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# A NEW
# ENGLISH DICTIONARY
ON HISTORICAL PRINCIPLES;

FOUNDED MAINLY ON THE MATERIALS COLLECTED BY

The Philological Society.

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THE MAATSCH. NEDERL. LETTERKUNDE, LEIDEN, AND THE AMERICAN PHILOSOPHICAL SOCIETY.

WITH THE ASSISTANCE OF MANY SCHOLARS AND MEN OF SCIENCE

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LIBRARY OF THE BOMBAY BRANCH OF THE ROYAL ASIATIC SOCIETY

VOLUME VIII. Q—SH.
PART II. S—SH.

By **HENRY BRADLEY,**

HON. M.A. OXON.; PH.D. HEIDELBERG; D.LITT. DURHAM; LITT.D. SHEFFIELD;
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PREFACE TO VOLUME VIII.

THIS volume contains the words beginning with Q R edited by W. A. Craigie, and S down to the end of SH edited by Henry Bradley. For observations on the etymological and other characteristics of the words included, and for detailed statistics of the numbers of words of various classes, and of the numbers of quotations, the reader is referred to the separate prefaces to Q R and S–SH. The following summary of the figures there given may be found convenient:

	Main words.	Subordinate words.	Special Combinations.	Obvious Combinations.	Total No. of Words.	No. of Quotations.
Q (80 pages)	1633	423	265	408	2729	9480
R (936 ,,)	10,434	3579	1273	2546	17,832	110,269
S–Sh (800 ,,)	9431	4192	3470	3551	20,644	94,497
Total	21,498	8194	5008	6505	41,205	214,246

The 21,498 Main words are distinguished approximately as follows:

	Current.	Obsolete.	Alien.	Total.
Q	1188	389	56	1633
R	7701	2475	258	10,434
S–Sh	7283	1671	477	9431
	16,172	4535	791	21,498

For the letters Q–SH the comparative scale of this work and of certain other Dictionaries is shown as follows:

	Johnson.	Cassell's 'Encyclopædic'.	'Century' Dict.	Funk's 'Standard'.	Here.
Words recorded	3715	18,308	21,044	19,880	41,205
Words illustrated by quotations	2959	6427	7476	1899	35,726
Number of illustrative quotations	1[illegible]523	10,123	21,921	2646	214,246

The quotations in Richardson's Dictionary in Q–SH are 10,228.

The aggregate numbers for the first eight volumes of the Dictionary (A–SH) are:

Main words.	Subordinate words.	Special Combinations.	Obvious Combinations.	Total words.	Illustrative quotations.
182,017	48,634	35,147	40,324	306,122	1,298,136

Of the 182,017 Main words 162,306 are current, 15,732 obsolete, 3,979 alien.

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B , -,>?@2 -A+ A A. +B@ -CD C-? +B@ E@. AA A. - ! +- +B@ @AD - WB2 A ,>D@ <2=L; 3 A -CD 2 L2=QN %-?E A + -A @SJ, A@D >AD@C +B@ @2 AD =2 < !>E-CD A +@ @A+C @ A ,, ;Q2N<L B@ -E -> -?E A + -A 2 ,,> +C +@D EG I>-+ + -A E>+ A-+ C@I> C A. @SJ, A + -A2 A>?E@C L2PP) ?-C@2 ? U A. +-+ , - LN2M== # +B@ 3 A -CD 2 ;2MQ; ? ? CU@D +) -E -,@+@2 AD =QQ C@ ? CU@D , @A -C A-+ >,,G A +>C , X@D

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B@ C+ ,@ -A +B@ @CE 2 ,, B@ -E @C @D2 EG C +B@ ,-A.@ + A +B@ / + -A CG B D>@ A J C+ +- +B@ ?>,+ +>D@ - @A) AD D -? + > @ - +B@ ?J,@ @CE2 AD A J C+ +- +B@ E>AD A @ - + S@D -?E A + -A +B D @CE 8 '(&) ( )*+(B B A , A.> .@ - ?-C@ GA+ @+ +C> +>C@ C@ C@JC@Y @A+@D EG -?J->AD @CE B@C@ C@ + @A+G + - - +B@ @ -?E A + -A 2 @ B - +B@? C+> ,,G @J C +@ -CD2 B B B >AD@C.-A@ A @S+@A @ @A @ D@ @,-J?@A+ - + - A)* 8+- I>I+@ +B@ @S+C@?@ @(B -C+G ->C D + A + @A @ 2 @ @C , - B B B @ >ED -A B@ -+B@C C+ ,@ C@ A-+ - @S+C -CD A CG ,@A.+B2 E>+ ? AG - +B@? 8@ . $* E AD E 2 E) AD E Z2 && E 2 & & E AD E (@SB E + @CG A-+@ -C+BG B A.@ AD C ? + -A - +B@ ?@ A A. - -CD B@ I>-+ + -A -C -CD , U@ , ', (, ' % ,(AD +B@ ? AG D@C + @ - +B@ + A ' 8 C-? ' $ +- ' - ' $!!"+ -A+ A ?> B ,,> +C Y + -A - +B@ B +-CG - A., B AD >C-J@ A +B->.B+ B@ C+ ,@ -A +B@ @CE $!! B - + .C@ + D@ , - , E->C2 +B@ -,,@ +@D ? +@C , @ G A D@I> +@2 AD B D +- E@ , C.@,G >JJ,@?@A+@D EG J@ , C@ @ C B ?J@C @ + +B@ C+ ,@ ?> + A@ @ C ,G E@2 + B-J@D +B + + ,, E@ - @C @ A-+ -A,G A +BC- A. , .B+ -A +B@ JC- @ EG B B +B@ ?-D@CA > @ - +B@ >S , CG B E@@A D@ @,-J@D2 E>+ , - .> D@ +- +B@ JC@ @ A+@CJC@+ + -A - ? AG J .@ A @ C, @C C +@C

B@ B-,@ - +B@ ! ? +@C , -,,@ +@D >J +- +B + + ?@ >E @D +@D A EG +B@ , +@ 3 C & 7 : -E B@ J-C+ -A D- A +- $' ," C@ ! I E@D +@D2 AD +B@ A@ ? +@C , A -CJ-C +@D2 EG 3 C : OC- A2 3 2 9@AD ,2 A ;<NL P2 AD +B + C-? $' , ." ? , C,G C@ >E@D +@D EG +B@ 3 C : O C+,@++2 O 2 A ;<NO M

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+B@ ? AG C @AD B- C@AD@C@D ,> E,@ + A @ AD D @ A +B@ +C@ +?@A+ - +B@ @ C, @C -CD A !2 @ @C , C@ A- ,-A.@C , A. / C 5>CA ,, AD &C- @ -C !U@ +2 B- @ -A + A+ B@,J B E@@A UA- ,@D.@D A +B@ JC!! @ +- @ @CG -,>?@ - +B@ / + -A CG2 , @D +- @@ +B@ J>E, + -A - -?@ - +B@ @ + -A - +B B , -,>?@ #+B@C B@,J@C B- B @ E@@A C@?- @D EG D@ +B A @ +B@ >@ - ! E@. A C@ 3 C % , AD2 7 .@A A.@A2 " -,, AD 3 C : ,), ++2 :C AD &C- @ -C 3 -C ,, AD $-E A -A ,6 2 #S -CD ?-A. +B- @ + ,, , A. +- B-? +B AU C@ D>@ -C A -C? + -A -A J C+ >, C J- A+ C@ &C- @ -C O>,,- U2 %, +-A2 ,, -++2 5 C+B2 ->DG2 - @2 3 C.-, ->+B2 J @C2 AD ! C 7 ,+@C & CC ++2 / 3> 2 #* -CD / C A.C ? OG +@C 3 C : OC D.@ 2 @ +>C@C A O>C?@ @2 AD @>+ %-, $ AU A.2 @ +>C@C A &@C A2 #S -CD O-D,@G' EC C A / C2 %- ,@G2 O-D,@ A EC CG / -A 3 D@ [7 UC@? ,A.B@2 3 2 AD A A + +>+@2

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LIST OF ABBREVIATIONS, SIGNS, &c.

a. [in Etymol.] = adoption of, adopted from.
a (as *a* 1300) = *ante*, before.
a., *adj.*, adj = adjective.
absol., absol. = absolutely.
abst. = abstract.
acc. = accusative.
ad. [in Etymol.] = adaptation of.
adv., adv. = adverb.
advb. = adverbial, -ly.
AF., AFr. = Anglo-French.
Anat. = in Anatomy.
Antiq. = in Antiquities.
aphet. = aphetic, aphetized.
app. = apparently.
Arab. = Arabic.
Arch. = in Architecture.
arch. = archaic.
Archæol. = in Archæology.
assoc. = association.
Astr. = in Astronomy.
Astrol. = in Astrology.
attrib. = attributive, -ly.
bef. = before.
Biol. = in Biology.
Boh. = Bohemian.
Bot. = in Botany.
Build. = in Building.
c (as *c* 1300) = *circa*, about.
c. (as 13th c.) = century.
Cat. = Catalan.
catachr. = catachrestically.
Cf., cf. = *confer*, compare.
Chem. = in Chemistry.
cl. L. = classical Latin.
cogn. w. = cognate with.
collect. = collective, -ly.
colloq. = colloquially.
comb. = combined, -ing.
Comb. = Combinations.
Comm. = in commercial usage.
comp. = compound, composition.
compl. = complement.
Conch. = in Conchology
concr. = concretely.
conj. = conjunction.
cons. = consonant.
Const., *Const.* = Construction, construed with.
Cryst. = in Crystallography.
(D.) = in Davies (Supp. Eng. Glossary).
Da. = Danish.
dat. = dative.
def. = definite.
deriv. = derivative, -ation.
dial., *dial.* = dialect, -al.
Dict. = Dictionary.
dim. = diminutive.
Du. = Dutch.
Eccl. = in ecclesiastical usage.
ellipt. = elliptical, -ly.
e. midl. = east midland (dialect).
Eng. = English.
Ent. = in Entomology.
erron. = erroneous, -ly.
esp., esp. = especially.
etym. = etymology.
euphem. = euphemistically.
exc. = except.
f. [in Etymol.] = formed on.
f. (in subordinate entries) = form of.
fem. (*rarely* f.) = feminine.
fig. = figurative, -ly.
F., Fr. = French.
freq. = frequently.
Fris. = Frisian.
G., Ger. = German.
Gael. = Gaelic.
gen. = genitive.
gen. = general, -ly.
gen. sign. = general signification.
Geol. = in Geology.
Geom. = in Geometry.
Goth. = Gothic (= Mœso-Gothic).
Gr. = Greek.
Gram. = in Grammar.
Heb. = Hebrew.
Her. = in Heraldry.
Herb. = with herbalists.
Hort. = in Horticulture.
imp. = Imperative.
impers. = impersonal.
impf. = imperfect.
ind. = Indicative.
indef. = indefinite.
inf. = Infinitive.
infl. = influenced.
int. = interjection.
intr. = intransitive.
It. = Italian.
J., (J.) = Johnson (quotation from).
(Jam.) = in Jamieson, Scottish Dict.
(Jod.) = Jodrell (quoted from).
L. = Latin.
(L.) (in quotations) = Latham's edn. of Todd's [Johnson.
lang. = language.
LG. = Low German.
lit. = literal, -ly.
Lith. = Lithuanian.
LXX. = Septuagint.
Mal. = Malay.
masc. (*rarely* m.) = masculine.
Math. = in Mathematics.
ME. = Middle English.
Med. = in Medicine.
med.L. = mediæval Latin.
Mech. = in Mechanics.
Metaph. = in Metaphysics.
MHG. = Middle High German.
midl. = midland (dialect).
Mil. = in military usage.
Min. = in Mineralogy.
mod. = modern.
Mus. = in Music.
(N.) = Nares (quoted from).
n. of action = noun of action.
n. of agent = noun of agent.
Nat. Hist. = in Natural History.
Naut. = in nautical language.
neut. (*rarely* n.) = neuter.
NF., NFr. = Northern French.
N. O. = Natural Order.
nom. = nominative.
north. = northern (dialect).
N. T. = New Testament.
Numism. = in Numismatics.
obj. = object.
Obs., *obs.*, obs. = obsolete.
occas. = occasional, -ly.
OE. = Old English (= Anglo-Saxon).
OF., OFr. = Old French.
OFris. = Old Frisian.
OHG. = Old High German.
OIr. = Old Irish.
ON. = Old Norse (Old Icelandic).
ONF. = Old Northern French.
Opt. = in Optics.
Ornith. = in Ornithology.
OS. = Old Saxon.
OSl. = Old Slavonic.
O. T. = Old Testament.
OTeut. = Original Teutonic.
orig. = original, -ly.
Palæont. = in Palæontology.
pa. pple. = passive or past participle.
pass. = passive, -ly.
pa. t. = past tense.
Path. = in Pathology.
perh. = perhaps.
Pers. = Persian.
pers. = person, -al.
pf. = perfect.
Pg. = Portuguese.
Philol. = in Philology.
phonet. = phonetic, -ally.
phr. = phrase.
Phren. = in Phrenology.
Phys. = in Physiology.
pl., *pl.* = plural.
poet. = poetic.
pop. = popular, -ly.
ppl. a., ppl. adj. = participial adjective.
pple. = participle.
Pr. = Provençal.
prec. = preceding (word or article).
pref. = prefix.
prep. = preposition.
pres. = present.
Prim. sign. = Primary signification.
priv. = privative.
prob. = probably.
pron. = pronoun.
pronunc. = pronunciation.
prop. = properly.
Pros. = in Prosody.
pr. pple. = present participle.
Psych. = in Psychology.
q.v. = *quod vide*, which see.
(R.) = in Richardson's Dict.
R. C. Ch. = Roman Catholic Church.
refash. = refashioned, -ing.
refl., refl. = reflexive.
reg. = regular.
repr. = representative, representing.
Rhet. = in Rhetoric.
Rom. = Romanic, Romance.
sb., *sb.* = substantive.
Sc. = Scotch.
sc. = *scilicet*, understand or supply.
sing. = singular.
Skr. = Sanskrit.
Slav. = Slavonic.
Sp. = Spanish.
sp. = spelling.
spec. = specifically.
subj. = subject, subjunctive.
subord: cl. = subordinate clause.
subseq. = subsequently.
subst. = substantively.
suff. = suffix.
superl. = superlative.
Surg. = in Surgery.
Sw. = Swedish.
s.w. = south western (dialect).
T. (T.) = in Todd's Johnson.
techn. = technical, -ly.
Theol. = in Theology.
tr. = translation of.
trans. = transitive.
transf. = transferred sense.
Trig. = in Trigonometry.
Typog. = in Typography.
ult. = ultimate, -ly.
unkn. = unknown.
U.S. = United States.
v., vb. = verb.
v. str., or *w.* = verb strong, or weak.
vbl. sb. = verbal substantive.
var. = variant of.
wd. = word.
WGer. = West Germanic.
w.midl. = west midland (dialect).
WS. = West Saxon.
(Y.) = in Col. Yule's Glossary.
Zool. = in Zoology.

Before a word or sense.
† = obsolete.
‖ = not naturalized.

In the quotations.
* sometimes points out the word illustrated.

In the list of Forms.
1 = before 1100.
2 = 12th c. (1100 to 1200).
3 = 13th c. (1200 to 1300).
5-7 = 15th to 17th century. (See General Explanations, Vol. I, p. xx.)

In the Etymol.
* indicates a word or form not actually found, but of which the existence is inferred.
:— = extant representative, or regular phonetic descendant of.

The printing of a word in Small Capitals indicates that further information will be found under the word so referred to.

S.

S (es), the nineteenth letter of the English and other modern alphabets, and the eighteenth of the ancient Roman alphabet, derives its form (through the ϟ and Σ, Ʒ of early Latin and Greek inscriptions) from the Phœnician W (Hebrew ש *shīn*), which represented a voiceless sibilant: in some of the Semitic langs. (s), in others (ʃ). (Each of these phonetic symbols is intended to represent a class of sounds the articulatory positions of which vary considerably; the difference between the two classes is acoustically very recognizable, but the nature of the essential difference in formation is still obscure.) In ancient Greek and Latin the value of the letter is believed to have been always (s). In late L. *s* between vowels was in most instances pronounced (z), a sound which was not separately represented in the Latin alphabet. Hence when the Roman letters were adopted in OE., the letter S was used to represent both the unaltered Germanic (s), and the (z) which had been developed from that sound in certain positions.

In OE. *s* was pronounced (s) initially and finally, and medially when it was either contiguous with a voiceless consonant or began the second element of a compound; medially between voiced sounds it was pronounced (z). The southern dialect had in ME., and possibly in late OE., the peculiarity of voicing the initial *s* (in native words) as well as the initial *f* and *þ*. This phonetic habit extended to Kent as late as 1340, as is shown by spellings like *zenne* (OE. *synn*, sin) in the *Ayenbite of Inwyt*; it is now confined to the south-western dialects.

In mod. English the general rule is that *s* is pronounced (s) at the beginning of a word or of the second element of a compound, and when doubled or in contact with a voiceless consonant. Between vowels, and when phonetically final, a single *s* is mostly (z). But there are many anomalies and uncertainties, especially in classical derivatives: cf., e.g., *absurd* (ǣbsɜ̄·ɹd), *observe* (ǒbz-); with regard to some words usage is divided, as in *absolve* (ǣbs-, ǣbz-), and the words in *-ive*, e.g. *effusive*, *evasive*. Even *ss* is in some words sounded (z), as in *dissolve* (against *dissent*, *dissect*, etc.), *dessert*, *possess*.

The phonetic combinations (sy), (zy), when rapidly pronounced, are very similar in acoustic effect to the simple consonants (ʃ), (ʒ), the position of the tongue for these being intermediate between the positions for (s) or (z) and (y). Hence in some words where earlier Eng. had (sy) or (zy), written either as *s* (before diphthongal *u*) or as *si*, the modern language has (ʃ) or (ʒ), so that the letter has acquired these two new values. Examples are *sure*, *sugar*, *censure*, *mission* (mi·ʃən), *Asia* (ē¹·ʃă), *treasure* (-ʒŭɹ, -ʒəɹ), *evasion* (-ʒən). In some varieties of vulgar speech this tendency is carried much further, as in the pronunciations (ʃū), (prĭʒū·m) for *sue*, *presume*.

S is silent in a few words adopted from Old French, as in *aisle*, *isle* (hence also pseudo-etymologically in *island*); in the Law French *mesne*, *demesne*, a silent *s* was inserted by false analogy.

1. The letter and its sound.

c **1000** Ælfric *Gram.* ii. (Z.) 6 *Semivocales* syndon seofan: *f, l, m, n, r, s, x.* *c* **1460** *Pol. Rel. & L. Poems* 2 An S. for Salisbery, without any avision. **1709** Steele *Tatler* No. 77 ¶ 1 Some [lispers] never uttered the letter H; and others had as mortal an Aversion for S. **1842** *Gentl. Mag.* May 480/2 The letter S was the device of Henry of Lancaster.

2. The shape of the letter; an object having this shape.

1426 Lydg. *De Guil. Pilgr.* 17952 Every .s. y-crokyd is, lyche a crose highe in the top. **1614** B. Jonson *Barth. Fair* II. ii, I doe water the ground in knots, as I goe like a great Garden-pot, you may follow me by the S. S.^{s}· I make. **1688** R. Holme *Armoury* III. xvi. (Roxb.) 58/1 The seuerall parts of a Viol...The S'es of the belly or round holes. **1894** *Outing* (U. S.) XXIII. 407/1 Make an S of wire, sharpened at one end. **1898** Haweis *Old Violins* 77 One 'ʃ' is a shade lower than the other, a practice so common with Strad.. that it must have been intentional. **1899** *Blackw. Mag.* 331/2 Round the great S the river made She battled her blind way.

b. *Collar of S, S's, SS.*, or *Esses*: see Collar *sb.* 3 c.

c. *attrib.* and *Comb.*, as *S-necked*, *-shaped* adjs.; *S-curve*, *-hook*, *-perforation*, *-piece*.

1839 *Civil Eng. & Arch. Jrnl.* II. 139/1 He is compelled to connect by a *S curve. **1844** *Ibid.* VII. 152/1 An *S hook of iron must be fitted into the eye of the valve. **1896** *Royal Nat. Hist.* V. 89 The foregoing assemblage of *S-necked or Cryptodiran tortoises. **1851** D. Wilson *Prehist. Ann.* (1863) I. II. iv. 391 Produce the appearance of an *S or Ogee perforation. **1891** Kipling *Light that Failed* viii, Uncouth brick and zinc mysteries supported by iron stanchions and clamped by *S-pieces. **1837** Kirby *Richardson's Fauna Bor.-Amer.* IV. 8 The third becoming a broken or *S-shaped band.

3. Used like the other letters of the alphabet to denote serial order; applied e.g. to the nineteenth (or more usually the eighteenth, either I or J being omitted) group or section in classification, to the eighteenth sheet of a book or quire of a MS., etc.

4. Abbreviations. **a.** S. = various proper names, as Samuel, Sarah, etc.; = Saint; so SS. = Saints; † = Sir (prefixed to the name of a knight or a priest); = Society (L. *societas*), as in F.R.S., Fellow of the Royal Society, F.S.A., Fellow of the Society of Antiquaries, S.P.G., Society for the Propagation of the Gospel, etc.; *Mus.* = Solo; *Chem.* = Sulphur; *Anat.* and *Zool.* = sacral (vertebra); *Her.* (also *l.c.*) = Sable; = snow (in ship's log-book). S. B. = smooth bore (gun). S. M. = Silver Medallist (in shooting competition). S.S. = Steam ship.

a **1400** *Wyclif's Bible* IV. 690 S. Lucie virgyn. **1535** Joye *Apol. Tindale* (Arb.) 4 His felowe called Hijpinus pastour of .s. nicholas parisshe in Hambourg. **1549** Latimer *6th Serm. bef. Edw. VI* (Arb.) 166, I am goynge to S. Tomas of Acres to the sermon. **1591** Harington *Orl. Fur., Apol. Poetrie* ¶ vij b, If S. Philip Sidney had counted this a fault. **1628** Sir J. Campbell in *Thanes of Cawdor* (Spalding Cl.) 271, I rest, your loueing father S. J. Campbell of Calder. **1648** Herrick *Hesper.* 172 (*title*), To his Valentine, on S. Valentines day. **1724** *Explic. Foreign Words Mus.* 66 The letter *S* is used as an Abbreviation of the Word Solo. **1828–40** Berry *Encycl. Herald.* I, *S.* This letter..signifies sable, or black. **1885** *Daily News* 12 May 5/1 The Society for the Propagation of the Gospel, familiarly known as the S. P. G. **1899** *Ibid.* 21 July 11/1 Who..was to have the honour of figuring in future records, with the letters 'S. M.' attached to his name. **1903** Sir M. G. Gerard *Leaves fr. Diaries* iv. 104 In 1870 our armament was still the old 12-pr. S. B. gun and 24-pr. howitzer.

b. S. = South; also S.E., SE., South-east, etc. Also † S.S. = South Sea (Company).

1708 *Lond. Gaz.* No. 4418/3 The Wind was, this Morning ..at 10, at S. and S. S. E. **1720** De Foe *Capt. Singleton* xvi. (1840) 273 After that it blew..S. W. by S. then S. W. by W. **1768** *Ann. Reg.* 178 Transferring 50*l.* new S. S. annuities,..at the S. S. house, as if it had been his own. **1840** Marryat *Olla Podr.* III. 10 [The wind] is S. W. and by W. ¾ W. **1884** H. A. Moriarty in *Encycl. Brit.* XVII. 277/1 A point of destination bore W. S. W. 10 miles; a current ran S. E. by S. 4 miles an hour.

c. s. = L. *solidus* and so used for shilling(s; † = Scilicet; = second (of time).

1387 *E. E. Wills* (1882) 1 Also y be-quethe genet my dowter xl. s. *a* **1450** Myrc *Festial* lxxiv. 300 Ther was a man on a time þat lant to anothur man iiii s of money to an certeyn day. **1540** Palsgr. *Acolastus* Prol. B iij b, Suche as opteyne vyctory (.s. in some great enterpryse). *a* **1548** Hall *Chron., Hen. VIII* 241 b, A Subsedy, of twoo .s. of landes. **1579** E. K. *Gloss. Spenser's Sheph. Cal.* July 33 Lurdanes s. Lord Danes. **1664** Pepys *Diary* 4 July, My wife..have lain out 25s. upon a pair of pendantes for her eares. **1702** De Foe *Shortest Way w. Dissenters* 21 To talk of 5*s.* a Month for not coming to the Sacrament, and 1*s.* per Week for not coming to Church, this is such a way of converting People as never was known. **1848** Thackeray *Van. Fair* xxxviii, The best coals at — *s.* per chaldron. **1884** H. A. Moriarty in *Encycl. Brit.* XVII. 274/1 The chronometer showed 9^h 43^m 15^s·5 as a mean. **1884** F. J. Britten *Watch & Clockm.* 24 It [*sc.* a watch] is found to have lost 8 s.

'S, a euphemistic shortening of *God's* in certain oaths (now *Obs.* or *arch.*); written continuously with the following word, as in 'Sblood, 'Sdeath, 'Sfax, 'Slife, etc.

s', a colloquial shortening of *sal*, northern dialect form of Shall *v.* when occurring in unstressed positions. Written continuously with the preceding noun or pronoun, usually in the incorrect form **'s**.

's, representing a shortened pronunciation of various monosyllables when unstressed. (Written continuously with the preceding word.)

1. = *is*: see Be *v.* Now only *colloq.* and *poet.*

1584 Lyly *Sappho* III. ii. 75 Whats he so swaggers in the Van? O! thats a roring Englishman. **1611** Beaum. & Fl. *Philaster* I. i, But I'le suppress him, he's a factious spirit. **1699** Dampier *Voy.* (1729) II. I. 19 In some Places there's very strong Clay. **1741** Richardson *Pamela* II. 356 The Devil's in't if we are not agreed in so clear a case. **1821** Byron *Sardan.* III. i. 401 Again the love-fit's on him.

2. = *has*: see Have *v.* *colloq.*

a **1845** Hood *Parental Ode* 38 He's got a knife!

3. = Us *pron.* Now *dial.* exc. in *let's* = let us (*colloq.*).

1588 Shaks. *L. L. L.* v. ii. 228 If you desire to dance, let's hold more chat. **1634** Milton *Comus* 599 But com let's on. **1662** Cokaine *Trag. Ovid* v. v, Let us go home, send for a Priest of Hymens, And presently each Couple on's be married. **1741** Richardson *Pamela* II. 300 But come, I must love him! Let's find him out. **1893** Crockett *Stickit Minister* 100 What'll ye gie's?

4. = His *poss. pron.*, q.v. *Obs.* exc. *dial.*

5. = As. *Sc.* and *north. dial.*

1718 Ramsay *Christ's Kirk* III. 49 I've done my best..As well's I may. **1786** Burns *To a Haggis* i, A grace As lang's my arm. **1861** Quinn *Heather Lintie* (1863) 85 Let us crack the news As soon's we greet.

-s, *suffix*, forming adverbs, was originally *-es*, identical with the suffix of the genitive singular of many neuter and masculine sbs. and adjs. Several of the adverbs in *-es* that existed in OE. are genitives either of sbs. (neut. or masc.) as *dæges* by day, *nédes* Needs, *þances* voluntarily, or of neuter adjs., as *sóðes* truly; on the analogy of these, *-es* was added, with adv.-forming function, to feminine nouns, as in *nihtes* by night, *endebyrdes* in order. OE. had also advs. compounded of *tó* prep. and a genitive governed by it, as *tó-gegnes* (see To-gains), *tó-middes* (see To-mids); side by side with these there existed parallel and synonymous advs. like *on-gegn* Again, *on-middan* Amid, in which the dat. or accus. was governed by a prep. Hence there arose in early ME. mixed forms such as *aȝeines*, *amiddes*; and the frequent coexistence of the two forms of the same adv., one with and the other without *s*, led to the addition of *s* to many advs. as a sign of their function. In some instances the extended form prevailed, as in *eftsoons*; in others it survived only in dialects, as in *oftens*, *gaylies* (Sc.). See also the articles -ling^2, -li(n)gs, -ward, -wards, -way, -ways.

In *once*, *twice*, *thrice*, *hence*, *since*, etc., the suffix is written differently. In Against, Alongst, Amongst, Amidst, and the dialectal *onst* (see Once), the original *-es*, *-s* has become *-st*.

Sa, obs. f. See *v.*, Soe *sb.*; obs. or dial. f. So.

Sa', obs. var. of Save *v.* in *God sa' me* and similar phrases.

1604 Dekker *Honest Wh.* A 4, Yet so god sa mee shees mine owne sister. *Ibid.* G 3 b, Thats all so god sa me, I thirst after. **1668** Shadwell *Sullen Lovers* IV. 61 As Gad shall sa'me, she is a very ingenious Woman. **1819** Scott *Ivanhoe* xxxiv, Friend Isaac, will you pleasure us in this matter, and our day shall be truly kept, so God sa' me?

Sa. *Her.* Abbreviation of Sable *sb.*^{2}

1780 Edmondson *Heraldry* I. *Arms Abbies* etc., Augustine's [St.] Monastery, Canterbury. Sa. a cross ar. **1828–40** Berry *Encycl. Herald.* II, *Abberbury*..or, a fesse embattled sa. **1871** Burke *Peerage*, etc. 195/2 Sa., a naked man, ppr.

Saa(e, Saac(ke, obs. ff. Soe, Sake.

Saad(e, obs. forms of Sad; pa. t. of Say *v.*, q.v.

Saaf(e, saaff, obs. ff. Safe and Save *prep.*

Saage, Saake, obs. f. Sage *a.*, Sack *sb.*

Saald, obs. pa. t. of Sell *v.*

Saale, Saand, obs. ff. Sale *sb.*, Sand *sb.*

Saap(pe, obs. forms of Sap *sb.*

Saar, Saara, obs. forms of Sore *adv.*, Sahara.

Saarce, -cyn, obs. forms of Searce, -cing.

Saat(e, obs. forms of pa. t. of Sit *v.*

† **Sab.** *Her.* *Obs.* Abbreviation of Sable *sb.*^{2}

1660 M. Carter *Honor rediv.* 249 Bernards Inne Beareth party per pale indented Ermin and Sab. a Cheveron Gul. fretty.

Sab, obs. form of Sahib.

Sabadilla (sæbădi·lă). [a. Sp. *cebadilla*, dim. of *cebada* barley.] = Cevadilla. Also *attrib.*

1812 J. Smyth *Pract. of Customs* (1821) 208 Sabadilla seed, Indian Caustic Barley, very useful in Medicine. **1836** J. M. Gully *Magendie's Formul.* (ed. 2) 71 Boil the seeds of the sabadilla with alcohol. **1876** Duhring *Dis. Skin* 596 Powdered sabadilla..may be sprinkled throughout the hair with good result.

Hence **Sabadi·llia, Sabadi·lline**, *Chem.*, an alkaloid obtained from sabadilla seeds.

1836 J. M. Gully *Magendie's Formul.* (ed. 2) 70 M. Couerbe ..has severally named them [*i. e.* the principles in sabadilla] sabadillline, veratrin [etc.]. **1857** Miller *Elem. Chem.* (1892) III. 503 Three other poisonous bases, sabadillia, colchinia, and jervia, are found, along with veratria, in the *Veratrum album*. **1887** A. M. Brown *Anim. Alkaloids* 29 Anemonine, pelti-erine, sabadilline.

Sabæan, Sabean (sæbī·ăn), *a.* and *sb.* [f. L. *Sabæ-us*, Gr. Σαβαῖ-ος (f. *Saba*, Σάβα, Arabic سبا *Saba'* = Heb. שְׁבָא *Shᵉbā*, the ancient name of the

! ' #5' 00$ # !2' ! !2' \

'^A' +G?-,a' ' cf' D-J+ -A' - 2' D-J+@D' C-?
b8 ' ';LNN(' f' $' (E@ -C@
$0($ B0(D* ' f' D*@ + @
$1 &!(E -, ' f' E -,>+@,G
E + ' f' E +C +
' f' > + @
D'^A' +G?-,a ' f' D J+ + -A' -
$ 0(D ' f' D @CE
D E f' D @CE ,2' ,G
5 2' 5C ' f' A.,- 5C@A B
'$ ' f' A' A +-?G
' D ' A' A+ I>+@
JB@+ ')' JB@+ 2' JB@+ X@D
JJ ']' JJ C@A+,G
C E ' C E
, ' f' A' C B +@ +>C@
$, ' f' C B
, $&!0 ' ' A' C B@-,-.G
- ' f' - + -A
0' ' f' A' +C-A-?G
$!' ' f' A' +C-,-.G
$! 1 ' f' ++C E>+ @2' ,G
E@ ' f' E@ -C@
? &!') f' A'0 -,-.G
0-B ' f' 0-B@? A
?& x0 ' f' A'0-+ AG
?) ! 0 '' f' A'0> ,D A.
C'8 'C';LNN(' ' f' E->+
'8 ';L+B' (' f' @A+>CG
% + ' f' % + , A
,$ $, ' f' + BC@ + ,,G
% 2' ' ' ,&'% (-?J C@
. ' ']' A'%B@? +CG
,' ' d' , ,' + A
-.A' ' f' -.A +@' +B
,&!! , ' f' -,,@ + @2' ,G
,&!!&D0 ' f' -,,- I> ,,G
-?E ' d' -?E A@D2' A.
&-1 ' f' %-?E A + -A
&- - ' f' A' -??@C ,'> .@
-?J ' f' -?J->AD2' -?J- + -A
-?J, ' f' -?J,@?@A+
&', ' f' A'%-A B-,-.G
&'& 0 ' ' -A C@+@,G
,&'B0' ' f' -A*>A + -A
-A ' f' -A -A A+
%-A + 2' &' 0' 000' f %-A +C> + -A2' -A +C>@D +B
" ' f' A'%CG + ,,-.C JBG
8/ (' ' f' A' & @ ' 8!>JJ' A. ,- CG(
/ ' / A B
D + ' ' f' D + @
D @ + ' f' D@ A +@
D@C ' f'D@C + @2' + -A
D , 2' $!0' ' f'D ,@ +2' ,
/ @+ ' f'/ + -A CG
D ? ' f'D ? A>+ @
/> ' f' />+ B
,,!0' ']' A'@ ,@ + ,'> .@
!! % 0' ' f'@,, J+ ,2 ,G
@' ? D ' f'@ +' ? D, AD' 8D ,@ +(
A. ' f' A., B
' 0' ' f' A' A+-?-,-.G
@CC-A ' f' @CC-A@->2' ,G
*0(@ J ' f' @ J@ ,,G
E+G? 0 I' @+G?-,-.G
)* - @>JB@? + ,,G
@S ' f'@S @J+
'^A' +G?-,a' ' f' -C?@D' -A
' 8A' >E-CD A +@
@A+C @ (' ' f' -C?' -
@CA2' = $!"' (' ' f' @? A A@
B 0' ' f' .>C + @2' ,G
5 2' 5C ' f' 5C@A B
C@I ' f' C@I>@A+,G
5C ' f' 5C A
2' @C ' f' @C? A
@,' ' f' @,

.@A ' ' .@A + @
' ' f' .@A@C ,2' ,G
'0' ' ' f' .@A@C ,' .A + -A
< &! ' f' A' @-,-.G
< &- ' A' @-?@+CG
-+B ' f' -+B '8'f' 3-@ - -+B (
C ' f' C@@U
< $- ' f' A' C ??C
"@E ' f' "@EC@
0' ' f' A' "@C ,DCG
1 ' ' +B' B@CE , +
& ' f' A' "-C+ >,+>C@
-* ' f' ?J@C + @
-* ' f' ?J@C -A ,
?J ' ' d' ?J@C @ +
' 0 ' f' AD + @
AD@ ' ' f' AD@ A +@
' %0 ' f' A A+ @
A , ' f' A ,>@A @D
' 0' ' f' A+@ *@ + -A
y' ' 0' ' f' A+C A + @
+ ' + , A
: 2' 8: (' ' f' :-BA -A'8I>-+ + -A' C-?(
8: ? (' f' A': ?@ -A2' ! -++ B' / @+
8:-D (' ' f' :-DC@,'8I>-+@D' C-C (
' f' +A
8 ('8A'I>-+ + -A (' f' +B ?'!'@DA' - ' -DD'
, A.' ' f', A.> .@' ' ^:-BA -A
' f%- ' @C? A
, + ' f', +@C ,2' ,G
+B ' ff +B> A A'
4 4 ' d' !@J+> . A+
3 ' 3 , G
? ' = $!"' ? (' f ? >, A@
$ ' f' A' 3 +B@? +
3 ']' 3 DD,@' A., B
& 0' ' ' A' 3@D A@
?@D ' Pf ?@D @ ,' + A
, ' k' A' 3@ B A
$* ' k A' 3@+ JBG
3 " ' 3 DD,@' " .B' @C? A
? D ' ' ? D, AD' 8D ,@ +(
!0' ' ' ' fb A'? , + CG'> .@2
' ' f' A' 3 A@C ,-.G
?- ' ' ?-D@?
) 0' 0 ' A' 3>
8 (' b' C@ '8I>-+@D' C-?(
A' - ' + -A ' A->A' - ' + -A
A' - ' .@A+ ' Vf A->A' - ' .@A+
$ 0' 0 ' f' A' +>C)' " +-CG
$) ' f' A'A >+ ,', A.> .@
A@>+' = $!"' A (' fP A@>+@C
5 2' 5C ' f' -C+B@CA' 5C@A B
' #' ' f' +>C ,' #CD@C'
A-? ' f' A-? A + @' '
A-C+B ' A-C+B@CA' 8D ,@ +(
' ' f @ ' @ + A @A+
) - - ' ' A' >? ? +
-E* ' f' -E*@ +
1 0(&1 0(-E ' ' f' -+@-,@+@
- ' b' - -A ,2' ,G'
$ ' ff #,D' A., B' 8 f' A.,- ! S-A(
#5 2' #5C ' f' #,D' 5C@A B
#5C ' ']' #,D' 5C A
" ' f0' #,D' " .B' @C? A
C ' f' #,D' C !
' f' #,D' -C @' 8#,D' @, AD (
5 ' f' #,D' -C+B@CA' 5C@A B
*0 ' f' A' #J+
' ']' A' #CA +B-,-.G
#! ' f' #,D' ! S-A
#!, ')' #,D' !, -A
#' ' f' #,D' @ + ?@A+
@>+ ' f' #C . A ,' @>+-A
-C.' ' f' -C . A ,2' ,G
C$! &' 0 ' f A' & , @-A+-,-.G
J 'JJ,@ ' f' J @'-C' J +' J C+ J,@
*$ ' f' J @2' ,G

J '+ ' f' J +'+@A @
C$ 0' ' ' ' f' A' & +B-,-.G
J@CB ' ff J@CB J
&@C ' f' &@C A
*$ 0' ' ff J@C -A2 ,
J' ' ' ' ' f' J@C @ +
&.' ' f &-C+>.>@ @
- !&!' ' f' A' &B ,-,-.(
JB-A@E' ' f' JB-A@+ 2 H
* 0 ' f' JBC @
C ' ' f' ?' &BC@A-,-.G
C " 0' ' ' ' f' A' &BG -,-.G2
J, 2 ' ' ' f' J,>C)
*& 0 ' f' J-@+
J-J' ' ' J-J>, C2' ,G
**!0' $0(JJ, ' D* ']' J C+ J ,' D*@ ,
JJ,@' ' f' J C+ J,@
&C' ' f' &C- @A !
JC@ ' ' JC@ @D A.'8 -CD' -C' C+ ,@(
* %0' ' f' JC@ S
* 0' ' ' ' f' JC@J- + -A
* ' ' JC@ @A+
C -(' ' ')' &C ? CG' .A + -A
JC ' ' ' f' JC + @
* .+(' ' JC-E E,G
* &' 2' bf JC-A->A
JC-A>A '' f' JC-A>A + -A
JC-J2' ' f' JC-J@C,G
C ('' fV , '&C- -DG
JC' JJ,@ ' f0' JC@ @A+' J C+ J,@
C " ' ' ?' & G B-,-.G
I ' ' f')& ' (B B
8$ (' ' A' $ B CD -A' ' / -,
$ ' %'%B' ' f' "-? A'% +B-, '%B>C
C@ B ' f' C@ B -A@D2' A.
B!0(C@ , ' ' f' C@ ,@S @
C@. 2 0' C)>, C
C@JC' ' f' C@JC@ @A+ + @2' C@JC@ @A+ A.
! ' f' A' $B@+-C
$-?' ' ' ' f' $-? A 2' $-? A @'
B 2 :2' jj ' ' ' d' AE + A+ @
! ' ' ' f' ! -+ B
']' C @ C2'>AD@C + AD'-C' >JJ,G
' 0' ' f' A.>, C
!UC ' ' ' f' ! A UC +
!, 2' ' f' !, -A 2
!J ' ' ' f' !J A B2
J ' ' ' f' J@,, A.
*,0 ' ' ' ' J@D C ,)
>E*' ' >E*@ +2' !>+.>A + @
)1& ,&!0' ' f' >E-CD A +@' , > @
>E @I' ' ' ' f' >E @I>@A+,G
>E + ']' >E + A+ @,G
> ' f' > S
>J@C, ' f' >J@C, + @
) 0' ' f' D' !>C.@CG
! ' ' f' ! @D B
!' 7 ' d' ->+B' @ +@CA' 8D ,@ +(
'8 (' ' ' ' f' A' -DD'' :-BA -A2
, ' ' ' ' f' +@ BA ,2' ,G
&! ' f' A' B@-,-.G
+C' ' f' +C A , + -A' -U
$' 0 ' f' +C A + @
$' %0' ' ' ' ' +C A @CC@D' @A @
' 0' ' ' d' A' C .-A-?@+CG2
"*& ' f' b' GJ-.+ G
>,+ ' ' f' >,+ ? +@2
>AUA ' f' >AUA- A)'
6' ! f' 6A +@D' !+ +@
A 2' E ' f' @CE
0' 0(-C' V' ' f' @CE' +C-A.2 -C' @ U
1!' 1 ' f' @CE ,' >E + A+ @
C ' f' C A+' -
D' ' ' ' f' -CD
7 @C' ' f' 7@ +' @C? A
? D, ' f' @ +' ? D, AD' 8D ,@ +(
7!' ' f' 7@ +' ! S-A
81 (' f A'%-,' 1>,@' ' ,- CG
N&&!' ' d' A' [--,-.G

0@ -C@' ' -CD' -C' @A @
HC' ! $
' A-+' A +AC , X@D
A' +B@' I>-+ + -A
T' -?@+ ?@ ' J- A+' '->+' +B@' -CD' ,,> +C +@D

A' +B@', +' - '5-C?
;' f' E@ -C@' --
0 f' ;0+B' ' F ' +-' ;ONN(
L' f' ;L+B' ' 8;ONN' +-' ;LNN('
P G' f' ;P+B' +-' ,G+B' @A+>CG2' 8!@@' @A@C ,' SJ, A
+-A 2' -,' 2' J' SS(

A' +B@' +G?-,
' AD +@' ' ' -CD' -C' -C?' A-+' +> ,,G' ->AD2' E>+'
-' B B' +B@' @S +@A @' ' A @CC@D
f' @S+ A+' C@JC@ @A+ + @2' -C' C@.>, C' JB-A@+ '
D@ @AD A+' -

) ' -+B@C' ? -D@CA' ,JB E@+ 2' AD' +B@' @ .B+@@A+B' - '
+B@' A @A+' $ - ? A' ,JB ,) +2' D@C @ ' + ' -C ?'
8+BC->.B' +B@') ' AD' I 2' W ' - '@ C,G' + A' AD' C@@U'
A C J+ -A (' C- ?' +B@' &B-@A A' 7 ' 8 " @EC@ ' @'
B B'C@JC@ @A+@D' - @,@ E , A+ ' A' - ?@'
- '+B@' ! @ ? + ' , A. ' 8 (2' A' -+B@C ' 8 : (' 8 B' - '
+B@ @' JB-A@+ ' G ? E-, ' ' A+@AD@D' +-' C@JC@ @A+' '
, ' - ' ->AD ' +B@' C+ >, +-CG' J- + -A ' - ' B B'
CG' -A D@C E,G ' +B@' D @C@A @' E@+ @@A' +B@' + -'
, @ ' ' -> + ,,G' @CG' C@ -.A X E,@2' E>+' +B@'
A +>C@' - ' +B@' @ @A+ ,' D @C@A @' A' -C ? + -A' '
+ ,,' -E >C@ (' A' A @A+' C@@U' AD' + A' +B@'
,>@'- '+B@',@++@C' 'E@, @ @D' +-'B @'E@@A' , G '8 ('
A', +@' ' ' E@+ @@A' - @, ' ' A' ? - +' A + A @ '
JC-A->A @D' 8X(2' ' ->AD' B B' 'A-+' @J C +@,G'
C@JC@ @A+@D' A' +B@' + A' ,JB E@+' "@A @' B@A'
+B@' $ - ? A',@++@C ' @C@' D-J+@D' A' # $ 2' +B@' ,@++@C'
! ' ' > @D' +-' C@JC@ @A+' E-+B' +B@' >A ,+@C@D' @CY
? A '8 (2' AD' +B@' 8X(' B B' B D' E@@A' D@ @,-J@D'
C- ?' +B +' ->AD' A' @C+ A' J- + -A
A' # ' ' ' JC-A->A @D' 8 (' A + ,,G' AD' A ,,G2'
AD' ? @D ,,G' B@A' +' ' @ +B@C' -A+ .>-> ' +B' '
- @,@ ' -A -A A+' -C' E@. A' +B@' @ -AD' @,@ ? @A+' - '
- ? J->AD ' ? @D ,,G'E@+ @@A' - @D' ->AD ' +' '
JC-A->A @D' 8X(' B@' ->+B@CA' D ,@ +' B D' A' 3 2'
AD' J- E,G' A', +@' # 2' +B@' J@ >, C +G' - ' - A.'
+B@' A + ,' ' 8 A' A + @' -CD (' ' @,,' ' +B@' A + ?'
A D ' B ' JB-A@+ ' B E +' @S+@AD@D' +-' 9 @A+' '
, +@' ' ;L=N2' ' ' B- A' EG' J@,, A. ' , U@' O ' ' '
8# ' " ' ' (' A(' A' +B@' " ' 1 '& %' ' 2 " : +' 'A- '
-A A@D' +-' +B@' ->+B @ +@CA' D ,@ +
A' ? -D ' A., B' +B@' .@A@C ,' C>,@' ' +B +' ' ' JC-Y
A->A @D' 8 (' +' +B@' E@. AA A.' - ' ' -CD' -C' - ' +B@'
@ -AD' @,@ ? @A+' - ' ' - ? J->AD2' AD' B@A' D->E,@D'
-C' A' -A+ +' +B' ' - @,@ ' -A -A A+' O@+ @@A'
- @, 2' AD' B@A' JB-A@+ ,,G' A ,2' ' A.,@' C' '
? - +,G8X(' O>+' +B@C@' C@' ? AG' A- ? , @ ADAA @C '
+ A+ @ 2' @ J@ ,,G' A' , ,' D@C + @ ' 2' @ . 2'
$1) ' %!P1 FB +(&1 & 4 1O3+:' +B' C@. CD' +- - ? @'
-CD ' > .@' ' D D@D2' ' A' $1 &! ' 8D)E 2 I EX (2'
AD' +B@' -CD ' A' 3 (' @ ' . ' %%) (' $ 0' @A'
' ' A' - ? @' -CD ' ->AD@D' 8X(2' ' A' &! '
8 . A +' ' (' , (' @+ (2' (' *& 0
B@' JB-A@+ ' - ? E A + -A ' 8 G(2' 8XG(2' B@A' C J D,G'
JC-A->A @D2' C@' @CG' ? , C' A' -> + ' @ @ +' +-'
+B@' ? J,@' -A -A A+ ' 8 : (2' 8L(2' +B@' J- + -A' - ' +B@'
+-A.>@' -C' +B@ @' E@ A.' A+@C ? @D +@' E@+ @@A' +B@'
J- + -A ' -C' 8 (' -C' 8X(' AD' 8G(' "@A @' A' - ? @'
-CD ' B@C@' @ C, @C' A. ' B D' 8 G(' -C' 8XG(2' C ++@A'
@ +B@C ' ' 8E@ -C@' D JB+B-A. ,b(' -C' ' (' +B@' ? -D@ ?'
, A.> .@' B ' 8 : (' -C' 8L(2' -' +B +' +B@' ,@++@C' B '
I > C@' +B@ @' + -'A@ ' ,>@ ' S ? J,@ ' C ') ('
) $ (' , ') (' - &' ' 8 ? ' -A(2' $' 8) * (2' $3'
) ' 8 *> 2' LN;(2' $ &' ' 8 LNN(' A' - ? @' C @+ @ '
- ' >,. C' J@@ B' +B ' +@AD@A G' ' CC @D' ? > B'
>C+B@C2' ' A' +B@' JC-A>A + -A ' 8: (2' 8JC L ? ('
-C') (' *) - 0
! ' E' ,@A+' A' ' @ ' -CD ' D-J+@D' C- ?' # ,D' 5C@A B2'
' A' $! (' 8B@A @' , -' J @>D- @+G ? -,-. ,,G'
A' !$ ' +(' ? +B @' ' 5C@A B' - ' (' - ' ('
,@A+' ' ' A @C+@D' EG' , @' A ,-.G
' B@' ,@++@C' AD' + ' ->AD

,' ,- -' H .3 ' < $ - 0' ' 8 [' - &,$! ' GAD-A' @- A' '
% (' (' - (' ' (' (' ('5 0' ,' ;=) N C&!0' 0' =' 0' C& - ' O' A' ! ' -C'
!, , E@CG2' +B->+' AG' -A ' $>+O' . ' $!! ' - ' QQ'
' ! - ? @' ^, J@C a' A@ @C' >++@C@D' +B@' ,@++@C' " ' AD' -+B@C '
B D' ' ? -C+ ,' A' @C -A' -C' ! ' ;K= ' < $!0' $ 0' 3 G'
=KN O' B@',@++@C' ! ' ' +B@' D@ @' - ' " @ACG' - ' A +@C
/ ' B@' B J@' - ' +B@',@++@C ' A' -E*@ +' B A.' +B '
B J@
+ !' 3) 7' '<) !!0' C ! 0' ;Q<PO' @CG' ' G C-UGD' 2'
,G B@)) C- @' B .B@) A' +B@' @ =' > 0' W$ ' ? $ 0' $

) ") 05 0' 8$-SE (' PK ;' B@' @>@C ,,' J C+ '
- ' ' -, B@' ! '@ ' - ' +B@' E@,,G -C' C->AD' B-,@ ' ;K<='
) $ 0' 0+' 4 4 ' =NQ ;' 3 U@' A' ! ' - ' C@2' B CJ@A@D'
+-A@' @AD' ;K<K' 8 ' ! ' &! ' QQ' #A@' ' B D@'
- @C' +B A' +B@' -+B@C2') ' JC + @' - ' - ? ? -A' +B' ! +C D '
+B +' +' ? > +' B @' E@@A' A+@A+ -A , ' OK<< ? !$, .2 0' $ 0 LL; '
$->AD' +B@' .C@ +' ! ' +B@' C @C' ? D@' ! B@' E ++,@D' B@C' E, ? D' G
E ' &!!$ ' & %' (' G (' 0(-C' X ' @@' . .
1 0' S' 0
@ ' $ 10' AD' & - 10(' ' 3' , (' 3 $* ' D* '
3,) (' 3 &&.(' 3* %%1 $ & ' (' 3* ' , 0
;KL<' !' ' 0' ' , 0' " ' 0' ' ' " @' ' - ? J@,,@D
- 2 '

* +' EG' ' !' >C @' ;K== ' 1 0' ' ;PO ;' A' !' B--U'
- ' C-A' ? > +' E@' ++@D' A+-' +B@' @G@' - ' +B@' , @' ;K<M' &"$!'
$ ' (' ' K< B@' -C@.- A.' @ ? E, .@' - ' ! A@ U@D' -C'
%CGJ+-D C A' +-C+- @ 2') ' / ' 9 . ' C (' ' ' 0 8;KML('
' ' L<;' &C-D> @' +B@' JJ@ C A @' - ' A' ! ' -C' # .@@' J@C '
-C + -A' $ I $' : 1 . 7' ' $ ' $! ' 2' +:A ->+B'
EC U' AD' X A ' ? G +@C @ ' >JJ-C+@D' EG' C-A' + A B -A ' AD'
, ? J@D' EG' ! J @ @ ' $ J>' : ' , $ &' > ' $) ' $'? & 03'
- (' ' K B@' +B CD' E@ - ? A.' 'EC-U@A' -C ! B J@D' E AD
' 6 @D' , U@' +B@' -+B@C' ,@++@C ' +B@' ,J) E@+' +-'
D@A-+@' @C ,' -CD@C' JJ, @D' @' . ' +-' +B@' A A@+@@A+B'
8-C' ? -C@' > > ,,G' +B@' @ .B+@@A+B2' @ +B@C' ' -C' :' E@ A.'
- ? ++@D(' .C->J' -C' @ + -A' A' , + -A2' +-' +B@'
@ .B+@@A+B' B@@' +' - ' ' E- -U' -C' I> C@' - ' ' 3 ! 2' @+
! ' EEC@ + -A 2' ' ! b' C -> ' JC-J@C' A ? @ 2'
' ! ? A@,2' ! C B2' @+ ' f ! A+' - ' ! ! ! A+ '
' ! C' 8JC@ S@D' +-' +B@' A ? @' - ' ' UA .B+' -C' ' JC @ +(
! - @+G' 8 ' &, $ + ' ' A' 5 $! 2' 5@,,- ' - ' +B@'
$ -G ,' ! - @+G2' 5 ! ' 2' 5@,,- ' - ' +B@! - @+G' - ' A+ Y
I> C @ 2 ! & 2' ! - @+G' -C' +B@' &C-J . + -A' - ' +B@'
- J@,2@+ ') (' I ' &H&:' - 0Y H5H* 05 :' ' $ (
05 $N&& ' ' C ,' 8 @C+@EC (' C28 , -) ( ] ! E,@'
' A- ' 8 A' B J' ' ,- . E- -U(' ! ' 0 ' f ' ? - -+B' E-C@'
8.>A(' ! ' 3 ' ' ! , @C' 3 @D ,, +' 8 A' B--+ A.' - ? Y
J@+ + -A(' ! ! ' ' ! +@ ?' B J
2 " , E %' ? 1! ' ' M<N ! ' > @' C.GA' $ / I ' # '
B !0' ' $! ' 8 CE (' =' " ' @,- @' ,,@D' " *J A> ' J +->C'
- ' ' A+ B-, ' J C B@' A' " ? E->C.' ' ;P=<' ' .

>& ' 5' A' +N2 +' E' &B , J' ! DA@G' B D' ->A+@D' +B ' ' >,+'
M K' ' ' 1 . ' A' $' ' 8 ' $2 & ' 8! J ,D A.'
%, (' OQ[2' ' C@ +2' G->C' ,->@ A.' +B@C' ! ' : ' % ? JE@,,' - '
8V,D@C' ' ' ' * (' ;Q ' 8 (2' -' B ' ,@AY
+ A@2' -A' ! ' ,@A+ A@ ' D G ' ;Q) 5* ,(' & *' &
) 0' MM B@' ,@++@C ' ' > @D' ' A' EEC@ + -A' - ' +B@'
7 -CD' ! -,- ' $I "&+' ' , " ,!0' $! 0' 2' 0' B ' ,@+Y
+@C' .A @' E,@2' -C' E, U' ;KKP' $!"' 2 ' ;# 3 G' P ;'
B@' ! - @+G' -C' +B@' &C-J . + -A' - ' +B@' - J@,2' ? , C,G'
UA- A' ' +B@' ! ' &' ' ;K<<' ' : >,G' 7 B- '
+-' B @' +B@' B-A->C' - ' ? C A.' A' >+>C@' C@ -CD 2' +B' +B@'
,@++@C ' ! ' 3 ' ' ++ B@D' +-' B 'A ? @' $O+J' ' 3 ' ' <)'
$ ' % 0' $ ' ' ;N=' A' ;KQN' ->C' C ? ? @A+' ' + ,,'
+B@' -,D' 4O JC' ! ' $' .>A' AD' O= JC' B- +X@C
E ' ! ' ' ! ->+B ' , -' ! \2' ! I 2' ! ->+B @ +2' @+ '
, -' + ' ! ' ! ' f ! ->+B' ! @ ') - ? J AG(
;QNK' &' 0' < $O0' - ' ==;K L' B@' 7 AD' 2' +B ' 3 -CA A.'
+' ;N2' +' ! ' AD' ! ' ' XG - ' ' - ' &* (' ! &'
S ' 8;K=N(' OQL' +@C' +B +' +' E,@ ' ! ' 7 ' EG' ! ' +B@A' ! ' 7 ' EG'
7 ' ;QMK' ' ' 0' ' ;QK' C A @CC A.' PN ' A@ ' ! ' ! ' AA> Y
+ @ 2 2' +' +B@' ! ' ! ' B-> @' ' +' B D' E@@A' B ' - A' ;K=N
= ' !!$' C& 0' " ' ;N ^ B@' ADa' ' ! ' 7 ' AD' EG'
7 ' * ' 7 2' Z ' ' 2' = ' A' ' , " ,!0' ? 0' 4 '
OQQ ;' ' J- A+' - ' D@ + A + -A' E-C@' 7 ' ! ' 7 ' ;N ? ,@ ' ' >CY
C@A+' JA' ! ' ! ' EG' ! ' = ' ? ,@ ' A' B->C
- ' ' f ' ' &!) ' AD' - ' > @D' -C' B ,, A.8
+ ' f ' . E' b' @ -AD' 8- ' + ? @(
;LKQ' 0' (' !! ' 8;KKO(' ' , -' G' E@ I>@+B@' .@A@+' ? G'
D- +@C' S6' ' $' ;=) ' = ' $!' SS ' LNN B@C' ' '
? A' -A' ' + ? @') +', A+' +-' A-+B>C' ? A' ' ' - ' ? -A@G' +-' A'
@C+@GA' D G' $/&+' 7 ' ,&!$) ' &C-, ' O' +' E2' !> B@'
' -J+@GA@' G +-CG' 8 ' A' - ? @' b @ +' @A+@CJCG @(' $';P)'
' . ' &' 0 ' ' 0' 6 ' O=;' E2c ' !>E @DG2' - ' + - - ' ' -

j j j j j j' j j j j j j j j OP ' >J-A' ' J C' - ' J@A j j j j j j j j j
@ C@ ' ;QNL' ' &' ' 6 '$" ' &0' ' ' O;' -'
+ ,U' - ' P) ' ' 3 -A+B' -C' A-+' - ? A.' +-' +B@' ! C ? @A+2' AD' B 0'
J@C' 7 @@U' -C' A-+' - ? A.' +-' %B>C B2' +B ' ' > B' ' G' -
-A @C+ A.' &@-J,@' ' A@ @C' ' UA- A' ' ,
! $' 0' $ 555' ' B@' E@ +' - , +] 2C' J@C' B ,DC-A' [KK=
" ' ' = ' A' ' , " ,!0' ? !0' 4 ' OQ= ;' B@' BC-A-Y
? @+@C' B- @D' <)' =L) ;P) P' ' ? @ A' ;K) ' 5 ' : '
' , ' C !&, .- 0 O= +' 'C C' ' + Ba' ' ->AD' +-' B @'
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? / I' . ' $** &' A ' ,' QP' 7 B + ' B@' -' ..@C ' A' +B@'
A' ' # ' +B + ' ' C-C A.' A., B? A' SMS' B ' , ' - ,
C !$ 0' 2 0>+' 3@ >JJC@ ' B ? 2' B@ ' ' + -> ' J C + '
;M<< ' 1 ' 6 &"0 8;QO<(' ' 4< A' - ? @' &, @' +B@C@ '
@CG' +C-A.' J, G ' ;Q= ;') I ' C$ - !$' ' LPM B@'
/ @ ,' ' A+' ' @' C@' A-+' .C@@D' A' - ' , @ C' ' @' +K S'
' $ $ ' (' : =N[' . A' +B@' ,- @ +' ' -' A' B ?
; = = $ ' ' ( ) ' ,&!!&D0'
$';K=W ') ' C$ ' $!' ' LK " @' ' .-+' ' UA @'

O ' ' 6 ' * - 0' - ' $!0' @S ' A' ! > ' ' ,@+' > '
=%&!!&DL 0
S) ' ' 0' 0 0' ' " OOK' ' G->' D@ C@' +-' D A @2 ,@# '
B-,D' ? -C@' B +' ;ML= = . ' & -) ' P<< O>+' - ?' ,@+' ' -A'
SMM ' $ 0' ' 2 @+' > ' . ' B- ? @2 @AD' -C '
&C @ +' - ' " G ? @A 2 AD' JC@ @A+,G' @ B' %->J,@' -A ' E@ ? CY
C @D' [Q=4') ' C$ - !$' ' LNN O>+' - ? @2 ' ? > +'
,- @' B ? ' H @+' ' AD' B ? ' ->+' SK) L'
' ;NN 7 B +' ,, ' G@'. @' '
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. ' f ' ' ,0' AD' & (' $!0
;Q;K' ' ! C ' V .' A ' =< @' D-A@' ? G' E@ +'
@,, ' ' ? G' T) KM' B ' $' $ ' ' ' .C @' ' , A. '
? G' C ?' ;KM ' C B ' $ ' ' 8OKML(KP' @+' > ' C U'
' +B@' A@ ' ' - - A ' @' .C@@+
! 2' 5(-C ? A.' D @CE 2' ' -C . A ,,G' 3 (
D@A+ , +B +B@' > S - ' +B@' .@A + @' A. A, C- '
? AG' A@>+@C' AD' ? >, A@' E ' AD' D* ' ! @ @C ,'
- ' +B@' D @CE ' A' 3 ' +B +' @S +@D' A' # ' C@' .@A + @ '
@ +B@C' - ' E ' 8A@>+' -C' ? (' ' EG' D G2' ! '
( ) ! W$' , ' ->A+ C ,G2' -C' - ' A@>+@C' D* 2'
' +C>,G ' -A' +B@' A ,- .G' - ' +B@ @2' 3 ' ') D@D2'
+B' D -C ? A.' >A + -A2' +-' @ ? A A@' A->A 2 '
A' ' ' EG' A .B+2' ' 1" ' A' -CD@C' # ' B D'
, -' D ' - ? J->AD@D' - ' ' JC@J2' AD' ' .@A + @'
.- @CA@D' EG' +2' ' 3 ' ' ' 8 @@' " 7 D!' 3'
- ' ' 8 @@' ") D ' ' D@' EG' D@' +B' +B@ @
+B@C@' @S +@D' J C ,,@,' AD' GA-AG ? -> ' D ' , U@'
&' 3 ' ' 09 [(&' 3- $ ' ' V - &(' A' B +B@D +'
-C' A ' ' .- @CA@D' EG' ' JC@J' " @A @' +B@C@'
C- @' A' @ C,G' 3 ' ? S@D' -C ? ' > B' ' $B ' (
$ - ' AD' +B@' C@I>@A+' -@S +@A @' - ' +B@' + -'
-C ? ' - ' +B@' ? @' D 2' -A@' +B' AD' +B@' -+B@C'
+B->+' (,@D' +-' +B@' DD + -A' - ' ' +-' ? AG' D ' '
' .A' - ' +B@ C' >A + -A' A' - ? @' A + A @' +B@'
@S+@AD@D' -C ? ' JC@ ,@D2' ' A' %% &&' H' A' -+B@C '
+' >C @D' -A,G' A' D ,@ + 2 ' A' & ' (' $"! ' 8! ('
! @@' , -' +B@' C+ ,@ ' " . ' A! " . F D !' " 8)!
7 $ / ! 2' 7 1 2' 7 1!
A' & , (2 , (, (' , (' , (@+ 2' +B@' > S' ' C ++@A'
D @C@A+,G' A' 7 ! B 7 !) ! AD'
+B@D ,@ + ,' &' O$ ' D' +B@-C . A ,'3 (3 ' B ' E@ - ? @' 3 0'
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! H' -E ' G C ' - ' 3 ' A' < & ' , ' - ' AD ? , C'
JBC @
$ +&' ' &' !' 0' ' =2 @+' -' .-D' ' ? @@' B@@ '
? A@' - A@' +@C ' 1 0' N L' E2 B + ' ,' -' .-D' ' ? @2 '
+B C +' +@C2 KMK') 8 . ') !! ' ' ' M;' ' D'
B ,' ? @2 B@') ' @CG' A.@A -> ' 7 - ? A' ;KO<'
$' & ' SSS ' 5C @AD' 2' ,,' G->' J,@ >C@' > ' A' +B '
? ++@C2 AD' ->C D G' B ,' E@' +C>,G' U@J+2' -' -D' " ? @ '
K 2' 0' EEC@ + -A' - ' . ' 1 D'
" >? 0&2 ' & &> ' $! " ' - ' 11 ' @+ 2 >.> Y
+ A@ ' ^! + :' 3 -A +@CG2' % A+@CE>CG ' ! ' ' C- ' C' "&K'
' , " ,!0' $! 0' 11 1) " 2' -C2' ' @\ @@ ? E ++' C '
' ;KQ;' B ' C $ (@+ ' O<P ' ! 2' ' A U@D' A +2' JJC
! 8 1 0 8UD2' -E ' ' !'
! D8@2' -E ' -C ? ' - ') E J ' +' - ' ' 2' I '
! 8@2' 2' -E ' ' 6 ' AD' 3 ' * * 0'
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! ,D2' -E ' J ' + ' - ' . . '
! ,@b' ! AD2' -E ' ' . ' 10( ) ' 10
! J8J@2' -E ' ' -C ? ' - ' 1' 10
! C2' ! C 2' -E ' -C ? ' - ' I !'
! C @2' GA2' -E ' -C ? ' - ' !" !'
! +8@2' -E ' -C ? ' - ' J ' + ' - ' ' '
+ ' ! + / ' 0' 1 0' EEC@ + -A' - ' .
SMM-' 3 ' ' &' & ' 0 O=< O@CA CD ' AA@' O) C@+B'
J C+G' J@C' J ,@' AD@A+@D' $C ? +-' AD' ! E ' %B@ @C-A >, '
+C@++G
! E2' -E ' -C ? ' - '
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- ', 1$ $' E C,@G a']' 3) . . ' , -' $ 10
L L ' # ' ' C $, 0' &) & - ' 8;KO;(' ONK ! E D ,, ' @@D'
AD A' % > + ' O C,@G2 @CG' > @ >,' A' 3@D A@' ;OLM
' = ' < B . . ' $) > ' & -) !(8@D' (' Q;' O- ,' +B@' @@D'
- ' +B@' E D ,, ' +B' , B-, ' ;KQM B 7 0' . -
<M &- D@C@D' E D ,, ? G' E@' JC AU,@D' +BC->.B->+' +B@'
C' +B' . - D' C@ >,+
" @A @' ! E D 6 2' ! E D ' 6 ,A+2' A' ,U Y
,- D' -E+ A@D' C- ?' E D ,, ' @@D '
5NBCWD 0 H H& " ' $ ' > ' & -) !0 0' QN 3 %-A@CE@'
' B ' @ @C ,,G' A ? @D' +B@ ?' ^ ' 0 +B@' JC A J,@' A' E D ,, a'
E D ,, A@2 @C +C A' ^@+ a' = . . ' ! - 0' - M8;K<O(
; ; ; PNL' BC@@' -+B@CJ- -A->' E @ 2' E D ,, 2 - , B A 2 AD'
*@C 2 C@ ->AD2 ,-A.' +B' @C +C 2 A' +B@' $) - ' $!1) - 0'
;KKQ' ' 3 ' 8 ' ' - 0' ! .$!& ' O< A@ ? -A A@2' J@, '
@ A@2' E D ,, A@
! , ! O > 2' ! E@ A' 8 HE A(2' $0' AD' 1 0' ^ '
$1 3) (C' > $* $03& ' 8 ' , $([P% $(A E ' 6 '
$1 ' f ' " @E ' ,-' %1 (+B@' A @A+' A ? @' - ' +B@'

J@-J,@ - 1@?@A EG C AD $-? A C+@C
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A -A@J .@ 8 S, ;=(+B@ A. 0 E,@2 -,,- A. +B@
4 4 AD+B@ >,. +@2 > @ $1 $' -C+B@ I> +@D @C@A+
+C E ,A ?@ 1 !-(A-+B@C A + A @ - +B A
X@U SS =O2E>++B@ ? C. A ,C@ D A. A M X) '.$
B B+B@ $@ @D @C -A 84KK=(D-J+ A +B@ +@S+ a

$ B0 # -C E@,-A. A. +- +B@ A @A+ J-J>, Y
+ -A - 1@?@A A C E A J-@+ > @2 - +@A +B
,,> -A +- +B@ A @A+ C@A- A - +B@ J @ EC->.B+
C-? 1@?@A

$;PKM) L.3 2 B@ C .C A+ C B@ - ! E@ A
.C- @2 3 CCB2 ,-@ 2 % ;M;L = 7 ?&' -$'
, 2 7B-,@ "@ +- ?E@ -C ! E @ A >? ;M<K -
X 0 ' $ C/ ;SP - U A - ! E @ A @ 2 M
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>, $@ + ;KLN ! ' 2 / C JJ A. +B ! E @ A
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0 10 #A@ - +B@ A @A+ AB E + A+ - 1@?@A
;MNQ 1 .. ? $ OL< B@ ! E@ A EG C@ -A
- -A+ A> , @ - 3 CCB@ AD 5C AU A @A 2.C- +- ,- +BY
A. - +B + >->C SMSS . 6& ! K B@G B ,, @,,
+B@?+- +B@ ! E@ A 2+- J@-J,@ CC@ -

! E A2 @CC-A@-> -C? - &

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! E ? 8) E) X)?(, - K < [E ?2 <

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^ 2 "@E 1 B- + 8 +@C +B@ JC@ >?@D @+G A-
,-.G - D N 8$ % 5 $1 - " 1 - "
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+ C -C B J , - -?@+ ?@ > @D -C
A + C -> B +-C , JJ, + -A

O> >"&O ",!(2 1 - -A +@D A +B@
-C B J AD D-C + -A - +B@ + C $>O& B.. 3 2 $ (
S, 2 OK; B@ +C + C + -A C-? +B@ J>C@C X E + ? -AY
+@D A +B@ -JB , +C@ 2 -C -C B J - +B@ @CJ@A+ $ JO
8 .. ',0 ? 0 0 S 8;K)Q(;=K B@ -C B J - +B@
@,@ + , E-D @ 2 -C ! E? ?2 + +@C ?@D ;K=; C ' ' "
",!0 4 4 O<L O B@ C@, . -> E--U - E ? @C@ C ++@A
A !GC ;KP<: 3 .) - $!LM B@ ?-C@ -CC>J+
-C? - >J@C + + -A2 B B A ?@ >C@ - @S +@D BB
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! E ,- 8 E E(2 E 0 0 ^ !J 1$!& B D a
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?@A+ 8 A +B@ -C . A , C@@U AD A +B@ >,. +@(
AD +B@) ' " A +B@ D@ .A + -A &
1& . " -C B B A +B@ -C . A , #,D @ + ?@A+
J .@ +B@ A., B @C -A B @ +B@ C@AD@C A.
T B@ -CD - " - +

B@ C AD -C? E@ A. AD@ , A E,@2 AD +B@C@ -C@
A-+ @ ,G C@ -.A X E,@ .@A + @ 2 C@ I >@A+ @ C,G -C?
A A. & 1& 0

$;LOL C & C $! (' - M " -,G B-,G B-,G
-CD -D ! E -+B $JO 3 ?$ (C/ (S
SS 8;=<P(LM= # A +B@ +@CD G@ A ,E A +B@ .- J@,,
@ E@A + >.B+@ +- +C >@G,,@ A +B@ GA@G@CD@ - ->C ,-CD@
! E -+B 3) . - (S O< B@ S)CD@ - ! EY
E -+B ^SDSS !) -+Ba] 6& 0 = B@ CG@ - +B@? B B
B >@ C@J@D2 C@ @A+C@D A +- +B@ @ C@ - +B@ -CD@ ! E -+B
^ M+S +B@ -CD - ! E -+B_

%-A > @D 1 11 (8!@@ , - 5 $.
$/O% 1 (A(3 6 O 0>+ +B@A @ -C+B ,, B ,,
C@ + @+@CA ,,G 7 +B " ? +B + +B@ -D - ! E -+B B .B+
& +B + .C@ + ! E- +B -D2 *.C A+ ?@ +B + ! E -+B
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+! E + ,S@ 1 0 A " $ K E8E(+GA@
K $ &C 1 '$" $ 1 $?

-+$L ' ! $

%4=MN A ,. &!& $ 4 O<P 5 C + G@ ?> + @+ -A
E +GA@ AD +G@ +B@?>J-A +B@ A-- , % 1 (4
O=K J GC - EE +GA@ AD J GC@ - GAD ,,

! E + A@2 ! $ C A+

+ 1 (, - = P E +->A2 P E +
+-A2 < EE +-A ^ &C 1 %8?-D &C 1 &) '
B-@(2 >.?@A+ + @ - 1 $ 5 $ $ (!J
O$*$ $ E--+ 8 , - O$*$ & B-@(2 &. $*$ $" ,+ , $3
1$ $ B-@ % ?@D 11) - 0

B@ >,+ ? +@ -C . A - +B@ $-? -CD -E >C@ +
@S + A C E = $11 (%$11 (@+ 2 / -XG MOM(2 A
O@CE@C 4 $** (E D (2 AD A O I>@ =O$*$ (E>+ + JC-E
A ,, +B@ @ ,- A -CD C-? !J A Ba

EC- D +-@D C?@D --+ - @C A. -CA EG CY
C -C A C?->C

%;LLN $ B &'($, 8$-,, (;NNOM "G? @,
C?@D GA,G @, 7G:V E +-A ^7 @ ,$), % H
\ J-C@ 2 \ , >?E@C - +@, ;L <$2(= < 0 V ' 0 PQ=
J@AA@ @+ E G E@ E +->AX J-A * @..@ -+@X , &
P) - 1!" & % <& L=M >A+,@++@ -A BGC B ADG 2
\ E +->A -A BGC @+@2 , ;=PN : = . (8 ! (
LM B -C GD UAG.B+ 0, U E +->A @CGD 4=K! $ Q
$! ' (8$-,, (O; 5-C ? U A. - J C@
-8 E +-A - ,-+B@ - .-,D@ A $/&J < 6 & ' (
$ ' P<= B@ B@? G@ ,, ->@C .G,+@ B -?@ +B@
B@ D@ J@@ @ +- +B@ E "-A ;KM< B .. - % - (
A *,SKQ=(ONM + +B@ -??@A @?@A+ - +B@ M+B @A+>CG2 +B@
J- A+ -6@C@+ @C@ > @@D@D EG EC- D EE +-A 2 >+
- I> C@ -C C->AD@D + +B@ +-@ 2

! EE +8 E (A Q K $ E + ^5C J@ ,
JJ, + -A - 11 . T + B@ " EY
E +B ' @@ L , - $ 10(AD% 0
;MP 60 9 7 +C $-) T $ 0 C$ $ &5 A ;PL A +B
/@ C+ -CA@C2 B B2 @@?@+B -A@,G 8+ -C) E + -C
)@?E,G - !-C @C@C ;MPK +C ? $,› $ " 0 $ (
S P= +- +B@ E + -G .@ 2 +B ?G E@, @ @ +B@G
A- A+ +B@? @, @ +B -?@ -?A @C-> -G,@ 2 AD B ,@
+B@G U@ +B@G @ ,G A G +- E@ CC @D +C D@ >J-A
EC--?@ +BC->.B +B@ B ?AG2 A+- " ,,2 B@C@ @ + A.2
D A A.2 AD B@C@ +B@G :+ @ +B@ - +@' EC B ;QML "
9 .1 . + & &' $) ;P >. 2 3 G G->+B >,6 +G2 B B
E@ C ?@ ->+ @ @A + E + D A@D , + @@U + DG
O, AD -CD' 2 +B B@C2 +B@ -,D /@AE .B2 +B@ -,D + B @,D2
AD 3 @+B> @, B UA- B- KMS 0 & " SS 2
->,D B @ A @D ?G @, + + B' EE + ;K<L .)
-(QP B@ E--U J@C @ + ! EE + - D@ ,+CG AD
DC ? + B-CC-C

(33(*(0 (8 @E +@@ C)(2 $(AD (^
11 3) 8!J 1 $ " &. 11 $ &+(
11) - @@* . $ BH #

-C J@C+ A A. +- +B@ ! EE +B -C + -E @C A @ 1 0
E " A. C@, + -A +- +B@ +@A@+ - +B@ ! EE + C A
$;ML4 A ! , (8;K=N(;NP ! EE + C A C .B+) >
A@ ! A- C .B+@-> A@ ;MP= " 2 7 .$ (
8;MPP([ON B@ C .->C AD +C +A@ @ - ! EE + C A , A
+@C 2 +(D@AG A. &@-J,@ C@ C@ + -A -A +B@ !>AD G SMMK
9 .. = ! + B@ &C + , ! EE + C A -C ! EE +B " -, Y
A@ C- A@D +B !>J@C, + @ " JJ A@ ;Q) (. (
C) (OPN B@ @ / A@ 2 A +@ D - - +@A A. !-?@
@S @ @ A OC DE->CA@' ! EE + C A +C +A@ 2 C A A+-
+B@ -A+C CG @S+C@?@ ;Q<M = - (< & 0 =LM
B@ @ C@ ,,@D ! EE + C A2 -C !@ @A+B D G O J+ + ;KLQ
9 8 .. 0 '), 0 , 0 8;KPQ(OO= 7 +B C@ @C@A @
+- :@ B ! EE + C A A-+ -A ;KL< = .. 1 " ;
A-+B@C ?J-C+ A+ @S ?J,@ - ,,@. + ? +@ A+k @C@A @ +B
+B@ C .B+ >, , E@C+G - +B@ AD D> , EE + +C A ,) ,
+ -A ;KML . 6 .) '0 ?*0 ?!& - % ! ;P
"@ @A+@C+ A@D C +B@C +C +2-C B + ->,D A- E@ ,,@D
! EE + C A A-+ -A

O *

2 :@ B -E @C @C - +B@ 8! +>CD G(! EE +B
;MSL &>$%9 ! C ! - $ 8;M;=(;=< B@ -CD $ 1& (
! , .@C ?+E2 .A @+B ! EE + + -C ! EE + C A 2 E@Y
> @ +B@G JC- @ @D +- B >@ ,@ CA@D +B@ -E @C> + -A - +B@
! EE +B C-? %BC +G AD +B@C@ A D @C@D C-? +B@ -+B@C
,@ @ SM=S 1 = B B , &'0 8;M=O(=P= B@ @
@A @C@ G@+ >C+B@C2 ?-C@2 AD ?- + C . D ! E,)+ C A 2
E@G-AD ,, -+B@C @ + 2 AD B ?@ ?-A. + +B@ :@ @
;KLN 2Q . $ 0 2 S LLN ! EE + C A 2 3 ?@
+@C ? - C@JC- B -C +B@ :@ +B +B@ &-,G+B@ +
/ %BC + A B- C@. CD +B@ -CD' O G
! EE +B2 D@D> A. + -E, . + -A C-? +B@ 5->C+B
%-?? AD?@A+ , -2 AD ?-C@ -??-A,G2 -A@
B- @ -J A -A AD JC + @ +B $@. CD +- !>AD G
-E @C A @ C@ >A> > ,,G +C +
;MOM : &)' 3*&" &' ;P "@ A-A@ - G->C JC@Y
@ ! EE + C A 4MPM ' Q 5 $') $*)!$' S -
7 @ C@ A- -?@ >A+- +B@ E> A@ - +B@)D D G2 A
B B->C >+B-C B@ 7 @+B B ? @, + @ ! EE + C A SG+!
' \ (. 6(V ! 2 !! ? SS, OLQ D-A'+ UA-
B@+B@C G-> C@ !+C + ! EE + C A ;KM= - 8
L $ ' C $ = ? A-+ ! EE + C A2 B- @D
(+ EG +C @,, A. -A !>AD G

?@?E@C - %BC + A @ + ->AD@D +- CD
+B@ ,- @ - +B@ S+@@A+B2 @A+>CG2 +B@ ?@?E@C -
B B ? A+ A@D +B + +B@ ! EE +B B->,D E@
-E @C @D -A +B@ @ @A+B AD A-+ -A +B@ C + D G -
+B@ @@U !@ @A+B D G O J+ + % / !
10(! OO " 3 9

;)P 7 & %0 8;M=Q(O*2 B@ ! EE + C A C?@
+B@ -,D :@ B ! EE > +- E@ U@J+2 ADB-+ +B@ -CD D G2
;Q;N !+ \ )) $! - OPQ ;O &C @ D ? +@ 2
! EE + C A 2% ?@C-A A 2 3>..,@+ ? A AD +B@ ,U@
;KON $ 0 & -& ==P $-E@C+ /-. 2 - , ? A A
-AD-A2 +B@ C + ->AD@C - +B@ @ + - ! EE + C A

(33(*(0 (=1 8 <@E +@V +? X'?(^ JC@
i !3 a ! EE + C A JC A J,@ -C JC + @
;MQL = I I) $ & 6& $ - L= ^ a .?A + &C-
B A ++-A - +B@ -CD' / G 8 D- A-+ ?@ A +@AD A. +-
>D ? -C ! EE + C A ?(NB9<)* $<! $'(= N› +

L) B@ C +B@C *>D , ! EE + C $B ? - ! -+, A
?J,G -C? - &C-+@ + A+ +C D + -A ;K<= B, 4
4 .. "0 ?)!! = &0 P= CC- ! EE + C A ? A@ +B@C
&C-+@ + A+ A-C %BC + A + * :@ B A + +>+ -A2

+ ! E,V + CG $0 AD &0 1 (, - M Q E
E +B C @ I D 11 $) " 11) - 0
@@ 0 0 11 $

$ B0 &@C+ A A. +- +B@ ! EE +B2

;MSL &>$%" ! C ! - $ 8;MS=(ON= B@G C@ - -J A -A2
+B + +B@? @,>@ B >@ >J@C ,>-> ! EE +B C @ ->,@2 B B
-A +B + D G J,@A+ >,,G @A+ A +- +B@?2 +- A, C.@ +B@ C
B@ C+ ;MLP ' . 11 ;; 8;MLM(- $DC 2 B
EE + C @ -+ ,@2 ? G E@ JLC+B .-C 6
;M=; " 2 7 <& 11 &C@ 2 " D +B@G ,@ +
> A- -+B@C D@?-A +C + -A - +B@ C @S @,,@A G +B + G
+B@A +B@ C ! EE + CG C + 2 +B@G B->,D A@ @C B @ ++ A@D
-B .B C@J>+@ ?-A. + > ;MQ= # 0 8;M<M(MML
!@ @A - ?@+ ?@ ,,@D +B@ ! C) AD F> @+2 -C ! EE
+-CG ^ >?E@C

O 10 %BC + A B- /E @+ @ +B@ :@ B
8 @ @A+B D G(! EE +B
$/O% ..) 0 C&* " ? ;SO B@ EE +B C @
-A+@AD +B +-+B@ AD A , SM X A) 0 ' 2 0
,&2 0 7 &- -$' -(L B@ ! EE +B C @ 2 B B B@C@+-Y
-C@ ->,D B >@ %BC + A -E @C>@ +B@ ,@ b ! EE +B

(33(*6 8 @E *(5-C? 2 L P E +2
8L * 0 E X(2 L E D+2 = E +B2 +2 = P
E +@2 = M E8E(-+2 = Q E-+B2 P E-++8@2
EE +@2 ++@2 -++2 P M E-+@2 P Q EE-+B2 9
E@++2 ++2 -++@V -+E@2 !C2 EEA+B2 M E

! C0 = &'0(EG -A A -A +B = K
! / M ! / !! $!@@ , - 0
^ D 11) - 8J C+,G +BC-A.B # 5 11 (
1 (? -D 5 11 f &C 11 (!J 1$ &(&.
1 &0 + 11 &+(C $ C?$ &)(D "@E A+!(
$11 (C--+ A + 1 +- C@ + % -+B
11) (38(3 / A 1 ($11 (11 (/ A AD
11 0

B@ !J 2 &. 2 AD + -C? C@ +B@ -CD A CG A ?@ A
+B- @ , A. -C ! +>CD G E>+ &C > @D 3 $* , 8
$ 1$ + A +B + @A @2) J-J>, C + A A , X@D -C?
$ - !$) - 8- -C @A+ , -C . A(JJ@ C A 5 $ - .3T $ '3
1$! +(# " $ - 1$ $, 8?-D $ - %$ + ! +>CD G
) B@ -A > -A +B A-+ J@ >, C +- A., AD
+ - >C A 3 " AD A ?@D + A

B@ -CD A- @CG - +@A C ++@A 8, U@ +B@ A ?@ - +B@
D G - +B@ @@U AD - @ + , (+B A + , J + ,a

A +B@ -C . A , > @ B@ @ @A+B D G - +B@
@@U 8! +>CD G(-A D@C@D +B@ D G - C@, . ->
C@ + @A*- A@D -A +B@ C @, +@ EG +B@ ->C+B 8-C A
?@D @ , C@ U-A A. +B@ +B CD(-?? AD?@A+ -
+B@ /@ ,-.>@ &BC @ 2 &. *(1 $. . 11 (
K B@ -CD A@ @C A A., AD2 A -?@ -A+ A@A+ ,
->A+C @ 2 @CA >, C GA-AG? -C ! +>CD G2 +B->.B A.Y
, B C +@C - ?@D + A > @D 11 C@ I >@A+,G
$) - 0

$(%<3 ' 0 <& *0 3 ++ % J +>, @ + -A>? e KQ
5C-? @ @?@ - +@ ^ $ * 11](,OOLN $!
6! 0 ;Q SV 2 .-DD B ? @-, @ ?CB * @ JC-JB@+@ V@-
aV@ B EE@D C-? B ? -C -C>@A ,@ B@ ,> +@ 2 \ B ,D@!
? A@ E X ;L) & 0 ;;<KQ 8%-++ (AD - , ?@ -
E , U@ @,>@ 7 + B AD@ ? D@ B@ J C> +>@,>@2 J-A
J C E D+ E> E@ D D [L=N " '10 Q (VC DD@ B@ +@
J@,, B - -U@ E@+ E-> B B mV A@ D G - B@ E + 8 [@+@C
D G(-CD2 X@+@CD G2 J@+ aV@ +>C @ ,@J@E E +2 @
?- B@ -CaV @ +@ +@ AD A@ V@ +@D@ - J@ E + X@+
B- E@C E@ (V A@ -AD G+- ,-UG A@ B@ A@ @,)@ , ;LKN
9 . 1 - (!@, 7 U =; AD :@ > J U@ +- G @ ?@A
- B@, @2 AD +- &B C @@ B@C@ + @C@,@ @ >,+- B@,@ A
! E-+ LKO] , 5 B AA@ +E@ +- ?@D@A)@A +-
:@C> ,@?2 C- +B@ B +B + +@J D #,G>@+@2 +B@ B B
- GD :@C> ,@?2 B >GA.@ +B@ >?@G - E-+B ;=LO
WN+C '8$-+,)) Q #>C@ ! - >'@ %C +@ E-CA@
A +B@ AG*B+@ - +B@ B-,G ! E-++@ 8-C . , $ $](
$/O% 0 0 LM OG ->C B-,G ! EE +B B >@ :
-?@ - B >@ +B@ D>@ AD -C @ + # ?G E-AD ;M=< #
. < 0 5 0 A / - S ;O< B@ &C ? + @ %A>C B
U@J+ E-+B +B@ ! E- +B AD +B@ -CD D G UQOQ =S R
",!0 ." B@ / G - +B@ 7 @@U @C@ D@A- ? Y
A +@D EG +B@ :@ 2 C-? +B@ -CD@C - +B@ C > @ -A C-?
+B@ EE-+B $ 9 . &- -$' -(0 B@
%BC + A !>AD G AD +B@ :@ B ! EE +B C@ E -,>+@,G
D @C@A+ A + +>+ -A

P(;L) & 0 ;S<) 8 D++ (J-A _V C E -+B)> B@
D D CT4PON (0 (' ,& 8! ! (;; ^:@ > a
,) , +B +B@ GDC-*) +@ J-AA +B@ E -+B@ , ;MSN &- '
$ ' ;Q; # +B@ ,@ @ 2 B + A. % C >? -A2 G@+ +B
+B@? U@@J A. +B@ C ! E -+B M) 2 % (1 "00/(
+),@EC + -F - +B@ !@ @A+B D G - +B@ @@U

E ! A @ +B@ $@ -C? + -A2 - +@A JJ, @D +- T +B@
-CD' D G'2) +B@ ?+ D G J +B@ @@U 8!>AD G(
-E @C @D EG %BC + A A -??@?-C + -A - +B@
C@ >CC@ + -A - %BC + B > @ -C . A ,,G
-AA@ +@D +B +B@ -J A -A +B + +B@) EE + ,
- +B@ /@ ,-.>@ C@? A A -C @ >AD@C +B@
%BC + A D J@A + -A2 +B@ D +@ - +B@ T ! EE +B "
B A. EG / A@ JJ- A+?@A+ E@@A B A.@D C-?
! +>CD G +- !>AD G E>+ + - -A ,,G JJ@ C
A C +@C B- D D A-+ B-,D +B @ A ! -+Y
, AD + + ,, @CG -??-A 8&BC @ A (
B@ A-+ -A +B + +B@ -CD) D G %BC + A ! EE +B
-C2 ?-C@ -??-A,G 8 A I>-+ ;L=N >AD@C (>E + +>+@
-C +B@ ! EE +B2 - >C A +B@-,-C , C+?. C-? +B@
=+B -A CD 2 E>+ A-+ J-J>,>,G >CC@A+ E@ -C@ +B@
$@ -C? + -A A A., B2 11 GA-AG? -C" !>AY
D G" D D J-+ E@ -?@ -??-A+ ,, +B@ ;Q+B @A+>CG
^ 4==N @@ ") 3 S
#* ;PN< . 8 &&! 8;KQ=(;QP ?-A.@ +B@
B B@ JC@ @J+ +B -A@ B@ EE-+ +- 7 -C EGJ AD
A +G G , G B@ @>@A+B D G - +B@ @U@ ,,@D +B@ -A
D G ;PN= , 0 !!" + =SL $ 0((- +B@
A@S+ ! EE-+B2 AD ,, -A+@A+ G-> C 0 ,@ +
GJ-A G->C 4S CD B J ;MNQ ' . 0 ;PN B-> C+
, E->C@D +B C-? EE-+B +- EE-+B +B + +B-> ?? + E@
JC@J D JC %BC + ;ML= 11 &- -(3) S A+C-D 2
B@ C + D G - +B@ @@U B B A- +B@ %BC + A ! EY
E-+B ;Q;Q & & & 0 84K=L(OLQ 3 C : -BA D ?Y
-A2 ! EE +B -C+A .B+2 A+C>D@D -A +B@ ? A +CG 4KN<
) - 0 Q= &C G@C B->,D E@ - @C@D >J @? Y
A@A+,G2 AD @?JB + ,,G2 -A +B@ ! EE +B 4KML ' 8R
) ! &- ,, ;NN !@ @C@ AD >A,@ C@?@?Y
EC A @ - +B@ ! EE +B - B ,DB--D SKKK (-
< -G <QQ O B@ OC + B ! EE +B A- D G , $() -A
+ +C , A0 0: A MM B@ +@C? ! E,) ++B JJ, @D
+- +B@ -CD' / G >AUA- A +- +B@ C+ ,@ 2 +B@ % A-A 2
AD +B@ &C G@C E U - +B@ %B>C B - A., AD
! ;PKL B ' $ 0 1) 0 &C@ 8SK)(+ - +B@
JC-JB A +,-A - +B@ -CD B E -+B X) .3
?$ $, <=N %-??-A 0, JB@? A. N; -D' ?@ A
+B 6 > ,, JC- A A. - B ! EE -+B SM S . 7
1$ &0 & 8% ?D@A(L B@ O ,, -C ! ,) -+B

B % '0 JJ, @D - +- +B@ D G - +B@ @@U
@+ J C+ -C C@ + -C -C B J EG AG C@, . -> E-DG2
@ . +- +B@ 5C D G -E @C @D EG 3 -B ??@D A
;M;L C ! - $ 8;M;=(E,@2 ! +-+B - ! C Y
@A -A 5C D G) - &@.> A -A 3 -AD G2 S) :
,,(&.$- - $' 70 5C D G +B@ C ! EE +B2 -C @?
B.>A@

D JJ, @D +- +B@ EE + ,G@ C - +B@ C @, +@
;LK 9 . 6 0 44 = B@ @>@A+B@ -C -+B@*@@C - +B@
,--AD B , E@ +B@ E-+B - +B@ C@ +GA.@ - +B@ -CD !-
A , +@C @C -A a

/k $-B' AD% T' '+?@' -C'J@C -D' - 'C@ +' '
@ +-A' C-?', E->CZ+C->E,@Z J A' AD'+B@', U@
4P<4 .3 '?$ $' ' 6'==M "@' ->,DZ +B '
! EE +B' B->,D' ' .>C@'E@' # '+B@'E,@ +'! EE +B'- ' +@CA +G'
SMSS' 1('< B@C@' C@? A@+B' +B@C@ -C@' 'C@ +'
H-$ 0U@@J A.'- ' '! EE +Ba'+-'+B@' J@-J,@' - ' -D' SMKS
'1 0' , 0'<;L' "@' @'@A*-G' +B@'! EE +B' -
B ' - , ' ;QLQ' 1' &0 *0 Z 'L' 7 BG' ,,'G->'EC@ U'
+B@'! EE +B' - '?G'D G '+' ;QNP' B 'C$)* ' '>' ' $!'
K'1@ Z ' ' @@J 'E>+'A-+' +B +'+B->' C+' - ?@' 6-'+B@' -,DZ
EE +B' - '+B@' ,@A+'+-?E' ;KP=' (' "-)"'T . '2 $%
'6 & " B- @'@AD,@ '! EE +B '+B@'E,@ @D' -A@' @@' SKM-'
) . '<!$,0 ' 'ON +' '!>AD GZ AD' +B@' @A@'
+ @, '! EE +BZ +B'A-' ->AD' +-'D +>CE' + 'J@C @ +'C@ +
4L<K' 3 '?$ 0 'C0' 0 S'SS '8;=<P(LM=
7B A' @' - ?@' +-' +B@'! E -+B' - '@AD,@ 'C@ +' +B@AA@' @'
B ,,'B >@' *-G@' 4P<K' .3 '?$ $' ;O' '
&!) - ' ' B@+@CA ,,' C@D'! EE -+)'S S- '- . 4 '
. % ' , (' Z -'U@@J' '@ @C, +A.'! EE -+B 'C@ +
L' ' ? DA .B+'?@@+ A.' - 'D@?-A Z -C @C@C' AD'
+ B@ Z JC@ D@D' - @C' EG' +B@' / @ ,Z' >JJ- @D' A'
?@D @ ,'+ ?@ '+-'B @'E@@A' B@,D' AA> ,,G' ' A'
-C.G' -C' @+ , ' # +@A' ?-C@' @SJ, +,G' K $, $
$ 0 , - '
-'S -50$##90+C @ b 'C? 'L;O / @C'!-C @C@C'
'B @' -A @ @@D' +B +' A'+B@ C'! EE +B Z '+B@G' @@D' -A'>B'
C@' ;QLP' 1'?*0 $ "'OL< '" . 'B-,D'! EE +B! ',@ '
-C'* '+B A' J +@Z ! -' +B@ @' +B@ C' ?@CCGZ ? @C E,@' .B+'
KMN': ' '?$ * &' , ' " @C@'? , .A A+' J C+'
B @'B@,D' +B@ C' EE +B' -C'B@,,EE'C@ @,C@ ');7L' $*>'
$ 0KL; O' +'? .B+'B @'E@@A '! EE +B '! EE +BZ
L >' '2 . ' & 0 $ (S';;P' +' ->,D'E@' C'
?-C@' J +>C@ I>@'+-'D@ C E@' ') E -+B' - '4 J, AD' + B@'
+B A' 'JC G@CV ?@@+ A.' - 'B->+ A.' -A @C+
!'$ 10 AD' &' 10M -*!'$ 10(' 11 ' 0
& &' ' ' ' ' -&' ' 0(-) , ' 0
$ &'(, (&) ' (B& .H' 11 . ' D*'
-E*@ + @' AD' -E*@ + @' .@A + @Z ' 11 31 $, '
8C C@n)(Z ^1 $. (31 $. ' ' E' AD' D*Z 3. * (
^. * ' '1T AD' D*' , -' '! EE +B) -@ @D' $0(
D -A+ AA@DD>C A.'+B@! EE +B' ! EE +B -, - - ,2
8 (' !- / 1 "## '8D(' ':@ B' B--,'B@,D' -A'
+B@' ! +>CD G' -C' . A.' C@, . -> ' A +C> + -A' +-'
B ,DC@A
;QK='%- J $' $.' 'MPL' -' B- ' +'B-?@'OG',@ DA@ Z
D,@A@ Z AD' EE +B EC@ E' B@' .C@ +' JC- @A G' E@'
? D@' EC- D' ;MNQ' ' ' 0' 'OL=' +' >++)' +B@'
EE-+B EC@ U@CZ +-'B@ C@'E 'JC-JB A@A@ @' + ,' C@D' ->+'
J-AZ ;Q)'< E!0 $ 0 'MPK O B@'@S @,,@A+' '
. A +' JJ"A.' "-> @ Z JJ,@C Z 'EE +B OC@ @C Z'\ '
S WL')'9 ' 'MLM' B@G'+ S' & J + +B'
E@ A.' B E +> ,'! EE +B EC@ U@C ' ;MP;' C &' ' A'C &,0
C$ 0 -'KP ;LN=' +'3 +' . A+O, JB@? @ZJC-JE A'
>C A.' AD' @ C A.Z - EE +B' EC)DDA.Z'\ ' ;QS=' = '"
) 3 . ' $10 ? '8;QLL(")' +'+B@' -?A) -A' - '+B@
J@ @Z 'B@'E@ -?@ '+B@ ' -A + A+'J, .>@'+-' EE +B EC@ UY
A.'E>+ B@C' ' ;QM< . ' &- -0,1 'ML'&C- A + -A'
- '+B@',-CD' D GZ -C' EE +B EC@ U A.' ;L<L'(' . % M'
0'LN B@GC' AC@ J,+@DZ AD'A-+' '?> B' ' ! E -+B @ @D'
E,--D B@D' ;MSL') -> 6))) -'&DC' I ME Z' &-@+CG A'
B B'D >@C E >@ E@ @D'+B@C') ->.B+ 'A-+ A + -C -,@?A@Z
G@ ! E -+B'D@>-+ -A ' ;KOP '9 . 'C& - ' '+'N='!? ,A.'
?'+B@ C' ! EE +B DC@ ' +! -)> "@G' ! "' 'KQ" " A.'
J@A+' ' W EE +B'@ @A A.' +' A' A?' ;KP=' (' " -'(
H "'2 $' B&"' Z B@C@'D A'A-'! EE +BZ] A-'! EE +B'
) -'@C' B@ @' ! EE +B U@@J@CP' E) @'-A@Z AD' A-' ?-C@Z
VK<0 = ' : 7 . ' 0 % ,$' =ML' "6'C . D' ! EE +B'
U@@J A.' ;KO=' 3 ' = ' !!$ ' '!@A'; OK' ') EE +B'
,U@'J > @' - ' -CU' AD'J, GZ C C@' -A' ' -CU D G' SK)'O'
' $'0&''? $, '$0 A' ,?- +' ! EE +B ,U@' + ,A@ '
JC@ ,@D' SKMW < ' . 'A')C- ' % '8;KKP('LPP'
1->C' ,@++@C' ' ' @, -?@' DD + -A' +-' ->C' ? B A@' +B '
)! EE +B' ?-?)' ;KNQ 9) 8 ' & ' ' ;QM;'
7 B@A' +B@'E@,,' -:' $G, +-A@'J, G@D' B@ C' E7+B'?>]b
>< & ') '$" T0 ;QK=' 81 ' ' 'Q=M ' EE +B'
C +@ ' " @'D AD,@D' A+-' >AC@ J@ +@D' -C?' ;K=P'$' 7Z
' 'C&*0 ?) ,0 Z 8 D'O(;LP' B@' ! EE +B' B--,'
.@A@C ,,G' >JJ,@ '+B@' A +> CG' +B' + '?- +' A+@,, .@A+

B@@' 'C@ +C A@D' C-?'+B@'->+ CD' ;KPP'OLM 76' "' & '
&) .07_' B@'@ C,G',- @'%-?@'E D@' +B' ' EE +E' ->AD'
;MOP' ' ' ') '8 CE('PNN " ' ! E+@+B' 7 -CU@Z
@>@C' A @Z '+B@' ,,>? A + -A' - 'BW!J C +
! E! +,96 , '8 HE) X'?(' ^' 11 $ '
!3a ,@'D- + A@' -'! EE +B ' [@E' 8"@E'
$1 $'AT1 +(' ,@'3@ B'E-?' +' !?GCA
'$; $
L AMJ , $%> ' ' %!0 ! 0'V%)'& ' ' ;;O< -'
&-, B'C EE Z B-'+C @,,@D'@S+@A @,G'+#' JCI V . +#'! E'
E +B) ?''
! ,(+, S A8 @ E aV@ 'C A(' (K$ 0
'1'* + ' % ' ' '%' 0
<$!$ ' 9?@?E@C' '+B@' C@, . -A '
@ +' ->AD@D'EG' : - AA ' ! ->+B -++' +' ;KN; ;=
;Q;W' JXO '+C' & ' -'T ' 1 *0 OLP B@)'! E'
E +B C A' C@' -' ,,D'E@ >@' +B@G' ,,'A-+'C@? - @' +B@'
/ G' - '$@ +' C-?' ! +>CD G' +- ' ;KKO L' , $%C '
' ,"',!T' ! T' * !' 'ONK<) EE +B , ' -C' @ '
C @, +@ ZZ 'C@, . -> ' @ +' ->AD@D'EG':->AA '!->+B -++
! EE +B C @Z' C6+A+' -C?' - '
!, EE +B D G '5-C? '8 @@'
: C' ' ' $
S) --)*3') &' T S '8, >D(' +@C'+B +' E-+D G'
, -A' E D C' -?@' +B@G' >@CG B-J' ,5 '9 . 1'
T'8+KK-('P\' "@' B@:D' ' U' ? A' J->'V@'! E +B'? 0
>) P-'+C' '8$-,, ('LOQ 7B E@'J@J,@'U@J@D'+B@ C@'
! EE ++@'D G'4& L' 11) -6(AD'B D@' BG+' A' -' .C@+@'
A@C -AZ +B +' +B@' -,D@' A-+' D@GA@' ?@G+@' V+'D G'
SWL= = ' $ T'C$ &'' 7 ' ;LNK ;'!-'D-'+B@'C' EE-+'
D G@ 'E@ .GAA@' A'+B@'@>@AG- . AD'@AD>C@'+-'+B@ @>@AGA.@

-,- GA.@' ;PMO' 1' ' 2(%0) 'S' QP' OG'
A@ @ +@' -'+B@ C' @A@? @' -A +C@ A@D' +B@G' 6'+B@':@ a'
->.B+' -A' +B@' ! EE-+B' D G' SMS-' &- '' $' ' ;PM
"@ +B' +B@' ,@ @' U@J+' +B@' ! E-+E' D GZ G@+' C@ > @D'
% C >? -A' ;QN< Z # ' ! "- (& 0 ,; ;N='
%BC + A'?> +'A-+' :>D X@' AD' C@ +' -A' +B@' ! EE +B D G'
E>+' -CU' -A' +B +' @CG'D G' AD' . @' +B@' JC@ @C@A @' +-' +B@'
-CD' 'D G' ;QOM': ' . 'C -0)% ' ;N 5@ + Z C@'
,' -CD! D G Z ,'! EE +B D G Z-C'! +>CD G '^@+ a
E ' 11 ' $% 'B&) ' ")(+B@' D + A @'8 '2NNN
$- - -C'@,,' ;OOP'G CD (B B'8 -CD A.'
+-'$ EE A ,'JC@ C J+ -A' A'+B@'+ ?@'- '%BC +(' '
+B@'>+?- +' , ? +' - 'J@C? ++@D'+C @,' -A' +B@'! EE +B
L/ %') ' ' ;O 3 ->A +' -, @+@' B B' 'A@G@'+-'
:@C> ,@?Z' -A+@GAGA.@' ' E-+B'D G@ ' -CA@G' ;MOK . '
, &,& - 0('C , ' "*&, 08 CE (ML' "@C' - +@ +' - '
J A.' C@' ! E -+B D G@ ' ->CA@G@
: ' 2' ' ' !$
B@' C +' + -' I>-+ ' ? G'J@CB J 'A-+' E@'C .B+,G' J, @D'
B@C@Z +' '+B@' -??-A' @ '+B +'+B@' -?? AD?@A+'+-'
U@@J'B-,G'+B@'! EE +B D G'Z A' +'%BC + A' A+@CJC@+ + -AZ
C@, +@D'+-'+B@' @ + ,' - '+B@'%B>C B' A' .@A@C ,Z AD'A-+' +-'
!>AD G' -A,G' -C@? A@A+,G
,57 '< $' &- 0 S'L-8" C,'3!(' "-J@' @'B +' '->C'
,-CD' A@ >' C +Z E@' B B' B +B' -CD@GA@D' -C' , @+@'HLP' @ B'
? A' B-,D' U@J@'+L' E-+B'D G' ;PSL') 8' 0' T'
1) ' 'KQ< ' -? A' B B'EC U@' +B@' -??' >AD@?@A+'
' .-D' AD' B-,G' B>C B@' BG@' EE-+ D G'DGD' -, +@' 'A'
, > >,,G' >CUGA.@')';POP ' 08;KQ;(';O # A'!>AD G'
+B@' -C@A--A' - >J @D'8 X -C' +B@'! E-+' D G'(A' I> @+' AD'
+ -A' C-?' --CUZ \' A'D > A@' @? Z X+@.' "'?. 0
8!>C+@@('OK=' B@C@' B ,,'E@'A-'?@@+ A.@' ' -A @CA A.' AG'
E> A@' ' E->+' >J-A'+B@'! EE +B'D G' ;MP;' 0' ' 2 (
2,$ 1 3 T " ' 'C$ 0 T' A' 0 'AT K+B'!@C' ' OOL'
$-E CD' 5@A U2' B B' 'DC- A@D' A' +B@'O C@ ' ?G,,'
D ?' B@C'B@' @A+'+-' ?'-A'+B@'! E-+E'D G' ;QSP' ' - '
$-T' '6 ,E';'> '8;K=;(ML' ' --A' '+B@G' -?@'B-?@'
A@S+'! EE +B D G' C-?'+B@' @C?-A' SKS-'9) 8 'C & '
. 0 8;KQM('LL' B@' @A +-A'J 'J ->' B@@C >,A@ Z
D' ++@AD' +B@' @,@EC + -A' - '+B@' EE +B D G' A' C>C ,'
J, @' ;KLN =' ' $' ' 'C $ $' "'8 KMN('
=C ' +'#A'+B@'! EE +B'D G'+--Z +B->+'?G'@ @'
?0 T' ' ' '
4QN='#' ' & $- - $' '=0 B@' $% ,.(@' '
&A@ %' B B' ' E- @' "@' - $) - (- +@'-A'+B@ C'! EY
E +B D G
#$ '(' ! EE +BZ D G' - ' C@D'C@ +
K>/ /' 1 'C &!0 $E';O' -'J, @' ' C@DZ A-+'+B@'%B>C B'
C@@' 'A'!>AD,G' B A@'A-'! EE +B D+)'+-'?@
&(: */(*44 -) =! L.& ./ $T K$ '

B@
Z 'C>,@'@A*- A'+B@'!-A'N' EC B ?'+-'JC@J C@' -C
+B@'5@ +ZEG', G A.' A' '+- U'- 'JC- -A'+B@'D G'E@ -C@'
!! A '8 @E V< Xg' T ^ ,+@C@D' -C?' - '
3' +@C' 4 T ' - -E @C @' -C'
U@@J' '! EE +B' -C'J) -D' - 'C@ +
$%+O '8/-> G(' ' $ T'PK ,H@' , AD' I> @+,G'U@J+'
B=C' EE +B@ Z ,'+B@'+ ?@'#'B@C'D@ -, + -A' B@' EE +B X@D'
A' +B@' JJ, + -A' - '@ @A+@' G@ +@' ' SM S' 8 '
% '& 0 C ' $ T' @A' ,'O $@ +@D' -C'! EE +B' @DZ +B +' Z
U@J+' EE +B' ;MLL'9 B ') ' $** ' 'QP' B '
D @,, A.' A' -D' '-++' J C +> ,' EE +B+X A.Z+B@'+GJ@- '+B@'
@+@CA ,B' O>+/' Q .' C 3 0 ;' 7 U ' ;Q;M' : : .'
PO B@'!-,@?A' @ .>@' AD'%- @A A+ '3 C'9A-S'D D 'EC A.'
A+-' ' +, AD(B@C@' + '!' C ?J A+' +-'+B 'D GZ AD' ? -C@'
C. D' +B A' +B@' A->+ +,-A' A' !J AZ +B' +B@' DD + -A ,'
0)-+ ?'- '! EE +A A.
! EE +6@ '8 E*(')(Z$0 K$ 'N
0 !!a #E @C A.'A-'! EE +B'
B($ 'T' ;;'SS 'e'=M B 'A @@ A' AD'
! EE +B,@ @'J>C >+@' - ' ? A' -C+>A@',@ >@+B' A-+'+C >+@'
B B' @' - @'+-' -D' - '->C' + ?@Z $'$%/%' ' . &! 0
-T'8S)K('S)K&C G@C' + @,' '! EE +B,@ ? AD' DA>+ 'A-'
C@ +Z A-' A+@C? -A' +' ,' SK - ' '&' '0(' &'6
' '2& .X(! EE +B,@ ' ! + Aa' B@' B- B '>A., D'
U' @ @C'J,@ ' SKKK' C$!' $!!'D)) L' # +'OO A' KKP'
> +C C">A. CG' A'C@ J-A @'+-'+B@'E +@C' CG' - '! EE +BY
,@ '+- ,@C '@A +@D' ' +C A.@A+'!>AD G',
!! 2') ! ./$0 K$ '1'* ' $L'
$@ >CC A.' @ @CG' !! $
!X'< ' 0' "! ' S >';L< +' ' '! EE +B,G'
+B@?'@' -'C@.C@+
! EE +E,G2' K$ ' i J'N$L
@CG'! EE +B'! EE +B'EG'! EE +B' ,0
;MOQ' A'%C SA-AD' ''0?$'%' 'L=' B@ C' E @A @ '
C '+B@'9 CU'! EE-+B,@' +'+B@'D C@ + -A' - '+B@'E ,G+@' AD'
@,D@C 'Z ;MQ4' ,(C 1" (4' ' 'O< 3 C'8!' " !'
;K<M(< B@G' @C@'C@ C@ B@D' @CG'?> B'EG'B ?'! EE +B,G'
52 $?!&,.2T' $ 0" [T'=MQ' '+B@'$@ '3C'5]] ! EY
E +B,G' G Z A'+B@'J@C-C + -A' - 'E ' @C?-A
/ ' A' ' ? AA@C'E@ ++ A.'+B@'! EE +B
$ 0$' # ' ? A' &' AD' ?J- ?.
! E, + ,'8 @E))(Z 10! ^' 11 3) '8 @@'
E@,- ('a' a' '?@?E@C' - ' ' @ +' ->AD@D' EG'
!++EE + > '8-C . A ,,G' ' -A @C+' C-?':>D ?(Z B-'
@ @D@D' C-?'+BD' - + A + 'E@ E?' LKNZ B A.'
D-J+@D' FA C+-D@ ? A' @
;QNK OO' B' T' ,,! TSS' + ,'e'P' B@'3 C A, + '
'U@J+'+B@'! EE +B' , -' ' +' '!-'D D' +B@'! EE + A 2
,) J@+ A '^@+ a' K>A>"&A' '%GC Z B@'! EE Y
+ A' C@'C@ -CD@D'EG'@ @ , !+, 'B +-C A Z)B A.' '
A@ +' EB-CC@A @'-'+B@',@+B ADZ S++ L' , $%' ' ,",!T'
V ! 0'V'&2!(H!H0'ON<N'O G'3 ' - ,,- @C Z+B@'! ?E + AZB@'
'B-A-C@D' ' '? C+GC
!!) ?! @ ./$T '!5N K$T $13
1$)') =O0 ' & 1 $' ' *
" ' ' -=L' '$' T'P ' ' !! $
'SK-'+C'< P C ' T'%2 ' ';P;' B@'! EE + A'?G+)
O ' 10 'E@, @ @C' A'! EE +B ?
4K<O +C'< O>' T0T6 2' ';P<' +' @A @ ''I> CC@,'
EC-U@' ->+'E@+ @@A'+B@'! EE + A' AD'+B@ C' -JJ-A@A+

"@A @'O EE + A ?'f'
;K<O +C'< O>' (" &' Z AD@SZ ! EE + A ?Z C@Y
, -Z 'O;<' ;K<K [ )CC-")C'< &' 'ONL'
! EE + A ?'D,D' A-+'J, G'?> B' J C+' A'?G'@ C G', @
(33(* D', E @ '+U(Z$0 ADGD'^ D'5 ' 11 D) '
8 '!J' $1 ,&(&. Z +' $ 1$. +(D'?@D ' P$13
1$,) (' C'$$ $ '& ('$1 P$ 3&'
@@' a' ' $%"'T' %'-C'J@C+ A A.' +-'+B@'! EE +B'
C@ @?E, A.' -C' JJC-JC +@' +M' +B@'! EE +BZ $1Q
1$,'" $ 'I' 11 ,$!" $' '$T O (
;M=<' :) ' . '< 0 5 - *0 ,'/ @ S'S-'!+C +' AD'
A@ @ CG'C@ + ' -A@' .C@ +' J C+' - '+B@'! ,? + D'C+@'
;MPN ' 0' $- - - &' ' (e' SMZ M B@' @C A+ '+-'
E@' @+' C@@' C-?'+B +' @C +>D@'2 A'+B@' @ @A+BZ -C' EE + U

?@A' +A@ C'C@D@?J+ -A' ' -?JC@+@D)') Q))'
*5 $ '&-@+'7 U ';QO;' 'LN'! EE + U / AZ '&C @ +'
- '-,DZ OG' ->AD' - ' C>?J@+'+-,D' $>J>'9 '6& *) (
$' ' 'e'4 B@G' ,,' +'+B@' EE + U'C @C' XKMS' 8
6) $! -'KQ&C- -A ' A'+B@' ,++,@' . CC -A' C-?'+B@'@ @ +'
- '+B@' EE + 'G@ CZ E) A' +-'C>A' B-C+' ;KKO: '
*& 0 % ' '<< C A+'! EE + 'J@ @'+-'@ @CG' ->6'
'0 '!10 '' !! '2 $ 10
';MPN ' 0 $- - - ' 0 e' ;M'M B@':>E ,@@Z B B'
'+B@' .C@ +'! EE + U'8? D@'>J' - '@ @A'+ ?@' '@ @A(
! EE + ,'8 \E @ CU)(Z$T , -'K EE +B '
$ K$?$ $0 T 11 (E') $.'H* .
' &@C+ A A.' +-' -C')JC-JC +@' +-'+B@'! EE +B'
;M=P' "' !$) -'<N B@' -C?@C,G' ?@A+ -A@D' C@' E>+'
->C' -CU A.'D G@'EJ!@ ZA-' - ,,- @'->C' @ @A+B' AD'! E'
E + ,'@CC->CZ B@C@ A' @' @) '+-'C@ +' ;Q<<' ' $ 0
<& ' 08;KNL(N=' B@'%>C +@' -' C' C-?'E@ A.'JC@J C@D' -C'
B ' EE + ' , ?' -' ?'-A'+B@'! EE +B '+B@' '@A. .@D'D>C A.'+B@' @@U'
A' -?@' -C,D,G' J>S +>+' ;K=<' " = .. ' &&*0 $0
4 '8;KQ=(O<P +' @@?)'E@C D@ Z +-'+BC-' , .B+' -A' +B@' JC-Y
? A@A @' - '+B@'! EE 6 ' -?? AD' OKQQ = ' . 1 '
$ $' ; 'SSS 'O<;' B Z +--Z ' 'U AD' - ' -,@?A' EY
E + ,@S@C @)' S') ' .3"I!Q6) ,0 'LK ' EY
E + , ' ,?'C@ ,+' C-?'+B@' -A+@?J, +- A' - 'B ', E->C
E' 11 $!' T(A' ?)) CG' C @C' @,@'
EC +@D' A':@ B',@.@ADZ B B' ' D'+-' -E @C @'
+B@'! EE +B' ! ? , C,G' 11 ,$!'*&&!' @@'I>-+'
;M=<
B@' ,@.@AD' - '+B@' ' EE + ,'C @C' '@S +@D' A' + -'D

>JJ- @D'+-' AD@' A'+B '&@C A' >,@' SM)'# '
< 0 5 - %0,+'S 'P;' B@' EE + ,,'J--,' A':>D@ Z B B'
'DCG' >@'D G@ Z'E>+' .> B@D'->+' A' ' >,' +C@ ?'>J-A'+B@'
EE +B' - ' L. 71.' -0 '8;MQL(;P;' B@' ?->'
! EE + C'$ @C B B' -C'M'D G 'E@ CD' ,'E@ -C@' + ''
+B@' D? C E,@' A +>C@' - '+B +' $ @C' Z +B +' +'U@@J' '+B@

+B@' @ @A+B'D G'
'+B@'A + C@- ' '! EE +B' -C'J@C -D' - 'C@ +
$ J% ' ' A > $ -$''S 'Q< +' @C@'+-'E@' B@D'
+B +'+B@' B->,D' @+' J C+' C-?'E> A@ ZA-+'-A,G' ;Q<< ' $ 0
D G' A'@ B' @@UZ E>+' '+'E@'J- E,@' ' EE + ,'B->C A'
@ B'D G
/' ' 11 ,$!' " $)(+B@' @ @A+B' G@ CZ JC@Y
C E@D' EG' +B@' 3- ' , '+-' E@' -E @C @D' ' '
'! EE +B') A' B B' +B@' , AD' ' +-' C@? A'
>A+6 @D' AD' ,,'D@E+-C ' AD' C @,+ B' , @' @C@'
+-'E@'C@,@ @D' , -'$!!) !"0
;MLP)'%- ' $ ';;' -+@' K 5C-?' B@A @' -AY
+C' + AD'+B@' ->A+' - ' ! EE + ,'G@ C' AD' :>E ,@@'
E C@'D +@' SC W ' 7 .'C E, T' '7 U ';Q;M'
O=' @ +B@C' !@ @A+B' ! EE +B' / G Z A-C' ! E'
E +B ,'@ C ' 'A- ' AG'?-C@' -E , . +-CG' +-' > ' ;KOK'
I'Q S ' $ ' $'' 'J' ' 3 G' +'JC- @'>A+-'>' ' ! EY
E + ,'G@ C' -'C@ +'
,V' 11 ,$!' - !! '$ "(- !! ' ') - '+B@' , +'
- '+B@ @ @A'+B-> AD' - 'G@ C ' B B'8-A'+B@' A ,- .G'
- '+B@' @ @A'D G'- '+B@' C@ + -A(' @C@' >JJ- @D'+-' Z
-C?'+B@'D@ + A@D'+@C?' - '+B@' -C,D' '@S +@A @
[979 ' 8 'C) 0 *0" 0 'OQK " @' -A @ G@+B'
+B@' ",@?@A+ ,' C ?@' B ,,@AD' A'+B@' @ @A+B'-C'! EE + ,'
? ,,@A CG' ;K = ' ' ' $!"' &!(SX' B@' >JY
J- @D' -A+ A> A @' -'+B ' @ C+B' '? AG' +B-> AD' G@ C Z
+B@' , +'+B->) D' - ' B BZ +' 'C@J-C+@DZ ->,D' E@'
! EE + ' ,3 ,,-A>?
"@A @'K ;V, +- +6Q'$ 0(! EB +,- ,A-
OQOQ . - ' Z $ 1$, ' (+B@'0@+A. -'+B@'
+>C@' -C'F> , +G' - ' '! EE +B' OK=Q ' . 1
' 4 Z" @' EE + A' C-?'+B@'D@E +@'-C+B@'C>EE@C
! EE%++ ,,D'8 L@ E) < A(Z$0 T' ^ DZ ?@D '
$1 $ 'T) '8 AD'!J' 1 '&+(' 11 3) -' f
0 "Z ! +>C\G a' ' 11 ' *) ' -A@'J'
J- A+@D'+-'JC@ +?'-A'! ? +>CD G Z E' 1$ ' '1)!!M
'E>,'- '&-J@': -)' 4 4 ,,Z'JC- , ? A.Z ' 'C@Y
CD' -C' +B@' @ C A.' - '+B@' J>, CZ ' J,@A CG'
AD>,.@A @' , E,@' -A'+B@' C +')+>CD G' +@C'+B@'
D@ +B'&'B ?' B-'. A' +' ! -' $ 1$ ' ' ')!Q
' , T
5%BO'(B7 '+C' (0'<)' ' '=LQ'5C C' @C>AD'
JJ)C@D' '&C @ +'%$, ' ,,! (AD'! E + A@'&C@ B@C'
A' >,' -C?' OKOM' : ' ')! ', (@+ ' '
E' $ ' f;P' B +'+B@' - .-@EC +@D'A ?@' - '+B@'! EE '
+A@'O>,'? .B+A-+' +-' & ' '/@ '=QL' B@'
@ -AD' - '+B@ @' JC ,@.@ +B@'! EE + A@' AD>,.@A @
+' ' J,@A CG' AD>,.@A @' @ Z , E,@' -A'+B@'C +'! +>CD G'
+@C'+B@'D@ +B'- 'B ?' B-'. A' +Z C@,@ A.'B ?'+B@A' AD'
+B@C@' C-?'&>C.)CG AD -? +6A.'B ?' +C .B+ G'+-'+B@'
*-G' - '"@ +
! E + +'8 @E +X'?(' $ 0 ^ D', +@' '
11 -) ' C' AV C+ ! Z A' - ' + -A' ' - !
; K

\$ ' ' ' ' !! /\$ 5 ? 3' 6'

8\$L

[illegible]

! E E + +') 9! .\$ K\$ ' \$11\$) -' 0

! E E + X + - >' 8 SE + X) : A(' ^ ' A@S+'

! E E + X@' 8 @E + X(Z' 0 , -' U '

E)) ' -' @A*-G' -C' >AD@C. -' ' J@C -D' - ' C@ +'

H<\$' -' 3' ! ! ' '+-' 0' \$)Y 0

! EE +-AZ' +GA@ ' ' '

'! EE@U ' ' D0' \$ YV' ^0 E, ,' C ? '

'! ED C '8 ?ED C (' ^?-D ' A' -E@,'

[illegible]

! E@' ') !

! E@ AZ'! E@ ?'' @@' 5 ' "'

\$1 ! '\$'=* !! +(E,@' 8 >C(Z' %0 \$1 !!) -'

! E@ , A@' ' @@' '

! E@, , ' 8 E@C (' N&&!0 ^?-D ' 8 ?@, A'

! E@, , A' 8 E@ , A(Z' +S,' AD' 10c' &!0 ^ D'

\$ B0 &@C+ A A.' +-' +B@' ! E@, , A ' @@ O('-C'

! ' 10 #A@' B-' @J+ ' +B@' @ ' - ' ! E@, , -

! +E@ , , '8 E@D A(Z' \$0 ' AD' 10 ' 0' ^ ' '

\$1 !!>E ' N' " V' Z' \$ B0 &@C+ A A.' +-' ' .C->J'

! E@, , A ? ' 8 E@D A X ?(' ^+'

! E@, , ? X@' 8 E@ 6 A- X(Z' 0 K\$

! E@, , ' 8 E@ , U(Z' \$0 ^ ' ' \$1 !! ' 0

! E@, , D') ! 9 ./Q\$ ' 10 N&&!0 K\$ '

2 \$1 !! 5('1 ' ' \$1 !!\$' '

[illegible]

0 ' 10 A' >D DA ,' - '+B@' ? ,G' 1 !! \$0

(3-44 - 8 E@ , A(Z' # +' , -' 8 A' / @+ (

(3-44 - 8 E@ E A(Z' N O' N&& ' ^ ' '

! E@, , A@Z' C A+' - ' 1 0

(3- *-' 8 ?E@ E +(' N&&!0 ^ ' '** ? a'

(3-447 <' 8 E@ , - D((' \$0 AD' 10 N&&!0 ^ '

! E@C2' , ! \$ ' 6 ! '

(3 (8 E) (Z' 10 AD' \$0 , -' Q K' [E -AZ

Q K' ! E@ AZ' K' [E AZ' E @ AZ' K <' ! E@@ AZ

E A' ^ ' C EZ' % 1 ' N' "

E' 6 @D' -C' 3 / ' 8 @@' I > -+' KKLV

0 ' \$ B0 &@C+C A A.' +-' +B@' ! E A' 8 A' +B@' CY

! E)) E X) ? (' , - - E? + ?

B @ ,G' A' @CC-A@->' > @Z' -C B J' - ')+B@' B- +' -

! E ? ' @@'

! E , , ' -E ' ' ' ! E> 8@*' C' ')

[illegible]

+! E, @C@) ' 0 1 0 H@00 0 $1! (&
-E >C@ -C . A a T J @ @ - --D ,-A.
E@ ?E>+A-+ - +B U" 8&B ,, J ;M<M(
i! E, @C@ 1 0 ^ 9 $1!E' AD J +2
$1! AD $1)!) - 0H AD J + -C .C @, J +
4QNM A .. 1
! E,G 8)E, (2 $ 0 ^ . $0 i ". 3 O a
/ CU,G2 E, U,G
;KL; $ " $ 0 LLM B@ E,G A- G A ;KKQ
= %) $ &> ! SSS 6 OKP >A@C ;
+C A +C@ ? E,G D- A B-+ " ,,
K E,GA@b C A+ - 1 0
! E - + 8 E-(^5 $1& 8#5 A ;L+B 4&1& (
?-D & CD , $1& + JC-E C@, +@D A -?@ G +-
$ $ B-@2 &C 1 $ @@ V
--D@A B-@ ? D@ - A.,@ J @ @ - --D
B J@D AD B-,,- @D ->+ +- + +B@ --+
$%+> Y 8V +C ' ' > & ! &% & O<<
7 --DD@A B-@ JC-J@C,G ,,@D E-+ ;MQL % ' A
0 & 0 8% ?D@A(;;K E-+ B A. .C@ + EC @,@+ -
E@ D@ J @D +BC->.B G) B@@, ;QMW " 9 .1 . 0 &
"0) L # +2 - @,,- @C@ @@J A. + 6 +B@ / >Y
JB A' E@D B ?E@Ca AD D A A. E->+ ? E-+ +- C>E +B@
,--C ;Q< B 7 $ 0 $' , ;K B@ J,->.B?@A 2
B @A@ +B@C E-+ A-C @@+ +- +B@ C +- U A. ;K=M B
,0 0 8;K<;(<0 % J+C A A +B@ ?J@C , C? @ 2
C@ >?@D +B@ C E-+ AD E ..G EC@@ B@ 2 3)"
) $ $! 2 - E-G A E,-> @ AD E-+
$ 1$;KNN 9 $ ' &' 8;KQQ(MO B@ ! E-+
-C --D@A B-@D A + -A2 +B@ 5C@A B
E U AD - B-@ B A. +B U --D@A -,@
AD T>JJ@C " - - C @ ,@ +B@C
;K=N ' &!0 0 !@C ?$ -$'G & " "@D
DC@ DA->.B+" - +2 AD B@ G $1& 7 +B +B U --D@A
-,@ +>CA D >J + +B@ +-@ 2 S) C$ $ &' $
=L2 ^" @a ->,D A- AD +B@A @ C J C - E-+ ' ? D@
+B +B@ U A - +B@ B AD ,@ . - +B@ .> A B-
/ !0 --D@A D ++ B@D +- JB@C ,
JC-*@ +,@ EG ?@ A - -JJ@C C @+ -C +B@ J>CY
J- @ - U@@J A. + @ @A,G A J, @ A +B@ E-C@ -
+B@ J @ @ B@A D B C.@D2 E ?@+ , >J S@D
EG ?@ A - ?@+ , +C J +- -A , JC-*@ +,@2
+- > @ + +- + U@ +B@ C , A. - +B@ .>A
;KP (A , 0 $ 0! V !!0 SJ AD A. D
,@ A A. E-+ -CC ,@ B-+ ;KP<5 < 66 !!0
$ 08@ K(KM B@ E-++-? "-C E-+ - ,A ; B@,,
C@ B-,,- @D ->+ 1 0 <Q 7 --D@A 0-++-? 2 -C ! E-+
SKM- (& "<) 8SK) (ONK B@ B-+2 >AJC-+@ +@D
EG E-+2 ? G B @ B +) 6 J, @ SK) &T 0 $ (
!@J+ LPP A @.. B J@D E>,,@+2 + E @ @?E@DD@D A
%$* - $, E-+ SKMK %0 &<& 0 E 0) &
& $ B@ >,? A +@ B B J>+ A CD E- CD $1&
A@S+ +B@ B C.@
, 0 B@ C-A B-@ -C J- A+ - J ,@ 89A .B+
0 , 0 !AJJ, 2 ;KK=(H)
JC-+@ + +B@ @AD - ,@ -C -CU A. ?@+ , 4%N 0
0 ;K<;(>++ A. C? +>C@ + +B@ @AD -
+>E>, C E-C A. C-D
4KK= C)1!, * &" L # + =LO B@ G +@? - AU A.
B + 2 EG ?@ A - B-,,- C-A +>E@ B@ >++ A. E-+
! EC @ -AA@ +@D 2 +B@ J@D ,- B CJ
AD > @D -C B-C+@A A. +B@ +C A.
;K<; A) " 0
"@A @ ! E-+@D **!0 $0" B-D +B E-+
SKMb 55. $,-0 $ 0 3 C =0; B@ E,-> @D AD
E-+@D DC @C 4KKP C$!! $!!<0LK >. ;; O %-.-A @ -
.C@ G2 E-++@D 5C@A B?@A <NW $!" &0 OQ 3 \C
= P " E,>@ E,-> @D AD E-++)' . CD@A@)
+! EC ! 1 0 , -P EC X2 P E@C 2
E@C @ ^ &C $1& $N" J JJ,@ - , 1P $
+- @ -A a D@ - + -A -C A > -A
$ $ ' , 0 LM= E@ -A >-C.@!" , E)+ B@ ,>>@D - ?@+@
- DC>A B@ 2 \DC AU@D E ++@C EC X >-C+ U>-@C@A B
B@ ,@ ;==N C &- *0 C$ 0==N ;! EC @2 $1 $, $0 ,L&
!&$ 0QL OS; U +B , @+B@C AD E B@ + @, A
+B EC !1 0" B + +B + E@C E@ @, DC>AU@A >J A
%- +B@ ,@+B@C 1 0" &->C@ +B EC @, E- @A +B@ ,@+B@C
! 7 ECM 8) ED (2 1 0 , -K E C2<)) ! E@C
^ 5 $ 8;Q+B (2 A >A@SJ, A@D ,+@C + -A -
$1! 8#>D A ;M=N; ! J $1! + $! 8A-
$1 +" B@A @ 1D B@ >,+ ? +@ ->C @
JC-E +- E@ ->.B+ A -?@#C @A+ ,, A.> .@ -C?
+BJ A + , 8 (C@ ->AD A ">A. C A 0 1!"$
8 B@A @ J@CB + , $1!$" AD &-, B
0$1!$H +B@ $> A ? G E@ C-? @C? A a
,CG -CD B A. >C @D E, D@ J@Y
,,G D J+@D -C >++ A.
SMK- 8 3 * $' > P 7 +B ?G.--D! E C DC A
2 2 ,- @ +B@ $@E@, + +B@ %B A@) Q & 0 <$ 0 &0
LO<; C B@ %B @ # @C 2 ?@ +B +B@ EC@ A +B@C
AD ;Q<; =) .66 ! & S "@ C@Y
@ @D B ? @, +B@ +C-U@ - E C@ -A B B@ D2 S)
2 8 & 0 $ 0 2 8;KQ<(3G -?J A-A @C@ @+,
C?@D +B J +-, AD EC@ SKK-<B $,
$ S2 ! @ @C ,J C - - ,2 AD E@C 2
E & + -C + 3 ,+ CG -C @
S) + < 7 $!"<; B@ 3 , A@ @ @C@ ,-A. A @
>AD@C+B@C>,@ - +B@ EC@
/ ,CG >A + - ,D@C C?@D +B EC@
;KL< (1 C $ 8;KQK(=K= @A@C ,+-+ ,2
PM2OL< EC@ AD E G-A@+ A+B@ @,D ;K<P H 9 ,
$ $! " $!&& $-*T ;ON !-?@C @+ "@ G
OC . D@] -+ ,J J@C +C@A.+B ;2OON EC@
A ?J,@?@A+ > @D -C C@?- A. >? C-?
+B@ >C @ - ?-,+@A .,
;KL $ C&)!$ "=< 2 $@?- A. +B
EC- D -JJ@C EC@ AG >? +B + ? G B @ -C?@D -A +E

>C @ - +B@ ., 4KL< X 0 P<N B@ E> U@+
U ??@D EG ?@ A - ' -JJ@C+-- ; ,,@D EC@
! $ 1 0 AD &-10" $1 Y,) " ^ $* D*
EC@ E G-A@+2 @ J-A B B A E@ > @D
@ +B@C EC@ -C E G-A@+ EC@ E ,,2 !->+B
?@C A D@ADC- -, J+ A@ E CD - +B@ .@A> [* &
" , . EC@ >+2 F D E,- +B EC@
=1+ >+ -C C ,@ + EG +B@ +C-U@ - EC@
EC@ B2 ! 0 0" +B@ >+, B2)) ! *3
) H EC@ A.2 B>?? A. E CD - +B@ .@A>
$- !&*) 8 AD C@, +@D .@A@C (
4KML % ?$! % ! &% &) OPO 3 AG ?-C@
@C@ D@ +C-G@D +B +B@ EC@ E) -A@+ B@A ->C ?@A
D- @D A>J-A +B@ ? ;KP< ML 60) !@+ " (
$ 0 0 L;< B@ OC X, A ! EC@bE ,; =[* & " ,)
* &,)) +0 ,% <R ! 7 $!" 8;KL<(O;M #A B A
B@@U @C >+ ;KOK 3 = 6 " E!$ 0 =<
. A + :> + @ AD %-A + E,@2 +C@ D ? , AD +- U 2 +B@
EC@ >+ JC-+@ + - 4KKL 3 $ 0 !0
2 B@ J+ A2 +B B EC@ >+ B@@U 95 $-1 0
? , " , !0 ;<0 0 B@ ! , @CG" C+ , " ,,@D ! EC@ B
A %>E ;KKK<) - 0 OPP B@ %>+,
UA- A -A +B@ - + - @S ! EC@ B ;Q<M
, " ?0 = 0 L(==0 O ^ # J C+ - J A+ a ! /C@
B J@D ;K=; C ! " , ! 0 4 4 =OL ; B@ C- +C>? 8-
. " , & , g @CG , C.@2 EC@ B J@D2 AD D@A+ , +@D
-A E-+B @D.@ ;K<P &!!) 8% ?E +
+ " OLM +@C , A. ,@2 EC@ B J@D SKMS < B.
- - 3?0 J =L $-*" !&*) *$-*$" 7 @D.@Y
+ ,@D ! EC@ A. ;K<L) (8 0 ? " ==M B@
.C->J UA- A ! EC@ A.
E ! EC@ +--+B@D , -A2 -C+ .@C2 C.@ @S+ A +
@, A@ ? ?? , - +B@ .@A> =) B ! +B
,-A. EC@ B J@D >JJ@C A A@ , - EC@Y
+--+B $(AD 1 0
SK) & " , $ 0 <N< 0 B@ .C@ + @S+ A + EC@
+--+B@D +.@C $ + 8 $!" $" ? $ " PQ
B@ .C@ + EC@ +--+B@D 6-A2 $, $ &) 0 O 0% : 1.
" $ " E ' 2 " @ J ->C@D +B@ EC@ +--+B +B@
DC .. A. ? A+- B C 1 (2 " +B B@ -,,- @D +B@
! EC@ +--+B B- ?@
! EC@ 8) E (2 0 ^ 1 0 % 52 $1 (H
$ 0 - +C U@ >+2 -C ->AD 7 +B EC@
$>0+ B 0 7 U L<< AD A- G-> @AD
+C--J +- EC@ AD +-E G-A@+> A+- >E? -A + - @ C
AD -C @ O &/ " 1 ! S 2 B@ J@-J,@ @C@
C@D -A AD EC@D $ >/ 0 $ 0 S 8;MQQ(;OL
&-A -AEG ,) EC) +B@ .>AA@C AD + EE) +B@
B-C @
$1 & 0 4KMP . 5 0 .0 0 S S > 8;KQO(,
PN BM !@ D +X ,CG @A+ EC A.+ ,,2 -C @CG + .>@2
+B@G . @ + >J
"@A @ ! EC@+ ^ 5 $1) H(-A@ B- +
D- A +B EC@
SWL+ < & 1 5 ,(8;K=O(=;M 7 B@A ?@A
AD -?@A @C@ ? C@D + 3 A B@ +@C2 D D +B@G DC@ ?
+ , -@ -C +B@ EC@C 2 +B + JC-D> @D A +@C -?Y
J, A @ +B +B@ C ? AD +@
! EC@ 2 -E B ! AD A @,U
! EC@D 8) E- D(2 $0 ^ 0 N ") O a
5>CA B@D -C C?@D +B EC@
;QMN)(8 &%A)$! " 8;Q<0(;MO A
CC A.@?@A+ - EC@D "> C +B +B@C @C @,--UA.
?>+ B-@ SKMM $!" !0 ;M: A Q = B@C@ @C@ +B@
> CD ?@A2 B U@C@D2 ?> +) - D2 J DD@D2 @J >,@++@D2
EC@+" ;KKL 5 : 7) $!,&" 8;)Q(M; "
.@A+,@? A?- + .-C.@-> ,G >A -C?@D AD EC@D
! EC@+ -ED 8 @ +-+ *(, - EC@+ @, 8@2
+ B2 ^ 5 $1 $, D 1!$, ' "
1 ! EC@2 . 1! a $, J- U@+a ,@ +B@C
+B@, > J@AD@D -A +B@ ,@ + D@ EG ,-A.
C-? +B@ -CD E@ ,+- ,CG - \ @+
3 1! ,@++@C - SK 0 B +B@ -CD A +B@ -CC>J+ -C?
O$ ** $ 0 B@ / @+ 2 A -CC@ +,G . @8 E-:+ (
L J * & $ 0 4 4 4 4 J-> B E@,+ AD
EC@+ B@ ;K=; 3 0 > $!! "S 2 +C JJ A. ,
@,,- @ @C CC @D EC@+ B S) I ' 0
$ J 2 B@ -,>?@B E@@A -? A .@D +B + + ? G
A-+ E@+--" > B -C+B@J- U@+2 -C+B@ EC@+ B ;KPK R
-,D @C ? A - ??G EC@+ E@ 4<N4 ,& -$"
Q - PK B@ 9 A.B E@@A .C -> ,GJ,@ @D+- JJC- @
+B@ E-,+ -A - +B@ EC@ B@
! EC@AC 8 EC-C1 ^5C .@A+ A 2 $1 &
V #A@ B- .B+ +B EC@ > > ,G
JJ,@D +- ,CG -,D @C D + A.> B@D C +B@C
-C EC @CG+B A -C U ,, A C
;K=P 7 " = L8 . & &! QQ B@ B> ?E,@C
E>+ A- ,@ , A+ EC@>C C> B@ +-+B@ -A , +2 AD2
C@ >,G - D A. +B@ @@J- B -JJ-A@A+ +C@?@AD->
+ ,2 --A@ @ + B J>CJ- @2 EG +EE A. +B@,> U,@ ,@ Y
+B A + ,J- A+
K :VA,? @ 8! @ EC >A(2$0 I $1) E) AD
@@) a f B. B A C@ @A+ / @+
! E> " 2 -E -C?-
! E>,# @ 8 @E 6- (2 $0 ^ D $)!)
@@ B. B AD " V
? & 0 8! @@ I >-+(
SKMM $ 0 ? & 0 !&&0 $1)!& & .C- A. A ADGJ, @
G B. B A?-D / @+
+! EA,# ! +G 1 0 ^ D2 +GJ@ $)!$ $
-M @@A@S+ AD a ! AD A@ 2
A " AD A , +@C / @+)
! >,#+6 8 @ E), (2 $0 ^ D $1)! 3) "
$1)!)- AD @@ -> a ! ADG -A +A. - -C
E->AD A. A AD C@A @->
J% 7 8 $ 0 8;<NM(OOM B@ > + @C@ -A J >- +G
- +B@ E>,-> AD +-AG / @ ,+ ;MQN $ 2 7 CA@ A C6 0

$' 0 ;NQM 7 +@C2 +C A@D C-? ,, E>,->- 5) 0
" & e ;<L B@ I> A+ +G AD J@ @
- E>,-> ? ++@C +B +@A+@C@D A+- +B@ +@S+>C@ - +B@ , ?@Y
+-A@ ;KOL 9). , !!" !0 ;; OK< B J C+ -
+B@ , AD JJ@ C C +B@C+- B @ . A@D C-? +B@ @ EG
+B@ @ E>,-> ? >?>, + -A ;KK; ,$ - " # + OPO
B@ >+B-C m 7 7 B +@a +@CC E,G -AD - , -A. -C
- B? J, A C@ E>,-> 2 J CC-+ C@ J ++
E 0 JJ, @D +- .C A>, C @ C@+ -A2 J
A +B@ >C A CG -C. A
4MQN 7 1 " &!0 0 4LQ B@ -A@ 7 +@C, G@
+-AG 5->AD + -A -C 5 EC U- ! E>,-> D @ @ ;M<=
#$?$ G * 0 8;Q;L(;QN O + D -, @ AG + C
+ C-> -C E>,-> % - .>, + -A A+B@ $@ A -C 6C@+@C O J%"
&O) - 0 8@D P(;LK< ! E>,-> D@J- + -A A +B@
>C A@ C@ - C-> B C +@C SKKS $ 0 1 , &,(
& 0 4 4 ' L< ! E>,-> ? ++@C ? S@D +B ?>>
$ 0" JJ, @D +- +B@ @C >,> @C@EC 2 -C
.C ++G >E + A @ - +B@ J A@ , E-DG +B@ EC A
= 0 0 % &%./
"@A @ !)EA,-A A@ 2 +B@ + +@ -C I> ,+G -
E@ A. E>,-> ;QLQ A . -,
4 (3E00(8 EX) 0 0 $1) $ $ (
-.A $1)!) 0 @@ JC@ a 5->, .C A>, C
? ++@C2 D@J- +@D A +B@ E-DG2 @ J A +B@ +-? B
4Q4# B.. C $ -0 5 -C0L;M B 3@D ?@A+
@S+CJ +@ +B@ ! E>CC ->+ - @ B-,@ O-DG2 SA /
=) C " ,;<L B@ +@C? % - BG, AD ! !>CC
C@ > @D +- D@A-+@ +B@ .@A@C , >?>, + -A - - @A @
? ++@C A +B@ ,?@A+ CG A ,);KLL L= <&&) "
08@D =(M= B@ , +G -CJ>CJ, B AD .C A>, C! E>CC
+BC- A >J C-? +B@ +-? B
"@A @ ! E SC , $0^ $1) ! -A +A.
ADa2 - -C E@,-A. A. +- E>CC
4KLK L= <&&) " (8@D =(QS= A A, ??+-CG
@ @C J A. A+- E>CC @ @C2 . 8 $0
08;KQ<(;PN B@ ,E>CC a + +@ - +B@ ?> ->?@?EC A@,
(3 000(*- 1 0 $ Ue0 K$ $
O$ $1) (=0 $1) $0 , 8
! $;M L A ! ;MPK A .. 1
(3(00(*7 8 @E C) : A(0 ^ D ?6D
$1) $ 3 -8 M+B (2 A - +-A $1) 3
$ 8A ?-D @A @ +- +C@ + +B AD(@@
JC@ a B@ JJ, +-A - B@ +@D AD + +B@
E-DG AD E +B A.2 C@A + -A
;2ML 2 !- " 9 # E-* , 0 0 &, 0 =K
! E>CC + -A J@ @ - 0 +B A. A A+@A+ > @ B@
E-DG E>C @D A AD AD @SJ- @D +- +B@ >A ;K<=<
! 0 $ 0 0 8@D L(;M KMN $ - 8.
" ,$ (( ) $ & 0+B@ JJ, + -A - B-+ AD @A
,- @D A E .-C E, DD@C +- J C+ - +B@ E-DG
! E*C, ,@2 ! $ -C?
(7@ ! 0 $2 0 5-C*A - 2 L
! B 2 -E@2 L2 %L U2 O2 =2Q U@2 P2 Q U 8P
2 ! U (2 Q J@JC2 3 I ,)$(> AD
.@A + J $,) C -?2 D J>+@2 @ + 2
, + . + -A2 C ?@ 8 @@ D! - >CC A. A +B@
+B JBC @ $,$ $ 11 4B %$ + + +-
B @ 8. @(AD -U@ / $,$ $
T -C+BG - AD -U@ j
E-+B -CD - >C A ! AD A A 8#, @, .(+ +
A-+ >A, U@,G+B ++B@ ,, +@C + @ -C?>, ? GE@-E A B
-C . A2 +B->.B +B >- + +> ,,G E@@A ->AD A ! AD A Y
A , E--U a
&C-J@C,G -A,G " $ $ 8-C &1 +(?-D@CAY
X@D -C? - +B@ @SJC@ -A 8 @@ E- @(> @D A
B C+@C C-? +B@ C@ .A - %A>+ -A CD +- D@A-+@
@C+ A C.B+ - *>C D + -A B B EG >+-?
E@,-A.@D +- +B@ ,-CD - ? A-C2 AD B B @C@
J@ @D 8 ,-A. +B -+B@C (A ,>D@D A +B@
.C A+- ? A-C EG +B@ C- A
- - ;0 8 @@ + $ " 5a 6 - &%3 0 # \&
! + A> B E@A ?@+ - ? -C @ @C+ +@CC ? > A>
1 (A ? AG -B@C J .@ a &!! &%* $! 0 ;P S
@A@ A+ JC@D + " 2 >? ! B \ ! -@E 2 E- \
B@?^@+ a C@J 3 8$-,,(<P ! U@ 8
5C@A C @2 ->C+*> + @ -C @+ -> B@ ->A(4=MN "
0 +C B C+@C - "@A L-a ! U@ AD - 2 +-, AD
+@?@2 AD A A.@A@+E@ @ 1 0 ;N ^@SJ, A + -A -C? a
! U@G J,@G AD ?@AD -?G D-GA.@ G->C ?@A A
G->C ->C+@2 -C $, - IA.,G B) >A@A E2 AD
U@ - - @+@ 4M=; !$ "O== B@
JC ,@D.@ ,,@D ! U@ -C ? A +- B @ +B@ ?@C Y
?@A+ ?B +@A A+ A B - A@ %->C+2 $;) Q 8 @@ Q "
6 7 6V ;KQ= B & (=Q B@C@
@S +@D D@ EG D@ +B B>ADC@D AD ,G)A+ U@ 2
,C.@ C A B @ -C, E@C+@ A E) +B@ >C D + -A
@ +@D A JC +@ B AD B@ J C+ >, C C .B+ +B> @S@C
D @D @C@+@C?@D AD -
!) 8 @U(^ 5 $,-C D > 0 $,,) 8 @@!
1D 3+ A ?-D 2 JJ, +-A a
? &!0 AG A +>C , E , U@ +G +B
?@?EC A-> @C A. A A A ? , -C @.@+ E,@
-C. A ?2 A A ? ,E-D@ $ " $! $, 3
^?-D $,,)! !$ " H ?@?EC A-> J-> B@
-AA@ +@D +B +B@, CGAS2 -C +B@ @ J+ - A - C)
$>&$ = $ 0 8@D L(QQ B@ +@ ! "
-A+C +@D A+- ,@AD@C & J@ ;QKN BCG ? , ^ @@
$0 Oa)$>0% = - 0 < & 0 :" ONP B@
+-C > @D A ?@D A@ ->AD A -C?@D E@B AD +B@
U DA@G ^ A +B@ E@ @Ca O && 1 ? 0 $ - QOP
? ,, J-+ D @CA E,@ >J-A +B@ G-,)' -?J- @D-
??@EC A@->C -A+ A A. > D ? ++@C A B B +B@ @?Y
ECG- - +B@ >+>C@ B U ? K) < &!(
O0= A +B@ @ + C2 +B@ +-? B J) -> ;KP=
B A T 0(0 $ (2 4=L A +B@
?-AU@G - +B@ -,D -A+ A@A+ +B@C@) @ , GA.@
S) ! B 0 0? T T O B@ @? ,@ E@@+,@? U@)

'J@C B)@D' ,@S E,@'HL)' - ' ,U2 A' B B' B@' @A ,- @' B@C' @ . . ' +B@' ' ' ++ B@D' +-' -?@' +@C' @@D' ' $ ' . ' ,'# ' ' -(' %'PP' B@' C ' JJ@AD@D' +-' @C+ A'EC-A B ' C@'A A@' A'A>?E@C ' ;K) ' " (&,(5(! 2 , $!%' $ &'' ' A' B B' A'@?ECG-' @A ,- @D' A' @' '@S+C >+@C A@'JC@.A A G2 E ' A' J, A+ ;KLN). ' $0 " 0'?&0';QL' B@'@?ECG-'B 'A-'U AD' - ' >, C' -AA@S -A' +B' +B@' ' +B +' -A+ A' +' ;KQ< B ' , 0' 0'S'P 6+C >, C 2 A' I> + ' J@ @'^-' @A> ' 5,G +C J' & - $') , *)! H ' E@ C ' ' A>?E@C' - ' >+C ,@ ' -C'

' C$ 0' ' J-> B' - ?@D' EG'+B@' ?-CE D' D , + Y + -A' - ' ' J C+2' +B@' ?@?EC A-> ' @A @,-J@' - ' ' B@CA 2 G +2' +>?->C)' @ - ^%' ' $!' $ ';QLM 0 0' ' .'$(W S+- ' 0' ")0 ,, '=N A' -A @I>@A @'-'+B@'D +@A -A' ' ' ' -C J-> B' '>'> ,,G' -C?@D2' A' B B'+B@' --D',-D.@ ' ;KN)' ') 0' 0 -' +' ^+B@' E,--Da' ->,D' E@' @A+ C@,G'@SJC@ @D' C-?'+B@' A@>C ? ,' ' ;K<< !!1) ' " (0' 'O=L' B@' ?@' B A.@' -,,- '+B@'C@J@ +@D' + JJ A. ' - '+B@')' ' 6 @D'&,,$0 -C' ' E . 2 ;KM< B 'C 0' - 'S 'LL<^ ?-A.'+B@' "-++@AY +-+ a' ? ,U' 'U@J+' A',@ +B@CA' ! ' &* 10' ' ' $,31 $ * %'3! . ' D* ' SKKK $ 0' &) 0'LN':>A@';L' ! E@ C A.' J D@C2 .0' $0' 0' ' ;KM B@'B ")'-C' ,U@)@AD ,@'-, '+B@'B@D ! ' ' 9

E0 (, -' - , * - - - , ' 8% + , +0' I5C ' , + ' ? ,U'E .' ' J@CB' A' @+G?-,-Y . X A.'J@C @C -A' - ' -?@' AD A' -CD a' 'A ?@' ,- ,,G' JJ,@D' +-' @C+ A' ,B@' - ' + @' .@A@C' C& - &5" ' AD') ')!) 0 ;KK=' 4 &'0 $0' 0' D)$,' ' -0=NQ' B@'%C JJ@)' C& - &5" '$' ')!$ 0 ' -??-A,G' ,,@D ! , +' A' +B@' - @C' 3 mVJ ' T' =MM') ' !) ' $' (UA- A' +'&@A -, 'EG'+B@'A ?@'- 'T! B , + ! AD@2' -E 'JC@ 'JJ,@' - ' 9 ' ! - C2' /' ! $ $ 9 ' ; 9 ' ! +C ') = .$!&,$!' E0 0' K ' ! ' -C . A ' . @A' A' ++C@' ' 5C@A B(' 8!@@' " $. SK)' ' 0' %) 0($,$ $'+B@'A ?@' . @A' A' -> A '+-'+B@'- JC A.' - ' ' .C, ,@' AD' 'A@.C@ ' ;K<= ->' /' 0' 2 $,$ $('J@C -A' - ' @ @A @ .B+B 'E, U' AD' -A@ @ .B+B' B+@'E,--D ! E>+2' -E ' -C?'#'[B ' ! %% D@'8 U D(' ^5C a' '*@CU'-C'*@CUG'?- @Y ?@A+'8 A' C->' J@ ' JJ, + -A (SQOQ =+' ' " ,!0($,,$ (A'+B@' ? A .@2 '*@CU' -C' -,@A+' B@ U' B B'+B@'C D@C' . @'B 'B-C @2'EG'DC A.' E-+B'+B@'C@A ' @CG' >DD@A,G' ;KQM !+ $' \' 0' 0' - ($,,$ '85C ('+C-A.'JC@ >C@'- ' ' -, A' E- ' . A +'+B@' +C A. 2 B B'EG' -C) .'+B@?'+-' ',@ @, @A E,@ '+B@' J, G@C'+-' JC-D> @' +BC@@' & ' ,->C' A-+@ ' ,'?>6')A@-> ,G' 4K<0 " 0' &,0' 50($,,$ (+B@' A +)>A+ CG' *@CU A.'?- @?@A+'?'+B@' +' - ' ,,- A. ! - .@2' ! C A. ' 9 ' 9 ' ! +@' 8 !'U)+(2'$/' K $ O $,) ($ $,,) < ' I " A V 2 ?& 0 / , +@D' A+-'+B@' -C?'- ' ' ;KL< % &' ' $0' " 0'?& 0' ;< B@' -A + A+' +@AD@A G' -'+A@'->+@C @C@'+-'E) -?@'W +@' +'+B@'E @2 7B B' ' A-+'>A -??-A' A' +B@' ,GS' - '%C> @C @' SKM' ' $'0'?& 0 A'+B@'!A JDC)-A' '+B@',- @C'J C+'- '+B@'+>E@ - '+B@' -C-,, 'E)-?@'D, +@D' -A' -A@' D@2 AD' -C?' ' ' , ++,@'E .'-C' !' +' '+B@A'+@C?@D' $,,$ '&5' 11&) ($ >&' ') ' 'QM A'&@C J-C>?@'+B@' 'C@' +@ ' ') ' ' ' ' , - ' ! ' - - +@D'$(;K=M' ' !>JJ,2 $,,$ (B A.' +B@' +@C'8 C-?' DC-J G('@A G +@D' S&B -' 3 I) C' 50' 0H0 ,, $) (;KK< 9 7 66' &" ' >' 0' &,0($,,$ (0' ," [9(-C -A+ A@D' A' '?@?EC A->'E .' +%D ! - AU@@' @@' 8 ' +! , TM@-A 2 ' 0' $ 3V'^ ' / @D2 $,, $ 3) - ' >. C' " # V' %-A+ A A.' >. C $% 0 < ' ' 3 ') ' '* 0' 1"' 5* ,(' =L' A'+B@' !+-? B'+B@' $B@>? -A A AG' > B' ! B C @->' 3@D A@2 A+-' ' -CC-D A.' D '! -@B C +D' 8 @U C, (2 10' -(^ ' " > '7 'H* ' ' ' $;K;P' ' '0 !& 0 'OMP' B@'-E*@ +-A'+B +'+B@' D B C +@' A ,GX@D' ? .B+' -A+ A' -?@' +B@C' E-DG' E@ D@' ' >. C ;K2Q' !!1) ' % 0' 0 6' '<=K' ! B-B@C+'C@ -??@AD@D' B C +@' - ', ?@' ' A' A+D-+@'+-'JB@A-,'J- -A A. ! %%, C +@2' $0' $ Y 0 ^'?@D' ' $,, $ 3 -' >. C' i'): f2 A@)+' %+' A' = ' 5* 0' 50' KMM A' $ 0'? (! - ,>>C @D'8 @ "CD+@D(2'$0' ^ '?@D2 ' $,3 , $) - ' >. C'N' " ' 'N')Q V' %-A+ A A.' -C ? D@' +B' >. C' @@+@A@D O> & B. . '+C'? -$'>'C "0'P' -0' \0' 'L;< ! SA?>+@D' 3 S)@C ' O+O ' A' C !0' $' 0' 4 4 4 ,'LOL' B@' B C +@' -D ' ? ?@D +@,G'- -A@D' , .B+'JC@ J+ + -A' S&, ' 'C &0' ('M;'5-C' B ,DC@A' +B@')B C +@D'% CE-A +@' - ' C-A' ' ' ?- +' ,> E,@'JC@J C + -A ! , *) 8 U @ C U(2 2' -T'^ ?@D >. C B ;N' 0 $,, $ D) ' $,, $, $, '=$+' 'D E ' DD' -C?@D'EG'+B@' + -A' - 'A +C ' D' DA' D@S+C- @' -S ,BGDC ' DD ' =C+' $0' ?-A-Y E ' D' -C? A.' CG +) A@' ,+'JC@J C@D'EG'+B@' ' + -A' - 'E @' -A' .,> - @ ' ,), $, (A' @+B@C' -E+ A@D' C-?' B C ' DD ;KNN 0' " '!0' ;KP' OG' ' B@? . ,' !B ,G 2 +B- @' CG + , ' @C@' ->AD'+-' -A +' - ' B C ' D' SK)'$'/' ' A' ? E(' '(-C' ;KL< L= ' ! B C ' D

C +'A-+ @D'EG' ! E@@,@' 'E@ A.' -E+ A@D' C-?' +B@' + -A' - ' D '>J-A' ?> ->'E-D@2 -C' >. C' SKMM ' ! - (- 0 LOP' +- @2' B@A' -S D X@D2'G @,D ' ?> 2' B C 2 + C+ C 2 AD' -S , ' D ' SKMK 9 ' 0' '0 ' ;=L' ! B C '@+B@C ! , C D@'8 @)U CDD2' D(' -0 ^ ' ?@D' ' ,), $ 3) - ' >. C a' / (' A'@+B@C' -C?@D' EG'+B@' -?E A + -A' - ' D C- @' +B' A' DD' C D ," = " (&,0' 50' ;K<Q(' E ' ' -?J->AD' - ' >. C' +B' 'E @ ;KPQ' = . ' ! -0' -0 8;KMO('QK ' J@ >, C'E-DG' +-' B B' B@'^ D, a' . @' '+B@'A ?@' - ' B C D@' S3 ' 9 '+C' < - !'>' $' 1.('(4 2'L;M OG'E@ +A.' D@S+C- .,> - @' +B' 8-C. A (D 2 -?J->AD ' C@' -C?@D' ' B B'E@,-A.'+-'+B@' , - ' $,, $ (! D C @C# 6 !'8! @U) @C< (2'$0 ^ ' ?@D' ' $,, $) - ' 5 $5' ;' E@ C A.' ' -> *' 1 @,D A.' -C' -A+ A A.' >. C ' ' ' (0' &,0 'LKNT3C' " - - U@' D2'+B +' +B@C@' @C@' @ @C ,' B C @C-> ' +C@@ ' ?@A+ -A@D' 7 '5 -' AD' -?@' -+B@C' C +@C ;Q3' , &! &'>' " - !0' 'LLQ' B@' $> A' E@ C' EC@@ B' C-?' 9 ?+ B +U B ' ,-A.' E@@A' UA- A' ?-A.' +B@' B C @C->'J, A+ ' ;<NM C$!!' $!!'< 0 ;< 3 C' = ;' 5@C?@A+ + -A' ,,' @+' A' +@C' ' + ?@' A' ,? - +' AG' B C @C->' , I>D ' ! B C + - '8 K@U C U)T'<A(' ^ ->A' - ' + -A' 'A@S+ (' B@' A +>C ,'JC- @' 'EG' B B' + C B' AD' .>?'E@ -?@' -A @C+@D' A+-' >. C JOX H 0' '7R9' B@' A->'@C?@A+ + -A'JC@ @D@' +B@' @E C ,@ + -A' $ ' ') & . &*' , * ' !@C' ;;' ;O 0' BC@@'JC A J ,'?@+B-D' - ' @ ,@ + A.' +B@' Y B C ' + -A' @C@' A' > @ ! B C ' 8) @ C D 2 @)U C -(2 0' ^ ' ?@D' ' $,, 4 ') - ' >. C' '"F D6 V' $-T' - ' -A @C+' 8 + C B(A+-' >. C $ J+' X ' 0' 788' B@'E@ +'B@ +' -C' B C G A.' + C@A'); K<Q' !!1) >' " 0' 0' 0OQL' B@' ,> D' ? G' ' B C G' + C B' AD'D .@ +' ,E>? A' AD' EC A "@A @' ! B C FC A.' 1!0' 1(8 A' I>-+'$ '10+0' , -' ! - -B C @ '8 @@' I>- + (;KL< X ' 0' '=PM B ' B C G A.' JC- @ ' DY A @' ?> B' I> U@C2 $ &' : 7 ' (, 0 !>JJ,2 $,, $ % (A' JJ C +> ' SC+C@ + A.')C A' AD' J-+ +-@' EG' +@ ?'>AD@C B .B'JC@ >C@)' -C' -A @C+' A+-' +B@' + C B' A+-') C'JC@ ->'+-'+B@' , -B-, ' @C?@A+ + -A ! B C ? @+@C'8 @U C ?C+ *(' ^ ' 5 ' $,3' , $ - (0' C' 155* ' 8 f ' $1) 5$*& "' >. C' i' *$ '?@ >C@' @@" B ' -C?2 + U@A' C-?'5C 2 B 'E@@A' .@A@C ,,G'C@+ A@D'EG' A., B' C +@C'E@ > @'+B@'A ?@' 'B D'E@@A' JJC-JC +@D'+-' 'D @C@A' A +C>?@A+_ ' -C?'- ' J-, C -J@2 A' A +C>?@A+' -C' +@ + A.' >. C'EG' J-, C X@D' , .B+ SKQ=+C' & - - ! ' 'L=< B@' ! @E C ?@+@C' - ' !-,@ ' , ' +-@'JC@ -> ,G'D@ C E@D'D->E,@'J, +@'E@+ @@A' +B@' + - ' -,' JC ? ' ;KKL $' ' .) ' & . &*' , * ' !@C' +'LSM 0' 'J-, C A.' - B C ?@+@C ! -B C ? @+ G'8!I@U C ?@+C(' ^ D'52' $, ' , $ - 'M ' JC@ ' AD'"= V' << 9 * 3 01 4KP4 'V ' $ >' -0 , '&!0 '=L=' ;KPK' 9 ' A' < $ $->'?! ' 0 -0 8@D'O(' =M<' SKK-' $) '4 4 ' LPQ'&C- ')AD-,+ '@SJ@C@A @' A' ! B C ?@+CG "@A @' ! 'B C ?@ +C -2 AS@+C ,>' 2J@C+ A A.' +-' B C ?@+CG SK)' 0'V'$**>' -0 , '& ' '=LP2 B@' C +' ' E 3 ?@+C ,' +@ +' 'JC@)-!@D'EG'O CC@ ,,2 A' +B@'G@ C ;K==' ;KQK' " - !0' -0 &,0 'O;P A ,>@ A @'- '+B@') C . A@' -A+ A@D' A'+B@'!>. C' I>-C' C-?'O@@+' AD'% A@ -A'+B@' ! B C ?@+C '/@+@C? A + -A ! -E A'8) U C >(' -0 ^ ' ?@D' ' $, ' $ 3) - ' -C' < 50) 5$*& ($ 5$*= +' >. C' ' " V ' B@' ABGDC D@' - ' B C ' D' 8/ - @C@D' AD' A ?@D'EG'&D6 .-+' ;KKN2( );KKN" - ' -0 &,0 E +C' OLO' ! B C A' 'A-+' ' +) C' +'D-@'A-+'@C?@A+' +'B 'A-+' ' @@+'+ +@ / ' A' A+@A @,G' @@+' -E + A @' -E+ A@D' C-?' - ,' + C2> @D' A' ? A>+@' I> A+ + @ ' -C' @@+@A A.' +B@' --D' -C DC AU' - 'J@C -AW +-'gGB-?' >. C' ' '3 *>C -> ' AA-A +@ BA D> @D-??-A,G -, C @' 8 @U C A(KKP " ' ' &,0' -(' (M-K S' B@' A @A+-C' 5 B,' E@C.' AD)' +a' A ?@' +B@' A@7' >E + A @' '! B C A@' ,+B->)' +' 'A-+'C@U +@D'+-'+B@' , ' ' -. C 2 E>+' ' ' D@C + @' - 'E@AX-' D' B@' @A+ 'A ?@' - '+B@' >EY + A @' 'E@AX-G, >,JB ? D@' SK)' ? 0' 0' " - !(K: A' <L0 ! B C @A' 'A-+' +C@A @ @A+'JC- >C E,@ ! D DA@8 O@U CL A2V A(2 ,D)) ' ^5-C?@D' 'JC@ ' i' " ' % ' 5 '), $ 'O"' ' $ B0 ' # 2 J@C+ A A.' + - ' -C' - ' +B@' A +>C@' - ' >. C' B C +@C + ' - ' !>. C' S 2$ S) =' . B '<!& & (8) '7+($,, $ ' (E@,-A. A.'+-' !>. C2 ,' +' U@'!>. C' $% /' ' %% , ' 8 &(=' 0L;' B@'?J'8-' >. Ca' -A +@D' - ' @CG'A>?@C-> ' B C A@' %-CJ> ,@ ' 4QL4' 5 & $ 5 ! - ' ' '8;QLP(PL' 3 AA 2 B B' ' A' @ @A+ ,' B C A@' ! ,+2 @ +A.' C-?' +B@' @ @'- '?- +'&, A+' ' 4QPQ ' !! ' ' 84QMN(M' B@' ! B C A@' @@+A@ ' -'+B@' 3 ,+' 4K=4 = R @@A.'+B@'JC@D-? A A @- '+B@' B C A@'JC A J ,@'+BC->.BY ->+' @.@+ E,@ +A +>C@' $ >0 < ' ' &0) , 'S 2 O-C 'E D' A@ @C D A CD,G'+B +' B@' ->,D' + U@' ' , C.@' ,,- A @'- ' >. C2 ?D' B@' 'A +>C ,,G'D .> +@D' +'+B@' B C A@'@S @ @'-' ' SKK-' "< B.)' .$!$ ' 6 2 !B@'JC@ J+ +@D' B@C @, ' A +' '+C@ ,@'E CC@,' AD' >J @' +' ' .> B'-'E, U' B C A@'? ++@C JC@ D'- @C +B@' ,-? ' - $' ' %$ - - ,E &' f ! %#0 >? ,# ' $ +$9 ' (. '+C' - &%>' "'0' $1! ' -0S2

B@' B C A@' @C?@A+ + -A' ' C +'D@ C E@D'>AD@C' +B ' A ?@'+B@' J-A+ A@->' -C? + -A') ++.)' A' @.@+ E,@' ? +Y +@C ' ,@ +'+-'+B@? @, @ ' ;KL< X ' ' =PM B@' Y B C A@' @C?@A+ + -A2 A' B B' + C B' AD' .>?' C@' B A.@D' A+-' >. C' / '%-?J- @D' 2- ') / ! ' ' ' 0' / ' / ' ' (' '1 ' ' $ $,, $ ' ' $1 (D E@+@ ' B C +@C X@D' EG'@S @ '- ' B C A@'? ++@C' A'+B@'>C A@ 4Q4N ' -B. . ' C $ -0' 5E - *0 4N< ' ! B C A@' /C >. B+2 $' ;Q<L'< ' 9 ' !1& - 0 ' 1 0' 08;KQP(LP< ,'+B@'? J,@'B @' B C A@'*> @ ' ;K=P : B) ' ' ' OPQ ,E>? A->' >C A@' AD' B C A@' >C A@' ;KQ=' <) ' L ' $(08;KKN(OQ B ' ,+'B ' -A' D@C E,@J- @C' A' B@ "A.'+B@' -C? + -A' -' !>. C' A' Y B C A@'D E@+@ ' %&') & '? 2 ' ;M' A' +B@'? B A.'JC- @ ' '+B@' + C B- '+B@'? ,+' ' -A @C+@D' A+-' B C A@', I> D2 ,,@D' -C+ + ' -($,, $ ' '$, -S, ' D' 10 ;QK=' B. . '+C'? -$'>'C " (' -0' 0' 'L;;' B@' C@ D>>?' -A +@D'- @ ' B C A@ D' K- ' ' ' -0' ' 4NL' +' C +2 B- @ @C2 +' ' ,,@D' +B@' D' - ' >. C2 -C'+B@' B C A@' D ! ' $@ @?E, A.' >. C2 ' < &!0 # 'C- U' ' C AY >, C' A'+@S+>C@] !) ;KLL'8 @@')V' ;KP=' ' -$!0' " '! 0' ' S ' =NM O@D' - ' B C A@' I> C+X' 4KPK < ' 0' ?&)! 'S 'O=O 7 B@C@'+B@G'J ' +BC->.B' , ?@ +-A@2 +B@G' -?@+ ?@' -A @C+'U' A+-' ' B +@' B C A@' ? CE,@ 3' ?& 0 % - @C@D' +B' , A A .' .C A ' , U@' +B- @' - ' >. C = ' 0' 0' ;K<;(M ' % 0 %B@ ,G' A' J, G >,'-C' C + ' > @ ' ! @@+ 4K=;= ' 0(C) ' ,'7U '8O-BA('<P B@' E>AD A+' ,- ' - ' B C A@' @,@?@A+' ' J,@ >C@' A' @ @CG' >E>CE' SK)'F '7 ' ') 0'? $.%30 8;KMP(LS 1-> ,'E@ B C A@'@A->.B' A' ' @ 'G@ C ' ;KML') 7 ' &' IL' ? & 0 - ' (' ;Q< ' B C A@' ? ,@ E@ ?@D' >J-A' +B@'C-G ,' %->A+@A A @' ;KQ' 3 ' 2&'C!) ' ' ' '<K' B- @' @@+2 ! -+2 B C A@' G,JB ' ;K<N * , $ &'X 5@E' ;M< O - -' B C A@2 ' ->C' B-C+' *>D.?@A+'-A'+B@ @'J-@? 0 ' 10 ! B C A@'? ++@C2 >. C ;K=; 5H[P' 0' - 0'!) 0'F$ &&D$$'$3 B . OOM B@G', @ 2' +B->+' B C A@' AD' +B->+') ' ;KPM' ,)' !$ ' $ 'MQN %B@? ,' A ,G 'JC- @ '+B +' , C.@' ?->A+' - ' B C A@' ' + ,' +@D "@A @' ! -B C A@ B'$0(-?@ B +' B C A@' ! - B C,C U +G2' @@+A@ ;KPQ' $ % $ 0 4 4 'M O ! @D B' +>CA J 2 E@A.' - ' ') B C A@ B AD' >. C B' + +@' ;KMK' ' .1 ' $!- $ S ' 8;KQM(L;L' B@' J-, +@' +C A.@C' D>-> ,G'JC@ @A+'+B@' ' ->'J ,, + @'- '+B@' -A @I>@A+ , B C A G' SKK!' $) '4 4 4 'PQL S ' +C@ UG'D +C E>+ -A' - 'EC A@' AD' +@C' -C' GC>J2'? D' +@C2 A' B B' J-C+ -A' - ' .C@ +@ +' AD',@ +' , A +G' -C@' B C A +G' C@' +B A' B , ' ' ? ,,?@+C@' - '#A@ A-+B@C (DD6(0 -F =--' '[] ! \ B S > '8 X@U) A U(2'$0' -0 ^ ' " ' ' ! " ' # SKK' " - !0' -0 &,0 E +C' ;=< ! B C A ' ' +B@' ABGDC D@2 %@" -# 2 - ' 'A@ ' D2 % " # 2 B B' +B@' >+B-C^)' !)@E,@Ca' ,, ' B C A ' D' ;\<= = B ' , ' = . ' $ %' (-0 ' =ON O $,, $ ' ,'$, 0 ! , + +@' 8 @)U C-+(' '0' ^ ?@D' EG '5' ,- U@C' A' ;K=P' 8 ' $,, $ +(C-?' + ' C@Y @?E, A @' +-' >. C ' ' C' 8 D9SZ V8 ' DkS J-5 >@ C ;' ! a' '.C A>, C2 ? @' ? A@C ,2 +' C@' C@C@CC@D'+-' AD@ +@2 E +'A- ' -A D@C@D' ' ? S+>C@');KP< ' 7 ' $' 1.0' < &!0' - X($,, $ 0'H" ->AD' A' @A' A' @CJ@A+A@2 A' +B@' BCG -JC @' ? A@2 A @C' 5C AU@A +@ A' A' ! ,@ ' 'SKM' ' '0 ;QP' ! B C +@' C@ @?E,@' ' .C A>, C' C D J C2 - ' ' B+@' -C' .C@@A B B+@' -,-C ! S B C @2' $ 0 ^5-C?@D' 'JC@ ' +' a' ' ' -'>AD@C.-' B C A@' @C?@A+ + -A nS)'< 7 ' $' ' ; ;Q<'&--C'+ +@'6@ , I>-C' %V+-A ,-A.'D@? AD ' AD' B .B@' +'+@?J@C @C' +' B ' CX@' & (' 'B-J@D'+B@'C@ D@C' ,,'J CD-A'+B@' A+C-D> Y + -A' - '+B@' @CE' B C X@)"@A @' ! - -B C S + -A2+B@' -A @C -A'8- ' + C B(' >. C' B &$!'' $!! ' ," ,!(0' H5* H(! B # '8!K@U C (2 - ?E2 -C?' - ' C' 3 4N&# ' >. C' -C? A.' -?J->AD'8> > ,,G' C ++@A' +B'BGJB@A(' +B'+B@' @A @'J C+,G' B C A@' AD' J C+,G' 8 -?)B A.' , @(' ' -A+ A A.' >. G' AD' 8 -?@+B A.'@, @(L JOX SI' '3 B A.' '+B@'-J@C +-A'EG' B B' +B@' -C' @S+C +@D2 C-?' +B@' ? ,+2 AD' B@C@EG' B C- ?> 6 . A->'@S+C +' '? D@' C-?' ' 61 0 =N4 B@' B C- + C@EG' ? ++@C' ;K=0'$ ' ' ! - 0' - 0 8;K=<(KSK ! B C I B>? A@' AD' B C- B>? ' D' ;K)' $T' $ '4 4 4 4 '=LL' ! B C- -,,-D ' ;K<M '!!1) ' " (0' =NQ ! B C- C A @->'@,@?@A+ ! B C- D' 8 X@U C-D(2' $0' AD' 10' ^ ' C' $PV5$*3&C >. C' i' 3 0] ' ' &10' " A. ' ' .C A>, C'+@S+>C@'C@ @?Y E, A.'+B +' - ' ,- A. C ..'C ' ,0'< &!0 'A' ! B C- D' .GJ >?' 1 T' Q<' ! C B C-,D'! B C A@' 7B@A' ' +-A@'B ' '+@S+>C@'C@Y @?E, A.'+ +' #' ,- >. C' KLL = : . . 1 ' A' ' ," (&*0 8;K)P(,' PMN +' + ' C@I>@A+'B .B' + +@' - ' .C A>, C' -C' B C- D' CG + , X + -A' ;KMP 8' +C' C' & ! '1 %(C ' 'QO' ?@ +-A@'E@ -?@' .C A>, C' AD' $% B ASD] U' ' B A.@D' A+-' ? CE,@ 0 ' 10' -(' 8!@@' I>-+' ;KMK (' E ' ' Y B C A@' >E + A @ XKMK' 9 ' 0' -0($,, $ & ('A ?@' . @A' EG' 9 A@'+-' @@+ B' >E + A @2'JC-E E,G' D@A+' ' +B' -C A2 JC-D> @D'EG'+B@'D@ -?J- + -A' - ' "@@C@A 'J @>D- @CG+EC A

8@+BG, -C @,, A +@(+KK $) - / @ QLK O -A
A +C- .@A-> --D 8 +@ C- D AD B C- D (
) = ./ $ K
$ H 'O$L C $(
KLK 7 5 8 0 " $(@+ OM , @ B ,U
AD>C +@D2 - ? J +2 . C A>, C2 -C B C- D ,2 + +B@ --+ -
>C> ;KP +C 2 ' 1&! % $ (S L<;
7 @ BAD , -) B C- D , , ? @ +-A@ A .A@ - +B@ ? - +
A @A+ -C ? + -A KML $ ' (< & LKL 5@CC> . AY
-> EC- A AD C@D2 - C @2 C E,@ AD +-A@2 A - ? @
J C+ B +@ AD T B C- D ,
) 9 .$ K $, $ S
[*&3 T =" >/ > $ " .
:$ ' 2
!2 3 2D
$! 1
! 1 $
;QK= :) =0 ! + !+ + + , D ? +@ - +B@
3 +@C , - OC@ A . 2 B- A . +B@ > @ - +B@ ! B C-
? @+@C) ;KLM =;) . - 0 8@D P(;OPQ A A +C> ? @A+
A-+ I> +@ -CC@ +,G ,,@D B C- ? @+@C2 A @ + A ,>Y
@A @D EG ,, +B@ -A+@A+ - +B@ -C+2 AD A-+ EG +B@ > . C
-A,G ;KKN , =L == 0 O= e O; B@ . C +G - +B@
-C+ -C B A E@ @C+ A@D EG +B@ JC@ C +) D Y
B C- ? @+@C
; $ S " $ 0
$ %% ' . $ - 0 0 0 8;KQ;(L)O A @,@. A+ AY
+C> ? @A+ ,,@D +B@ B C- ? @+@C2 EG B B +B@ I> A+ +G
- > . C -A+ A@D A . @A -,>+ -A @C+ A@D EG
3 ? J,@ A J@ + -A - +B@ + A+
?) U ?= 8 .$ K
$ H 8+G*F$L G
" 2 $
;KQ; " ' !0 ? & 0 4 OLL 'J J@C -A ! B C- ? @+CG2 . A .
+B@ C@ >,+ - +B@ D@+@C ? A + -A - > . C A > . C E@@+
V 2) N W = A.$ '
A 2 $ K O/ / , $
H *0 V H $L ' 2 =
/ 2 W D
/ $ 2 $ ' $ 1(
;KQL 0 8 & ' 0 & 5 " ;KP B@ G@ + J,) +
8 B C- ? G @(;KQ< ' , " ,!0 ? 0 4) 7 @ +B@A m @
+B@ , U A B ? E@C U@J+ + +B@ J C+ >, C +@ ? J@C +>C@
B B ? - + ->C E,@ +- +B@ D@ @,- J ? @A+ - B C-Y
? G @ ' B@ B C- ?) C @ @,, ,, ? >,+ J,G +
.C@ +@C C +@ +B A +B@ -C@ . A @,, ;KMO S +C $, T
(O=< B@ . @A> $,, $ & - ", 0 B B > @ +B@ ,Y
-B-, @C ? @A+ + -A A B C A@ ,> D 2 -A + - @J
C +@ @,, - A @,, J - D , -C ? 7 +B ? - -+B AD +B A ,,
) = ? ? .$ ' $ - 0
K $, $ 6 8 (Q = 9 -$L
:$ ' 1 2 S ! ! !2
(6 D S
$;K<Q " 0 & , 0 50
; $ ' 2 " ! !2
$ A C@ @A+ / @+
) R ?.= .D $! - 0 K / *
> ' * - H $L / 3
6($ $,, $ & ' , $, !2
(!2 $
;K<= A = B \ = . $% T (- 0 =O; ;
>) = @ .$ - 0 K $M $ 0 (?P9
& H +$L ' 2
3 R?
;KQM +C , E0 ' - ' 0 LO ! B C- @ -C A@
> . C B A . @D2 B@A BGDC +@D2 A+- + - - ? @C ? -,@Y
>,@) ;KKQ ' , " ,!0 ? 0 4 4 MOL ; ! > . C " A -
-,,@ + @ +@C ? -C + - B@ ? , . @A@C A ? @D B C- @ %
8 ,, % O "OO # A(AD . ,> - @ 8 ,, \ * # (?
> X ? ./ $0 $ 0 K $ O
$,, $ 3) - H $L / 2$ *
SK) $ ' , O; 3 C QKQ O B@ C) AD @E C->
+ C+,@+ ;K<Q) & , 0 50
) 9 ? .$ K $ O $,, $) -
' J$L ' 3
/ 2 ! 1 $
$ JO X L<Q A B B ? S+>C@ +B@C@ E->+
-A@ + @, +B J C+ - -, D B C> ? ;KKP , % =< 0
2 P; e Q ! B C> ? 2 . ,> - @2 -C -+B@C B C A@ >E + A @2
) ? 9 ./ $ - 0 K $
$ $O/ $,, $ 3) - H (, " $0(2 I
2) ! - ,H E 3
/ $ $,, $) - , $, (
!2 ! 2 ($
^;K; 6 @@ I @T V ;KQP A ,E > 0 - 0
AD ! >JJ,
/ ! $ 9
9 $ - 0 1 0 ' /
K $ * 1 * < . '
$
;KNQ : = B " 0 - 0 QPP AD@S2 ! B- ,
+ +@ b S OMK ! - + +@- ,@ D SK M
' ! - 0 - 0 =;Q . @A>2 - ,+ B B C@
,,@D $,, &!$, $ -C $, !$, $ 0
9 / $0 - 0 1 0 ' *
O' >G $ K $ $ $,, &!$, D) ($ $,, &3
* 1 ,) 3(!$, ? .
$,, &!$, , $, ( )
.$
4Q<N : +C $ & ! - 0 - 0 OK; B@ B-Y
, + D D - @C@D EG ! B@@,@ SK M ' ! - 0 @ ' `
;< ; ! B-, + -C ? > D
($ - 0 0 ' /
& ' 0 $ K $ $ $,, &!$ $ $,, , !=$,) .
' G+ $L ' >> G ' ' G+/

4Q<N : +C $ & ! - 0 - (OKN ! B-, + -
, ? @ SK- 2 - 0 & - ' , !0 LO !) B-, +@
;KNQ - (8@D L(2 LNO B@ - ? J->AD
B B + -C ? +B @ C+B 2 ,U , @ 2 AD ? @+ ,, -S D@ 2 C@
D@A- ? A +@D $,, &!$ 0 Z \ ' ' 0 C !& 0 OQ- ! -, +@
- ? ? -A ;KS<) - 0 =LK ! B-, +@
) ;!9 ./ $ - 0 K $ O
$,, $) - + S " 1* @ . $,,) ! - ,
$, ! !2 1
$
;K=O ^ @@ B . V $%&% & 2 ' > - 0 8@D Q(LP=
6 , ? D2 +B@ B>, ? D - @E . 2 D -, @ C@@,G
;K<= A = B \ = . % $ T 0 - 0
) AY .$ - 0 ' $
K $ O $, 4$) - + H A " . ' ! 1
! !
!2 $
$ &A : - 0 . ' 0 8;K=<(K;Q 7 B@A > . C +@D
>J-A EG @CG D ,>+@ D + - EC- A >E + A @ C@
-C ? @D 5-C +B@ @ E-D @ +B@ 05, P $,, .) ! - ' P ' $,Y
,) ! - , $, ? G E@ C@+ A@D ;KPK & - T - 0 8@D Q(
LP= 0 G , -A . -A+ A>@D E- , A . +B +@C2 B>, ? D
! -A @C+@D A+- B>+ ? A
S) 9 ? ./ $0 ' $ 0(N&& (
? & (K $ O$ $,, 3) ; H% ! H P $L
J $
SKK- A 9) * %!0 ^0 -+ a
) = 5 ./ $0 K $ O $,, 3
%& ' ' ($ $,, 3) N * " . 3
D ? $
;KLM C ' ' " " , !0 L; ; ; B@ -C ? EC A@EE@ - +B@
D KMS ' B . +C &D) ' $ ' & ' S LQO
A-+B@C A ? , E@ - ? @ D@ @,8 " V@D2 B B B) B@ -C ? -
,- - ? -+ @ B@ @ G->A . -C ? , C @ -A+ A>@
+- , @ -C @C+ A + ? @ ;K<N A> 3 & " $! 4=< B@
,EC@ - +B@ D> + E@ - ? @ A C@ @D AD +B@ C +@C ? A ,
J C+ 2 -C A 2 E@ - ? @ D , +@D AD @D -C ?
) ./?$ $ Y >0 K $ O$ $,, 3)
H - + N$L > $
C(: < ' ' ! 5 0 S, 8;KPM(LMM B@ +A@ @ . @
+ + -A - +B@ -A @C
) ! ? .$ K O/ $
$,, &3) ! $, 3)] D
$L ') - $ $, 3
$, . D $
;KPN > # - 0 K \ < $ ' LN / @ 2 ! != ; B@ !
-, E > ? C@ , - +B@C@ A . C@ + A> ? E@C
> >> S) ? Z .$ ' , ' 0 Y 0 ($ 0
' $ [/ , & '
) ? ./L C
;QNK A B -A & , 0 % A0 ' ' ;LP ^ B@C@ @C@ +B@
, @,G # >, a C@ DG +- ->AD @ @CG & ,, C +B +B@ C 8) A@ 2
+B@GJ 3 EG2 @ +B@C A @C 2 % C+2 -C ! - ? ;QM;
. " $!& % 2 7 @ ' ,, . - +BC- > . B +B@ B- ,@ @S@CY
@ C+@2 + @C @2 3 @ . - -A2 % J+ A ` ;KK< . : S
!$. QO A I + C+@2 + @C @2 -C - -A2 +B@ ? @ B-,D . - -D
) & = ? ./ $ K [' ! H * <.
! $
;KM; $ < $ \ 0 ' - 0 VE 0($! ' 0 =K B@
@A@C + @ JC-D> + C@ ,-D . @D A >, C @ @ 2
,# !+# ' - 0 % A+C-D L= B@ C+- >, C B J@
;KKN : 7 7 7 ? ! L=M B@ D> + ? G B- >A -C ? -C
>, C D , + + -A
= $ 0 K $ O$ $,,) !$ 3)
) / $,,) 3) / ! . H * .
5 E $ \
L% [A < B . $ - 0 LMO B@G @C@ , - ,,@D !
% > E A E@ > @ +B@G ->,D B C ? AD -A @G +B@
? -A@G ->+ - -+B@C J>C @ A+- +B@ C - A@
) ? ? ./ $0 B> , *
* N/L C (
. . ' - 0 % + ! B@ >, +@ B C +@C
- +B@ D . @ + @ +C +
8 @) U) ,) +) D) K $
H JE:$L > 3 $
;KLP M & " , !0 ' $ 0 OON O B@ C > ? @C@A @ -
@ B - +B@ @ @ @, D +@AD@D A+- +BC@@ >, +@D
J-> B@ SKb = +C . & $ >) ,) ! (QN & + @A+ A
B- ? +B@ J,) C + ,> D @S +@D A >, +@D -C ? SK)
9 7 ' - 0 % ;N A +B@ U A . C- - +B@ B-,@ @S+@A+
- +B@ +- ? B >, +@D 4K<Q !!1) G " 0 0
=LP A - ? @ @ ^- JG-A@JEC- ? a +B@ U DA@G E@ - ? @
- ? J,@+@,G >, +@D
8 @U,b, + *LA(^I . "X " "
* . G 3
D $
;KM< C $, " ' 8@D L(PN< / +@A+ -A
AD >, + -A - +B@ -,-A ;K<K ! - > " 0 0
QN >, + -A - ? ,, EC-A B> + ,,G @SJ C@D +-
A > ? >, + -A - @ C@+ -A D>C A . J@C -D - + CCB
) ? ? .$ K ' A "
>SO: $L ' / 2 / ! D $
1 3 !
3 ! $
;KLM < & " , !0 ' $ 0 PLQ + B@ - ? J-A@A+ J C+
- +B@ ? @ ? EC A@-> , EGC A+B ^- +B@ @ Ca C @ S B@
- ? ? -A A> O B@ ? @ ? EC A@-> ? J> ,, L B@
> ,@ ;KKN ? $ ' QM A , - @ C@, + -A +B
+B@ J@D , . A . , -C . A . , -A2 +B@C@ C@ + - ? A>+@ Y
> ,@ +-) B B A >D +-CG >A + -A > > ,,G C E@D
;KKK . . , # ' - 0 % =M= + D@ @,-J@
+B A 2 B B +B@A E>C + 2 D ,- A . 6 C . @ C ? +B
J@ >, C > U@C 2 AD +@C ? A , >,@2
9 >> S $ 1 0 $ Y =$ K $ O$ $,,) !3) 1
* 8 . % , , C
;M<= 9 , * 0 !0 = / CG , ? -AD % U@ 2
C@ > @D EG - ? @ 0 CE@C 2 A ! @@+ +@C 22 ! >,@+
AD 0@ >+ G A . 3 @D A@

) ? 1 .$ N&&!0 K O/ $
$,,) !3) ' >>S $L ' /
! D
$
;KQM ? ' ' - 0 C$ $ B@ j ? - + A . >, C22
- ,, +B@ @ DCCB J@D@ 2 C@ +B@ 6 2 B B JJ@ C >AD@C
+B@ + , - C E -C +B@ ED- ? @A - J) >C 2 AD B B X- -,-Y
. + D@ . A +@ >AD@C +B@ A ? @ &@,+- . +@C -C ! >, A
1 (98 >C -> - J A -A +B + +B@ &@,+- . +@C - +B@
& . >C> B E@ - ? @ ! >, A -A +B@ C E +B@ B- +
B A . E@@A +C A -C ? @D2 + -,G+@ B D-A@ +B@ ? @
+B A . >AD@C +B@ ? @ A ,>@A @ ;KKL " B) $ 0
$ 2 ' * 0 0 8;KK=(L=4 B -C . A ? UA- A
+- +B@ A +>C , + ! >, A
) ?9 (? ./ $0 K $ O $,3
,) ! ' ($ $,,) !3) ,
- + $L ! *
4KKL) B) $ 0 $ 2 ' * 0 0 L== 0>+ AY
+@ D - C A . +- + - JJ-C+>A + @ 2 +B@ >, A@ >J, > 2
B A . C@ B@D @C+ ? A J- A+ +>CA@D E U
, ! A , > 8 @ U)) (5 - >, 8 N@ ,D) D (
^ D D ? - $,,) A V
$ ' !)
" $ %M&<.$ 0
%AO B ' $ 0 !0 ;; 2 ! > 6 -C, ++,@ E . . @
B) CE 2 AD +B@ , U@ JJ, @D +- +B@ E@ D SMM 3 . .
0 ' - 0 =) ;ML JJ, @D +B ? A+ AD ->+B@CAY
- -D A ! >,> + B@,J 2 J A@ ;M<L +C ? !$ ' , $
C . " 0 0 8@D O(2 $,,) ! . ' $! (@ @C , ! ? J,@ 2
-CD A . +- +B@ +>C@ - +B@ / @ @2 - ? J->AD@D AD
E@ +@A +- . @+B@C2 AD + @D + J A ,6 +,@ 0 . 2 +- E@ JJ, @D +-
+B@ J C+ ,@ +@D
; $ ' $ 0(? &!0 I
$
4Q=K C !0 $ ' 0 4 POK 6 C . @ ! >,> 2 -C ? @D ->+
- +-@ @CG %- + - +B@ A+@ 6 A@ S) Q =
- 0 8;KMO(P;= B@ - , JJ@ C +- @S + C@ DG -C ? @D
A +B@ J, A+2 E@ B . @A ,- @D A , ++,@ >, ;KP< ' B L .
, $ ' , " &0&$ QN ! % > " +B->+ +A -,> 2 AD @ADY
A . A A . , @ 6 ? @A+ " B3 % $ 0 ' 0 ' - 0H ;=;
A +B@ $! " , & * . & 0 0 - ? J,@S -C . A +@C ? A +@ @ B
6 +@C , EC A B - +@A+ ,@ B -A + - A @,-A . +@D
>,> 2+@C ? A +@D EG + - , ? @A+-> JJ@A) . @ (
!!1) G " 0 0 <QO # +@A +B A 6 G@C- ? > ,@
JC@ D - @C +B@ B-,@ >A @ - >,>
/ ! $ $ #
;PQO $ 0 C& - %& - (SSS ONQ -D ,, B >@ B
,,2 E>+ ? C2 5 ,, ,6+ -C B@ @
/ ! $,
SSO) ? ? .$ $) ? .
[O$/ $ $, 3) - / $ $, 2$L
:$,, !0 , 0) " $ %] $.
$ +% # . . 8 1 0 ' 0 , . 0 [;< A +B + B>C B
^ 7 A B@ +@C % 6 @DC ,a A >AC ,,@D @C @ - @J>, BC ,
@,, ;K=O < 8 . 6E 0 ,- 2 $, !!E - 000 $ -,D
B>C B C B +@ +>C@2 +B@ +@C ? . A @ ? -A> ? ? + , B J@,
+B A B>C B2 , - ? ,, B J@, 6 ,, . @2 $ O /
' & 0 ! @C 0 . &) !&) (, - @ ->A-
+B + @C@ B- CD - JC- @@D A- AD +B@A C- ? C @ 6 +E@C '
$, E) - 0 KKS 7 & , , ;MQ ' &
@CG E@ >+ >, @,, > ? 2 +B A ,+ C A +2 -A +B@ ->+B
D@ - +B@ B @
; $ & - $ ' ' (' / I
2$ ' / " $ %] N$
) ' C& - $ ' $ =< B@ & A+B@-A2 ? G E@
8SS D@C@D J, @ - @ + A . >AD@C +B@ JC-+@ + -A -
- ? @ D@ +G2 B-2 C- ? B ?) @ @,@ +@D @6>? 2 >JY
J- @D +- J +C-A X@ +B@ E A * @+ ;K=O < 8 . , - 0
,- ! 2) $, E) - (0 ? ,, @,, 2 +- -2 @C@ > @D ? -A .
+B@ . GJ+6 A) ++ B@D C@ I >@A+,G +- +B@ , C . @C +@ ? J,@
;K=K $ &! 2 ? 3 @,, > ? 2 -C A@+-0 @ ? >
= $ $ U 0 * ' 0 $, & &, (?0 0H 0
$,) - . % !
;KO< 8: $ V C 0 = ? 0 - 0 LQK A +B -AA@ Y
+ -A2 -C ,, A @ - +B@ @CD- @ AD @ ? J C@2 +B@ %B>C B
E@ - ? @ + @, @ >, C X@D
! @ C D - - G) 9 ^ .$ K $ O$ $, -) '
2 / / $, & 3($, D
($L $ G /
/ 2 / !$ ' 2 $
; M P Q) 3 . 0 ! 0 8;KPN(O; AD - + -AY
+ A>@D + ,, +B@ @ +) D- G S@D AD -A A@D
+- C-A AD B J- +@C +G ;K=L % 9) 8 ^ I & * 0
' 8;KPN(;MQ @+ B ? +B@ 0 B-Ja ? ,+@ C@ + +>+ -A
,@ + >AD@C JC@+@S+ - @CD- G +B@ JAD@ - J- @C B->,D
C@@J A S \ = $ 3 3 . 0 ' 0 5$ - (8@D O(
,- " @ B@,D +C>@ AD C@ , @ + , @CD- G +- E@ -A
+ +>@A+ J C+ - +B@ ,@C , B C +@C ;KP; ,, ! &!&
4 ,, OQ= B@ @CD- G - +B@ B-,@ ? B A@ E@ A . A
@ ? A + -A C- ? +B@ . C @ - &C@ EG+@C A JC@ B@C
;KQQ = 1 0 $ ' $) >) &1 & 0 QK
+@C +>C@ C@ ? A@D @ @C +- B@C ! @CD- G
! $ *@ CD - 0 1 0 K . G O
1 G . " $ $
$/0+ < 0 ? $, & ' SO -2 A-2 ->+ +B G->C
E, D@ 2 AD B ? J@C +B@ @ , D@ 2 AD+@ B +B@ @) @CD- 2
+B + +B@ 0- CD- C@ ? @@+ -C +B@ ? @,>@
= $ B& ,) !$ (K $ O$ $, & 3)
(. 1 & $ 0 > $ $ ' , & fH
$ E 3 2 D G /
/ ! $
?
$ /O 7 66 A , &!0 N E$ ' $; ; =$ B@
" @C@D + CG ! @CD-+ . @ - " @SB ? ;KQP 7 0
% " - ! 0 8;K<Q(LKO 1 - >C C@JC@ @A+ + @ ,, B @ B CJ@C
+C @ +B +B@ ! @CD-+ . @ S I 7) & - = "
8;KKP(OQ J@-J,@ ,,@A @ C,G A+- + @CD-+ . @ AD
JC @ +,G @ -AD B ,DB- -D
) A ? G ./ $0 0 '
_ & ' 0 / $ $ $, & $!($ O$ $, & ! (

$, 3($, ($, 3($, B-,G2 C@D
8A@A+ J $, $ C @ (i %%3), >+ C - $3
A $ +-. @ B@ @+G?-,-. , @A @ - +B@ E
+B> F -A@ B- - @C C @ ' a
$ B0

-C E@,-A. A. +- +B@ JC @ + -C JC @ +B--D
- -C J@C+ A A. +- JC @ + E@ ++ A. -C B C +@CY
+ - JC @ + JC @ +,G
,$&++ = B) 3 8;KL:((2 MM B + %G+@@ mS 2 EC-Aa
, - ! @CD-+ ,,@2 +B + +- @GA@2 @GA+> C @2 - +B@ C E@
- :>D);=PN &) $!)$, &' ' 5 B A @A @ -E,
-AA@ -+@ @CD-+ ,@ ;P=Q?.0 $,) ' , + E2
B@ % EG B-J - ? A ->,D + +B A B@@
@C@ B- @A $ *) B@C@EG ? +B@
@CD-+ ,, % C@ +@2 \ ? AG -+B@C +BGA.@ BG B@ -C +B
+G?@ ,@+ J ^@+ a ;MLK 7 8 $ 0 O= &@C>. 2
! @CD-+ ,, A >@C +G ;M) #B B C$ ' 0 ' , ' ;Q<
-A >, C2 @CD-+ ,2 AD +C >?JB ,, , ? "@ ;MP= $
%-/$ # +C 6) E ', [[0 OKK B@ &C @ +@ 2 B A. -A
B@C +B@ ! @CD-+ , -CA ?@A+ ;QLQ 9 .) B (
&, 0), $ "(7U ;KOL 2 <L B@ A @A+ 5 +B@C
C@ + ,, ?-C@ J C+ >, C A @SJ->AD A. +B@ @CD-+ , -A
@ C + -A2 AD +B@ / A@ A + + -A -A @I>@A+ +B@C@
>J-A QL< *&!0 8;QPM(2 - B-,@C U @CD-+ ,
A -,@A @ K S $ $'0 ;; 2 B + @CD-+ ,
+B->.B+2 AD A-+ -,D @C ;KLK 0 0
8;K=M(A+C-D ;N &C @ + 2 CC G@D A +B@ C @CD-+ ,
C-E) A-+ >A C) I>@A+,G ,@D +B@ C? @ +- E ++,@ SK) = K
6 1 (' 0 LOM B> +B@ @CD-+ , - +9@ ,- +
+ ++C + -A - +B@B .B@C , @ KQ=< & 0
e L =KK B@G B D A-A@ - +B@ @CD-+ , AD@J@AD@A @
B B $-?@B D + AG C +@ JC@ @C @D
& - 10 $ &/ B $'. > 0 %0 Q B@D@Y
+C> + @ -C @ B B +B @CD-+ , ? ,+ CG + +@ B D
@C+ A,G A-+ E@@A E,@ +- A@>+C , @ -C D@ +C-G2
!$ $
MKX M : 0 % 8;Q=Q(OOL "@ ! @CY
D-+ , 9 A.2 2) 9 A. +B + B-,D B $@. , &- @C A +B@
C .B+ AD @C+>@ - B &C @ +,G A+@C @) -A KQN .
& $ 5 (" -CD B J @CD-+ , -C +-C - C@J>+@
/ - - +@A > @D +B@ @J +B@+ - D- +C A@
+B + @C+ +B@ @S +@A @ A +B@ %BC + A B>C B -
A -CD@C - JC @ + B C.@D +B C , >A + -A
AD A @ +@D +B >J@CA +>C , J- @C +C A ? ++@D
+- +B@? A -CD A + -A
$ >$ = . 0 ,0 !@C ; $!"! m;KQK(;QL + ,@D
+- +B@ C ?@A+ , AD @CD-+ , D@ @,-J?@A+ - A.,
A ? $ $ & = - 0 8;KKP(;MM " .B @C
D-+ , D- +C A@ @C@ -J@A,G JC- , ?@D j
10 I% ?@D $, & ! fH &C @ +,G
>A + -A
$ $%&+ # .. ' 20 $'' . F M=O(;LL ! A @ +B@G ? D@
+B@ C A@ - @ -C @CD-+ ,,2 +B> +B@G ? U@ +B@ C % +@
B>? A@
"@A @ ! - CD- + G +! @SD-+ ,) -
, - + ! @CD-+ 6 +G2 JC @ +,G B C +@C
)SMMK " = 0 $!(2 S 8;Q;L(==Q C !& B +
, - \C+B@C A+ A ++-A - +B@ C ! @CD-+ , +G
. -, 2 $, & $!' (&C @ +9A@ 2 -C U@A@ +-
&C @ + ;KLM ' 8) 0 % ("@ B ?- + @C
D-+ ,,G J>+ D- A ,, +B@ *-6 G 4KM= $
7 BG D-@ A-+ -?@ @A+ ? A2 ,-+B A. B ? @, -C +B@
?-?@A+ @CD-+ ,,G B@ @ E U +B@ B C.@
(D<0<7*74 =1) @ ? 9 A9 .$ K$ '>+7
E G'O$0 H 8$L
2 B@ @CD-+ , !J C+ -C G +@? +B@ JC A J,@
-C JC + @ - +B@ JC @ +B--D %B @ ,G A >A ->CY
E,@ @A @ &>C > + - +B@ A+@C@ + - +B@ JC @ +,G
-CD@C A -JJ- + -A +- +B- @ - +B@ , +G >* D>@
>?J+ -A - >+B-C +G -A +B@ J C+ - +B@ JC @ +Y
B--D
;K=Q') 9 ! $, & $! -(+B@ J C+ - +B@ JC @ +Y
B--D SKM- " 0 9 . A 0 0 ;PN @, +)
@CD-+ , ? ?)+ @@D A U@G A. J@ @ +B A +B@
,, - @?J+ @D B>C B@ 4KM< C $!! $!! <0 Q : A =
J@-J,@ - ?E>@D +B D@+@ + + -A - @CD-+ , ? -C
JC @ +,G >?J+ -A- J# @C W C@+B@IA.6 B 4KQQ5$#6/
&) 0 8;KKL(4 ;OK A +B@ @G@ - >C-*) 2 +B@
> @ A B B O@ U@+ @,, +B@)D @ - @CD-+ , ?
SKK- . 1 < ! $ S =<= B@ A >@A @ -C @ , -
+B@ C , @CD-+ , ? +B@G @S + , + >CU@G
/ B@ @C+ -A - +B@ @S +@A @ A +B@ %BC + A
B>C8) -) @CD-+ , -CD@C -C JC @ +B--D B A.
C , :? + -A AD A @ +@D +B >J@CA +>C ,
J- @C
SKWM $ S B7 " , 8 KMN(OLQ B@ @ @C?-A
- >,@C @C+ - >D -> ,G . ?!+)CD-+ , +>2 +B@
+C>@ JC @ +B--D - @ @CG %BC + A ? A ;KK; 0* 0
4 =L= ! @CD-+ , ?2 @ +B@ E@, @ A @C+ A AD D> ,
-CD A@D A @C+ A G E@ A. +B@ @S ,> @ A +C>?@A+2 A
+B@ / A@ - @A A+2 - C ?@A+ , .C @ ;<NP (-
OO !@A+ LLQ L C>@ @CD-+ , ? ,, -A@ +B +C>@
%E>C A? A B+J
?* -0< @(4 =* 8 @ *D) +, , +(^ R
' ($0 i : G #A@ H67 D - +@ 70 D@ @AD
@CD-+ , ?
4KMP C $!! $!! <(O< !@J+ N O B@ @CD-+ , + C@
.C @ -> ,G ? + U@A +B@G ?U@ ,, +B - C +B@ JC-- -
, +@A+ E@, @ A C ?@A+ , +B@-C @ 4KQ= " .)
6&.' ?$* (e ; O<K B@ >, @?JB , D EG +B@ @C
D-+ , + -A +B@ @ G- +B +-CD A A @ E J+ ?a 4K<M
OJ B 0 $ 8;<N=(LN= B@ D - +@ - C@Y
, . -> @D> + -A2 +B@ -JJ-A@A+ & D -C @ AD ? -AG2 +B@
? A+ A@C +B@ A + +G - !>AD G2 C@), , U@ @C
D-+ , +
(D-0<7*(4 I-)`? = ! N./ (K$ 0
$0 H aJ$L $' 0 G ! 3
$ 9 A **!0
! -@CD- + , O A. 1!(10
Z9\ C $!! $!! <(ON * (!& $ P & +B@ $, & $! O '
: O$? $

- +B@ A., B J--C EG AG > B ?@ A +B@ @ ^@+ a 4KKL
= $!" $5& OM B@ @S + A. @) ?J@C @ +,G
@CD-+ , @D > +- ? CG , - +B@ " AD> A +B@ &>A* E
4K<< *0 A - 3 G ;P ; B@ J-, G - +B@ O B-J
@@?@D +- E@ +-) @CD-+ , X@ +B@ %B>C B AD >E + +>+@
+B@ C - A >+B-C +G -C +B + - +B@ , 2
+ (D-0<7*-> '&', Y2 0 A Q @CD-++ ^ D
$, 1Y -0] JC @ +
SMKW A 3 D?@A+ X.0 ,(C$ D) ! 8;KMK(OKP @ C -A
-CD - ! @CD-++
! -@CD-+ ,2 1 0 $ c 0 $, &
- i ,# a]) .
4M=4 : 11 &!0 &!0 M< A +B@ @ 2 +B@ - J@,
C@ C@. ,, +B@ J +,@ ?-C@ ! @CD-+ ,,
!) 2 -E -C? - V
(D4 (1(J-0 1(, - K U ? U@C
^ JJ D@C + @ -C -CC>J+ -A - $, $-$
V G ! 7
O C '' "! 0 , 0 ' "$5 O, ,,$. 0 ;MKL
. 0 8;QKO(L;; A-+B@C ? D@ J@@ B +- +B@
AD A 2 A +B@ A ?@ - ,, +B@ ! B ? U@C -C U A. ;QN;
% 7- 1)C 7-5)V) +8 KM-(P= B@G B @ +B@ .C@ +@ +
! B ? -C ! U ? U@C2 @ 9 A.
! B@2 -E -C? - Q! 10c
! B@,2 @,,2 @,,@2 -E -C? - .
(-4 - *4 8) +*@?2 @+*@?(, -Q -B ? 2
-B@? 2 -B ?2 < I>@? ^ CC . A @++
$, - f /@, C@ $.'$(3 ? $--&2
&@A-E -+ $ $- 8 B@A @ 7 D V
B@ >JC@?@ B@ D -C B @ - bA@ ?@C A
AD A +C E@
B@ ,,@.@D D + A + -A E@+ @@A $, - AD $ $-&
%I>-+ $ K *^) JJ@ C +- E@ @CC-A@->
;MO !$ 0 C!$' $ &' C!" -&) (2 ' 0 =N
EC->.B+ +- +B@ C ! B ? -C ->@?->C $%>> 9 ' B R
) $ $ P 3 A+-A ?-B +B@ B @ ! B@? -C -CD
- +B@ CB))A @+ ;MKL 6 . 0m;QKO(L;N B@ C
.- @CA?@A+ EG U A. 2 B B +B@G ,, B ? ;MKP $
B ' 0 - *0 - ,$;;Q ! B@? ;QSN B ..
? % 8;KPQ(PQ; 5->C AD A B@? 2 -C U A. -
+B@ P AD A A + -A 2, +@,G CC @D B@C@2 $;KSQ 8 7
$ 0 2 ' 0(@+ 2 8;KO;(;;< B@ C JC A J , B @
@C@ ,,@D ! B@? +B@ C >E-CD A +@ -A@ 2 ! . ?-C@
SK K 71 0 $' PO @+ +B@? -?@2 +B@G, U@2 E@
+ . ?-C@2 B@?2 -C J- - ;KMP 3) !! &%
$''S 2 "@ .C@ + ! I>@?2 D@, @C A. +B@ , -
B +C E@
O B&,)!$!" JJ, @D +- JC-? A@A+ ?@?E@C -
- @+G2 @+ T B @)
4QQL :) . 0 8;KP=(4 LLP + B J@C@D +B +
+B@ ! B@?E + ? -A+@?J, + -A +-).-B-?@ --? &
D ? C@ @C +- -?@ #A@ JC-? A@A+ A 3 J- + ! a
! 0 0 C&! , 0 #A@ - E-DG - + @, @ B .B
- , A +B@ ?? AG !- @+G - @ 1-CU
< $' $, -(+B@ B@ D - +B) E-DG2
;K<N $ &' ON 3 C OLM ; B@ +C E>, + -A - ?? AG'
-C?@C C AD ! B@?2n +B@ !E@C * ;K<N ?& &' 83 (
" - !(OL) C O L ?-A. +B@ ! B@? >A A ?-> ,G C@Y
@,@ +@D EG ?? AG " ,, C@ ^@+ a
"@A @ !) B@?D-?2 ! B@? B J2 +B@ J- + -A
-C)C@ ,? - -B@? !) , @ A -$0(- * J@CY
+ A A. +- B@?
4QMP ' B $ 0 =P< - A+-A
-C B@?D-? - +B@ J@ AD A 2 SGGS ! 3 #+ %)b))
!0 OM # + 2 , ++,@ +C E@ DC- @ A J@,++G D>C A. B
B@A)B J ?-A. +B@ 3 ? $ H ` B 8 7 $ 0
2 ' 0(@+ 8;KO;(SK ,@S AD@C2 +B@ @,D@ + -A -
3 -U -+2 D @D AD ,@ + +B@ ! B@?D-? +- &B , J 4KQM
6 0 T SSS L<P B@ -C@ + E@G#AD +B@
! @2 @ " ?J B C@2 AD +B@ %->A+CG C ! ,@?2
@S? ++>+@D +B@ E@? B J # &@A %-C SK)
$ 0 0 8;KKK(ML B@ B@? - @ B@C@D + CG
! F , @A -C@2 -E -C? - 7 E
,) B @+ 8 *.(^5C $, 8 C-? ;O+B N !)
5 $D) >0 @- * +,-.%! / - $,5 [($,,)
E .2 10 % + $,,. D0!
i ? ,, E .2 ,,@+ 1 0 $ 0
=KL 5G!&E <&! 0 00 O "@ @+@ + G@ D G -
+B@ ?@ ,-- EAD , G@ -A +-@ ?-? B@ -AD + B--, A B
B@+ ;=KQ] ?.0 < 0 $ - .S 2 87 D@ 7 , ;P P(
E2 A +@D@ - @,G@C B@ / -.@A@ a B D E>+ ,G+@,,
B@+
/ ? ,, J@C >?@D EA. -C + B@,
;KLK - L :>,G P M B@ T,@++@C - @, + + -A -CY
CD@D EG +B@ !>,+ A +- B@C 3 *@ +G -A +B@ - -A - B@C
-C-A + -A J>+ A A @A @,-J@ AD +B@ B-,@ @AY
,- @D A C ? -A ,-+B B@+ -C E .V -?@ B +C@ @?E, A.
, DG ? ,, C@+ >,@ SKK- B ' " -(SS 2 1->
,, A-+ J@CB J E@ E,@ +- AD G->C J- U@+ B ADU@C B @
+ CW+ B@G C@ A +B B@+
DCGJ@C >?@ ? D@6J A+- J U@+ -C J, A.
?-A. C+ ,@ - ,-+B A.2 @+ 8 @@ I>-+ ;K<O(2
SK & !!O C %) - " ;=P O C D@ +B@ B@+ ?@AY
+ -A@D +B@C@ C@ ? AG -+B@C !>E + A @ JJ, @D DCG J@CY
>?@D > B @A+@D DD A. ;KPM ') - SK # +
;OMK "@ @A+@D , U@ B@+ ;K<O 9
C - S ONK SJ@A @ B@+ C@ -,D A ,U E .
%B@ J B) C@ -,D A @A @,-J@ -C A C->AD E-S@
$ 10 ;KPP - C %) - " ;LQ ! B@+ &- D@C
! B @ @,, 8 +*@ @C@,(1 0,",E0 0 , -
@, ^! D +- B @ E@@A A ?@D EG +B@ A @A+-C -A
->A+ - +B@ J-J>, C +G - /C ! B@ @C@6 + @@
A@S+ba 8!@@ I>-+ ( )
;<M< - . 0 " U ;K=N LOP B @@A A
A CC- +- @ B ?A@G 2 B@A E@ @C@,, -C E,- @C
> @D $> / < 0 '! 0 &') ($, !(+B@
C-A D--C2 -C E,- @C +- +B@ ?->+B - +-) C-? D A@
- +B + A ?@2 B- ? D@ B ? @, ?-> -C E,- A. +B@
- , - D @A+ -A2 +B@ , ++@C @AD - +B@ C@ .A - F>@@A AA
! %a @ NaCN,, +@8 + @ @C@,< +(^ $, E

) ! 1. H* . 1 (I
> G 23 1 E$ 2
3 ./ + 2 1 I
! %_R& (
$ ' $ 0 $ 60
;QSN) 2 , "&) C! $ = ! B@ @C@,6+@ @ C +-
"@C 3 *@ +G -A,G F>@@A D@ 5 +- 1 0 Q B@ ! B
@ @C@,, +@ %,@C.G B @ ,-A. .C- A'D >AD@C +BE +B + C !>EY
*@ + -A +- +B@ !+ +@
! +@2 ! @+ @2 +G 2 -E D 2 !
(DJ 8 @U(2 C , 5-C? F%2 ?@ 2 L =
2 @-U8@2 8L @@2 9 '& @ U(2 L M UU@2
L Q -U@2 = P U2 @UU@2 = M @U2 8P 2 -@U2
-B@2 U@2 U@ ,0 @ U@2 Q \ @@U(2
P U ^# $,, ? 2 D $,,) E .2 U2
U ,-+B 85 $,(C-? O+B 2 &C $,(!J 2 &.
$,&(+ $, +(C -DU +- 2 D "@E 8 &B @A A(
JO $D f :@ B C ? J/ $ (J/ DD(!GC
F b $D(U O/ $DP(GC A $DD)0 B@ -CD
JJ@ C A ?- + - +B@ @A+2, A. -+B2 $..)
U ,-+B JC-E C-? C@@U2 E>+ A +B@ -+B@C
, A. +B@ JC-S ? +@ ->C @ + A 3 /> $.
8/> $.+(# " $,($,.(J ,, 83 "
$,(?-D $,. E .(2 # ..3 U 8! ..0
/ .+0 B@ # AD -?@ - +B@ # " -C? 2
AD J@CB +B@ # 5,, 8 -A A@D +- +B@ @A @ T UY
,-+B'(AD +@ JC@B +-C +GJ@ T $.. 30
?@D T $,, $(+ , A + C .,- CG
B@ -CD ->AD , - C B AD @,2 --2 7@, B $,P(
">A. C A O $ (9> A % 9 2 $.F(&-, B2 %X@ B2 !@CY
E A2 ,E A A $.(B B C@ ,, D C@ +,G -C AD C@ +,G C-?
+B@ + A -C C@@U a
,, , C.@ E . -E,-A. A B J@ AD -J@A +
JA@ @AD2 > > ,,G ? D@ - - C @ , S -C B@?J2 > @D
-C +B@ +-C A. AD -A @G A @ - -CA2 ,->C2 C> +2
J-+ +-@ 2 --D2 - ,2 @+
,$+++ B6 <,%%(S, OW "@ E@ D B B@SA>? 8 @+ B .
G,D-A B C ? D B ?+@ ,S - < '0 = 5 0 OOOL F> A
?@A - @ U@ -C >A E-AD2 AD A @ -C@A ! - L+@ -AD
$;LNN) & 0 =N< 2 1-+ C @ U@ , ,, - . +2 , ;LK
B 0 <0 0 ;<P 4* &+ ! UU@ >, - .-,D %;==N
& - * C$ 0 M= + %@U2 -C %@U%,-+B@2 #C J-U@2 $,,) 0
C= ", A 0 '! "R) 0 8;K<N;PN - U@J@ 8
-CA@ B + , +B@ B@A + ? J>+ A+-) @UU $ S J
. ? . 0 L & 7 U SK=L ONN 5@ >AG-> -- @ 2
+B + @DD@+B +B@ @ -,D@ GDDC@D -?@A2 BG B B +B
U@ >, - A-E,@ ;PQL B 5 +CD 8;KQK(;QM --D
B> @ E@ ?@AD A. AD J A. +B@ C U@ ;QPL ,&
$ 0 >.2 =O; O 5 @ ?@A A U C>A -C .> A@ ;K=N
" --E E* ' OOO 7 B + D- G-> +B AU2 3 C. C@+2 -
B A. G->C B@ D >.B+ A E U@C U2 B-+ C-? +B@
- @A 8 >C@ -C E, .B+ A +B@ @G@ 'a ;KM=
'0 0 ML B@ G->A.@C J@-J,@ 2 7 +B E . AD U AD
E U@+22 7 @A+ A>++*A.
0 c7 +B C@ @C@- @ +- +E@ J>A B?@A+ - DC- A
A. A U $,.M +B@ J>A B?@A+ 8 CD@D
A A @A+ $-?@ +- J CC D@(- E@ A. @ A A
U AD DC- A@D
,5 B ,0 0 $ >, = ' $ + O S J@ >.@).@C+
EGAD))->A.@ C- A , +BJ AD J>+ BG? A @U +- ?@C@
g ;LKM B ,.0 0 <PM AD D- +B + , UU@ / -
+C@ 3 ?@ AD J>+ ?@ A UU@ AD A +B@ A@S+@ CG>@C D-
?@ D+@A@E@ O/++"A+ B C& - S, KQ >D 5 ?@ @
DC- A + A @, ;P) . 0 DD)!) 0 ;MQK
4 & 0(! - ',"=H9 +==; % , .>,
A @ G@ C -AD@?A'D ?-C@ &@-J,@ +- +B@ ! U2 +B@A @ @C
@C@ E@ -C@ E ? S - &'$ 0 5(/ D + +B->+B AU
?@ --, @ ?>.B +- + + ,(+B-> B D + E@+C G@D ?@ +- +B@
U AD +B@ -CU `
@ $' (O' 0
$;LNN $ -)'') ((C 0 8;KMO(O J @,,@ E ->+@ A6
E-+ ! UU@ =OM)7 <) !0 C ! 0 ;OQ<; B@C ! U
+B@C 7-?E@2 0 AD@C+ U@2(# B@? +B@C .-DDG +B@G D-
? U@ SWP< 0 $ 0(20 (2 ? A E>+
U@ - +@+ -CG S!!4) *&!0 C& 8 CE (
,+E->.B)C B A @ +B@ U - B - A@ >,+ 2 ,G@ - E@
B A @ BG E U ^% ! I>-+ ;P=< a
D2 8!@@ I>-+ (% 2 9 . 0
' , L; '0 !!!(;N e K !> B@ - +B@? B ,,
B JJ@A +- E@ >AD@C +B@ +>D@ D@.C@@ - 0 C-A2 B ,, ++
+ +B@ >JJ@C?- + J C+@ - +B@) U@ A +B@ ? DD@ - +B@
D@ & C, ?@A+ %B ?E@C2 4! ' ' !$' ;;
8;KQQ(;Q= A +B@ ? DD@ + ^- +B@ "-> @ - -CD a2
, @ @C+@ A@ W U@ +> @D +B --,, -+ B C@2 B@C@IJ +B@
*>D.@)+B@ C@ ,?@G +B@ ? +@C - +B@ C-, 2 AD @ @+ +@
- @ + +@ D-- +
@ $,. $' $ - M J U B-C @ +C 0
S .S A 0 ,0 8;KKP(L;O ^ - G@-?@A
JC@ @A+@D -C +-JJ?. >J +B@ 9 A. B .B G -Ca U@ AD
@ ?@ ;KO< : 0 0 & 8@D O(2 $,.3$' 3 $-3
&$ (B-C @ C- D])JC-J@C,G J U B-C @ C- D - @C ?--C
/ U +B2 + -A+@A+ , - +B@ ?->A+
> > ,,G @E>+ A@D A U B@A @ + U@A >A +
- ?@ >C@ -C @ .B+ -C -?2 ,- >2 C> +2 --,2
- ,2 @+
;L;= ;P &!! & % C$!0 L;L +2 U \ S J@C@ D@
,@ A@2 4=OQ K ,0 0 $ "$!!M< 5-C * U ,GC @ +-
B@)?@ ? -A2 G*D ;=Q< A ' 0< ! 8;KQN(=OP B +
+B@G ECGA. +B@ C UU@ - *> +@ ?@ >C@ ;=<= , S
'0 (% =e O O@ + , - @A +@D +B + +B@C E@ E>+ -A,G
S *,E +- +B@ +-A@ - 7-6@ AD SS* +-A@ +- +B@ UU@
;PMP 0 C "' &) ', ! ,& 0 LL= B@ -A @C +->C ,
E + - @>@C ,U @U - .>D + +>C, $%+O 0
$B0($ 0 == B@C@ ,E@ A@ ? +@C - +B@ C-A)
I>B , C@ @ >@ C +B@ 9!A.2 ,@ J@AA @ -C ,U @@U -
-A 8I>B U -A+@+J@ + @A+ @ I>C@ + A@ (4MKQ 3 ..
+C . %&C $ 0 ;2OO< " A. + U@A ->+ - B@C +@A U
- % C-E 2 +B@G2 ,@+ B@C .- ;QN= $' 0 C& 4= 4Q JC

[illegible]

[illegible]

[illegible]

' ' $ 0 ;<<' B@' -?@A' ^-' 3 C2' -C' +B@'
%@,@E@ a2' @ C@' ', C.@',-A.' ,@' -C' U2',U@'A@+V -CU@2'
B B' ' '. C?@A+'B D@'+B@?' B-,G' ;MMK <'& &1 [V QG'
0 3 C2' 3 G' @'+B 'D G'J>+'-A' C+'B@C' 5C@A B',- A2' ,,@D'
! ' ;Q=K' " 7 &# @4) ' OQ':>A@2' B@'&C A @
B ? @, ',@ D A.' 3 D ?@' ' ?E DC @'D@' @A @' A'
C@@A' U' +B' ' +C 'B +' ;QM ' < .) ' 0 (SS +2'
A' >C@'G->2' ?G' DG' C ,,'B 'B D' ' I>@' C-?'+B
A@ @'+B ' @CG'?-CA A.' BB &' 0 ,) :>,GL=L '5,- A.'
-- @,G'D- A'B@C'E U'&C ' +B' C+'+B@'.C @ >,' U' ;QKL'
= '/' $0 &?-!'/@ 2,' A +'E@ C' I>@' ;SK=W
' &0 0 !@C' ?' ' ' $" ' B@' ,- @C@D'
,U I>@ 2' B B'+B@G' -C@'-A'+B@ C'E U ' $ /A' K
- &' ' 'S 2' "- ' ?' '+-'.-'+C J@ A.'+-'9@A A.Y
+-A' A' ?G'G@,,- ' +A' U'E@ -C@' ,,'+B@' A@' -?J AG''
$ A' B.1 .)'\' 8)' 0 ! 2& . ' $,'4 $,.'-C
$,D) H' A' -,D'+@C?2' +,,' A' > @2'D@A-+A.' ' >J@C ,>-> 2'
E>+' D@ -C + @2' J @ @' -' ' DC@ ' ? +@C ,' +@A@D'+-'+B@'
B->,D@C' +'+B@'E U' -'+B@'.- A' A' D@2',-- @' J, + 2' AD'
D@ @AD A.'+-'+B@'.C->AD2' - ' > B' ',@A.+B' '+-' -C?' '
+C A' B@' .- A' + @,' ' , G' -?J,@+@' +B->+' +B '
JJ@AD .@
E 10 ;QQN' ' 0 0 K :>,G2' 7 U ' ;KNL' '===
/ C@ +' -C'?@' +' 3C ' A.@,'2 ! U ? U@C2' OC--U@' !+C@@+2'
"-,E-CA' ;K<M' $!" ' 2 'OP':>A@'M M +B@' ,+' + -2'E@ A.'
B ,DC@A2' @C@' ++C@D' A' JC@++G'-,D B -A@D' I>@' C- U'
O' ' ' ' ' ! ' ' 1 ' '
' ' ' ' / ! ' ' ' ' ' '
' ' $ ' '$! 0
$ &>' 76' A' '8;K<;(" '<N' A' C' @ +B@C'B@' @ C'
'EC- A' , A@A' U' ;KKL' / '%' = B ' $ ' 'LL' " @'
-C@' ' @, @+' I>@'+-'J A+' A' ;KKL'%' 5' 9 ' &'
' $&' ' 2' 3 ' "-A-C 'D J - @D'-'+B@'C@ +-C'E@Y
> @' B@'.- -A ,,G' -C@' ' U - +' $ J' ' 8 ..
&-$'G' ' $ &" ' SS ' ON=' B@' + -' -?@A' , >.B@D'
+-.@+B@C2' AD' E@. A' +-' J>,,' >J' +B@ C' U 2' B B'B D'
DC-JJ@D' C-?'+B@ C' B->,D@C' A+-'+B@ C' B C'E@B AD'+B@?'
;K<O' $!" ' 2 'L' 3 G'O =' B@' U E U' - +' 'A- '
C J D,G' AD A.' +' G'+-'+B@',- @C' - 3' +C + ' ;K<M 1 0
:< 3 C'M P' ! I>@'* U@+'D D @'+B@'B-A->C' +B' J@ '
4<NL' - 0 <$00 ;K :>A@ = O' , @' 'E-,@C- . @' X@'
+-'+A@' ,@AD@C' AD' @,'+B +'-'+B@'+->+

! U'8 @U(2' ^ ' ' ' ' $, '+-'
+C A' +BC->.B' 'E .' 8?@D ' , -'+-'J>+' A+-' '
E .(2' 3 / ' $,. ''8/>'0$.. "' ' $,. ''+-'J>+'
A+-' 'E . a
' $' 0 -' J>+' A+-' ' U' +-'J U' -C' +-C@'
8.--D (' A' U' , -' +B')*(
,';LKM' B ' G' 0 ;PN' 7 B A' +B@' ' UU@D'
AD' GE->AD@)' ,';=LN C ! (" $' & ' 'S, 8XKM<(' ;PM2'
' UU@' ' ? E@,' >?' + ?@' '+ @GA@' -C' +BC@' J--C@' ?@A'
? B+@A' @,' *,@'B@C@' UU@' ' +B' ;PSN ON' "-$''8 C@.(
L<M A' B@ +@' ' ?',- U@D' -' +2' , -' U@D' A'E ..@
$';QSN' 'F# D!(8 B@.C +, U D2 AD'@ @CG'
U' @,,' E->AD' ;QQO' $'F# 3 ' A) 5& '8;QKL(' '
A %' B@' AU@C2' B- @ @C2' !+> U@D' >J' B 'E>D.@+2' AD' B '
-?J A -A' B@C' E>AD,@' 4K== 1 '?.0' $%T-' '
PNP' B@' J U,@D' B@ +' '+B@A' U@D' >J' CC @D'+-'+B@'
@,D' A' C+ ' ;K=P' " - !0' 0' ,0' &,0 ' > LO;' +'
+BC@ B@ 2' ,@ A 2' AD' A ,,G' U '+B@' .CI>A') 5N 0' *0' &'
%!&0 * 0'C , 0'E0 0'LO;' B@'-C@ 'E@ A.' U@D' +C@'
B J ?@A+2' S) S' && !$' 'C$ 0'MP' +, @'$5''
->,D' E@'+BC@ B@D2' DC@ @D2' AD' U@D2' A-E-DG'UA@ 'B- '
E' -'J>+'8 'J@C -A(' A' ' U'+-'E@'DC- A@D'
;=OP' &!! '8 'C$! 0 'O<K O' 1@') D' C@',@+@' UU@'
BG?' -C+B +B2' AD'DC->AGD'B ?' A' B ?G @' ;PLN' . 7 '
)M O' " @' B ,,'A +'E@' B A.@D2' E>+' E@' B ,,' E@' U@D' AD'
+E - @A' A'+-'!@)@' SK W ' ' ' ") ' ' 2' ' --, B'
-C' ?JC>D@A+' +'7->,D', ? @'@AD@D' A'B 'E@ A. U@D' AD'
AD'+BC- A' A+-'+B@' @ 2' ;K)'9 ..')-- ') ' ' '
0 S,6 '8;KPO(' OPQ' ' >A B' - ? A' ' U@D' AD'
+BC- A' A+-'+B@' O- JB-C>'+B ' ?-CA A.2'
' *& ' 0 - T E ." 8. ?@(
;KLK' . ' 8 ' $ " N ' 2';=M'!B-+'O<' .@@ @' AD'
U@D'@ @CG'E CD
i' / ' -'B@ J'>J' A'-C' ' A' ' U' 1 0
4P<<' . ' !"& - 0B ("@2' B- @'B@ C+' ?-C@' B CD'
+B A' , A+' " +B' U'D'-A' ?@' > B'B>)'B@ J '- ' @ @,@ '
-CC- 'B@C@' SM ' '# ' ") > & -B0'#' +' ' A'
-,D' + +@' JC A J,@' - ' 3 B @,,2 +-'J U@' AD' U' J'
U@'-'?-A@G'+-' E AD@' ?@A '+-A.>@' +B@C@ +B2
' ,&!!&D0 - TJ- U@+'
;KNQ' '!' ' ' ' -' : P)' "' -?J, A@D' +B +'
B@' U@D' +B@' @ J+ 2' +B->+' ,@++ A.' ' 8;K=<(' U@D' ?'
C+B A.' S!.-' < .' $2 ' 0 A' ' 8;K=<(=O' -' U' '
C@ -A E,@' JC- +' KLM 7 ,$ V C b) ; O L' B@' ?-A@G'
D A @D'B ,)C@ DG'E@@A' U@D' AD' J@A+' SKKK% U ' '
7 $/'?!$,.1 ' 'O;N 7@' -,D'+B@'-,'+-'-A@'-'+B@' ?@CY
B A+ 2 AD' U@D'+B@'D-,C
!2' -'J>+' A+-' ' @' -C' U,U@' - @C A.2' $ 0
KK-' ' 7 *) + %' ? ' ') ' 'S 'OPL' +' +B@' -?@C'
+B@G'J, @D'J ,,- 2' U@D' A' ,-+B'E,>@' AD' C ? -A
.' !$' (2' -' T. @'+B@' U"+-' +-'D ? ' -C'
D B C.@'8 'J@C -A(' C-?'B '@?J,-G?@A+'-C- @'
%B @ ,G'*$ 0 ^ ' >
[K=4 A' $ 0 2 `':>A@'8;K<<(;P P' "@' ?D'B@'B D'*> +'
-?@' C-?' , - 2 AD' B D' E@@A' T U@D' XKMW $!"'
!0'L' -'O ;' +B@' -, +-C'EG B-I+B@' '@?J,-G@D2'
B D' ? D@'>J'BE'E--U 2' B@' 8+B@' J, A+ (->,D' B @'E@@A'
U@D' S' ?-A+B' .-'T0 SK-' T$' I .) 8)'T' &!0
& - '8;K<;(LML' B@' -?? +@@'F6)+'+-'E@' U@D2'
!$' -'E@ +' A+' ' -A+@ +' 8%' ' '
L A "KJ ' $ ' 'C $ $' "'8;KM=(' 'OQP'
B@' +@C?' '-'D@ @ +' -C' +-CG2' @C@' ,,@D' U A.' AD'
E-. . A. '' 'G->A.'OC DG'+B +'D DA'+' U'B ?'%, A@'
AD' @A+' A .B'+-'E-.'+B@' JC@ +' B ? @,' A' C@@U2' [K=4
H' - U< .)' 0'8;KK<(:' Q;' 5 2' @AAG -A')'+B +'
B@' AD' 'J C+'G'- ' A..EB?@A' ->.B+' '%C U@+' ? + B' +B'
+B@' C@ ' -'+B@' O@,@C-JB-A' ' AD' U@D'+B@' ,-C'EG'
F-'C>A 2' ;K=M A' ? $ '&' ' !'KN B@' J,> U @ +' C@ '-A'
E' +C@ ? ' ' +B@' -A@'+B +'B ' U@D' ?@'%BA +'%B>C B'
O-)2' AD'D + A @D' ,,'+B@'C@ +2
M')-1 3 $ 0 !@@'I>-+' KMN' ' ' 7'
1!0 10

KMN' 8 @@' 7' L!0 10 ' *' ;K<L' , 1' >' $ 0:>A@'
Q;P ;' AD' +B> 2 D A.' AD'T U A." ,-. 2'+B@'C@ C' C@ '
-CU C-?'D G, .B+'+-'D CU
2' '!0 -'E>,.@' -C'TE .'
;Q<<^?J,@D' A' 7' 1!0 10 ' ;a2
! U'8 @U(2' , -'M' ,0 +' ^' `7' 1M'
% '&C 2'!J 2'&.2' $D) $ (+' $,, $ 0H
2' $' 0 -' . @' - @C' 8' +G2' +- A2' @+ (' +-'
J,>AD@C' EG'+B@' -,D @CG'-' ' +-C->' C?G' +-'
+C J'8 'J@C -A' -C'J, @(' -'J- @ -A'-C'.--D '
+-'J,>AD@C2' D@ J- ,
$'$/&>' B ' ,,! $ ' '7U ';K;P QM B@'J,@A+@->'
B->@' U+' +B@' - A@C' @AD' +B' B ?@ B@ C' J CU,@D'
.--D ' OSP=K ' ..' .&'0 ' '0 '=P B@' +->A@' '
U@D2' +-'+B@' .C@ +@' . GA@' -'+B@' A.6 B@?@A' ;PML'
9 # ' ' ' 0' ' 0G &'3 C@'F' ! -++ 2' 7U '8! !(
' P B +' ,'+B@'@A ?@ '+B C- >,D'A- B+'? U'+B ?@) '
-C @' AD' J, A@' -,@A+@'+-' ' +2' -C'-AG G' >ED@ ' +'
;)Q' $ 0'C& - ' %& -('PO'!J C'A-+'+-' ' +B ?@' ,,
A@' G @2' F>B-?@' X@' E@,@ '+B@' 9 A.'D D' +' ;PQ=' +C'
$!& $>' *&,$!*'== " @' 'E@' U@D' - ' ,,'B '.--D '
-C'E@'+BC- @A' A+-'JC -A' $% I' ' 8 *)' $' ' 0 & '
' 7U ';KQ=' ' U'+'+B@'% ++G' +@C' A A@' 3 -A@+B
@.@' ;KNQ' : ' 8' &! - 10 ' ;L' B@G' U' +B@'
+@?J,@ 2'+B@' . G' @,D'D@ @' $&+' '?$ '0)
SS 2'&@-J,@2' C@' ,G A.' C-?'+B@'+- A' B B' U@D' C-?'
@AD'+-'@AD' S) ' = B. ' (' 0'5550 'O<P' 5C-?'
O- '+-' "GD@') UV +B@C@' ' A-'J C B' A' B B' -?@'
I> @+' D @,,A.' B D' A-+' E@@A' b U@D' EG' E>C., C' ' $ >O'
< ' $ 0 ' 0 (S 2' KL' B@' ?-A +@CG'
U@D' EG'+B@' / A@
E' =(<' 7?'((1 (*-'(K- *'
S) ' $ 0C& - ' %& -(SS ' ;;<' ' GC@' ? G' :V C
E> ,D A. ' U@2'#C'E>,, +'E@ +' $A'D- A@' $ $>' . '
0 !$. ' ' SSS 2' 7 B@A' ' -U@2' +B@' ,--D' 7B- @'
E AD@D' @ '+B +' CG + ' @' B D' U@D' 7 ' @EE A.'
C->AD' ?@
O' -'*(J-'(='L4E <-0' 70' L7 4' 1 0 $ Y> 0
;P<N' +C' C 0' E1$! '&>' ,0' ,&' 0 C$'0 ' $ 0 O;' B@'
A., B?@A2' D@J C+@D2' B > A.' U@D' OONNN' D> U@+ ' -'
.-,D2' AD' ;=' - @C' - '?-->@ E,@'
% 0 ;P<N < ' ' ' &&'!$ ' ;;'7U '8 C- C+('
;PP' B->' @@U@ +'A-+'-A,G'+-' U@' ? A@' B-A->C2' E>+' +-'
> U' ?G'E,->D
! U2' -E ' -C?'- '
! U .@'8 @)U@D.(2' 10 - ' $ 0 , -'D Q'
@ .@2' ^ '5 '$,,$ (-CD A.'+)" +X / C?'
@CE ,'A->A' ' $,,$ ' @@' 7 ' /
T B@' + -A2' -C' A' +2' -' U A.'8 ' +G2'@+ ('
O >>" >' ' .)' . &'0 ' ;N<Q ;' 5-C' +B@' D@ @A @'
AD' @. CD' -'+B ' +@' -?' J- ,@' AD' ,@2' $/ J'
7 ' &- - $' -0 8;P<N(OOM A' U .@' -' %+@ '
SM-X' ..')'C! ' "' 'S 'S '==L' "- E@ +% +-' >C @D'
A-+'+B@' C A.' AD' .@' - '#)+B .@2' -C' B@' D@D' +B@'
G@ C@' ??@D +,G' +-,,- A.'+B '>J-A'+@' ;MP=' +C' $ 3'
%' & 'D0 '$' ;<N' B@' U .@'@AD>C@D' C-?' +E)' O='
- ' -@?E@C' +,,'+B@'P' -'/@ @?E@C' ' " '
!( ) 0 SSS?' S, 2' $ @AA ' ' A' .@' , D' SK-K
B S .D'0 'LKM !-?@' ?-A.'>!2 G 'B@2' A' +B '
+G2' ->A+' C-?'+B@' U .@'-'+B@':@ 2 S) '
A0 -$ "';;' 2 -'.> CD' AD'U@@J'G->' B D@' AD' \'C-?'
?' B@' J-' AD' U .@ ?'D' +'EG'+B@ @'C@E@,
'/ ' O--+G2' L4E <-0' 1\0 $ ']'
XM)' ' ..)' - - 0 $, !!(SS 2' 'OP;' 7 B@A' +B@'
% .@'+B@C@ -C@' ' D D@D' AD'D@ ,+2 B ? @,@'+--U@'
@AC'B ' B C@' 'D>?E@'E-G
! U .@2' @ + @2'X' 1 0 ^ '52'
,$ 0(JC-E' D' +' $' $ ' '$,,&' 1 0 W
$ 0 -'J>+'+-' U'+-'J,>AD@C
';PKP' '9 7 ' +C2' , &!$"> ' &"0 ' "'P'E2' B@ C'
A+@A+' '+- B >@' .--D' +@ A' +-' .@' ' 1 0 S '
;L'E2' B@'B->@ 2'B >A.'E@@A'+ @ .@D'!& 0)5'
%& '$,,$ ' AD' J-G,@D'EG'+B@'!J A, CD@ ' SM)'C 20
-0 'V0 1"'8;KOK(OK O@ -C@'+B@G' @A+' ->+' - ' +'
+B@G' .@D'+B@'+- A' S) : '? - %) 'C&*' ! 50 '
8;KMQ(<=' B@G2' @+'>J-A'+B@) B'^ CC-)'E AUa' B@C@'+B@'
?-A@G' 2' AD' U .@D' ,, ;MKQ ' 3 ..'+C' 3
" ' $ 0.'M' + B A.'E@@A' .@D' AD'C> A@ ,'EG' (
'$-? A' C?G
"@A @' %' ! @ . A.' :1!0 10"' '! .@?@A+'
$/ /I'9 XQ 7 '+C' ,.&!$"> &"0A'S '=KE2' B@'
@E . A. -A+ A>@D' L' D ,@ ' 1 0 ' 'SSS ' ;MN' B@'
? A@2' .@?@A+2' \' D@ -, + -A' -'+B@ C' ->A+C@G' MP='
+A' $ ' >' & 'D0 '$' <F +@C +B@' , . A.' AD'E>CAY
A.'-'-'? AG'&C- A @
! U ,@ @C'8 @U,, (' , -' -,@ '^ D'
+' $,,$! $0 % '5' $& H' ' ? ,,' ,+@A'
C..@D' ,A.' @ @,'> @D' A'+B@'4 A+
;K;<' ' '1 ' '$ $ @' ! -(2'S 'OOL' 3@ A A.' ?GY
@.'+-'.-'EG',AD' C' ' ,,J-,2' B@C@'+B@' -,@ '
'+-'E , +' bKG!' . 8 3' !!"'8;KKQ(KL' ' >CU B'
U ,@ @C
! UEA+'8!K@ UEb+(' 5-C? 'M Q' .E>+2' E-+2
M' .E->,)' ..@E>+2'Q' .E>++2' M Q' B .E-+8@2'
8M' B UE- +2' B .E> ,,2' Q' E>+(2' M' UE-+2' Q'
E>++2' U@ E>+2' Q' -E>++2' K <' -E>+2' Q ' -U'
E>+' ^ '5' $D) !(@ C,@C' $D)1& E (' 31& (
@+ 'A-+' -+?D' ' +B@'A ?@' - ' '*6A ' A +C>Y
?@A+' @ C,@C'+B A'+B@', ++@C'B ,'-I'+B@' ;P+B' 2b' E>+'
**C@ >? E,G' D@A+' ' +B' # 5' $D) 1&) (@SY
J, A@D' A'+B@' ;=+B' ' ' , A @' >CA B@D' +B'T A'
C-A' B--U' -C' J>,, A.' ?@A' - '+B@C' B-C @ "' 8T >A'
.C A'D@' @C' J->C' ,@'. C , -A' $D) " 'D@' ,@>C '
IA@ >,X'(' A' +B@' ?-D@CA' -C? A'D ,@ +' +B@'
-CD' ?@ A' ' I> C+' B@' C+'@,@?@A+' ' ,@ C,G'
5' $D) '8f'!J 2'&.' $,$ +' +-' J>,,2' DC
8 B B' ->A+' -C' ,,'+B@' @A @'-'+B@' -?J->AD(
@+G?-,-.G'-'+B@' @ -AD' @,@?@A+' ' -E >C@'
-?@' B-, C' -AA@ +' +' +B'1&) '+-'J> B

B@'!J' $,$1), '8 '+B@' M+B' ' A.' .C?' $ 1) +(
UE>+2' , -'+>E@'> @D' ' 'J6?J2' AD' +B@'&.' $,$1), $'
31)5&"' +B'+B@' ?@'?@ A A.' JJ@ C+-'E@' -CC>J+' D-JY
+-A'-'+B@'5C' -CD' B@'&\' -CD' 'D@A+ ,' A' -C?'
+B' ' -CD' ?@ A A.' 'B--U') 'DC A.'+B@' D' C-?' '
.>A2' C@.>, C,G' ' $,$3'+-' 5 :' 1),.$%1)5$' D' &- Y
E,G'+B@' 5C' -CD' ? G2' B@A' D-J+@D' A+-'&.2'B @'>AD@CY
.-A@' ? , +-A'+-'+B@'A + @' >C@' AD'+B@A'J @D' A'+B@'
3+@C@D' -C?' A+-'!J 'E>+' @ D@A @' A+A. a
' ' -E -,@+@' ?> ,' ? +? ?@A+' 'E '+C>?Y
J@+' +B' ' , D@' , U@'+B +' - ' '+C-?E-A@' -C' ,+@CY
A.'+B@' J + B
B@' -CD' '+-'?-+'C@ D@C'UA- A' -A,G' C-?' +'- >C'
C@A @' A / -A' 2' B@C@' ' ' ? +C A , +-A-' C ? '
$1 . "' B B' +B@' 4 4' >,. +@'C@AD@C' 8D->E+,@ '
-CC@ +,G(EG' C' ' $ 2P,$"' +B@' A ?@' - '
+C A.@D' A +C>?@A+' 8 @@' B D' %- @CD ,@' ;PLP' 8 -C
B +' C@ -A' 'A-+' ,@ C(C@AD@C'+B@' -CD' EG' $2- "
+B>'+U A.' +'+-' D@A-+@' ' AD' A +C>?@A+' +B@' @A@ '
+C A , +-C 2' @J+A.'+B ' M 2' @@?'+-' B @' B- @A'+B@'
C@AD@C A.'T UE>+' -A' ->A+ +'C@ @?E, A @' A' ->AD'
+-'+B@' C ? ' -CD' A'+B '+B@G'B @'E@@A' -,,- @D' EG'
+B@'T >+B-C X@D 'BSM (' AD'T$@ @D"8;KKP(@C' -A
;PLL' ' $ 0 ' ! '8;PL<( ) B@' @A++C G,@ 'E@'@S@CY
@D' EG' E,- GA.2' @G+B@C' EG' -A +C A+2' -C' J, G@A.' -A'
B >,?@ 2' -C' UE-++@ ' $/J%' 9 ' ' &'0 8% ?Y
D@A(=='AD' B ,?@ 2' .E>++@ 2' AD' DC-?@ , @ 'J, G A.'
,-'A'E C.@'.-A.'E@ SC@ 3 ?' ';PMN' '8 @A@ (,))'
'P B@' -CA@+2' +C>?J@+2' B +CJ)' U@E>+2' J ,+@C @ 2' D>,Y
?@C2' AD' ,,' A +C>?@A+' -'?> U@' $/I"I' ' .)'
. &'0 '<L O' p' B B'E +.@' @C@' B ,?@ 2' B .E> B@ 2'
AD'D @C @'-+B@C' A +C>?@A+' ;MLK' B ' '$0 !0
A' ' ? '8@D'P(O=<' 'B@'+B +' J, G@' >J-A' ' ! .E>+'EG'
J>,, A.' +' >J' A=' D- A@' "))A '+-A@' AD'+>A@' ;MQ='
. 6)' . !!')0&C@'L' B@' ->AD' - ' ! UE>+' -C
C>? J@+2' B->,D' U J' C-?' %-A -CD' +-' %-A -CD' ;MQP'
)8 .'C " , ' 7U ';QON' ;M - @ 2 5, .@,,@+ 2'
-, A 2'%-CA@+ 2' ! UE>+' 2' " >+E-G ' ,,'*-GA' A'%B-C>'
' ' ' B ' &-$" ;NK' AD' BC ,,' @C@' B@ CD' +B@'
,>+@' B@' -CA@+2' UE>+' D>+C ?@C2' AD' ,>+@' SK-K
$ - 0 ' SSS 2' AD' UE>+' D@@J2' AD' J ,+@C@G' SKM'
76E' $" ' ' ' &C@,' L' A' E -A' -C' A' +C A @' "@'
E@ CD'+B@' -,@?A' UE>+' J, G
+'E ' J, @C' -A'+B@' UE>+' 1 0
' ') !$' ' 0 8;<NP(' O<L' - / - +C@' @@''
B ?@' AD' E .E- B@'+,?+' J, G+' E@ -C@' ?G' -CD@' -'
!-,-U@2' ** ' ' ;P=N' A' ,$ " ' '$ 0 8;KKK(JJ'S '
O=;' +@?2' -C' & ,,.C A@2' .EJ+2' .@ 2'5! 0 $%&>' 8)'
&2'' 0OP'! S'! UE>+ '5@@' C*' "'O='M'K
6' /' &' $ ' ' D0' 6 @D'+-'C@AD@C' '$-1),$''
@@' B ' 2' $]
$>/%' 1 ' &!"1)'8;QQL(" ' ;L;' B@ @' @ @, 2'
@ CA@D' +-'+B@' ,,' @C+ A' ?) A@' ,,@D' ! UE>+ '
"@A @' ! '@UE>+@C2' 'J, G@C' -A' +B@' UE>+2
;PNL' A' $!0 &,0 !0' ,& !0 8 KKK(L=Q^7 CC A+2' +-'D@, @C'
'E AA@C +- +B@' 9'' @' +C>?J@++@C 2' AD' , -' +-'
:-E)@A ' AD' D ?'Da2' B UE-++@C
+'! U ,,6 ++' 1 0 ^' ' 1(' N' B '1 YH
'E>++' -' U
$%++' ' 8)'#' 'C 0 20 52' 7U ';KQ=' : <L' 7 ,' A-'
? A' +BC> +'+B@' + >@' A+-' ' UE>+' ' $%JJ' = '
?) 0 &) 20 ' ;=<' B@'D@J+B'-'@>@CG' ! U O>++' '+B@'
->C@' JC U' A@* +'+-' +B@' J>A B@-A' ;MPQ 61' &--0
O $' 4' M O>+'B@' 'J +' .C @' +B +' ' J +' B ?@2' AD'
A' E,> B'A-' ?-C@'+B@A' ' .E>+
*) ' '!"0 % J" ' =)). ' . 8 . ' *0 < * "' ;;' 2
% O *' ?> + J'+-,'+-'B @'G->C' / AA@C' @C 'D' A' +B'
C>?J@+ ' & 0 -2 A-2 ! UE>+' ' B ,,' @C @' > ' ;MLL'
- ' ') !'$' %' ' 2 "+B' @,,@C "@' ,,' ? U@'
D A+G' ?> U' ? -A'+B@' U E>++ '
! U ,-+,,8 @ U U,)a((' 5-C? '= @UU , +B@2'
@UU, +B2' P' @U , +B2' '#,-+B2' @U-,-+B@2' U'
,-+B@2' M -U8@(,-+B8@2' ,-+E@2' U -,- +B2'
M' U ,-+B' m' ' N' . V
' ' - C @'+@S+ ,@' EC '8A- '-' , S' -C' B@?J(
>)D' B @ ,G' A'+B@' ? U A.'-'E .' -C' U' AD'
-C'+B@' C JJ A.'>J' -'E ,@ 2'@+ ' U A.
O)LQ=') $-' ,,0' &!!'8!>C+@@ (PQK A' !@UU, +B'
@?J' A' ,, '@+' A' J +C 2'SS *' ' ' S= -'P)7' Q
-1!"'&%'<& 'O<N %@C@ 2' +B@' .-DD@ @2' A' . C?@A+' #
U'F -+A@ ' ?EC& D@CGD' +B' B@>@'\' GU@,G'E@A+' $&AJ'
' 'V ' 'A0 S2' ,'U@'*@'E@A@2' ' @U ,-,B' 'A+-'
G++@' C@?@ G@' ' ;'==N' C &- *0' C$ (M= ;' %@U2' -C' @U '
,-+B@2' -C' J-U@2' $,,) 0 =K= P') $-' ' ,,0' &!!'8!>C '
+@),');P'!-,'JC-',S'>,A'D@'!) , +B'JC-' ,+ CE> '@ ,@ @2'
* ' ;P=K' $!0' 0 8;PMQ(2' $'$)$,,&" A'
> @ -C' U@ ,-+E@' $%AJ = $*') 10 ;' '
8@D'L(PN %,- +B'E ?' +@?J@C +@,G2' ' +B' ' A.,@' ,-+B2'
- ' A> @ -C' U@ ,-+B' ;K<M' $!" ' 2 'O' ,-+E' ' $'
B@' ,+@ +'A- @,+G'+C A' DC@ '? +@C , +@' 'V'C'M='
)?-A'B@?J)U A.2'E>+' ,@+'A-'-A@' ? .A@' -C' A.,@
?-?@A+ +B +' +' ' B@ J' B@' -J@A' A ' .C->AD' AY
+@AD@D' +-'E@' , A@D' +B' +B@ C' B@ +2' ,U' AD' +A 2' AD'
+ @, '-C?' ' .C->AD -CU' -C' @,E-C +'@?EC- D@C @
E' ' +B@' ? +@C ' ' ?->CA A.' -C'J@A +@A+ ,'
. CE ' , -'8A' -A+C +' +B' T J>CJ,@' ' -C'T .-,D''('
'+B@' - C @ +'J- E,@' ,-+B A.2' AD + @' -' '@SY
+C@?@'J- @C+G'%C'B>? ,+G' ' ' $,,.!& '$' '$ '
8O E, ,(' ,D+B@D'A' U ,-+B' AD'B A.' B@'
JC AU,@D' -A' +B@'B@ D' ' ' .A' -' , ?@A+ + -A'-C'
E*@ +'J@A+ @2' , -' +B'$'8 ' ' 1 'P(
B@' J@A +@A+ ,' U ,-+B' - '+B@' O E,@'8 "@E' $ "8 C'
$.V& +' ' 'D)U -,->C@D' EC ' ' - + '-C' ?@, "B C
S) ' 0 ! 5 ' ' A' " -C +?' ! ' !0 0 8 KKK(' ;QK'
,,'E C'E-D' B-' ? D@' E C@'\'D D' J-A'E C ' @UU , +B@'
S!+M) .' $ (S 'O4 B@G'B D'C@J@A+@D',-A.@' .-A'
A' ! U',-+B' -D)@ ' O/J' 3 . ' 'SSS ' ;L'
7 B@A' +B@G' @C@' U2' J>+' -A' ' U ,-+B' $//J) '
$ 0 2 ' '0 8 CE (P' "@' B B@' ,-+@+B'A" a' A' J@' A'
J>CJ,@2'\' 'U A.' A' U@ ,-+B' $/>/'< 7 ' ! '
7U'P;2' ' A' U ,-+B' 2' A- ' ?' ' , D' A' ,-,D'
A@' @ C@' > B'CDE@ 2' ';' ?G @, @'+ U@J,@'E@B-,D'
$/0%' ' 0'A3' 'B '#' +-' >.?@A+' B@C J A@>6'
J@A >A @'?-C@2' B@@ 'A@S+'B@C' C AU,@D' U A'C->.B' U@
; '

[illegible]

[illegible]

[illegible]

[illegible]

'>J'8+-G'G+E$

! % " !

0' - 0 0' $, $- $)-!H' ' ' 2' ' ' 2 /' /' 2 $' K $ $ $, $ (3 '

! ' ' ' 4 '> /' ' ' $, $ "' $ O$' $, $)-') ' "C'D' $

' ' 2 '! ' ' 3 ' $!J' $ "' +' $, $ &H

[illegible]

3 /0000' $ 1 0' $ 3H' K$

O $, $- ' 3-')$ $, $- ' -' *

D' N' " V' 8 ' ' ' / 3 '

$

[illegible]

J $' $ 0' ' 'MWRVRY$ K= 0

" ' (1' * C' ' 'N ' ,$ $, $- ' '

)O .DL

':/ Y ' 1 ' ' " ' ' ' '

$ 1 0

[illegible]

/' *!0' $0' - ', 32 0' B* 'N$L'

YG ' ! ' ' 8 $

[illegible]

9 2$

$' $ UH' K$

H' 8$L'

[illegible]

$$! ' ' 1 ' $

9 A /Y9$' 1 0' - 3 0' K J' '

8+-G 10' ' a+$L' ' 0' G ' ' I

$ ' A ' 1!0' 10' '**!0' $0

[illegible]

2/' $ 0' 1 0' $ 0' I '

3 ' "H 7N' 2$

[illegible]

3) $9 8./A$ ' 0' K$ '>J'J'

E8N H ' $L' ; / ' / ' 1

! / .-' & 0 ' .0';;(3$

: G '?) $9 ? .$ P '

) .$ KO$ $)-($ $, 3($, ' / 2'

' 'J S8/L

:$ &-$'' ' D0' ' 2' ' ' 1 '

!5 ' 1 ' D' 2 '

D' / ' ' ' ' 4

' ?' ' ' 1 ' $

[illegible]

E ' 0' ' C@J- +-CG' -C' B +' ' C@D' ,>

I>-+

[illegible]

;$,,!(G ' ' 5 2

' !S T

' 2$ 9

[illegible]

!$ ' * '> >@C' 'A

[illegible]

' = ' ' K O/ $' *,'

1' '* 8$5) ' " $.

[illegible]

32$ 1 0' ']_ /b 4$ /

'('J, @' B@C@' C@D' -E*@ +' C@U@J+' '

C@D' E> ,D A.' -C' J C+?@A+' ' +@?J,@2' BC A@2'

A +> CG

[illegible]

»$0' % " 0

[illegible]

;$ * ,('> ' D' ,"'N $

[illegible]

+'! %C +@2' $0' 4**!3' $0+' 1 0' , -'M' -C +'

I D' '$ 3) (J 'JJ,@'-' ' $ 3 ' @@A@S+ a'

%-A @ C +@D2' D@D +@D' +-' -D' -C' 'D A +G' B ,Y

,- @D2' C)

[illegible]

+! @ +@2' 0' 1 0' $ 0' ^ ' '$ 3(JJ,'

' 8' $, ' ' 1/L' $' 0' G ' I

/ $

[illegible]

+'!\% +-S ' 1($ (K O & &'3 -"

$ ' ' $ $, $ ' $L' > $

[illegible]

^! C +G,@2' + ,2' $ ' '

[illegible]

< /' C A+' ' !' 1(

+! "%C@.' 1(1(^ ' #52' $, "' -' + - -,D'

-C? +-A' ' 8 (' A' @A @' 2' D' ' $,)-"' -C .2'

/ '$, #("" ?')N.' ' ' / '3 ! '

' $, 3' ' ') ' L.U/

;$ ' ' ! 3 ' ' 3 D' * (

1 /

[illegible]

/' '%-A @ C +@?' ' B@' -C-A +-A' -' '!- @C@ .A2

E ' B@' @ + ,'-'%ECJ> '%BC +' $ (

[illegible]

i'! CM ' $0' 1($ (^ D' ' $, 3"' $, (]'

! C@D2

[illegible]

[illegible]

E-DG' AD' E,--D' -'%BC +(' A' +B@ 3

[illegible]

E ' -' @,@EC +@' 8+B@' > B C +(

[illegible]

$ YG '1 $ $ G >V

[illegible]

/' ' -' -A @ C +@' 8 'U A.2' E B-J2' @+ (' +-' - @'

%-A +2' +B' -?J,'-+)@ +' 8 A'*$ (" >E*@ +(' ' , -'

&' 8 A' - @(2)2' ' &' 8E B-J(

[illegible]

E ' ! D' -'+B@' @ @,'> @D' A' A- A+ A.' $ YV

[illegible]

K' -'B ,,- 2' E,@ 2' A + G2' ? U@' B-,G

[illegible]

!' -' D@D +@' 8 ' J@C -A(' &' ' D@ +G' B @,G'

*$ (

[illegible]

E ' -' D@D +@' 8 -?@+B A.(' &' 8 ' J C+ >, C' J@CY

-A2' 'D@ +G2' -C' -?@' J@ ,'J>CJ- @(

[illegible]

!B@JB@ CD B D - +@A +- -C@ + ?@ C@D A+- +B@ ?JA@
-C +B@ C .C@ +@ + - C A. ;P<; .3 ?$ $ 50
PLK "@C@ +B -,@?A - @ C@ 6A+- +BG .,-CG 3 G
"@ C+ AD C+2 ?G -G @2 " AD2 " CJ2 AD ,, SM 1 (
+ + , - /@D ;O B C + : C@ >A+- ! U 6'
?@ SM - 1 2 ' 0 $! J /@D 2 " -
@>@C G->J,@ @+- D J- @- B ?2 +B + B>?E,G C@+E B ?
@, @ AD E@ + E , + @ +- B %->A+C @ .--D

>$ G) / !

/ $. & 2$

O%JJ 1 ' . . ,,$ 0 %(e MP B@ A @A+ B @
C@D +B 0 CD ^+B@ - ,* +- D-?@

M -+ U@ -,@?A - +B $ Y> (
S*!-) - 10 ;=NP T) @'2 D E@2 V + , G D-2 D-
G ?@ A- HL" ,,@g T & + , G A-*+ I> B B@ :V-2 T + ,
(> ?@ B A UC@D + ,,@D J A #,G>@C B>,D J B B A
+C@ @,G -C +- B-,D@ 0 G B J- @C ,V + ->@A A+
M '&', 3) 0 - C@? +@ C@, . ->
;MMP ' $ 0 8;MQQ(=M B@ C 5>A@C , C@
- +B@ -,D + ?J2 C A. +B@ %-CJ +- B@ A B-,G + C@
9! 9 9

(D0 8 UC (2 0 ^ 5 $ (, + T C@D > @D
!! * 0 A - +B a ' 0 - >++@C +B@ 5C@A B
@S , ? + -A T C@'
KLQ . . 0 ' 0 O=K @A.@ >, CD@
5C A< @ $, ' 0 +B UA + EC- 2 + C+ ->+ -A B ?
$ J% 9 = .3 . . V$ & 0 SS 2 B@ 5C@A B? A
$, AD >?@D2 AD +-C?@D

/ 3 ! 1 (

(D0-<) 6Y= 8./ $0 10

(K$ 1 * $

B@ -C . A ,JJ, A-+ -A B 8 +B@ JC-A>A + -A AD +@ (
D JJ@ C@D C-? +B@ > @ - +B@ -CD2 B B A- A@ C,G
GA-AG?-> +B +B@ $, 0 ? , C B A.@ - ?@ A
A. B + U@A J, @ A +B@ -CC@ J-AD A. $-? A -C? 2 5
) 8 B B JC-E A ,>@A @D +B@ A., B > @(2 !J 2 &.
$ $ &0H
$ B0

+ # +B@ > B C + @,@?@A+ %-A @ C +@D
S) 7 J & @C 8;KKN(=M 0>+ A- A ,V@ C@>?@ -
@A.,-AD +CG>@A ? AG@ - C D - +2 , 4=PN $' . '
LKL A $, & C!$" ;P 0G -UUG E-DG UGCD@2 B >@
> B J@GA A ?G C?@ (MNP 5-C %-US@ E-DG
UGCD@2 ? U@ J @`

/ 85-,,- @D EG (%-A @ C +@D P@ +@@?@D
@ J@ ,,G D@ C -C @J+ E,@ & D@ +G

S 5 6 2+778 B + -A ^+C@@a +- +B@ -AA@ B +) B C
UC@+ 0 $) C B@Da A +B@ ?-A@ @C+>@
, $&+>) &E P ' (==NK - +C@A B@ +-A
G +GD +- +B@ ?-A@2 B@ +-+B@C B , @D +- &B@E> , ;=LN
] ' (C& - 8&@C G !- (O;= B - ,@ C@D >A+-
: >J +@C 4Q4< / ' . - ; ;M B@ 5 C + - 3 G
B E@@A2 AD ,, E@ ! C@D +- - @ A ,, J-, +@ + -A
$> 1 0 8;Q<O(") * B@
- U C@D +- B ? E@ > @ B@ C + + >) + ? AU AD +-
, @ >J-A -CA $ >& B - 0=L< B@ D- @ C@D
+- @A>

E / @D +@D2 @+ J C+2 @S ,> @,G JJC-JC +@D
& -?@ J@C -A -C -?@ J@ , J>CJ- @

;MKQ = . C (0 ONK - D@ +C> + -A C@D AD
D@ -+@ 1 0 S <O= " D + E A -A@,G - @+ A. +- G@
B + C@D 5C> +2 C@D +- E + A@A @2 SG A &!E, 0
* $* 8;KNO(;N ! C@D +- +B@ ?@?-CG - ! ?>@, O>+,@C
;QO< B . - 0 7 U ;KQ= Q< B@ C @ E@ A.
- @C2 B@ C@+ C@ ,-A@ +- -, +>D@ C@D +- +B@ @ - -A
;QK= %- & $ $. 2 0 PQ; ! @A@ ! C@D +- A@ +A@ AD
C@J- @ !CS & 0 < & 0% "* 8 EC @D L(
QPM B@ J JGC> 2 C@D +- , +@C +>C@2 S \ S ? * >
* ", 0 =<O J,@ >C@-B-> @ 3 D@ C@D +- B +@C AD
B J-> @2 S) 8 . , 0 e O=P B@ J C+ 8- $-? A
B-> @a B B @C@ %C@D +- +B@ > @ - +B@) A ,G @C@ +B@
J@C +G,@ ^@+ a

2 # +B A. 2 J, @ 2 - J@C -A AD +B C - @ 2
@+ !@+ J C+ -C -C D@D +@D +- -?@ C@, . ->
J>CJ- @2 AD B@A @ @A+ +,@D +- @A@C + EA -C C@,
. -> C@ J@ + ? D@ B-,G EG - + -A +B . -D
-C -+B@C -E*@ + - -C B J -A @ C +@D2 B ,,- @D

S=S O-) 7 & ' 0 & " ;; LKOO $@, I) >) C D2 ,)@
B-,G @U@ @ @, 4P<N 1 0 A0 . S, LQ ! D +B@A
+B@ & , ?@C T - B@C@ D-@ JJ@ C@ B@ C@D - ,@
B@C@ ,, ->C J@C ,, @C- SMSS ' 0 (;; ;KL2
B >@ D J +C 'D - C@D /@,JB- 2+- JJ-,,-) @?J,@2
%,@-?@A@ AD / -A 4MQK B) 8 ' !!0 " (
P;N !-?@ J--, B @ E@@A ? D@ C@D -C +B@ C ??@A @
JC- >AD +G AD -J +G2 $ $>+& 8 & ' 0 = $, ')
$,! 7U ;QN< A ;=Q B@ C ^+B@ :@ B &C @ + '(
C@D C?@A+ @C@ - AA@A 4Q)) ('
$ ' &!!$ ' LM2 +C @ +B@ ,, .@ AD +B@ C@D
J C@ ;K;< $ ' .& SSS 2 B-> C+ -A@ - +B- @
D -CD@C,G ?@A2 B-2 + U A. -A +B@? +B@ C@D B C +@C
+B->+ D>@ > @2 JC- A@ +B@ B-,G C +@ 2 . .
"- ' ,(SSS ,2 0G C@D !+GS ? .B+G - +B +-
@ C ;KL< . 8 . . < QQ C >, C E> ,D A .2
,,@D +B@ &B,, JJ@>?2 +B A +B@ C@D JC@ A + A B ?
+B@ #,G?J . ?@ @C@ @,@EC +@D SKWQ 9 .
"* - 8 C $ $& I B@ C@D E- + - +B@ D@ D
4KKL " B. A ' , " , !0 ? 0 4 LLN O B> +B@ 0- +C@@
8-C J JJ ,(2 - C@D ?-A. +B@ 0>DDB + - %@G,-A2
+ ,, B@C B@D A@ C ?- I>@ 60 ' =)) . 1 0
4 4 MNQ O B@ -+B@C ^ @a2 C-? %GJC> 2 B +B@ GC A
C@D +C@@2 +B ? , C .> CD A A ? ,

E $, 1&&.(2 ' (@+ -A@ - +B- @ A
B B +B@ , AD +@ B A. - C@, . -A C@
@?E-D @D $, & " 6 @ B +-CG -A+ A@D
A +B@ 0 E,@ $1 ') - 1 A>?E@C 8@ J @ @A(
+- B B ++C E>+@D J@ >, C D@J+B - .A
A @ AC@, . -> G?E-, ? $, *& "5 J-@+CG
-A @CA@D +B C@, . -> +B@?@ $, -) ,
?> B B -?J A @ C@D -CD -C B B
B @C+ A -,@?A B C +@C - + - A $,
,&', -A @C+ - C@D ?>

;P<L (" 9! O ' 0 (M; " 7@ J-A ^ C@a B-,G
! @ - C@D 7 C +2 $ cMR] ' & ' (!0 8;MLL(
P< 7 B- -C +B@ J @ - @A A@ G@@C@ 2 EC->.B+ B ?>J A
C@D ,@++@C 2 S) J " HH0 & $ 0 2 ! G "@ A,G
3> @2 B ,, A-+ +,+G C@D @ A -CD JC@ @A+ +- +B@ A
A+ -D ;M<Q) 0 ?) ,&!0 P B@ , + .C@ +
.@2 -C@+-,D EG C@D CBG?@ $@A@ + A B3 ->C @
4QN< < =) " ($ ((0K !@ @A ! C@D
>?E@C2 B @ ,G > @D A " -,G ! C J+>C@ 4QK4 8 1
&* ==< B@ C@D E--U A- ,-A.@C > @C C-A. O->AD
A +B@ @++@C - A >AUA- A +-A.>@ ;QK=) $. 3 . ML=
@A +B-> AD + & + @A+,G JC@ @A+ + C@D -A. SK)
' , " , !0 *0 4 !>E A+C-D QL ! C@D " +-CG +B +
A CC + @ - @ @A+ 2 -??@A A. C-? +B@ C@ + -A - +B@
-C,D2 B B C@ -CD@D A +B@ 0 E,@2 AD - ,,@D2
E@ > @ + >?@D +- E@ C ++@A >AD@C D A@ >J@C AY
+@AD@A @2 AD @ D@A+,G - +@D +B +B@ E@ A . 2 J@CY
@ + -A 2 AD J, A - / @ +G SK) ! + % + ,-.>@ - +B@
EC CG - +B@ ! C@D " C?-A !- @+G2 $ 4KP= ")
, 0 ' 0 0 8;KQK(O+ B@ C@, + -A A B B C@D
J-@+CG + AD +- C@ @ ,@D +@ B A. AD " -,G 7 C + 4KQQ
= 9 . . ') - ;L AD B -A,G -A@
C@D , A.> .@ AD -A,G -A@ C@D) , +@C +>C@2 @J+@D
AD C@ @C@D EG ,, DB@C@A+ - " AD> ? , U@
$!" - D@ +G @A@C E,@2 B-,G

%M&_) (< & (A =M; - 2 C@D & ,@ 2 A
,- +G !+C A A. +B@ $>C , " -A->C - +BG $@ .A
$ ' 5$ 3

3 !

$ $

4QKL " ' &* ? ; ; POM ! C@D %> U- 22
AB E + 3 , E C2 B@C@ +B@ A + @ B-,D + C@D 4Q<N
: 9 6 ' !0 &"0 0 0 $! ;<L 7@ +B D G B-+
+B@ ! C@D 9 A. 5 B@C ;K=N +C) > ' - (V ' 0
O=L B@ ! C) E 4 (0 ! & +0 SKMM $ (?& 0
#& 0 0 ?E--2 C@D2 - +B@ %B A@ @2 $' ' $ & - ,$0
1 0 QK; O !) - 1) - * , &) - (+B@ ! C@D E) +> ;KQN
(. $ ' (N&&!0 SSS + KQP(MPQ B@ ! C@D
3 -AU@G - +B@ " AD-- - '&* ,) ' !1 +(;KQQ
: < A ' , " , !0 ? 0 ;L; O B@ ! C@D 0@@+,@
- .GJ+2) ,) $, (;KQ< % & # 1 0 QO
E/ 5O B@ ! C@D 5 .2 & JJ>,2 -C 0-2 ,) ! & $(
! $ ' "%(AD 6 ($@. CD@D +B -C @A+ +,@D +-
C@ J@ + -C C@ @C@A @ ? , C +- +B + B B ++ B@
+- B-,G +B A.

4PMN B +C ! $' > &- - 0 O=Q A - C@D @A +@
8 7 +B@ %->A , - C@A+ -C . ' $ ' $)) & ,&' ')](
O/0O Q ' 0 (=N " @ / - +B E>+ >CJ@ +B@
! C@D A ?@ - 9A .B+2 &C-JB A A. +B ?D + " -A->C E,@
#CD@C2 ""1] $ - 0 0 KS ! C@D AD @@+
,, A B@C $ O%&/ 9 . . C ' ( ) + 9 -@
E-G@ AD C @ +B J -A -A +B@ E CU@ # G-AD@C +C@@2
B B + AD +B@ C@D ? CU@ # A-E,@ ! DA@G E C+B
;KPM 8 . ,((' $ & % $2 O&-@+ AD ! A+
+- +B@@ ,-A@ C@ . 'A B@ + - ?- + %C@D ?@ -
) C+B AD "@ 'A 4Q . * 0 - =PM 5 L B@C@
-?@+B A. C@D A 3 @CG +- .C@ + AD .--D 3 AD
4QP=< C & (C& "<= #J@ +B@ C@D ->C @ - G?J Y
+B@+ @ C ;KSL . . A0 1 ;NK I C@ B@ A , J
B ?-+B@C' C@D A ?@ ;K= 8 7 V 0 0 V 0
$ 0 ; +1C 2 G2 ,, +B J C+ A. nD@ +B B@ C@D@C
G->C ?@ $-CG E@ -?@ ;KPL % !! SS 2 -
@ +B@C EC A@D B--, . C, A-+B A. C@D ;KML ' 8 R
) ! &- ; ; = 0>+ +B@ ?- + C@D -E*@ +
- , ^ + C@@A B " - J + ,a C@ + - - 9@, -A' - + 2
>AD@C @J C +@ ., @ ;KQK $ 7 . , 0 C $, (
S O<O -G-> ?@C ?> + C@D @,, :>D@
E *(A @J +B@+ - C-G ,+G - B @ ,G
(-C $, -C?@C,G - +@A A +B@ JBC @
= ("&) + - & $, $B "(

;;P<N : & - 0 0 ;LL ,> + @ ?- + C@D / >U@
. A + +B@ EE@ @ 4P<<] ' ((Q -D AD E
A.@, .> CD G->C C) BC-A@2 AD ?) @ G-> -A E@Y
-?@ + S) = -) C .0 $ 1 , . A + 2 ! C@D 9 A.2
0@ D@ @ +- B UA- A@ ? , @ ; ;KL< = * 6 ' .
A V 0 C$* 8% ?D@A(QM 3 - + C@D !->>C .A@ NSK=P
9 . . ?$' $ " ,$* P= 1@+ +B@ E-,D
0C + A + ,, @ >C@,G C- 'D2 %B C,@ AD B @C+>@
+B@ C C@D ,- D ;QOM 8 6 <) !! 2 B + B
C@D 3 *@ +G2 AD +B@ %->A ,2 B- C@ G->C :>D.@ 2
@C@ ^@+ ` ;QPQ , < '0 - 1!" < & $ 8;KK;(4OQ
7 @ +B@C@ -C@ JC GG->C ?- + ! C@D 3 *@ +G +B + + ? G
E@ A +@D

A C + > @

$ A+ . . 4 *) P AD +B@ @ ?- + C@D A@+B@C
JC-?-A+-C @ @ + @D +B , G@C - + 1 0
; 4NQ B + B@C ?- + C@D 3 *@ +G B->,D E@ A +@D +-
++@AD +B@ @ + - 5 ?A@ SK) = .) 0
&C@ ;Q - -E+ A C-? 3 C 0@A+B ? ' @S@ >+-C C@D
E-A@ - B .C@ +2 D @ +@D 3 +@C

M !@ >C@D EG C@, . -> @A+ ?@A+2 C@ @C@A @2
@A @ - *> + @2 -C +B@ , U@2 . A + -, + -A2 AY
C A.@?@A+2 -C @A C- B?@A+

O/J+ . 7 M<M O -> B +A +2 + C@D2 $ $/& ' . .
&'((2 0 N (!G+B +B + +G?@2 A@>@C - A
D@>->+@ UGA.@ +B + @>@C A+@CJC, @D +B + C@D JC >6@.@
+- C -, +@ O%+J [$ 0 %& 0 ;=<2 ?
-?E A@D EG C@D - $%%> B - 0 8;M<Q(
O< B@ C@D@ + 0-AD B B +B@ %DA @A @ - 3 A A
E@ E->AD +B O A 8 0 & 0 A2 ! ;<
@+ +BG # +B E@ C@D S) !S 8 1 $ " OK B@
C .B+ - ? A @C@ C@D A B @ $>0J ' . - (
8;K;;(;KQ 3 A+ A A. B + A +B@ A@ - E>, CG -
? -D@CA -@?- C G A ?@D +B@ C@D C .B+ - A >CC@ Y
+ -A $ &0 = B . 0 ' 0 ;L< "@ >C@D
+B@?+B + +B@ C JC-J@C+G ->,D E@ B@,D C@D) ;KPP 1 (
S O;N !+C-A. D@ C@ AD C@ @A+?@A+ B B B@ ? Y
+--U -C C@D D>+ @
$' %0 ;M<Q) 0 < & (OKN - E>XX A.
!->AD D +>CE +B@ C -,D@A !,@@J2) C@D ! ,@A @ ,,
E # J@C -A 8B@A @ - B - @(" A.
C@, . -> ,G @ >C@D ??>A +G C-? -,@A @ -C
++ B?@A+ C- A +2 A -, E,@
;PK 1 $)) ($, & $', $*& $ (+B@ C@D
AD A> -, E,@ J- @C - +B@ C E>A@ SMSK !&)
2 8;MLM(4= B@ >.>C B J E@ ?@ C@D ?-A. +B@

$-? A c_& - B) $ =K B@ J@C -A - ! +>C
A A> AD , > @C@ D->E,G C@D2 -C -A@ +C E>A@
AD +B@ -+B@C JC @+-C
7 +B) D &C-+@ +@D EG -?@ A + -AGB
A*>CG -C A >C -A
$> < , !0 0 S, ML - J, @ @ -C
C@D C-? +B@ C D@JC@D + -A $ &/ 1 & - - (
$2 ' 0 8;KQ=(=Q< "@ B ? @, C@D C-? J>A BY
?@A+ - @ @CG D@ C J+ -A $ &> C ' , ;PO
J+ A +B@ C? - ,@ >C@2 C@D C-? +B@ E, .B+ # A @A+
A ,>@A @ AD -CA
/@ -+@D +- -?@ J>CJ- @2 A-+ +- E@, .B+,G
A+C>D@D >J-A -C B AD,@D
c M ! 1) 0 ;P B> B D >JJ,G B@A
@ @CG +@C U A @?J+G2 AD -A +B@, U D G ; D D@D
?G C@D +- U ?-A. + +B@ ?@A
N @AC @D 8 +@C C *C) C C@I +C A , + A. -C
A ,,> -A +- C. , ' $) $, $%$* =" ' (
.2 3 -
;PKK I I55 I ;ON #>C ?JC@ @ +B B@C C@D
+ - ,, A @ AD @A. A @ -A @ C +@ 4P<M 1
S6 # C@D B>A.@C - ?E + -> ? AD@ SK--
& ' ' $) 7U ;KQL +BC->.B .-,D C@D B>A.@C
+B-> D- + J A@ 4M;P) $ 0 ;OO " +B@C +B@
C@D +B C + - . A@ ,,>C@+B +B@ D>@A+>C-> ?@C B A+
G@@ F ! #H) 5 I< 4- 5-C C@D B>A.@C - ?G -,D
: D @ 4QOK =M * ' 0;# @@E,@C @ : G@+ - +
B@ C@D -A - @A.@ A @ -A B- @ ->C @ %-CC- @
? A@ + 2 AD U ,, +B@ G@ C ;KM= B ,& 1 0
!? ++@A +B C) C .@ -C +- J- . C) BG

2 !J@ , -,,- + -A C+@CG 8 @@
I>-+(! C@D S@2 ? CU -A %B A@ @ J-C @, A2
>JJ- @D +- D@C .A +@ CC -C ! C@D E AD2
< 0 ((E-DG -A + A. - LNN G->A. A-E,@ 2
B- -C?@D J C+ - +B@ J@C? A@A+ ? , + CG -C @ -
B@E@ C-? 0 N LQ< ! C@D E CU ^!J , ,$ $
$ $ $c](+B@ E CU $ - ') C) $') -
% , -CA 2> @D +-A J@C @A+ ! C@D -,Y
,@.@ 8 @@ . . 7 $D ! -C@D @, S C
' ,) (+ ! C@D ,?J C@2 +B@ " -,G $-? A
?J C@ ! C@D C@ ^ 2 $, ' (@@ ' .
6 V! @CG J@, ! C@D ? , DG ^ $,
-& 1)](@J ,@J G = " 0 &,(5(;K<Q(! C@D
?-A+B2 J, @ 8 @@ IA-+ (! C@D + A +>C@
^ ?-D ' ,) $ $, $H @@ %B ?E@C ", (
)**(8;QPL($:$!&](JC@J C + -A CB>E CE
AD ,-@ 2 ! C@D @ A ^ '$ $, $] 8 @@
I>-+ (! C@D 7 C 8 @@ 9 D!
;KPM . B <!& & 0 "(T $, "(
EC A B - +B@ ._@ + C+@C @ D@ @AD@A+ EC A B2 .-@ +- +B@
3 CC- B B A +B@ $,) - 0 SKKM 66 $.
C& "=C& , !$ ' 8@D O(LK< B@ C@D S@ ^%B A@ @a
? CU ->AD -A .C@@A J 3 @, +A SKMK : VV 5V C& "
= C& , !$ ' S 8@D L(OQ= B@ C@D S@ .A@D +-
CC -C 2;QQN 7 C!) $, G (C !&* $
LLP -C. D - ?@ G2 C + -C?@D +B@ T $, 1$' 0 >
4K<4 ') " 0(T $, 1$ .0 ;K<Q A " 0 &,0 5(
[' , " , !0 ? 0 8@D L(4 PN; :%c $, !5 0 SKS
& ' 0 *0 8;K;K(MMN A +>C@ - $B>E CE
AD ,-@ -C?@C,G2 ! C@D , S C VSKSQ = 3 ' 0
0 OK= + D@ C@@D +B + B) @ +@C A @ C@D ?J C@
+B@ >AD@C C ++@A J @ @ - ?-A@G B->,D E@ -GA@D ;M<L
- !$' ' > (&'$ 0 0 S ;OQ A +B@ G C ;NK<
+B@ ! C@D 5 C@ 2 B A. JC@ D + @, A+- @ @C ,J C+
- >C-J@ ;KQO 7 = . 8 0 ' 0 LM;
?-A. +B@ -+B@C @SJ@D @A+ +B + B D E@@A >..@ +@D A
+B -A @A+ -A ^- %B C+ + D@,@. +@ 2 ;KLKa +B + -
-E @C A. B + ,,@D T C@D ?-A+B D>C A. B B
+B@ AU A. , @ +EC->.B- " +B@ B-,@ U A.D-? @C@ +-
E + A C-? @ @CG U AD - , E->C2 A +B@ B-J@ - -?J@,
, A. +B@ .- @CA A. , @ +- -A @D@ +B@ B C+@C2
" , 2 A +B@ , , 2 T $, J, @ B @ ,G
D@A-+@ +B +2 B@C@ J@C -A D@ @ @D B E@@A A+@CC@D
c_& ' , " , !0 ? 0 8@D L(4 L<L S ,-@+ A@2 -C
C@D + A +>C@ SK M . B <!& & 0 0 ' (T $,
' '$ $, $+ +B@ @ -AD EC A B - +B@ , AU @ A@ C>AY
A A. +- +B@ $,) - (AD +B@A @ .@++ A. +B A ?@
O 10 * (^ +@C $, $ A@>+ J a 1 0
! C@D C +@ -C -,@?A + @
%MN] ' 8) <) ' $ .0 #9 "@C ! C@D AD 5@ + ,,
7@C@ ,,@D A.@C-A , c b: 9 & ' 3 ' m;QOP(
MN B@G? .E+ E- E@B-,D B +@ @C ! C) @C@ -,@?AY
X@D +B A +B@ %->C+ - +B@ C .C@ + :>J +@C % J+-"A>
c &< . 0 < ' ! ;; A LP B@!@) C@D @C@
C + @,@EC +@D A +B@ + EG +B@ @ !B@ JC @ , - 0 B>
%_]c 9 ' * & 0 ' > e L 0G B) ? A> C J+ @
C@ ?-C@ I> A+@D A +B , + @A+>CG +B +B@ >CU B
C@D +B A AG -A@ B D @ @C A -C?@D > %_]& C . !(
$' 0 4 O;M B@ $-? A E@ ?@ @S+C@?@,G -AD -
+B@ 3 +BC ! C@D
/ B A. -A @ C +@D -C - @C@D A C @ +-
+B@ .-D
SM-K 1 . . * ' O= B A U@ +B@ B-,G D B@
/ D B + +- +-> B2 , U@ + ->,D +B@ C@D + + ;MO=
' 8) <) '$ .0 ; =Q B@) C@D +B + @C@ ? D@ +-
+B@ @2 @C@ EG > B B A. @ J@D AG D A.@C->
D@ @ @2 -C J@ + ,@A+ UA% @2 E D E A J C@D EG +B@ \+@
! C@D >+@A , -C @ @,
SKK : 9 & ' 3 ' 8;QOP(O;< B@ "@ D - O>,,
B @ E@@A ->AD A AD E->+ ->C A+ I> +G2 +-.@+B@C
+B -+B@C ! C@D J@ >, C,G JJ@C+ A A. +- +B@ 3 A +C Y
+ -A - B@ C D-* +C-> $ +@ $ %0 < . 0 < ' ! ;
4 PM " @C-..GJB @+@C 2 @ @+@C @A.C @A A C@D
! C@) G 8 UC) (2 - - Y". L A V
7 +B C@, . -> -C +C + C@ A -, E,G +B
C . D ++@A+ -A +- +B@ +C>+B
4PK4 ($! ' G ' 0 ,2 8;ML=(OK B@
-C . A ,, E--U@ 8- +B@ a + @, @ JJ- A+@D +- E@
C@D,G U@J+ A +B@ @?J,@ NSKQQ ' . C - 0 0
$'0 A ;LN >+B-C U@J+ C@D,G AD A -, E,G ?
@C+ A C B @ $>+ ' ' &!! , 0 ;7 : A 8# " ! (

```
;ML #E @C A. +B@ @ # +B 2 C@D,G ;KQ; = )B6 -0
C$ - & S ;;O B@ @ , A. >C+B@C ?J, @D +B + + -AY
+@A+ @C@ C@D,G,- U@D AD -A @ ,@D C-? J>E, . X@
A C@D -C C@, . -> ? AA@C
;M<= =6 ' $ A0 $ " ;LQ @S+ ? .B+G & A2
B@C ,,> +C -> -CD2 " B .B @.@C@A+2 C@D,G
D-C3 ;KK= / &- - 20 OM 3 C )LP O ^& >,' a -A,G
- @C A. +B@ >? +-+ , - B @A+ ,@ -A @C+ 2 B-?
B@ C@D,G AD *-G >,,G - @C@D >A+- -D

! C@D: @!!8 ) UC)A@ ( Y" # B@ -AY
D + -A -C I> , +G - E@ A. C@D 8 @@ +B@ D* (
SMKS M # . 0 % A 7U =;M 7B@A
@ -A D@C B- B@ @ ,>D@D EG +B@ A A +@ C@DA@ -
B - A 3 *@ +G C-? ,, ??@D +@ )A @C @ AD A+@CY
->C @ +B > ;MK< &' 0 ),, ( !! 0 PL B@
! C@DA@ - A # B ? U@ + +C-A. @ +- E AD >
!Q<Q = ) .16 $!$''S 2 ,,@A ??@D +@,G DY
? ++@D +B@ C@DA@ - +B@ JC-? @ B B B@B D -C?@C,G
. @A ;KPM - B) 0 ' 08;KPK( L=< !> B
+B@ ?G + , -C@DA@ ) B B ,>A. E->+ +B@ -CD A@D
,@C.G ;KMK: ! = .. A & '( $ ;L 3 C2 B@ C@DY
A@ - JC-J@C+G -AA@ +@D2 A ?G ? AD2 +B @@, A. -
+B@ .C@ +@ +C@ J@ + SKKP[2A ' 44) 7B@A
+B@ C>,@ C + A @A+@D +B@C@ !-C+ - C@ -A -C +2
@C+ A C@DA@ ++ B@D +- C@ ,@ + +@
/ 2/ ! $ *
$ +R*+%?$0
K / / / ! $

/ / ! $ / 9
/
* (D0 .D74 =* 1 03i K 0 $, ,& 3$ 3
? ( H ,&!3! / 1 .H
;! a ) " $.
;Q Q Q. 3 -B 2 $,'$ ( D@ ->+ 7 -C B JJ@C
*=(-0 .?=07 = ( 1 0 $ d 0 H 0500 $, %
%0 $, : $, C@D = $, $ A@>+ $/ C @ ( H
36 H @@*$ . 8!@@I>-+(
$%/% . B )% $, % &) +B +E@ C B-,G+B A.
:. (D0 ?.(:P4- 1 0 $ 0 P0b0 $, B $1! (
$, 30 @@ WL C $
O%+J - . & $ ' SS S2 5-C +B@ @ C@+ B@D C
E,@ J@-J,@ );; >, - .,@@2 A. A.2 AD D A A. +B +B@
C@ +2 +B@G JC@ @A+ +B@? @, @ +- +B@ , >.B+@C
d (D0 .? 7 1 0 $ Yj0 T $O$ $, B ,) (
$ $, 3( $, = $, $ $/ .H
^6 ,) >$@ 1 C
O>#> . -, 2 $, B ,.( > @D A ! C @
/ '$ 0 $ 0 K $O$ * "
1 *$ . +
/ 3 ! = ' 0 0 % &%.$
* (D 0 .?4D(34- 1 1 0 $ >0 H%0 0 $, 3
% ,$ +- C @2 $ $, B 32 JC $$
* . % J E,@ - E@ A. - @C@D C @
) ;M=M ! 8 C ) 0 0 S 8;MP\(L;N1@+ J .B+
+ :@JB+B B - a E@ C@ +C A@D A +B@ @A @2 -C B + -Y
@ @C C E,@2 AD *> +,G >E*@ ++-, >,, ??-, + -A
H (D * .? D(4 $0 1 0 K $ $$ $, % $! ( $
$, % 3 6 'O$L P
2 $
SM-K $ ! % ?$1 !3 B@ E,@ @D B , @ - +B@
2 >,+ C B +B +B- @C @ C , E,--D A + +B + !B@D
J-A +B@ %C- @ SMKD 9 5*& 03 &, ( 0 0 MP
7B@A @ @S ? A@ +B@ C + A ++>+ -A - +B B-,G %-?Y
?>A -A2 @ AA-+ J@C @ @ ?+B@C A +B@ -CD -C + DA -
->C O,@ @D ! ->C2 AG ! C , + -C SJC@ -A ;Q)
9 A C !( $' 0 4 ,4 PNO JC @ +@ - O B> 2
B B A -A@ B AD B-,D +B@ C , UA @ Q<M B
0 C $, > 7U ;KNO P;N B@ C , ? A +@C 2
8 B- @C@ -C+ - A+C>D@C A +B@ -C B J - +B@ A@
D A +G(
! C +8 )UC U)A+( $ 0 !$0 ( 0 $ G
% ,$' -( $ $ $, , H @@ $
#A@ B- - @C >J C @
SMM : 9 &' ' 8;QOP( ;NL B@ ! C A+
? .B+ E@B-,D E-+B +B@ ,+ C AD !+.A>? KKP : - UK
$ /H50 , )!0 » , - H0 ` Q B@ + A% + U@
G +B@ ,@ B D +B@ + ?
(-4D ? D(.* 7 4 ^ D $, B ,$ &'3
-( $ - *@++-A - $, % ,P 30 @@ $! 9*
B@ + -A - ? UA. C , - @C A.
;M<= = BL $1 !$ 8;QLQ( OL AD +- " AD +>C@
? U@ ! C, + -A
! - )% +- 8!K@ UC U) +<*( $ 0 $, 3
% & 0 .@ +)A &, % @@ #- %
5 $, % ,$ ) !H #A@ B- > @ , -% 0
PL[=K +C % 5*d@ ( [ 0 . 0 $ * E2 " @
,,@D %BC +@ EG > @- +B@ ?@ -GA+?@A+2 EG +B@ BG B@
B@ B +E@ -CD@GA@D EG? JC-JE@+@2 UGA)@2 AD C +->C
;M=M 8 C )$0 *0 S OPP + A-+ JC-
E E,@+B@ &C @ + ->,D B @ J@C? ++@D +2 AD 5 A-+
-A@,G A C@. CD - +B@ >E*@ + -C C @ + @, @2 E>+ ,)
+B@ C ,@ +-C K+K . 0 ' 0( 0 ' 0 $ , 0
5$ - 0 LM4 B@ -E,@ $@ -C?@C2 A +B@ B C +@C - C B
! C +-C ;KP< !! $ &) ' OK LN "@C@
@ D@A+,G .C BD ! C +-C2 AD A>A@S @J+ -A E,@ ,+ C
& 2 $0( $ 4
/ 9 A ( /
$
;PK; : .. $ & C ' 20 & 0 ` "@ @@+EA-? C
U@++@ - J CD-A 2 A- C +-CG ? @ O OJ (
T 0 OO B@ UG J@C >? A. JC G@C 2 \ JC- > @ C
+-CG @SJ@A @ - >a B AD -E, + -A@C SMS 7 .
' > C& &'' < @ -AD -C+ 8- + +B@ a B B @@
? G ,, C +-CG ;M<< B L< 0 m;QNN( <<
B- @ ! C +-CG &BC @ +B + +B@G > @ A J@ UA. -
*+B@ 3@) B $>>0 ' ,0 8;Q<<( ;NQ !> B @C@ +B@
C +> , -E @C A @ C@. CD A. C >C@ $ SKS =
K 0

&- -0 10 S 8;K=Q( K- B@ C @ - %BC +' E-DG
-A @ - @C@D B -C @ @C EC-. +@D +B@ B-,@ - +B@ 3 -
C +>C@ SKbQ ! - 0 5* $ 0 $, 0 M=
B .CE ,G -CC>J+ ?-D@ - C +>C@ ,,>D@D +- AD
*> +,G + . +@D EG !-,-?-A
! C @ 8 @ UC (2 10 5-C? L P -C
@2 C@ @@2 @2 = C !* 2 ,@ 2 G 8@2
C@ , 2 G @2 U@C 2 @C G @2 C @ 2
G @2 = P C @2 = M C 2 P C @2
CG G@@2 >C G@@2 P M C G-@2M -CG @2
= -C -@ ^ 5 $, % , 8;O+B A " +X
/ C? ( f&C $, % , ( !J 2&. $, % , &( + $ 3
% O &( D $, % , ) - ( $ % ,3) 6 a
&C ? C ,G2 +E@ , >.B+@C - A A ? , 8- +@A
A ,>D A. +B@ >E @I>@A+ -A >?J+ -A - + EG C@(
A - @C A. +- -D -C D@ +G "@A @2 A D@C
@A @2 +B@ >CC@AD@C +- -D -C D@ +G2 -C +B@ J>CY
J- @ - JC-J + + -A -C B-? .@2 - -?@ -E*@ + -
J- @ -A , - JJ, @D % 0 +- +B@ - @C A. -
JC G@C2 +B AU . A.2 J@A +@A @2 >E? -A2 -C +B@
,U@ &BC @ 2 i & &( -$. $, % , , -2 &
*) ' $, % , ( +- D@ -+@ C , + ?
A +B@ JC ? CG > @2 C @ ?J, @ A ) ,+ C -A
B B +B@ + ? J, @D "@A @ +B@ .>C + @ > @ C@
- +@A - +@D +B C@ @C@A @ +- ?@+ JB-C ,) ,+ C
$ ) ' 0 ;NM= AD -C B - C AD $ .B+ G 2
-DD +-U +- I>@A I>@?@a E C * 1 ( LS=O
O-+A- @ B@ U@D2 , .-DD +6 ? U@- C @ 4LNN
0 $ $ <O AD @AD@ +- B) , @ .-D@ 2 +- D-
C+ @ ;L=N " '10 ;KQ J@C EG@) ? A+@ ?@A ? U@E C@
@ A )+ +V .-D ;L<N < 8 &' 0 OPN "@ ,@+ D-
? U@ C ) @ +@ 7 +B -,,@?JA@ ! C @ A &E@E>
+@?J,@ O&/+ = $! ONP B@A @ 3 >D@,@A
?-AG J@JG,, -?GA. +# C+ J@ +@?JG,, AD E@ ?CD@ -
-A+C) -C+- B >@D-A - CGA. AD C@ @ +- A-C ? ?@+G
;=Q; F# L ,)" !! 8!-??@C( LN= OG +B @D +@
? AG @ +C A. C A-E,@ AD -+B@C @C@ J>++@ A C@ @
AD B D +B@ C E,--D !B@DD@ A @. J+@ SW M C ! 0 C %0
87 D@ 7 ;PL;( ;<P 1Z GD -?@A ,,@D \ @A+G @D +B@
@ @ +- +B@GC C @ 2 , ; ) P % J+ 9 0 ) ! ">
&"0 0 '$0 0 !- V=O 7 @@ D D D , @ E?D@? U@ Y
C @ +- -D2 A .C@ + D@ -+ -A ,, A. >J-A " ? A B C+ @
JC G@C) -C +B@? 4MKQ 3 .. +C '& > > $ 0 >
# B@ C ! C @ C@ A@ @C E,--DG 4QQQ =4
",!0 ! 2 / A@ D D@ ! C @ A+- E,--DG2 > B
+B- @ - +B@ #,D , AD E,--D,@ 2 > B +B- @ - +B@
A@ , ;QQ= &) ,&( ' ;QQO2;K; A ,+ C
-C C @ +- +B@ ??-C+ , .-D!C SK) : & (
) -0 & A ;=Q ! A AA-+ E@ >AD-A@ +B->+ !> Y
@C A. AD @ AD ! C @ A + +>+@D +- . @ -A+ A> ,
@SJC@ -A +- ;.
V + GA. -C ! C @2 0 T 0
9 7 +C , &! > &"0 SS 2 OQE2
C>@, CG @ JJ-A +B@ J@C -A - ,-BA %B E
/ B + B B -A@C@D A C @ + ?
??-, +@D -A +B@ ,+ C AG+B A. 8? +@C , -C ?Y
? +@C ,( - @C@D +- -D -C D@ +G A + -
JC-J + + -A -C B- J .@
I ;OPN V ' 0 -0 A 0 0 ,0 OQ !+-C E@+ ?@ - C@D@
G,@? E@ EV ,D@ , .B@ +- B@C@ . D@ % @ @ $ ;LOP
C & C $! H0 ;K , + a 4C>E,@D .D + C @ +- -D
;L 0 0 !! ( C 0 0 PNQ -@ B@>@A D J A >+@C
\ B ,*@D E + GC@2 \ @++@ U@C G @ E C -A - B
@C UGAD@ %4LKN 9 . 6 !0 . 0 :)@C@ C
@ B>,D@A A ) E@ - @A +- B ?2 E>+ + U@A B ?2 AD
A-E@C+C@ @ ? A B>,D@ E@ -CD@GA@D +- C@ @G @ ! B@
8 @ , ,=^-- 0 &" ;O;LQ 3 G ? GDGAB@D
?@CB +- ?G.B+ >,, .-DD @J+@ E + @A @2 \ ?G
)>,@ +- < ' 3 $ & - 8! ) ! ( LO
C E>, D->A -C+BG C @ ; ) = . 9 , Q
& 2 8*- ?@ @C> A+ 2 -?@ EC A. -C+B +B@ ! %C X@2
B + ? G J @ +B + .,E- ) ,->@2 7B- @ @?J+ @ ,+ C
B >@ @A, C.'D ->C ,,@ 59&9A0 && " M&,V?] 0 C % '
4 =M O@ -C@ AG ,@ D@J C+@D C-? +B@ B-C@2 B@ ,>@
C @ 2 ? UA. B JC G@C -C +-CG EG E ++@,, ;KSL
!)9! '03 QQ 3 U@ - G->C &C G@C ?@ @@+
! C @ ;MQK !!%& & 0 2 / -@ +B@ ?>+@
C )@ >JEC D +B@ JC @ + ;QSN ) BL 0
K; B@ !UA - +B@ ! C @ 2 @C@ +- E@ . @A +- +B@
&C @ + ;KNQ ,. &!0 < ,$ , O;L #A,G
+B@ , .@C C @ 2 -S@A2 @C@ +B> D-CA@D ;K=P
= B & 0 0 C !& ( A ',",!0 &*0 PPM ;
B- @ D?,G C @ B B @ B ? A EC->.B+ +- +B@ D-
- +B@ + E@CA ,@
2 &!0 B@ - @C A. +VG %BC + - " ? @, +- +B@
5 +B@C JC-J + +-CG + ? A B B,>A+ +G ?Y
?-, + -A >J-A +B@ C- +B@ %C> S -A A +
C , B C +@C
, ;LQP ,0 0 $ ' S 2H $ ,) >+ QO *g C @ E +
B@ ? D -C ? A -A@ E@ C>D +C@ $&/+ = $!
A%L 5-C , @ E + - @CD GA >C G@@ GA E@ -,D
, -C GAA@2 GA +-U@AGA. E + %C) + B>,D -?@2 E +
B> D E@ - , >C+ GA D CGA) -C GA @ - E@ J@J>6 GA E@
>+@C - E@ - @ - X +C ! $' > &- -0 LSL -2
B@C E@ A , C @ - BC +2 +B@ -A@2 E,-DG >J-A +B@
C- )+B-+B@C2 E@C A B@ B ? @, - )@D >J >A+- B +B@C2
B E-DG AD E,>D SDKS M : 0 % 8 3 (
=ML A -A D@C + -A - %B )+' /@ +B AD ! C @2 E@
->,D C@@,G -C. @ ,, J@A +@A+ AD E@, @ A. ! AA@C +B@ C
J@+) -A , #-". + -A +- @+@CA , &>A B?@A+ $ " $ 7 ."
K > & <$!$ 0 7U ;QQO ;OQ ! C @ +B@C@ 2
AD + ,, E2 +B@ G -D A B D-? B- @ +- -AD@?A AD
J>+ G A AD EG B B +B@ J CD-A - A -A @G@D
KP : = 7 " - '0 T<& & $ .< . -$'
3 CU +B + ? C ,@ - ?@2] -D' - A C @ -?J,@+@
KMS 7 A & $ >C LLQ B@ C @ -
+B@D@ +B - %BC + W JC-- - / A@ ,- @2 AD - / A@
*> +,G
E JJ, @D +- +B@ > B C + @,@EC + -A =$+
A -CD A @ +B +B@ @ +BA+ C@. CD +
JC-J + +-CG - @C A. - +B@ E-DG ?D E,--D -
%BC +2 A J@CJ@+> + -A - +B@ C @ - @C@D EG

" ? A " C> S -A 8W( A &C-+@ + A+ > @2
+B C@ @C@A @ +- + B C +@C A - @C A. -
+B AU . A. 8 @A @ ,(
;PN= ) = 7 +C - $ &' OMO 5-C
+B@ CG G@@ - +B B-,G C CA@? @C@ -A@,G E>+ A
-A@ J, @ AD E>+ - -A@ JC@@ + A ,, +B@ -C,D@2 +B B- @
.C@ + D@ GC@ @A@ G@ +B@ J@-J,@ -,D@ .- +- +B + J, @ AD
+- +B + JC@@ + +- B@C@ +B@ .-D,G ?G +@CG@ D-A@ - BG?
4P=K ). ' 20 A) C B@ $@JC@Y
@A+ + -A AD %-??@?-C + -A - %BC +' /@ +B AD & Y
-A2 ) D AD D-A@ A +B@ 3 2 ,,@D +B@ ! C @2
#E, + -A -C ??-, + -A - %BC + OPMN / G +C ! $'
&- -0 == "@ @SB-C+@+B +B@ J@ ),@ +- ,@@ >C-? +B@ > Y
+-?@D C @ - +B@ ? @ 4QN= ( . E W $
2 S 8;QL<( PQ< B@ %BC + A ! C @ B@C@ A OC@ D AD
7 A@ C@ - @C@D ;K) $ 0 0 8;K<Q( .) A +B@ Y
C @ - +B@ 3 2 T +B@ ??>+ ++- '2 +B@ 5 +B@C +@ BA ,,G
,, +B@ C , +2 A-+ +B@ D@ +C> + -A E>+ +B@ JC-D> Y
+ -A - +B@ + ? XK) O : : )) " 0 8;<N;( ;; SSS
O= -C D-@ + 8 C+ SSS e O( -AD@?A +B@ C @ - +B@
3 E>+ +B@ C @ - 3 @ 2 !<N4) ?& "&%
ON4 #A,G EG -??>A -A A @ A AG @ @ + @ @A @
B C@ +B@ @> B C + C @
! B@ D@ +C> + -A -C >CC@AD@C - -?@+B A.
,>@D -C D@ C@D -C +B@ U@ - -?@+B A. B A.2
-C C@. CD@D B A.2 B .B@C -C ?-C@ JC@ A.
, ? +B@ ,- @A+ ,@D EG D@ -+ -A +- -?@ -+B@C
A+@C@ + , -2 +B@ +B A. - D@ -+@D -C >CC@AD@C@D2
% ! & ! %$?%
4P3 & - 0 = LN= C B B ,, $-?@-
EG B DG ,G2 &--C@ C @ +- ->C @A? +G SM-S A
3 -CG -A ' 0 A 8;M;Q( ;P; B@ , @,G @ + -A G->E@ C@
+- B@C J@C -A 8 -C B ) G-> D@ C@ +- E@@ ? D@ ! C @(
4MP[ ' $ .0 A SS OMM B@ E@A@ + B B
!- @C .A E@ +- @+B -A !>E*@ +2 -C @ C - -?@ J- @C
C@ A-+ JC-J@C,G $@ CD 2 E>+ C@ C +B@C ! C @ 2 B B
+B@ !- @+ .A ? U@ B T < &' 2 - E ++@C
! -CA C @ ;K=; 7 1 .) 7 ! $!"%"! 0 !0 KM
A @ .@C C @ - ?@ AW +- A @AD =K=< = B.
0 ' 0350 M=Q F C@AD@A +B + E@ A-+ , U@,G
+- . A AG+B A. EG +B@ C @ - E JC A J,@ SKMK
- & - 0 &'D0 8;KQQ( 5(=Q= #A@ ?-C@ @ ,@ Y
+ , JJ- A+?@A+ ?> +2 + C V?@ , .B+ C @ - BC-A-Y
,- . , -CD@C2 E@ C@ -CD@D2
E + ? -A@ C @D +- +B@ ,, - A-+B@C
, -2 J@C -A -C +B A. +B + ,, A+- +B@ J- @C -
A @A@ ?G -C D@ +C> + @ .@A G - $ 0
;M<Q +C > G ) '&% $ 0 8Q )(M- B@G C@ > @D
+- ? U@ - 2 B@A + - +@A +B@ 5 +B@C -C 3 -+B@C2 -C
-?@ A@ C $@, +3 ?2 B JC-O->A @ +B@? -C +B@?2 B , +
+B@ , ++,@ ! C @ D J-C+ B@C @, +B !>. C J,>? 2 AD
,@+ +B@? DC@ B@ B- +B@G ,, OQL . 0 C) 0
OP B@ + - .C@ +@ + C @ @C@ :-BA 5 B@C E B-J -
$- B@ +@C2 AD ! C B-? 3 -C@ OQQ< &
8;QKQ( P ) JC@ @A+@D C-? ,, A. C @ +- +B +
, A.> D A + +G B B D@JC@ -A - J C+ A@ @C ,
+- JC-D> @ OKO; L "? ` ! ;P JC ;=L L B@ -C. A @,,
C @ +- +B@ D@ ->C A. @,@?@A+ S +@Q &"0
' 0 - 0 <P #A -A@ - -A A I> A+ A @ B D
A@ C,G ,,@A C @ +- -A@ - +B@ @ A ? ,
M ,- A >CC@D A @,, A. -?@+B A. E@,- +
,>@ -C +B@ U@ - .@++ A. C D - + "@A @
4'&', 3) +( A C+ ,@ C D + C @
OK= - ;K=P( PL + J ++@CA @C@
+ 1@ C' AD .- A. + C @ SK)
C ' '' S 2 "@ E->.B+ .C@@A B , -C 3C O-,+-A2
AD G@,,- -A@ -C 5 AAG +B@ ?- +EC ,, A+T C @ T
- $@.@A+ !+C@@+ B E@CD B@C' AD-
0 $ 1( AD & '10 $, % , 3- $. >(
,,-7 A-@ 8 @@ I>-+( C, -@ B + ?$ 1$!!
8 @@ I>-+( C @ *> CU@+2 ? CU@+ A B B
.--D C@ -,D E@,- - + JC @2 T D>?J A.
.C->AD @C +-@ -,O@C@C2 -A@ B- ??-, +@
B ? @, 8 D - %BC +( C @ JC @2 JC @
@A+ , A. ,- -A +B@ @,,@C
O ) $1&) &- - &' ,- 22 T $, %, !!&) $', 0
@@U,G >? J D EG -CU?@A' >A -A +- +B- @ ?@A B-
$5 D B C.@D C-? -CU E@ > @ +B@G+ U@ A + @ J C+
A +B@ C -C. A + -A -C C@ +-- @ U +- ? U@ +B@ @C .@
B@ @ , ++@C C@ ,$6H $, % , ?@A ;K<M : 8. \
= ?$ 1$!! ,- 2T $, %, 0 ] B@A +B@ E + Y
? A J>CJ- @,G ? U@ B + >J-A B B B@ C@+ C@D2 E>+
B B D A @ 2 E) @ C>AA) 4P=K +C 5*& (
5 0 . $ I 2 "@ +B@ +C>@2 JC-JB@+@ AD +B@
!->@C G.A@ ') C @ ? U@C2 BG B@ .>C@D EG +B@
UGA.@ 2 AD JC-JB@+@ - C @, SKKK C $!! $!!<0 ;L A
O S ?@C A ->,D ? )+BB C+ @ ? CU@+ + C +2
?J,G +- U ,, ,, ->C ? A> +>C@C NSPMN I 0
7U ;PL #>C ?@D +->C2 ->C + G@C -C C G @
- @ @C ^ $ -A)@Ca SKKK C $!! $!!<0 ;# :>A@ SS
,@ C A @ ,@ A +2 + C @ JC @
! C @ 8 UC (2b 5-C? @@ +B@ E
, - L -C@ ,X@2 Q -C X@ ^ 6 C a
$' 0 - - @C @AB@@ +- ? U@ A
- @C A. -C C @ - %-A +2 &(
$ VLNN ) - & 0 9# 5-C I> ,>>@ B@ ,D A-+ CA
- C @B >@A O ? ;=OP 1 0 LON; 8 C A (J@ B@@J
E@ C @D \ EC@A+ O=QO L ,)" !! 8!-??@C(
LNK B@ @.GJ@ @A CG@D A+- B@C >,@ C@ @ C@ @
BG?2 B A A@C >,@ ? A +- +B@ +@?J,@ B@ C@ @D BG?

, O=M 'B@ & +>C@ - E B ? C A. B -A OM<Q
8;M<<( =KP +B@G ! C @ +B@ C A@? @ +
A-+ A@ @ CG +B@G B->,D + +B@?+- OKQP # 8
C!$ & 8@D O( ) B@C@ C@ A + -A A B B ? AU AD
+ ,, C @ +B@ C @,,- ?@A
+ E '&', 3) 0 - , G -C E>? A +B@ ? AA@C
- C @ +- E>CA A C O @
OMNO A 3 -CG -A ' 0 + 8;MSQ( O)K2 +--U@ # A@
EC-+B@C JC -A@C 8 B-? ; C @D A +B@ J, @( AD -
```

J) @D EG ;ML= ' $ (L< B@G C @
B ? ^ D@ D ? Aa +- B@ 2 A - +,G J@C > ? @
; $ ' 0 G $
, ; ;<N 0 ' (M< =L A- >C@ -C@ . -D@ 2 B C@D@2
VA-A AD B@ - ? C@ @ ;LQQ 7 . C 0 C 0 S ; ;K
! >,2 -C B@ C @D2 -C @ EG ? E@V+GDD@ $;=NN PN
! 5$ ' ;NKO & C@ ,@A . B ? ,@ @ aV@UGA . @ \ , - . , ,
A@>@A2 AD C G @J C @ -A@ +- ? AG @C@ . -D ;=K=
L $1! & % &* 0" , + - U@ -A ?@ -C +- CG
G @ AD +- GA . @ E@ -C@ +B@ . -DD@ ;MOK : ' B 6 2
! (;N B@G @C@ -A+ +- ? ? -, +@ AD C @ A+-
+B@ C B@ +B@A B -D ;QK= 8 1 $. + =; ; A D- ,2
+ B- @ BC A@ 7 B - - + A@ + C @ C@ -+>C'D ,@ +
;K;K . . & - C $ & C (;L B@ , -C 2 C Y
@ +B A- B +@ , ? E
E , , G ! + $
SMM +C - (% &! A › % ' 0 Q= 7 B@C@ +
+B@ > +- ? @ A A . , AD -C &C @ + +- -A @ C +@ +B@ B- +2
AD C@ @ @ + , ? - + @ @CG D G2 B@ -A+@A+ +- C @
-A ! >AD G AD " -, D G 2 -C - ? @ @ D G E@ D@
$ $ ' 0 G 3) .
3

!5 $ > / &(
;QNM . . 1 8@D 9@C @G(2 & $, % , 00 +- I > + -C ,@ @
B A . >J -A - ? @ %-A D@C + -A ;QSN 8 6 " ' !0 &
!!$ OL ! @J+ 2 / @> @ + U@ DG ! AD UA-
/] G2A@ C E-A@D @D @, , - B@ C @ + -
+B -> AD J ->AD G@ C2 AD U@@J -A,G S B>ADC@D ;QON
#O & › & - (*0 O<K B@ C + #E, . + -A
B B $ - ? A , G >AD@C +- C @ B @ A / @Y
@A @ - +B@ &>E, E@C+G ;KLQ : 7 . 0 ' 0
=;M " @ACG G , , _ A@ @C UA- A +- C @ A A , A Y
+ -A +- +B@ A+@C@ + -C B JJ A@ - A- +B@C ;KQW # 8
C!$ &8@D O(M @CG+B A . @@ ? +- B @ E@@A C @D
+- , @ A- + -A - @ I > , +G ;KQN ' . " <Q
@A@C , ,G2 +B@ -A,G ? @A B- A E@ J@C > D@D +- @ C JC-Y
+@ + A . . , @ C@ +B- @ B- B @ ,C@ DG C @D -A@ @G@
+- +B@ C -E*@ + -A
E G 5 2)
!5 $ '
.
B!0 > / &(
;QP; # $ - 1! - ;=P J OL A +@ D - C A .
@ B -+B@C +- ? , @ AD -A+@ ? J+ - 0<
S =< &@C ,@ B C . @D +B C A . +B@
! ? A +- JC +@ @@, A . ;K=< = B . (' 0
OOO %->,D + +B@A D - >E+) +B +2 +B@ %B>C B ? @A
->,D @ @A A- - ? J,G +B B B@ 2 B@ ->,D , , A . ,G
C @ +B@ &>C + A = U . E ' 0 ' 0 8;KQM(
KK " - , , J@C -A C @ +B@- @, @ +- +B@ C -E*@ +
;KQL) . C 0) ! S 2 " @ +- - ? > B A C+ + +-
C @ B ? @, +- B , - +B@ : 1 . 7 $
$! 2 + A'+ . -+ + EG C A . -+B@C J@-J,@2 G->
? > + C @G->C @,
; ! $ $ 1 0 , - P -C@ +C E,@
K $ '>J 4>J (H 'JO+$ > $ " *
+ > ' JO+$L P ! $ Y
$& J L < ! 0 0 LLL O B@ -S@ ? -C , ,@ E@@ +
AD + E@ + C@ *) E,@ 2KNL ' . .) C!) $,
" & 0 ;O<< +B@G U A@ AD -S@Aa " @ E>+ -A@ B C@
E, U@ -C B +@) ? @G E@ A- + C @ E,@
W 0* 3 !6 ! . 7897 56
Q ; G
$ 8 D $$ 1 0
$/+&) = 7 +C - $ & ' OM; , ,
C +@A J@-J,@ UG @ +B@ CG G @D E-A@ ^-C . $, $
& $] - GA+@ 2 C JJ@D A , -+B@ - !G,U@ AD -,D@
; $ $
4!<Q ' , , !0 C&!0 2 S Q 7 B + ? @C + -C @
-C @C+>@ -@>@C +B@C@ A E C @D E-DG \ E,->D
;MOM "! $ e =NN + C@J-C+@D EG -A@ - +B@
A @A+ 2 - C@D +2 +B + ! C @D O@ + B +B , - @D2
+@C +B@ " @ C+ B +B E@@A @ @C@D SMKS M # 0
% 8;Q=Q(;K= B DDC@ J@C -C ? @D EG +B@ JC@Y
@A+ A . B C @D O-DG +- +B@ 5 +B@C A " @ @A ;QSP
C$!!$ & › , 0 8;Q=O(QQ B@ A+C , - Y
C @D O@ + QMK ! . & ;= ! + , , G@ C,G2
+- J-J>, C $. @2 C 'D O>6 +B@ !J-C+
$, 3 ! $
;KK= 3 .) A C$!! $!!< 0 B / @ M O B- @ , @
B B2 A -?J C -A +B +B@ . C@ + J- @ A . AD +C D A .
, @] B- ? G E@ , ,@D +B@ -C+>A +@ , @] ? G E@
, ,@D +B@ C @D , @ 4K<4 ^ @@ 6 10 Ma
) .$ K $ $
N " Q V
: $ 1 $
;PML 9 # &) , & A) 0 e OP 7 U 8 ! ! (
<N F >BG +@ B@ X@ +B + +B@ -CD - A + + ->A -
+B@ C ?@A+ - ->C -CD E-DG AD E,>,D C A- B+ +- E@
JC-A->A @ + +- +B@ @AD2 +B + +B ? C >,D E@ -AG +C A >E + A
+ + - +B CEG2 -C E@ +B@ A+@A+ - +B@ A @ C ' 1(
0 C C* ;P<Q 0 C $" A) (0 A0
! O0 8& CU@C! - (MQO 7 @ , @ AD D @ +B@ C @C -
->C ->, -C > B -E+ A@D ->C ;M=L = . & ,
&C@ 8;M)=(O ? -> ? A A C @, ->,D A- + E>+ -E, . @
B -A @A @ +- E@ +B@ C @C - B AA- @A+ AD -A,G
D > . B+@C ;Q=O I < $;=N U@ + ? B + +BC-E
E@A@ +B +B@ C @C' UA @ K=K $ 9 . 1
&, 0 ' ,$ $ & ' S 8;KPO(LNP B@ @ C+B,G C @C
+C>,G @SB E + +- +B@ 5 +B@C +B + E-DG - %BC + B B
+B@ -A@ -A,G ! C @ -C A 4KK= 9 A (& !
= !@J+ MML O & >, E-,D,G A+ ? +@ 2 +B + %BC + +B@
-A,G C @C AD > @C@C -C B> ? A +G2 +B@A - ? @+B A .
, U A . A +B@ A . -CU - +B@ ! ->C
; $ * ,0 ' $
;P=Q ? . 0 & % $, $) ' @ E2 + ? > B E@++@C +- B@C@
" @, @ , -A@ +B A , , +B@ CG @C - O , ;P=K +C
5 * & (5 0 0 $ 2 7 BG B
. >C@D EG +B@ UGA . @ AD JC-JB@+@ - C @, 2 AD EG +B@
C @C - +B@) @> +@ SM-W 9 . . 5$ * $ < ' 0 ;MK

2 j j Q O Q j j j j j
NK=N(O= B@ J +C C B , B@ D - ? , @ 2 B- @C@ +B@
-A,G C @C + +B + + ? @2 EC B ? AD : -E @C@
KMP : 2 " Q 7 C !!$ & % 8;KQO(P;K B@ B @

C @C D A @D2 ,@ D A . " @EC@ E-G2 B- ? B@ , D
-A +B@ , + C
" @A @ ! ' C -@C B J2 +B@ - @ - C @C
;PMO ($! ' › ' (E,@ - 3 ++@C
&C @ +B-D@ -C C @C B J
*12 !6!2!1: 8 @UC : ,(2 $0 H 0HB0 $, % , 3) ' i
% +B@ -,D@C ; , - M+B 5
$, B , $!H
&@C+ A A . +- -C -AA@ +@D +B C @
$%+> - & ' KS $ A@ ! C , , B J@C A . A
B @ C@ $%/% . B <!& & 0($, % , $! = $, B , $! +
- -C E@, -A . A . +- ! C @2 # @C A . 2 -C #E, + -A $>J>
9 .) 0 &, 0) , $;)L B #E @C Y
+ -A , , E@) - > @2 B@A @ - ? @ +- -A D@C +B@ > B C +
A + ! C , @ $>00 < . 1 - 0 &) ' " &'3
$ 0(,0 SSS 89 (2 B@ , ? G E@ @SJ, A@D
A A + +>+ -A +BC@ +@A A . *>D . ? @A+ -A @ @CG +C A Y
. C@ -A + +B@ ? @ + ? @2 @J+ A . 2 A ? @C G2 @C+ A
C , +-A@ ? @A+ $ /% ' 0 $ &' Q
' 7 U 80-BA(;OL B@ $, % , $! &' ($ +
, , @D2 +B@ -A,G -A@ A , , +B@ @ E,- U 2 +B + A C@ +
+B@ + -A - C@ ;KM= = L = B . . * 8;KMQ(L
AA> ? @C E,@ C , >+@A , 1 0 ; ;N , , +B ->,D
E@ @ ? E-D @D A +B@ C , -C ? >, UA- A A , +@C + ? @
JC A J , ,G EG +B@ A ? @ - 1) B
E $, % , $! - &) ' ›(JC@B +-C ? ->AD E> ,+
EG +B@ A + @ - @C+ A J C+ - ? @C AD
-A+ A A . (B@ C+B -C ,+ C2 -A B B C@ ->AD
C@, @SB E + A . +C @ - +B@ + -A - C@
SKM / 9 . C ($ ' S LQN B@ A ? @ - C Y
? ->AD B E@@A -A @CC@D -A , - A @A+ ? -A>Y
? @A+ 2J@ >, C +- +B@ @ 7 -C,D
/ !@, C A . 2 '&' , 3) 0
4K<N T $2 .) 8) 2 &! %& ' ' 8;K<;(;MN T B +
, , @CG @, , 2 D +B@ C , J C@A+2 E>+ @ -C S
B->C C@ A-+ -@ G +- D J- @ - + S+G -DD '
&- - (A -, A . C @ " -C , - +- +B@
@AD-C
4K<P $!" 0 O= / @ M O : @ @, ,@D +C ? ? A . 2 , , E@
-,D + ? > B C@D> @D JC @ D>C A . A@S+ @@U' C ,
,@ 2 0 $!" & ' (;N : >A@ Q O B@ C + 3 -AD G A
: >,G2 +B@ +C D + -A , D +@ -C +B@ -J@A A . - +B@ > ? ? @C
,@ 2 B@A , D @ D@ ? AD W C C , JC @
" @A @ ! C 3 ' ,A@ + $ 0
B B 0 + 1 - , 2 $, % , $! ' % +B@ EC A . - +B@
+>C@ - W C @
*12 !6!2!) 4 0 2 3 !6 ! !!. . 1 10 56
0 ; <=>! ? -@ 12 !) 6 @ A
;MN4 A E, -CG -A ' 0 8;M;Q(;PO B@ >++@C A- - ->C
@AD@>->C AD @C> @ 2 @>#A +- +B@ C A . - ->C , >@
WLL%JO 9 9 . C & & " * 8;M=N(L= ! C A .
JC- @ C - / - +B@ C - A@ . > ,+ A@ @ SG) =X R
" , ! $, % , B@ ? AA@C - C A . ? -A .
+B@ A @A+ " @EC@ 2 ? J,G D@ C E@D A +B@ E- -U -
3 - @ ;Q=O : < . $ 0 & ›) * *0 8;KKL(; ;=
B@ J- +,@ @+ -C+B %BC +' D@ +B +B@ +C>+B - +B@
C A . - +B@ J - @C
E $ 1(
@ KM %'+ +S 2 B-> ? G `AA / - +
+> ? @ +- ? -)U@ - C A . , ? @ ;MN= <Y V
› , & $› 0 ' SSS =OM B@G JC@ @A+,G +- -U@
+B@ C A . C -C 2 +B@ B B +B@G B@D AD ,@A @D
C- ? +B@ E, - -D - ? @A $%J$ 9 3 ' , ( ) ' $! &'0
MSK - C A . D B@ - ? - -+B AD J- , , B@D C@D
@ C+B ;MQO $ S . + &) 3 &' LP 3 G A . @D
5@@+2 @ B ! C A . D G2 @ D ? @ +- . X@ >J-A B@A ? -C@
+B A JC G ; I 4 ' &!! , 0 O / @ 8 # " ! +(L;<
$ - ? A C A . S@
*12 !6! !) * - 0 3 !6%! ! . * * !0 $0 56
%0 i) a B + C @ +B + ? U@
C @
L A% . ') ! ' , (@+ 0 $ - ! M;
" @ -C A-+B@C 3 @ ? @A+- - +B@ C A . JC @ +2 . C A+ 2
+- +B@ ->, A &>C . +-CG2 C@ + AD J@ @ A +B@ U A . D- ? -
. , -CG SK) $ 9 . 6 &, 0 ' ,$ '$ &' S
8;KPO(O<L " @ ^+B@ " . B &C @ +(+B@ +GJ@ - " ? B-
+C@+ B@D ->+ " C A . C ? W >J-A +B@ %C-
" @A @ ! -C , A . ,G $ (
SM-S & › $ 0 $!&) 8 @ !B U\ ! - (
40K AD A ? AA@C C ? . ,G2 O>CA@ E-+B ->C E-D @
+- C@> >@ -A@ A ? @
*12 !6!2 : :0 9 1 0) - & &) ! " * $ ' ,(^
5 $, % ,) ! 8$ E@, (2 D 2 $, % %) !) A
@S+@A -A - $, % ,) 6 JC @ +
B@ ? J ?) B@A -A A I>-+ 4MN= ->AD , - A 5C
. , - CG +- $ E@,
1 O%+& " 8) $1! !* 0($, % ,) ! (, ++,@ - @CY
A . ;MPL X * B $1 !$ 2 : ? > ? E,# - , ++,@
J C @, - ! - ? @ ? U JC@ + -A - ->C C >,
; *12 !6!B :! 1 0 56 C $, % ,) ! 0
$ 2 . ; *- D 12 !6!2!) 4 $!
;MPO < . $ $ & - 0 LN< B 2 D +B@ - -+B G A .
A >, + 2JC@ . @D +-CG +- +B@ O-@-+ A 1 0 LPO2LMP
*12 !6!2E 1 0 $ 0 A M -C E @ ^ D
C $, % 4) - 0H 10
%4P44 0 ' (? . 0 - (8 CE (A+C-D LM ; 2 ^ ? a
JC@ +@ +@C +B@ ->+ E@ GA . - C @ - +B@ >+@C
!" * 1B2 !6! 1 0 56
C A . JC @ +
;LKO 9 . 6 S S L B@ B> , U@ +B@C D@>@, ,@
J@C@ AD +B@C D@>@, C @C@ ^ > , . $ &!&](4P*+Q ? . 0 & %
$, $) ' @ E2 B@ &B C @A 2 C @C 2 ! C E@ 2 AD
D- +-C ;PPL . &,$, " & ' Q O , -C @C-> @ C @C
;PML ^ @@ 6 LV
*1B !6E6FB 1 0 0 $, % 3 4;# , 0+(
D $, %, $, B ,3) @@ 1 #
$ ' 0 - - @C C @
$;LNN) & 0 ;NLK< V ? B ,@ (V A C @D B@ AD
D@,+ B ? V@A , +BC@ ;L<N < 8 & ' %0 LLM AD
-C+B >A+- +B@ +@ ? J,@ B@ - ? 2 " @ G, +@ -C+- C @
$& & L)) C b C+ SS 2 B- B ,+ E@ + U@

AD B ,+ E@ CG G@D +- +E@GC@ . -DD@ : 7 +C
$ ') › $, 0 ? $ 0 $, $ 8 ! ! (;K; 3 @,
B X@D@ C @ + EC@ D AD GA@ A . >C@ - +B@ E-D @ AD
E, ->D - ->C , -CD ;P<N 1 0 I ! . S =< ? . B+U
? X@C E- ,@ - A@ @+ + B D +- B ? E@@A
C D@
% 0 ;=<N L ' " & SS KQ , G@ B@ D->E+@D
B@C @, A A- - G @2 +B + B@C > +@C - ,D@ CG G@ B
@, +B >A@C , ,@ ? -C+ , ,@2 EG GC@ B-CC E,@
/ ' 0 - - @C C @
$;LOP C & C $! 6 ^ (M 1 B , C G@ +- (V@ G(
. -D@ G, ,@ , ;LQP ,0 0 $ ' =6& . $ >+ O<P ((
+- B@ +@ ? J , - DG A@ DC@ BG ? C>D,G2 -C@ B A@2 -C +
+C@A*@ BG ? +- C G ;LKO 9 . 6 5& 0 S - *q
- -A,G ? @A2 AD C) G@ +- +B@ -CD %4=OP 9 B
& ' 0HHH0 ;ON @ >,D@ / @> - +,G +- -D CG G ;PP
7 9 $! $, & ' PO B + +B@C@ ? . B+ E@
A-A@ - -A - ,+B,A@ @2 B@A +B@G E-,D ? A +C@ N;
C @
L $ ' 0 - - @C C @ +-
;=Q= L 8 KKL(;O= E@ C@ G@D B6
. -DD@ B@ C@ @G>GD ,@++C@ C- ? +B@ @A +@ - C- ? @ ;=<;
] $ C$ 0 8 7 D@ 7 2 ;=<P(^ " @a
EC->. B+@ A +- +@ ? J,@ - GD-, +CG@ -C +- D->C@ AD
C@ G@ +B@ GD- , ,@
! '&' , 3) 0 - -A @ C +@
;K;< 7 C$ * " & - › 8;KOQ(;MQ B A +B@
. C@ + 9 CU C G'D
" @A @ ! C G . 1E 10
;L V 0 !!› 0 OQO 80-D, 3 ! (- . -DD@ ? D@ C G@
GA . @) ;LQ= B ? & (? @+ ; ;= 8% ? E 3 ! (
B@ -CG JC@@ + G@> +B A CG G A . @ +B@ C@ B B@D U>,+
GA . @ - +BC-+@ - , +B@ D->E+@C
(D0 4-K- 8 @'UC ,@D . (2)) 5-C ? L =K(D0N
, . @2 = C@ 2 -CG, . @2 C ,@ . . @2 = M CG
P -C , . 2 M -C ,@ . @2) C ,@ . @2 M Q
-C ,@D . @2 , D . @2 Q C ,@ . 2 L C ,@ . @2 ^
#5 $, ! 8 X+B A " +X / C ? ? -D 52
$, ! + Y ! J 2 & . 2 + $, ! &(D $, 3
!) " $, ! 3) -A@ B- +@ , C@D +B A .
-C - ? ? + C ,@ . @2 $, %" $, C@D 3! 3"
! +- . +B@C2 +@C +B@ JBC @ $,) - -C $, $
! +-J>C, - A C@D -E*@ + 2+- - ? ? + C ,@ . @ _
: B@ C ? @ -C A - +@ , A . -C ? JJC-JC +Y
A . B + -A @ C +@D +- -D @C @ A @ ,@Y
+ , > @2 @S+@AD@D +- A ,>D@ AG U AD - ->+Y
C . @ EA -A @ C +@D J@C -A -C +B A . 2 AD +B@
-, + -A - AG -E, . + -A B A . C ? @A+ ,
B C +@C2 -C C@ - . A X@D >AD@C +B@ J@ , JC-Y
+@ + -A - +B@ %B+,C B , -22 A A + A @ - +B
- @A @
A ?) @ , C + A) +B@ , + -A -) C ,@ . @"
EC A B - C @2) B E @D -A +B@ JC ? CG ? @ A A .
- +B@ +@C ? 2 - ? @ B + A -A +@A+,G - ? E AC +B A
@A> ? @C + -A - +B@ C @+ @ - C ,@ . @ ? J,G A . +B@ D@C
@A @ @SJ, A@D E- @ % 2 @ . " ' 1 JJ =N =;
%B > @C C$ & ' › $! 5 QOQ <
) & 0 OQK=N F -> + @ > ? W C ,@ . @2 +-
C@>@ -C +@,@ # B ,>D +B) 1 0 A>0&%
$ ' !(" - KMNK (V@G (+ B >@ B@C B@ EC)@2 AD +-,@
# M : *GA . @ (+ @C@ : V@C GAA@2 T ! CG,) @" ? @A , ,@ E +
GAA@ $J I 9 . 6 A $, , 0 L< 3 AG W C ,@ . D-A
A +B@ +@ ? J,@2 , ;==N 6$, &1› !! A) -) C C
,@ . @2 B + 2 EC@UGA . - E@ C ? @A+ - B-,G B@C B@ SJ+M
C ! (C %0 8 7 D@ 7 ;PL;(;K ! - ? @ -C +B@GC JCGD@
AD ! C ,@ . @2 . -D > C@+B - +@A+G ? @ +- ? U@ @AD@ ,GU@
E@@ + $%JA) - 0 LK; B@ ! ++AU@ - +B@ C
D @, B C ,@ . @ A C-EE A . +B@ %B>C B $%&O ' 8 . .
C ' (C$ 0 < $> > 8 B- ? @ +- > B D +C-> @AD2
+- E@ B- + +- D@ +B A 6@> - O> U -C B C ,@D . @ (
;QP) +C &!! ' , 0 0 S+S 8;KOQ(, LOM +@C +B
DD A . C ,@ . @ +- JC- A + -A B@ CC @D) +B@ ,+ C -
A @A @ $ A> B (C ' ' 0 $ OL< A -A
D@C + -A - +B@ C ,@ . @ B B +B@ @A@ ? G - ? ? ++@D 2
+B@G @C@ @A, + A . +B@ J@ A+CG $ J .) 0
& - 8;K=M(SS =PQ A >A C>J>, -> C ,@ . @2 B B
JJC-JC +@D +B@ @CG - @C A . +- +B@ -D 2 - ? D@2 +- B
- A AD D> , > @ $ >/ = 7 & ' 0 < & S
OLP B@ @CG E- -U +B + C@ > @D A +B@ -C B J - -D
C@ ! C@D B@ ? A B- +@ , +B@ ? . > ,+G - C ,@ . @2
E * ,(A J-J>, C > @ A ? @ +-C C-EE@CG
C- ? B>C B -C -+B@C J, @ - -C B J
B@ +@C ? A-+ +@ BA , ,G > @D A A . 2 +B->. B
-C ? @C,G J@ , J@A ,+ @ @C@ ? J- @D -C+B@ - @A @
5C- ? +B@ ;Q+B C-EE@CG C- ? B>C B B C@ . CD@D
,@ . , ,G W) , C @AG -C T E>C . , CG" -CD A . +- +B@
C > ? + A @ 2
% NR %& ' ?) !! ;Q / @ K -C B] ! C ,@ . @ A-
@CG %- ? ? -A2 +B@ B>C B@ - % CEC- -U AD +-A @C@
EC-U@A A+- ->+ - +B@ -C ? @C +B@ +B @ @ +- ,@ , , +B@ -, +@2
- ? ? >A -A , -+B AD >CJ, @ & 0 ' 2 *$* " ! C ,@ . @
+ 3 DD,@+-A
/ $ ' %0 O % 0 B@ JC- A + -A - AG+B A .
B@,D C@D
%<&R 8 & ' %0 LQ; B@ > @ BG +B + E@ - D-++
-C+- +@,@ A E@C+@ -C +>-2 AD @ D@ + B @C E- @
, +B + ! C ,@ . @ - , - @ %bN& = " $!& 7 U
OMQ S B + + >+B@C G+B2 . C@ + ,AA@ AD C ,@ . @
+- . - E->+ +- J,@ @ . -D EG . - -D - -CU@ 2 AD A-+ EG
-A@,G G+B Nb] +C › 5 * & 0 [0 0 $
O * E2 B + @C@ . C@ +@ E, JB@ ? @ \ C ,@ . @ +- B >@
> B@ A -J A -A - -D +- +B AU +B + ^@+ a %MN<
- .) ! $ % 2 C ,@ . @ +- -, +@ @DY
,- U2 1 - > C-E + - @ ? J,@ 2 $ %M = 3 . . E*&' * * ! 3
&' &) (@C@ ! C ,@ . @ ? A +- D ? + -B-,G +B A . 2
-C B@ @A +2 SK K - B 0 ' (S S ;<L -U , ,
B@C ,D 2 EG +B@ , - C ? 2 C ,@ . @ $ >& = . K
" 7 & 0 C$ 0) , ON= , ? - + @ @CG +-A@
B +-C , ? -A> ? @A+2 B B + ->,D E@ C ,@ . @ +- C@ ? - @
-C D@ +C-G
+ / 1 0 ! 0› 0 $, ! 3) 30 @@
. 7 * d a #A@ B- . > ,+G - C ,@ . @
I L # $ C$ 0 8 7 D- 7 ;=<P(O S, E O 1

-AG D@),,@D +B@C@ +B + E DD@ A-+ E@A ++@ +B@GC , +@
@C>G @2 B@G @C@C@J>+@D AD B-,D@A ! CG,@.@ ;PPM
.) ' , Q= +B@G E@ C G +B@? @,>@ +- E@ +B@>@
AD C,@.@ ;PKP 9 7 +C , &!$"> &"0
SSS ;PP " @ @, -AD@?A@D +- D@ +B2 B@ B D
E A ?>C+B@C@C2 -C C,@D.@

! C ,@ . @ 8 @ UC ,@D.(2 0 $ / ^ . 7
P$ 4 $' 0 5 6 6% -) ' 7 6
+ ! C ,@. A **E $0

$//& A !+CGJ@ ,,!0 - 0 8;KOO(O<L
7 B@C -C + AD@ C-? +B@ >,+@C G-> C ,@. A.@ 8 B>,D@
B @ D G-> C A.@(JC@ +@ ;PQK - . $&I
QL B@ @AD@ - CC@ +B 22 B>C B@ C, JC- A X +@D
AD C ,@.@D ;QQK ! O$ $ 2 ,. ;N) CD " >A+,@G
,, A-+ E@ +@?J+@D +- C ,@.@ +B@ +@?J,@] +- +-C? -AY
@A+ +KMM : O +C 0 <O B-> D D + C@AD
&@A+B@> 2 AD B ?+BG C +@ B- C ,@.@D G >C.>

! C ,@ . @ C 8 @) UC ,@D) @*($, 0 , - = C@
,@ . C2 C ,@ . @@C2 P - C ,@ . @C2 M - C@ 2 CG
,@ . @C2 - C ,@D . @C2 ,@ . @C ^ . 7

- C 0 i O$; a #A@ B- -?? + C ,@.@2
, ;LKN 7 G >J . 0 " OQL %>C @D@A = $ >C @D@Ca
C@,@. C@ U A E-D ,G V@ @ (b + EC-U@A B C B AD +@,@A
B , 2 @ +@?@? 2 -C A@ @C@ - ?- B@ .-,D ->+ - B@?
;L<P B 3 - & ' 0 8;KP;(=< C ,@.@@C2 +B + 2
+B@@ - B-6 +B A. SW-- A O@ -A ! D0 & - 8;PML(
OPL C ,@. @C 2 "T +- G2 , "T C-A. >,, B@ D-@A
G AG +B A. B ,- @D $ A CA-,D@ . & ' 0 8;K;;(
;QP ,, +@,@.@C B B@ .---@ - B C B) @C+@GA A.
@G@ + U@A ;MS= . 7 0 & ! = W = ;MO
% E@Ga -C C@ > ,, @C@ @SJ- @D 2 ! C ,) @C \ AD >C @D
+- ,, +B@ C @ .BE->C + -A [97[1 = C
' ') 8 , - $, OP B-> ! C ,@.@C C+ ,, +B@
D-, +@C 4K) ! - ' D) "=== B@ @ ?J- +-C 2
C ,@.@C AD D-, +@C 2 ->.B+ +- E@ C@?- @D C-? +B@ C
D@.C@@ KKL & - 0 $ (JC =PL B@ D>,+@C@C AD +B@
C ,@.@C

! C ,@ . - > ,==-J0 4?<K==/ $0 ^ 2 $, 3
! 3) - = . 7 1@3 i #> a
%- ? ? ++ A. C ,) @ .A ,+G - C ,@.@2
S - 8$B@? (, S S LQ B@ @ ?@A E@ A. A@ +B@C
C ,@. -> A-C E, JB@? A. G#>C -DD@ 2 , S) 2
.LL 3 " 2 -CD2 B C ,@. -> @@D
$--+@ I> U,G ->+ SMS- ' . .) $- '> ? 0 8;MLQ(
;NO " @ ? .B+ +B->+ JC- @ @ # -AD@?A + -A E@ U ,,@D
C ,) -> J@C -A ;M<M OD . " 8!>CY
+@@ ( ) < B@ U@D C ,@) -> 2 A-A -A -C? + 4Q<4
= ,) B66 & - 0 & , $@JC- A. +B@) C ,@. ->
? -C+ , B- 6 > D C@D +- D +>C- +B@ C B-,G JC@ U + SK!=
= . $ 0 0 8 KM=() =OO " -ADB@+ -AY
+C +@D2 +B +B + - +B@ C ,@. -> -A- , + @- ;KM=
G? 0 , &!" & % (- * 0 S S 8;KQP(L=; @ @ +B@ @B>C B
, AD A +B@ .C J - C ,@. -> J- ,@C
$1 &!0 KK (&,! K B@ # @C A. B B +B@G
B A. >J A +B@ @?J,@2 @C @ -A,G +- @AC B +B@ ! C ,@. -> 2
/ A -, A. C ,@.@

SM S >PH V[' $ 0 !0 +2) + 8;MO=(B@ , U@
B JJ@A@D +- OC@AA> J-A) B C ,@. -> -) -A
4MQL = 1 9) $ 8 "& $' B@ ! C ,@. -> AD
O ,) G 3 C+GCD-? - ->C , +@ ?- + S @,,@A+ !- @C@ .
4QLM . C$ & 0 8;Q=<(SS ?- + C ,@. ->
EC@ B- +C+) + SK) .8 . !< , S OQP " @
C@J@ +@D B6 C ,@. -> D@ W+ + -A A +B@ A +> CG -
J-,,- ;KKQ - & - 0 & ' D0 8;KQQ(55 0 LKN
B@ JC + @ A+C-D> @D EG 5, ?E CD @C@ D@@?@D +- E@
C ,@. ->

- D- & D= 4->K 7 &4!<?@" ?4(7R 4-> 0 7ED 1 -&=
$%+O 1 9 . 8 : & - ! $ .0 LPP B@A
B@ ! C,,@. -A ,G , @ 4Q Q . ! * A) $!! 8;K;M(M) B- @
,, A B) ? - + C ,@. -> ,G C ,@D AD C A D@@D B
B E + + -A2 B . - , 2 $, ! &) ' \ (UK)
$ &! 2 A +B@ @A+@C - B B B D E@@A C Y
,@. -> ,G J, @D A ,+ C +- B-+
! A ,@ ! + ,==-J0 4?.# =*/ 0? ,-.-/
; -(<< D*-< *7 70K 4*+ 7?=(D0 4-K-

SD S 1 I X(7B $% 1$ @ - +B@ +B CD @A@C + -A2
A@>@C G@+ D D JC- J@C2 A-C @>) B ,,2 +B@ ! C ,@. + 4MKL
6 C$ 0 '& & ' ' 9 " @ D-+B A C.@ >))
+B) A. ! C ,@. + 2 -C @ +B A +B@ -C + - %-A
@A+ ,@C * ?99 ' 8) +C 0 C ' !> ") 3
<K C ,@. + A@ @C B@ + + A. +- @6 +@ B
C@ +>C@ +- A@ JC @ +B--D 4K<K 9 " B !2 '
8;<NN(;N< ; !@ C@ G +B@ C + +B A. EC >) @. + +-
-A D@C

+ ! C ,@ . G ? 0 5 -C? = P C 2 CG 2
K,@C 8-2 T,-.G8@2 M -) ,) @ ^ D $ 3
!) ' 0H I . 7 , +

;L *& OP; 8 @CA-A 3!(A " -C +? 0
8;KK;(L== A! C ,@.G@B@ >A.@ @ -C@ I I 9 . 6 . 0
8;KKN(;LO 7 B +@> C@ ,SV> B @ ++-,) ->@C G?J,@ , ,-D@
\ +C@ + ,- "A. ,)@ +@2C >@GA@ \ C@,@. @ LI 3
' 8$-,, (=ML @ J @U -D G+GA.,) U AA@
L@ E@@J B-,D@ A) GAA@ - %C@,@.G , $&&O
* 0 U S =<< + C >@GA2 + ,@. H $, !) -
> H" +B + +- @ @ +B@ +@ - B-6 .--D S) < . .
C$ " - 0 C$ * 0 8;K;;(=N A B@D -C C , . @

! ? 8 8) UC)(2 1E - -A,G E $ "0
, - L M C A.@2 = Ua) 5A.2 C A.2 = M
CGA.8@2 K U@CGA.8@2 P 2 " '(C@A.2 U@C
A.8@2 G-+G S .2) -(C \.2 ,0 CG(@ %0
0 a #;2a

5* 6 6% * '6* % 6 -
* %# 6 * 6 % '--& *
$, ' $ = + -$ 0

50 "B < . B 8$-,, (MKSK $ I + ++@ C) @ B@ ! +-D
E@ ,- @ A B@ B>C B@ + @ +?>A +C@ 4L 0 & 0 ###
AD B@A@ +B@ E@,,@ E@. A +- CGA. B@ JC@@ \+ B-,D@
? U@ +B@ U@CGA.2 # >+ - +B@ UGCU@ B@ 8) D@ G
, 4LQ! $" $!. $?.0 8 3 ! O(=NN J@A +GA A@C@
- UC A.2 " +@, E@, @ ?@A -G!@ +- CGA. , $J + 9 . 1
- 0 !) 7 U ;LQ O + @A@ J@ C A.@ J J@ ? @
AD B@ BC DD@ .A> / @ , 4=!C 7 A C3 0
O;Q AD -A 5C D G +@C U@CGA.2 -A@ - ?@ C- , C B
CD@2 AD B- @ D->A@ ,, +B + +B@C@-A I L"

#3 &G ' SSS OOO E2 B@ .C G@, AD +B@
- C@+-CG B-,D@ E@ GD@ +- -C@ +B@ CGA.@ ^ C@
?@A+ $, % ,) - H0 $/O+ % ' , , - 7B +
? D@ +B@ J@-J,@ +- C>AA@ C-? ,+ C +- ,+ C2 AD C-?
U@CGA. 8 +B@G ,,@D +(+- U@CGA. $ 4PQ4 # 8 . '
0 P ;N 8;P<=(<N + ? ,, ? ++@C +- ,--U@ J
AD B-,D@ J +BG B AD@ + +B@ C A. $/ &
,& 0 , (SG SS 8;KKM(LQM 7 -CD C ++@A A
+B@ A-A2 -C C +B@C A +B@ C A. - ? @ SM M ,&
" $;9 8+ ;# OG AD EG +B@ O@,, @C@ +- ,,@D -C C A.2
AD ! - . A B @D B ? +- %B>C B ,> + ,G AD ?@CCG 4KQ4
C& - (+C !!& ' G & > , & &) $ "
2 # B B@,J ?@2 ,@ + A A -C ?@ B->,D J B@ E,@ @D
" - + AD C A. - +B@ 3

E ,& ' , 0 6 @D -C B@ -A @ C +@D @,@?@A+
);O<N 0 ' 0 0 LPK ;NP 3> B@ -,U B C@ A
$-?@ J + A.>-D@ E ,@>@ A@C@ @ E3 @>@D@A A->) + J + J@
C A.@ -C@ ,->@CD@ , ?@ @C@ ;==K 3 A
C0 0 QO ^ B@ & C -A - #S@A@D: E@ A. + ?@ @ A
-A@ & C- B %B + B@2 @ GA + ,@ - - +B@ U@CGA.
/ B@ -CD A + -A AD -A @ C + -A - J@C -A +-
@C+ A - @ 2 +B- @ - E B-J2 U A.2 I>@@A2 @+

O O> < . B 8$-,, (OL;K B ?, >, B ? C->A@D@ P
? D@ B ? U A. - " C A.@ ,>+@ -CE \ A J@,@ +
GD- I$J + 9 . 1 . (8;KKN(L<L " ,@CU B A
? AG .C@+@ \ ? ,@ J@C I> + >G 2 -C B ,- GA.@ -
B J@, 0P -C CGA.@ - -CDC@ 2 \ >,,@ ? AG ?- S=!-
! ' ;NP 7 @ -,D@ +B + B C A.@ AD -C-A -A
E@ C@ J +@ +- &@A+ - +@ ;=<M " C$) %0 8 7 D@ 7 (
S ") NP ; 1 +B@ - , G @C - G EG B-J S@ - > +-?@
-AG .G + A CGA.@ - EG B-J@ G +B@G G) B-,D@ E@
C@D*G>@ +B@G? > B@ .G +@ + G?-AG@ ;MQO 1.
0(<& 0 7U ;QL; <K B@ ! C A. - +B@ 9 A. -
5C A @ 8 -G @, G (+B@ ! .A - +B@ C ! - @C .A &C @ +Y
B--D2 @,, 9 A.D-A> SKS= B & , . S ? NQ
5-C) , ? + -A AD -C C A. A- #A@ -C? ?> + @C @
;<NO)) >,G LPM B@ >,,@ + D@ @,-J?@A+ - +B@ @C @
-C +B@) . - +B@ 5C@A B 9 A. -A+ A@D A +B@
%-C-A + -A O--U - %B C,@

' 0 B@ + -A - -A @ C + A. 1 0

;M;N 7 - . 7 &%) " J) / @D O2 6,
C@ J +B 9) +B +B@ JC- +C +@ C A. - ? G @, @
+ +B@ !BC A@ - G->C.) -> %,@?@A @ SDSL B
C ! -$;; ;LM , @> + D@ C,E@+B +B@ -C?@ -
C A. -C B ,,- A. +B@ C @C JB ? A +B -C+
#$ & - 1($, ' - (*
;=K L $> 3 . S S =;= B@ ,G@>
+@A ?+ -C+B +B -?? AD@D +B + @6@ G ? A B-,D
U@J@ B @J@A A B B-AD CGA. +GA @ AD -+B@C ;PQQ)
' . B & ' 0 <=) O B- @ +B +2 B@,D A-+ J +B@ C
B AD + +B@ U A. D?@ cb&]) 76 .) +C $3
, $ %!!! !& ' ' 0 8;P<P(;<K B@ + ?@ - +B@
@S@ >+ -A B->,D E@ + +B@ C A. + ?@2 - 3D !@
=> U T $0 1 0 $ 0 ' M ,0 $

) jj B@ C A@
.> @ %CG A +B@ .,@AA B# 7 +B AU + @+ C+B A C AD
E@,, - *) ?AD L% F B . 8 &!0 ;LK O@ > @ + E +B
C A. AD A + G A.) . I@
! I E@a Y 7) a
:$ ' ! 3 $
VL<< 0 !! FL AD P E@I>@+E@ B ,@ AD J S
EC@-2 AD CGA.@ E@,,@) , 2 0 ,, 0 $, -
8!-?@C @+ :$@ b !- (<N 5-C C-J -C +B@ CGA. E@,,2 ")

E@,, C A. +- +B@ @,@ + -A - ?-CC- @ ? @2 ;979 '
,,!0 ,0 OOP B@ C A. E@,,2 B B C>A. + +B@
@,@ + -* - +B@ B- + ;K)) ' $" $ & - 5@E 4NO O
- 6++ @D -A @ -A ,) A- C A. E@,,
%%N= 9* / =
!
2 /
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=

$[I * Q; 7B- ->,D A-+ C @ +-
C A. +B@ 3 -CA A. 9A@,,2 7B@A +BG @@+ J ? .B+ E@
+B@ C A. O@,, 4M=; 0 " C ($ 0 C&,.! ' & ' O
" @ B +B > @D O@,, +- E@ B>A. >J A B %B A @,,2 ,,@D
! C A. O@,,2 B B +B@ %, CU@ , G C A. + +B@ .- A.
)* &) A D !@C @ ;QKK & ' & ' QP , AY
+@CA) B B2 A ,- @ +B@ . E@,,2 +- D,+B@ J@A -A@C
+- JC G@C

(. L(* $ ^ 5 $, *$ ' (D +
$, *$ (B C +@C > O- CD- ' !$ ' & ' ' $3
- & $ & >! E- + >, JC@+@AD@C +- ,-BC
SK) 7 .) 0 < - 0 C& " 2 LON " @
>CJA)) EG AG ? JB2 B- + ,@A.+B @ X@D EG +B@
>J@C @A A. + ,2 ! C J A+ - UA .B+B--D
([illegible] 94=* 8) UC +(E- Q -B" ++@ ^ # 5
$, 8 f +2 $, +(D $, E " $,P
C@D = $, $ A@>+ J 2 C@D -E*@ + (i 3 $
@@ ! a A - , B C.@D +B +B@ > +-DG
- +B C@D @ @, 2 C@, 2 @ +?@A+ 2 @+ 2 -
C@, . -> B-> @ -C B>C B
A A., B +B@DC , +B@ CE+" 8) @+ ?@ ,,@D
C + A>+ , G A 3D@C!2 - +@A ? A-C A-A
4PQQ) ' .) & ' 0 ;O=; O 5C @C) A,E@2
8 C + - +B + B-> @ - 7 @ +? A +@C S8) <
$ ' & 0 ? 8;MLM(;NL - ! C + 2 CCG A. + - , @C
A+AJ? ;MPM K; ^!-@ V! L9 7
A (0 !@C A OL + ,>D +B@ ! C +
^- ! +2 & >C a ->+ - +- A2 AD +B@C@ ,, E@ A- %-?
?>A -B > +-? C ,G2 "& 1 .) 7 &) 10 $ 0
8O ? +GA@%6 SS - +B@ B B - ? ? ++@@ > ?Y
?-A@D)+B@ JC A J ,, - +B@ 9 A. %-,,@D.@ - #,D E@C
D@ A2 +B@ ->C C@.@A+ 2 A-A +2 D- +-C - ?@D A@2 , +2
C +2 AD A+-C ;QOM . 66 C$ & ' O;M ! C +
-C C@ >C@C B B C@ A-+ / .A + C @ A +B@ %B>C B -
%-??-A $ .B+2 E>+ -A,G %> +- ? ;KKL $!" 2
!@J+ ; ; ^/ @D a 3C ! AD@C 2 -C ? AG G@ C ! C +
AD EC C A - 7 @ +? A +@C EE@G

) 9 .$ '] b / _ $
K $ O $, $')) 1
$ $ $, $ +($ $, $ ' -$
# 5 B D +B@ @? J-J>, C -C? $ '(@+ 2 B@A @
A. L V
%$ $ G 6 1 0
$, . 0 E %

, ;LQ! ,0 0 $ ' S = $.$+ O=! F>B@ @ ? D
?@ E- A@]L$0 B-,G E-DG +- , G D-A@2 \ +- (V@ C + A@ +-
U@J@ . @2 I>B@A@ L@ C G + ?@ C ,@J+2 +) L $ 0 ' !0
L;P ; ! C + A@2 $, $(! 0 S L 0 C "
&) ' , ! ,& 0 O=M AD , +B@ ! C + ? 2 E@ AD C
- +B@ D J C- B@ U CU2 @C A > @ 2+- ? U AD >JB ,D
+B@ ., A AD-@ - +B@ D U CU . " ? . 0 8!>+Y
+@@ (O;L +@ ? +B + +B@ ! C +-A B " A-+ JC@ >?@ +-
EC@ U@ AG@ .C @ A +B@ B>C B +B->+ +B@ -A @A+ - +B@
%B>C B CD A 4MPM M4 . B <!& & 0($, -C
$, $ '(!@S+@A -C @ +CG 9@@J C A %B>C B2 -+
$@, . -> B-> @ ;QML . *$ ' 0 0(,&!$ '&(
+B@ C + A2 +B + B B C.@ - +B@ @ +?@A+ AD B-,G
@ @, - +B@ B>C B SK-- .) 7 $1 ! ;; K B@
C + A 7B- D>,G J>,, +B@ B@ G ED,2 5 @ AD -C+G
E@ D ?> + +@,, O@+ @@A @ B +C-U@ : / " .
$, $ C $ ' 0 &C@ ;N B@ &-J@ !) A + A 0 B-J
$ >+ 0 && 2 B@ ! C) A ,- U +B@ C-A
E CC@D . +@ +B + D D@ +B@ A +> CG C-? +B@ B A @,
N$ 2/ 1
$ 3

, ;==N * $1 &% $! L;< !B- ! C + A - :V@ U>CU
AD B- B D .C@+@ D@>- -A A+- ->C D @ ;K<M +C) " 3
- $ '> ' &)) @CE+ A +@C2 + ,, AD J ,@ AD
C +B@C E@A+2 @A+@C@D 6U@ B D-
9 = '&' , 3 0 2
SKMM & ' 0 0 9 ==N B@ C + A@ . - A.
+BC->.B +B@ -CC D-C2 -B B@C G +- C A. +B@ E@,, -C ? + A
2$ 1 0 K$ 1 * !
> $ # 5 $ ' , . !
S) $ 0 ' 0 L;! ; ! CE+ ACGV $, $) - 0
‼ G 6&" = .$ 5G $, ' (
$, $ ' 1 $, $ '
' .

;KLO = A - 0 8) KP=(OKM $- .@C 2 +-,D +-CG
- G->A. . C, B- B D E@@A C + A@ A -A @A+
2 8 @ UC + (^ 5 $, (?@D
$, $(/ $, $. G C@J- +-CG A
B>C B A B B C@ U@J+ +B@ @ +?@A+ 2 +B@
C@D @ @, AD ,> E,@ JC@) @C+G
YL% 9) 8) 1 0 ! 0 M O@+ @@A@
+BE B-> @ AD +B@ B .B ,+ C + AD D @ ! + 2 +B A
B B +B@ %> +-D - +B@ B-,G > B C + 8 +B@G ,,
+($%&& 3 . $ " K - 2 4B+->.B +B @ @A+
A+- +B@ ! C + 2 B@C@ -A@ - +B@ #CD@C JC@ B D a $%/%
. B <!& & $ SMMK . &"0 $!" 8;M<K(<L
A +B@ ! @CE) - +BE B>C B +B@ B A A B B
!+ &@+@C @++@C@D 4K=P ! B $' . > 0 %(
MLN B@ >E@U@+ +--U +B@ -A +@D B>C B +C@ Y
>C@ ->+ - +B@ C +@ 4K=M ,,. &!& : A P !
@CE+ @ 2 -C2 +B@G) @ ?-C@ > > ,,G ,,@D A- 2 @ +C @
1 0 M B@ JC-J@C +> + -A - ! C +G -A +B@ A-C+B
D@ - +B@ B A @,2 +- CD + @ +@CA J C+
12 ! 0 ! $ *2 $ $ $ -
?) 9 Y/ ?9 Y./ !
$, ` / 3 1 /
D
M $0" 2 2 D
=6&,) !$ +($
;K=< ^9 " 7 # & - *) - LPQ ,, B B -C?
%-D@ - C-J +-C , SM (
& 0 - *! 8 WKK(;K B@ &C -CG E ,- E> ,+ C-
@ >, C @D @)) (B7 +C 0 (<) ' ,, LQO
-@) C- @C @ 6A@A+ B B D-CA +B@ JC @ + A +B@
%@,@EC + -A - +B@ $55 % , - +B@ ?
? = >. &+(' $ 0" !
=& + $,) - , " ( ) 2
1 2 . 3 5 $/
1 ? 5 2
) !2 .
$, ,$) $!(^,&,," $!" G &,," $E" ^,& $!"
,& "!& (3,& "!& &$ ' " 3% - & $!" $,(') ' $!(
^ , $,(, $," 6 , $,( ) - 1$!( ) - 1$ "
* , ' $!" * ' $ " GK , $!(e , $," ^ * ' $!(
^ 1 $! 5 $ ' 6 $/
2
= ' 0 0 % &%.$
SKL $: L !&D) > ' $ 0 ;<L) ! C- - G.@ , C+
>, + JA 1 0(A+@C -C ! C- - G.@ , . ?@A+ ;KQP
,$ 7 B A ' ," !0 ? 0 KOO ; + +B@ + ?@ -
E C+B +B@ C- -F%G.@ , J C+ - +B@ J A@ -A @ -CY
CD ;K=N 9 . ' $ 0 $ (8;K=O(A - B@
J- +@C -C C- - G.@ A , . ?@A+ S!J- B ' 0
O;; B@ @T C , C E -C C- - + , C@ >C+B@CY
? -C@ D + A.> B@D EG E@ A. D@ - D - +B@ @J J,@>C , -C >AY
A +@ JC- @ @ 2 +B B B -+B@C +C>@ C E C@ >CA B@D
4!<< !!1) > " " 0 KMP ! C- @?-C , -C +
,>?E C C@ S!. $: L !&D) > ' $ 0 ;<L CC@.>, C
EC@ J, @D E@ -C@ CE) C- , C+ >, + -A SKKM : 3
0 & - % 8@ L(=LK $B@>? - C- ,
*- A+ ;K<< !!1) " 0 0 KMP ! C- A.> A ,
-C 4O+B D-C , C@ $.) A 0 & - -) ' 0
=LQ 7 B@C@ +B@ C# E B + , . ?@A+ C- O >+ ."
. ' '(% CK B@ C- B + A-+ B - A+BC-
J-+J?G ;KP< & > ",!(' $ 0 ONQ S B@ E-A@ - ?Y
J@C A. +B@ C- ,>?E C C+ >, + -A $ >% < (
?!$ ON B@ B--+ ,-A. +- +B@ C-,>?E C
C@. -A SK) " 0 0 , =P= B@ C-
J@C A@ , C@. -A $ &$ 1 0 0 OL B@
A+@C# J- +@C -C2 C# J>E 2 -C -A*>. +@ ^D ?@+@Ca O>/J
",!0) %%0( ) ! C- + , . ?@A+ B@ ? ,,
C- + 2 -C A+@CA , + , . ?@A+ ;QKO =
' $ 0 ?& ' (@+ ;) M - +C-A. , . ?@A+ B B
C@ @S+@AD@D +- +B@ & ' ,) - AD C@ +B@C@ -C@ ,,@D
<

$, &3 , $,0' ;K<L' ' ! ' . ' , $,$' PP' B@' > @' - '
-E + A +@' C- + ' +@AD@CA@ ' ;KL;' $ ' : L' !&D) > '
'$E' ;<L') ! C- @C+@EC ,' . ?@A+' ;KQ ' = 3 ' ! - ('
% $ 0' PQ' B@' C- @C+@EC ,' A . ,@' ' .@A@C ,,G' C@J, @D' EG'
,? - +' ' +C . B+' , A@

(D07=(D*' 8 @UC) @)U+2') UC Q(' , -' Q'
A - +2 A+2' U@C A+ ' $0 0 0' $, & $ ' ,! "'
JC-J@C,G' + -' -CD 2' $, ' E, ' - ' $,) - ' C@D'
C +@' 8A@>+ ' - ' ,) ' C@D(' AD' $ ' ,E ' J ' JJ,@ ' - '
$ ' , ' +-' C@AD@C' B - ,G' -C' A -, E,@ ' % ' 5 ' $, & '
$ ' "' @ C, @C' 3 $ ' , ' 8 B@A @' - ? @' ;Q+B' ' 9A. '
-C ? (2' ! J 2' & . ' , , & $ ' %' + ' $, &3 ' $ & $ ' &0!'
' J@C -A ' AD' +B A . 2' @ J ' -E, . + -A 2', 2' @+ '
!@ >C@D' EG' ' C@, . -> ' A + -A' C- ?' -, + -A2'
A C A .@ ? @A+2' -C' @A C- B ? @A+ ' A -, E,@2' C@D
SM- ' ' . .)' C! ' "' : ;QK' C ? @D' ' B@' ' +B' B ' Y
C- A +' AD' A> -, E,@' >+B-C + @ ' ;MNL' n ' C!) $, > '
, -C ' ;LLO' 7 B B' ^ ,@ a' B@' ->AD' +-' B @' @CG' @ ' AB E +Y
A+ 2' AD' +B- @' ,,' @C@' EG' +B@' OC + A@ 2' B@,D' -C' C- '
A +' AD' A -, E,@ ' $%J>' ' . ' ' 0' ?) & ' ' KN'
&@CB J ' G->' +B AU@2' E@ > @' 3 ' &C AA@' ' - ' ' + -> '
C E>A + A') C +2' B@' ? > +' E@' ! C- A +' AD' >A -A+C-, E,@ '
;MP<' " ' 2 7 ' !! $ ' , ' 0' %%0' O<;' 7 B +' -AY
@D@C G' A' E@' ? . A@D' ? -C@' A-E,@2' ? -C@' C- A+2' +B A'
+B +' E@+ @@A' 3 A' AD' 7 @ ' K> >' # 66 ' 0' 8;KP<('
' LL+' @+' +B@ ?' @ + E, B' G->C' >AD ? @A+ ,' C . B+ ' EG' '
C- A +' D@ , C + -A ' $ >$' = . ' 0' ,0' 5(' '
OQN' C>+B2' B B' ,-A@' - ' -CD ' ' @ @A+ ,,G' D A@' AD'
C- A + ' ;) ;' % ' ' (' C) $ 0' SS S ' ;K=
#' C . A ' C- A + ' ;K<P' V V' % ' ' 0' ' ' LOQ'
O@G-AD' +B ' C- A +' D+G' +B@' C , G' ' -A,G' , E,@'
-C' E->+' +G' ? ,@
& ' 0' ;KKN' & ! ' ;M' :>A@2' 7 B@A' +B@' J@C -A ' - ' B C@ '
AD' C EE + ' B @' @ @D' +-' E@' C- A +2' B +' .> C A+@@'
- ' A -, E , +G' ' +B@C@' -C' +B@' .C-> @'
" @A @' ' ! -C- A-+ @D2' ' ! C- > +, -A '
$ B 0' I ' ' ' ! C- A +A@ ' A@S+
$%A$' C B . ' $!) ' ' C0' 8;MQK(' PQ' 7 B@C@' *) .B+@D'
+B2' AD' ! C- A + -> ' - ' " +B' . @A' J- @ -A2' D Y
J- @ ' A-+' +B->2' $' ;M<L' E) $ » ' $1 !$ ' ' +' OK'
' B@' ! C-' A + @D' / - ? ,@' - ' G->C' %@,@ + ,' OC A ' $ >%'
8 7 ' 6) ' ONM' B@' & - A+ ,' >++@C A @ ' - ' B B'
+B@' D- . ? + ' C- A +A@ ' ' -J@A' %-' A-' D->E+

(D07=(D* *+' 8 @)UC- 2' UC- @ IU, + (' ^ '
! #0#! 9 C' $0(' +@C' $ ' , " 0 B@' - ? , + -A' - '
E@ A . ' C- A + ' A -, E , +G ' C@DA@
;MPN' " ' = ' 1 0' A')) 0' 0(' @+ ' 8;MPM(' <=' " '
E-,D' @A+ +, A . ' - ' B ' - A' C + A . ' +-' +B@' ! C- A + +G' - '
3 G +@C @ ' OKL;' " ' .) 7 ' 5$' ? !$, . 2 0' $ 0' 4 4 4 '
) ';' &C-+@ +@D' EG' +B@' C- A + +G' - ' A' ? E D-C ' 4<NN
) ,, ' +B@G' D D' ' +-' C J
+B@ ? @, @ ' A' +B@ C' C- A + +G2' AD' ' >C @' -C' +B@ C' + +B@ ' g
/ -E ' -C ? ' - '

(D0E 1' 8) I UC ? (' ' $ 0' & ' C - ? 2'
C ' ^! AE + ' > @' - ' A@A+ ' A . 2' - ' ' ,) '
C@D ' @@' & ' $,) - ' ' # a' ' - ? J- +@2'
G ? ? @+C ,2' +C A . >, C' E-A@' B D ' C+ >, +@ '
, +@C ,,G' +B' +B@' , 2' -C ? A . ' +B@' D-C ,' ,,' - '
+B@' J@, ' AD' C@ >,+ A . ' C- ? ' +B@' AUG,- ' - ' +)'
-C' ? -C@' @C+@EC @' E@+ @@A' +B@' ,> ? E C' AD' - GY
.@ ,' C@. -A ' - ' +B@' J A ,' -,A + ?
A>/J' ' " ,!0') * * 0' ' $, &3 , $," ' B@' , @'
+C A @C @' J-JBG @ ' - ' +B@' C> ? ' $>O>' ' ') 0'
B' C " &!0' 0' ,, ' ;LQ' B@' ? @D+D, ' J A , 2' -C' ' >EY
+ A @' - ' A' JJ C@A+,G' ? , C' A +>C@2' ' -A+ A>@D' A+-'
+B@' C> ? ' ;K=)')) ' \ ' 8 ' C " 0' ' $ 0' ' ;=N' B@'
J A ,' -,> ? A2' A' ? A2 C@ + ' >J-A' +B@' C> ? ' XKKS'
$ ' 0' 1 0 &,0' [8 7 4 4 ' Q=' B b@' C@' ^ A' ' D->E,@Y
B@ D@D' B> ? A' ? -A +@Ca' + -' @,, D@ @,-J@D' C 2' J, @D'
D@' EG' D@ ' SKKM' : ' = ' B ' 0' & - ' ' 8@D ' L(' =LK'
' ,@C.G ? ? ' ' @' ' +BC- A' ->+' - ' ' , ++,@' J-AG' JB @+-A2'
AD' @,,' -A' B@C' C> ? ' $ O+' B ' ' 0' . ' ' ;LK' B@'
A> ? @C-> ' A BG,- @D ' @C+@EC @' - ? J- @' +B@' $,) - 0'

* (S)+' 1 0' 5-C ? ' =! +-C@2' U C@2K CG '
^3 ' $, >"' JJ ' D>@' +-' ' -A > -A' - ' ' 8+B@'
T @ C@+' - ' +B@' 3 (' +B' 5 ' $, ' J ' JJ,@ ' - '
$, M' @@' ' + a' B@' -A @ C + -A' - ' +B@'
3 ' f ' 7' 1!0' 10' ;(
;LNL' $ ' B ' $ ' !0' " 2 ' QO<Q' " @C@' LG+' ' ? @ @2' '
B-,G2' AD' A-' ,@ @2' AD' A +' G ? J,@2' ' U C@2' 5-C' EG+' G ' A +
A- ' -C' B@' 1 (' Q<=<' 5-C' @>@CG' JC@ +2' +GC') ' C@2'
@' J C+@E') C@' -DDG ' E-DG' GA' JC@' OL ' 0' & ' ('
8 @CA-A' 3 ! (' 5 ' , ') 0' ')0' ' OKO' ^ " @'
Da' B@ >' ' A-+' B +' -E,@' *) +' ' C @D' ++@' C@ '
S) L' ?) "' !! ' 8% ? D@A(' O<' - ' D- ' +B@' BG ? @ ' . - - ' +' G '
CG' - ' +B@' ? @ @' - ' :B#
$ 10' ! -CG' E@,,' f ' 7" . . '
,' $&J+') 7 ' ' 0' C& - ' 8&@C G' ! - (' OPP' B A' . -A' +-'
B C A@' -C' B@ C@' +B@' CG' E@,,@ ' %4=MN' C & *(' C$ ('
8 7 A B (' LKK' ! CGE@,,@2' ' ' $1) !) - 0
K -) ' -E ' ! ' J ' + ' AD' JJ,@ ' - ' ' '
! +2' -E ' ! ' -C ? ' - '

(<' 8 @D(2' $0' AD' , 0 5-C ? ' ; L' @@D2' *'
+ 2' @@ D2' @D2' P Q' D@2' =' D2' X@D2' = P' D2
= M' DD8@2' L ' K) ' ^%- ? ' @>+ ' # ' K
#! ' $ B' 3 / > ' $ ' 8 " > ' 0$ H' # " 2' 3 " ' $'
8 ? -D ' $ +(# 2' d 3 ' 8C C@ ' >J@C @D@D' EG'
$ (J ' JJ,@ ' - ' +B@' D@C @D' @CE' E6$' +-' + '
+@(2' -+B2' , 3 ' 8J ' $ $+' # @>+ ' T $ &Y >,,2'
+ +@D] 7 AD- .@C ? A ' T _1' A' 3 &3 (C'
D - # ' A + +@' 8 ' ' $ (' $ ' @A->. B2' $ 0 '
+ @D2' >,,2' #,C B' $, ' + +@D(' +B@' -CD' '
' J ' JJ,@' +B' > S' + ' C- ?' +B@' C--+' T 3 +-'
+ G' ' C' = T _3 ' +(' @A->. B '
J C ,,@,' -C ? ' C- ? ' +B@' +C-A . ' .C D@' - ' +B@' C--+'
+B' >A @A+@D' > S(' ' -+B2' &W 8] JC@ @>+'
T $ &3 -+' + + -A2' B@A @' $ WB$ ' ' +-' + G a

' $ $ B(
' # ' J@C -A ' AD' ? ? +@C ,' +B A . 2'
' ' " A . ' B D' -A@ ' ,, ' + @D +@D2' @ CG'
-C' + C@D' 8 - ' - ? @+B A . (' %-A +2' & %' 8 A' 0 ' +'
-C' ' % ' 0
S- - - ' ! ' HH0' 5 0H' ' @- ? ' AB . ' @CA@' >AD2 '
E@ D- @-C ' @@D2' @ . > ? ' @C . ' S- - - ' 0' C 0' 8 B ('
SS ' O<' ! M@' + A2' AD' D@' >CD A ' SONN' ' 0' &! 0'
& - 0 ' ' B' A ? ' A-B+'),@+' D' - ' ? A@' AA@ 2' AD' -CB ' A@'
A ' A' B @' A-B+' -C,@+@ ' , ' S -P' ' OJ&/' %, >D @A' B@' U @ '
@C@' ! !' @ ' - ' B-> ' - ? J@ ' $' OO=N' E) ' ' LN' A' & 0' & ' 0'
;<L' -C' B@- ' A@>@C' A@' E@- ' @ D' B ' >@ c' +- ' @-AA@ ' $' ;OPN'
2 ! ' ' 0' =PO' 8 : @ > ' 3 ! (' B ' U@A+@' B j' ? GD' ? GA@'
-A . @' ' A-B@,@ ' A->B+' ->@C' , -A . @ ' " @AA@' B' @- ' B) +'
? @A' E@-B' . , D@2' B' A@,,@' B) +' B ' E@-A' +-' D@ ' $' OLNN' 3'
& ' 0' OL=LM' J- ' B) +' B->' @>@C' J-A' B ? ' @2' # ' B ? ' DD'
' 10' Da' ,' B->' A@>@C' E@ ' $' OL;N' A' 7 C . B+' " , ' C 0'
' O<' 5-C' @,D@A' G' ? ' D' +B +' @ ? ,G' S +@' @ ' I OLKM'
B ' $ ' 0' & ' (' * &!0' 73' 0' LO=' 1@+' - ' +B +' C+' +B@G'
U A' A +' @S@A' DD@' -C' A +-' B@ ? ' +' ' ' E ++@C' @@+@
AJ >' 3 ' ' ' 8$ -,, (' < - ' ? @A' E@B' ,' D' ^-C . '
' & &) - ' $) & -]0' 8;78h') 7 ' & ' ' 7' ' ('
;OMP' ,' ->C' ,G ' 1 ' E>+' ' ? A@C' @S ,@' B@C@ ' # ' B B' E@'
->. B+^@a' +-' E@' D ' $ ' & ' . (' Q;M' -' @C @'
BG ? ' ' +B@C@' A-' ? A' D

i' / ' !@++,@D2' C ? ,G' @ + E, B@D' A' J>CJ- @' -C' -AY
D + -A' ' +@ D +2' C ? 2' -A + A+ ' 1 ('
,' OLSP' ' 3 ' A ' ' B) +' BG+' ' . -D' AD' D2' ,'
BG ' -C,D2' B +' ' G ? D' # ' BG ? ' B +' A ' OL=N' " ' 1(' KL'
-A' A@' ' CG) +' JC@> B@+' A@' G X@D' AD' + E,@' >-C' +-'
>-BG ' ,' OLPN' 0' 6& ' ' L=<' A' " " +? ' ! ' !0' 0' 8OKK;('
LK' 7 B@A' GA+' : -BA' B@CD B- ' D' +C- +B' A' B ? ' ' @+'
^@+ a')OLPN' !!0' C$! - ' ;Sh;' ,' S-GA@' ' @+' B' @+'
DD@, @ ' %OLQ=' B ')) JC S Q-8% ? E 3 ! ('
@C' ? G' A- ' ? A' D- +@' +B +' +E@C' A ' - ? ' E,G >,A@ @' B +'
' D' 0' &! $ -]' +GD@ +' AD' J C G+ ' , D \' ,0' 0'
$ ' ' 5! H0' 4 $ $+' S9' ' I> A G A@' J@C A . ' B D' (? +'
E- ' @ ' - ' , ' D ' OL) ' 9 . 6' O' C 0' ' ;< 7 @' E A'
' DD@C' E 0' - & - +' -CD' +B@' JC-JB@+');=SO'
' . 3 ' ? ' 0' C ' , 0' =QK=' B@C' ? G' A- ' JC A @' A' B '
@ + +@' @AD>C@2' @' +B@C GA' AG' B ,@' + A @' D ' O>+' B@' E@'
,->@D ' ,' O=PN' 0' ' %E ' 8!>C+@@ (' OL=' !B- ' ,' E@' +-' B@'
' DD@' C@AD@ ' ,' O=) ' <& &2' 0' M=' E +' B@C' . C >A+'
B-,D' E@' >C@' \ ' ') @' +C@A . +B D' B>' +B' A@C' @@,@ ' ;=<L'
$!!' 8 7 ' D@' 7 ' ;P;P(' QP' E2' O @' G@' + E,@' \ ' DD@' A' +B@'
G+ ' O) ' ' ! D) ' 8 ' & - ' 8;PML(' ;QP' E ' ,,'
BC +@A' J@-J,@' +B +' ,,' E@' >) ' ? > +' B >@' D' E@, @ @' A'
+B@' B-,G' ! C ? @A+ ' OP<N' 1 ' >0 A 0' ? ' S ' =P' 3 -C@'
@ +B' +-' A> ? E@C' +B' E- ' ? AG' @G@ ' ") ' B@ @A' E@B-,D@ '
D' ,- @C ' A . B+,G' +E@@ @CG@ ' ; M) ' = . ' C 0' 0' ' P=;'
!@++, D' A' E ' @' ' @@' ! D' C@ -,>+ -A' AD' @ >C@ '
' !+C-A . ' ' J E,@' - ' C@ + A . ' , A+ ' 1 ('
OLKO' 9 . 6' & - 0' S ' C' 5-C -+B@' @' DD@C@' ^ >, . 2' ' & '
% - &]' - @A' -C' +-' > +@GA@ ' +B@' @E,@A@ @' - ' GU@' ? @A
OLKK'] ' O . 0' SSS ' ;M' 1 ' B ,' ? U@' D' +B +' +B +' ' *U
S=- - ' & ' 0' LOK<' B@' @ >AD@' C' 7 ' @U@C C@'
+-' C G' . B+@2' AD' DD C@' A' C ? @ ' ,' A&++' = B 3 '
8;KL<(' S ' ;P<' AD' +' 8+B@' D ? -ADa' ?) @+A' ' ? A' ? -C@'
+C-A . ' AD' ? -C@' D' *@A +' B ' A@ ? G@ ' , ' L 7 ' 0'
&"' ;OQQ' :V ? J-,,>S' >,,' J@C+,G) ' JC- B) ' A' B +) ' 7 +B'
@>GA' B>ADC B@' D' ? @A' @ ? E, +' AG ? ' +, 2' C- B +' A+-'
E@' C->A+' \ ' ' C G' ? D@ ' " 9 ' C$ ' $ "' =KQM' -E,@'
UA . B+@ ' +@A2' !+C-A . @ ' B E,@2 AD' ? @A' D' A ' ? G . B+G
' ! 2' #CD@C,G' AD' C@ . >, C' A' , @ ' - ' +C> + -C+BG'
B C +@C' AD' *>D . @ ? @A+ ' . C @2' @C -> ' # +@A'
->J,@D' +B' 2 ' -C' , 0' 1 0
,' OLQ ' ,0' 0' $ ' ' SS ' = " , &!$ +' OQL' A' +B@ ' D '
D C@' () A@' @ ' B@) ' @C@ ' ,' OLKM' F# B ' $ ' ' $ 2 > ' ('
Sh' A' !> CG@' B ,- ? ' D @U@' ' - ? J . AG@' # ' B J ? @A'
C B@' AD' +B@C+-' DD@' AD' +C@ @ ' O=O<' &!! ' & %' C$! 0
' LLK O' 1@' 9 GA . ' B ,,2' - ? @' +-' DD@C' G@C@ ' - ' D C@Y
+ -A ' ;==N' A' 8) ,@ ' (' $! $!!' 8;KPM(' ;NM' #A@' - ' +B@'
D@ +' AD' @,D@ J- @D' &C@ +' - ' ! GA+' : -AA ' G,D@ ' ,' O=PN'
<& &2' (' <K' " @' B-,D' E@B-+@2' -C@' . - -D' ?) ' AD'
DD@' A' 7 G - ? E@2' -J@A,G ' O) M' , ' L' ' 0' (' ,0' ='
@, @' D' AD' D C@@+' &@C -A 2' - ' +B@' %B@ I >@' $ - ,+' - ' +B@'
9 A . ' ' B-A->C E,@' " -> B-,D ' O=<N' L ' ' " & ' SS S '
OOL' ! DD@' E@B >->C@2' AD' - ' G ? J,@' -A+@A >A @ ' SPWS'
' +C ' & > ' E &*0' ' >' 8;K<P(' OOP' ' D' AD' A'
B-A@ +' ? +C-A@' ^-C . ' $ ' ' ' & ' $' - $ & ']0' OPM ' A'
7 ' " ' >CA@C' ! , 0' ,0' 5%& ' 8;KKN(' O<O' B @ ' G @ +@'
O G,, ' AD' -+B@C' DD' AD' D C@ +@' G+@ HA ' OPQ<'
(' , ' N7 ' ;MQ' 7 B +' - ? A' A- @ D G@ '
8+B +' ' DD@' AD' G @(' ,,' E@' UA- A@' +-' B >@' U ,,' - '
D >A A . 2' \ ' ' OMNP' 0(' $ - 0 ' ' SS , ' e' P' # '
+B ' @D- ? @' B' @@ ? @+B' - ? @' - ' +B@' >A @A+' $ - ? A@ ' A'
+B@' DD@ +' AD' @ +' + ? @ ' @C@' JC- @ -C ' XML " - '
$ 0' C' Q;' B@' -, D2' AD' D' ? A2' ' A-+' +C->E,@D' +B'
+B@' ,- -D ' AD' @EE@ ' - ' 5-C+>A@ ' OMMP' 8 . . ' A' 7 - -D'
% ' 8# ' " ' ! (' =K' ,,' -,D' D-A + -A' , ' +B@' % - ,, @ ' +-'
D' JC @ +' +B +' JC@ B@ ' -A' +B +' D G
E ' # ' , - - U 2' JJ@ C A @ ' " . A @D2' . C @22'
@C -> ' 1 0
,' OLPN' !!0' C$! - ' OOK' # ' ,@C ' A@' - ' ,GU ? @' , U' B ? ' A '
A-A@2' A@' - ' - ' D' ' @ ? E, A+' @>@C' B@' G' V@ SG@A
OL ' 0 0 !! 0C 0' ' KKQ2' ,D@C ? @A' -' DD@' - ' B@C@ '
" @C' -A . @' HLO"' -A . @A' A@>@C' U@D@ ' ' AJ%O' B '
>?!$0) ' , ' KMN' AD' B B@' @G@A' ? G' , DG' B D2' / @E-A GC@2'
. - -D2' , D2' AD' D' , O=NN & - 0' & ' =MOQ !B@2' D@2 ? >C@,G'
D' - ' B@C@
+' @' &C- ->AD,G' -C' -, D,G' ,@ CA@D' 8 (' 1 0
,' O=NN' 0' &"' ;=KP' JB ,- - ,@C2' A' B@' !G@A @' >,'
D' - ' B@' @>GA' C+@ ' ; 3 L' ' ;=') ;' 5 ' (
B- @' J@C -A ' +B +' JC-C->AD@2' D2' \ ' D C@+@2' . C->AD,G'
h,@CA@D2' AD' D@J@,G' +>D @D' A' 5B U@
D ' # ' +B- > . B+2' -A D@C + -A ' 3 +>C@2' @C ->
1 (@S ' $, (A' +B@' JBC @ ' ' $ ' $ ' (B B'
B$ ' A- ' > @D' E@,-A . ' C +B@C' +-' @A @' P
O=KP) ' ,0' 8;KKK(=L' B@' D' 3 C@2' +@C' D' AD'
? +>C@' @S ? A -A' - ' +B@' D' C@ -CD@' D@ C@@D' ^@+ a'
' OPNN' ' V ' » ' & ' ' O=' AD' -2' + C' D' D@, E@C -A2'
B@' A @C@' +B@' ? @ @A . @C' GA' +B ' ? A@C' OP=N' , ' LO'
' 0' (' ' =0' B@' D' 3 +C@ ' -C' - @CA->C +C@'
+B@ C' DD' D C@+ -A 2 B ,' ^@+ a' A%J> B 6) '
8;KMO(' ' S S' OPL ') ' ') E@ . A' +-' E@' ' %BC + A' A' D'
@ CA@ +' OM=L' : ' 3 ' & $ ' ' $! ' LK' +' ,@ +' +B@G' ? G

. A@' +B ' , +' ? -+ @' +B@' B-A->C' - ' D@@J' AD' D' +B->. B+'
-C' + ' OM=<' 1 ' ' . ' & ' % ' ^-C . ' ' 0' 8;MP;(' QL' B@G' C@' @SY
@@D A . ' @ . B+G' AD' -C+BG' - ' D' -A D@C + -A' OQQ;'
' ') - * 0' !0' P' 3 G2' A' ++ U' +B + ? D@' ? @' B@D'
+@ C ' A' D' @ CA@ +
P ' # ' J@C -A 2' +B@ C' @@, A . ' -C' D J- + -A '
! -CC- >,2' ? ->CA >,
' OLMM' B ' & - 0' & ' O;,' ! B@' ' ,@J@D' C @
' 5>,' D' AD' G+ ' ^-C . ' ']' ' B@' ,' O=LN
' $s# ;' &2 !$ ' ;KQ' G -C- >,, ' AD' D' +' @ A' -A. '
AD' B->C ' , ' A&>+' ' ' $!!$, ' ' ;KK 3 , A -,G' B@'
' - ' - ' ->A@ , J,@S ->A2 ! -C-> >,,2' DD@2' G' DC@ D >,' E>+'
J,@ A @' OP M C ! 0' C 0' 8 7 ' D@' 7 ' ;PL;(' KQ' %-A GD@C'
GA . ' - ? @' J@C -A@ ' +-' E@' - >AD@' AD' ? @CG2' - ? @' B@D' AD'
A@>G ' OP=K' ' . ' &) (' ' 0' ' PM B ' ? E D@'
' @A+ +-' ' +@' \ ' - ? -C+@' +B@' UGA . 2' E@GA . ' -C- >,' \'
D' -C +B@' D@ +B' - ' - ' . - -D' ' I> B@' \ ' J-> @' $' A/ J
X) . ' &" ' 0' ' 8 CE (=L' O>+' BG' J@ U@' G@' -'
A+,G2' -C' BG' C@' G@' - ' 0' & B->' UA- @ +'
+B@' JC->@CE@2' EG > @' A' A-+' E@' E D' XMSX' ' < ' 0'
S, ' M AD' , - @JB' ? @' A' A+-' +B@ ? ' A' +B@' ? -CA A . 2' AD'
, - -U@D' J-A' +B@ ? 2' AD' E@B-,D2' +B@G' @C@' D' A%%>' = .
C0' 0' 4' ;K B' A . @, ' > CD ' @AD@D2' ? >+@' AD' D'
5-C' 3 A ' O> 1 & + ') ' ' @CG' D2 ' +B AU'
D@C' +B A' +' AG' -A@ + ? @' A' ? G' , @' A>A/ 1 ' " ('
4' QO' 7 +B' , ' ->+ JC@ D' @' ,G' +E' >A@I> ,' +C @' ! D' -C'
+B@ C' ,- 2' E>+' +-G >,' - ' ->+>' @ ' OQ) ' ' C& ' "' hh' B@'
D' A@' A' C@@ @' ' @ ,' B->C' SKM- ') . ' <!$,0' ' S '
KK2 ' @,+' ' , ++,@' D' +' +B@' +B->. B+2' $' $ > ' 2 '
-0' 8;KK=(' ML ' -> . B+' A- +' +-' ? U@' G->' DD@C2' B@A' G->'
C@' D' @A->. B' ,C@ DG
$1 & ' OPKK' : 7 +C' $ ') > ' $, 0(' 0' &) '
C $" ' L<' B@' B-J' AD' - ? -C+@C' - ,' D2 B >@' C @C @'
-A' ? @' OQK=' 8 1 ' &,0' MMP' O@B-,D' +B +' +>C@2' A@ +2'
+B->. B' J, A,G' , D' ' " ' JC . B+,*C' ? A . ,@D' +B' ' B D@' -'
D
E ' C $ (' 8&- E,G' >. . @ +@D' EG' +B@' -,D@C'
- + -A' - ' $ ' AD' 2 ' @@' = (
OQ<K & 55 ' ,0' $ (' ' $ ' % ' 0(' ' DD@C' AD' '
@C' ? A' " @' C- @' +B@' ? -CC- ' ? -CA' A A& ' $ 0'
U 2' ' DD@C' AD' ' @C ? A' 2' B@' @,+' ^@+ a' OKQQ'
= ' - ' ' &' ' ;QP' 7 B@A' B@' + U@' B ' G'
B-? @ CD 2' B@' ') D@C' AD' ' @C' ? A
' # ' , - - U 2' +-A@ 2' . @ +>C@ 2' - +> ? @2' @+
SJC@ @' - ' -CC- ' 2
,' OLKM B ' V ' ' 0' O OQ 7 +B' ' D' . @' B@' U@D'
+ ,,@' ' ;=NN PN' ! 5$ - ' PNPO' 7 +B' @ . B A . +' \
DD' -C' U@' - ' B ' CD ' OPNK' B ') $' $ '
- ' ==Q -CD A . ' +-' ? G' E,@' @,D' ' ? -A' B , ' D'
? A@C) ' # C' +B ' " @' , (' +B@' >+B' OPLW 3) .
$ 0' ' SM 7 B@A' G@' +2' E@' A-+' D' ^SMCS' - ' ' D') > A '
+@A A @ ' G ' GJ- CG+@ ' C@' OML=' = . ' & ') ' OLP'
7 B@C@' +B@' ,- @ ,-CA' . B+) ,@' . B+,G' +-' +B@@' B@C')'
! -A . ' ? ->CA@+B' @,,' SMM- 5 ' +C' ' ? !$' ' $ 0'
OO;' ' DJD@' ->A+@A A @ OMQO = . ' C0' 0' =L' B@ ?'
? D +' 7 +B' , - -U ' . +' AD' D' B@ +B> ' E@) V U@' OQ<O
! ' 7 ' C! $ 0' -0' ' LON ' ' D' AI> C A . ' @G@' OKS<'
' ' $' & ' SSS 2' -' B ,E@CD @C ' , D' AE, U22' AD'
-+B@C 2' A' +B@' ? @' D' , @CG' OK=K ' $ ' 0' $ '
S 2' &--C' , ++,@' ? @, 2' +B' C +B@C' ' D' +>,' @
D ' # ' + ? @ 2' J, @ 2' + -A 2' @+ ' %B C +@C X@D'
EG' -CC- 2' -CC- >,
OL ' 0 ' - 0' C 0' O ' POP' @' :(% @+A@ @' - - ? @C2' A@'
B@') DD@ GA+@C' AIA>' = . ! 0' . 0' =L' 7 @' J @D'
' D' , . B+' ? ' +B ' J, @2' AD' A@ @C' B D' ? -C@' A@@D' - ' : -E'
B ' J +@A @' +B@A' B@@C@' ;MMO : ' 3 ' +C' $' ! !&>'
$ (' #R# B ' ' +B@' DD@ +' A . B+' @' B D' A' ,, ' ->C'
-G . @') OMMQ = . ' C0' 0' L . ' =QK ? ? @D +@,G' ' m @'
O@ -C@' B ' @G) ' JJ@ CD2' D2' A) - ? 2 D CU2' ' X C B-> @,+'
@@ ? D' OQOO' ' %&> 0 ! 0' &) 0' ' 8;K<=N(;N' ' ' D'
, @2 -C' ' - ? A' +-' @' A-' B EV C- ? ' B@C' B> E AD' A' +B A . '
+B +' C@ . - -D' SKK') ' ' ' ON;' " ' 7 -A@'
- ' +B@' +B@' , -+ ' ' B @' @ @C' UA- A' A' , ' SKKK 8 .
? @ ? E@C' +B +' ' ' @A ->C . @D' +B ' JC-*@ +' EG' ? G' C@AD'
+B@' , +@' C+B>C' " > . B' %, -> . B
' @ ' 3 -C- @2 D ? , - -U A . ' 0
A I J' ' , ' 0' (' ' QN' AD' B- ' - ? ' +' +B->'
B +B@C' 7 B@C@' A- ' ? A' @>@C' - ? @2' E>+' +B +' D' D- . . @'
B +' EC A . ' ? @' - -D2' + -' ? U@' ? -C+>A@' " >@
IV % > A . ' -CC- ' D +C@ A . 2' , ? +-> 2'
, ? @A+ E,@' A' @ C,G' > @' J C+,G' . ' - ' @A @' Q2
T B@ G
C' OLQ' ,0' 0' $ ' ' S ' $ $ +' OK<' \ ' ^- a' E +' D'
D@D' J@C A- A@' ! - A@' C A@' +BC- ' ,' E@' +- A@' OP) ' <)
<& ! ' ' 2' !$ ' ! (' LL' " ' ? ' ,' B@' +- @' J, >@'
D' AD' >C' SM) ' O ' # ' $ ' ' 0' ' 2 ' DD@C'
B A @' B +B' . @A' ,, G' O-+B' +-' +B@' 3 C+B' AD' 3> ' -'
+B ' D G' OMP=-B . . ' ' 0 ' -0' K +' ' AD, ' ? JC-E E@'
+B +B@' & ,? ' ^S a' ? . B+' ? J- @D' -A' ' $QNM' B@'
- ' +B@' &C @ ' EG' ! >,2' D ,G = . ' C0' < ' 8 ' ;LP' 7 +B' D'
@22' - @C+BC- ' AD' ->,D' @ @ +' ;M 7 ' ;5 <) $ 0' '), 0'
8;K<Q(' OO' ' A' D @ ,' JJ@ CD' B- ' D' +B@' ' AD -A@ ' -'
@A+,@ ? A' +B-> . +' @' CA A . ' OQ;OQ')) - ' PLM'
5' O' ' D' -' -A D@C E,@' ' J C+ - ' +B@' 9 A . D- ? ' B->,D'
E@' - ' A- ' ? AA@C' -> ' - ' OQ<L' 8 1 ' > & ' $ "' LL' & CY
+ U@C ' - ' +BG' D' D@ , A@2' BG' B AD ' +B@C@ ' -C @C @'
S \ L ') $ ' ' S ' S2 # ' , ' + @ ' + +B@' D@D +] AD'
? -C@' D' O@ ' > @' +' ? U@' > ' ? ,@' OKP< ' <) ' 5L0
=<0' " - ' D' +' @C@' -C C+B>C2' B->,D' B@A@' @ ' -' +-A' @'
? -C@' +B A' B ' -A@,G' B ,,' ;
M$ E ! 2 ! D 2 ' ' 3 '
)5 2 ' ' ' ' $ '
B&,) !$ 0' $ ' & ' ' $ F ' 10' < ! / ' b' ! 3 $
OM<=') C! $)) ' MN2' ? ' +B@' DD@ +' B +,@ ' 5C@A B'
+>C@' >J-A' @ C+B' OM<Q' 1 ' " 0' 8;(' <(' LN " ' 5C@A B'
! @ ? @A' @C@' +B@' DD@ +' C@ +>C@' +B +' ' @ @C' ? -A . '
-C' +B-' @' B D' E D' @' +B@C' +B' +' C@I> C@D' ? ' AG B AD' , - +2'
G@+' +B@' E@ . @ ' +' J C' - +B@ ? ' A@ @C' +C@ ' D' - >+' -+B@' ' ? ' Y
? - U 2' E>+' +-' @' +B@ ? ' @ @ @+' B@ ? ' @ @' OQNM' -' B '
,) 0' ' %% , ' A ' 2' !0' 1 -> ' C' A' . A-C A+2' JC@+@ADY
A . 2' ? J>D@A+' %-S - ? E ' ? $00' G2' G2' ' D' / - . ' OQON'
' . ' - ' $ "' 8;KKK(' Q' ' D' J) C@' +B + B' ' D' J ' @'
;QOQ ! ? 0' *0 ' 2 #>C' &- ,,G' ' D' ,> ' QO=K'
' 0' ' $ ' (S 2' >JJ- ' @' G-> ' +B AU' @ ' ? @ ' @'
D- . 2 AD' ; D- ' -A@ ' +B +' JJ@ C A @ ' A +' ? @'
OQQO = ' ' 3 8) ' 2' C ' OPO' $@D' EC U' B->,D' A-+

E@> @D^ -C ->C A. C@ C-A_ -C + ? U@ D -CU ;KS< .. C ? !!L)) S 2 ,, &@+@C D D -A +B - -A 7) C + A. -?@ D +> A JC- @ S!SJ 6)$ '+ SS "@ @A UA- B + B B@ .-+ -C E,--D B@ J ,+2 D -,D @,,- B@2 G->J,@ @ SK) : = .) A @@D @ B 8;K=<(O=)) ? D - CD SKLM Q .(?& (.$ $, 0 B@ D D-. -C+ - @@, A. ?@ +C-A.,G >J-A :-BA /->A @ SK< $!" 2 OP A P L 6AJ-, B@D .C A +@2 D B CE->C@C - --+ AD D> +

4 A C -> JBG , @A @

Q # ? +@C , -E*@ + 2 ! -, D2 D@A @2 -?Y J + ? @2 B@ G 1 0 ^!- @ C,G ? -D

0 PPKQ -.C@+@G?)@ -.-,D@ D ,;LLN $ 0 > % C C 8;K;N(;<K 7 +B C@A A G, D B @+@ B-D ;L=N ' 1 . C 0 &' ,0 L;K< J@ ? + @A @, GA , J C ECGA , A.,G2 , -DD@ EC AA@ 2 J + @ DD@ AD B@ G ,4L!N ! ! C$! - ;NQO - +C@A.,)@ B ? J +-D - D +-A@A ,,@ ;LKK 9 . 6 5& 0 SSS Q 5-C -+B@ +B ,U@ >+@C A-+ D ^ >,. &!)'](E>+ B-,- @ ,4==N C &-B 0 C$ 0 ==N ; ! D2 -C E CD2 &!) 0 %4=PN & 0 " 0 552 0 8!B U !- (OLM A @G+B + A B-,G +-A2 $G+B D - @G+B AD B@ G - J@G 4!4L B7. ' S S,=Q B@ B + D AD ->AD2 AD @ ,,GE U 4PKQ ' ' !$' 8;KQK(;; O B@ ,@ B - E>, - DD@C >E + A @ AD +B@C@ -C@ ?> B B@ > @C +, @+B A +B@ ,@ SMSS 7 ! &) ''$ $)!B B@ > @ -C D B@@ @2 SD . ?$ $ % & O< B U AD - + ? E@C .C- @ - D AD B CD +B + + AA-+ C-+ %4MLK 66) A OC- A A. " N + O;< -+B- @+B +2 +@,,G-> ?E>+ @ +B@C2 B ,, E@ ->AD DD@C +B A ,@ D 4K=4 $ -0?. 0 8!>C+@@ (;=Q !B-C+ E C,@G +C @ +B@ E@ + -C +-JJ A.@ - B-,@ E@ > @ B DD@C2 AD A-+ -@ >E*@ U+ +- E,- @ ->+ +B @ @C @ E, + - AD@2 -+B@C, .B+ AD DCG +C @ 6 0, S -- &-0 & M<NQ 5-C DD@E>CD@A +B + ?@A+ U@A 3 U@ -,U@ B>,DC@ , @A ,;=NN *&!0 &!!0 =P 7 - -CJ ,- J + +)@A ?GA+2 A@ 2 \ -?GA2 \ , U@ B@CE@2 \ ,@>@A 2V@ DD@C J A. C - J@ , @2 D-?@2 @ J2 \ ?@C G2 ,;=KP 1" " E 8;KKO(;LOK B@ -CD@ - ADC@ @ E@G * DD \ J-AD@C- @ SMSS B , - . V ' 0 ?) '0 C ! ,G 2 / ? @, C .B+ C@2 ? -A ? AG D D @A+>C@ E->AD2 B + , ?@ -C+B A+- +B@ ,D@?@ @

+E !-, D -JJ- @D +- , I> D 1 0

,S),- 9 . 6 -0 !@, 7 U OP< J@C ?@+@ J@C E ,@ @ J +E@ B DD@A - DD@ E*A. 2 AD * @C DCGAU@ E@C E ,@ @ E\+E B DD@A - ?- +J A. 4LK] 10 ;L - B-? A@D@ - ?G,U2 AD A-+) ?@+@^ >,. &! & ,2 H0

^@ 5 C?,G S@D 0 @S $!0

$JJ B &'0 8;KSN(LNP !+^Ca@A.+B >,D A-A B B D2 +- J@C+@ !@ - E-C.E ->+@ !- @C @+ D +B J-GA+@ C->AD@ E->+@ $;LQP 6& * -0 OPK &@AA@ B@ @- E@ > C + A D 9-)@ OJ J 9 . 6 A -0 ;< O>+ +B@ D ->AD@?@A+ W H 0 -)- - $- ')% H - -D +-AD +B $;=NN 0 && 8;KQ;(;LQ O@- + +-AD@E D2 7 B-A LN EA.@A ,@ B A .-D@ B-> 2 J + +) %C +@ %C-> B@

D # - , !+ 2 B@ G !L 0 @S $!0

S) 3 ! 50 = ' 0<;O 5-C +- - @ \ +- @++@ A EZ D @C+A@ %4=ON C$!!$ 0 &') 10 ;; ;QL GA@ JC@>@+B E@ +G +B@G O@ @++@ A--A + C +B@ J D@ -C J,->.B2 I C +B@A +B@ ,-AD E@ -S@A DD@ -C +->.B B 6. &)' " $ - S QNO >@+ AD +>?@J D@, .B+ A , .B+ AD A@ ?->,-2 AD A-+ A B>C, B AD D .C->AD O>+> =) 10 8 QOS(MM %B ,UG AD C@ A +>C ,,G SV,D AD D SGS : = $ 0 0 & $-* 0 == B@ %, GD AD +B@ +->.B@ +2 -C ?- + +@A -> 2 AD +B@ ?- + D@A @ - ,, ->C !- , >J-A +B ->A+2 -A +B@ BC J +-A ! D@2 +B@G ,, +2 !? , AD ;KK< 0 0 ' 0 <!& 0 2 AD $ B@A +B@ C- + - A+@C B @ A-+ ?@,,- @D +

1 # EC@ D2 J +CG2 @+ B + B A-+ TC @AT

JC-J@C,G) B@ G2 c &2 $!0

SMKK $ ' . -&) " A L;Q ; O U@C @C? A +B@ C C+ ! D2j B@ G2 ,- @ OC@ D O>&>bI = < . &&. " S ;<; + ? U@ +B@ C> + D2 AD .C@ + B X CD - +B@ J @ C>AA A. SK =<) -$ 0 &' (7 U ;K=M KO @+ B ?J, @ +B@ @ C @ -A +B@ + E,@ ,@ + B + A J D AD , ??G2 AD 8 B-> @ @ +B .C@ + JC-JC @+G ,, +(D2 .C-g A+- D>,,@C C@+ -A AD A@C+@C D +G +B@ ?-C@ ? + +@ + ;KK< -0 0 ' # B + ?@ .C@ +C AD D->.BG EC U ->C @@U,G E + B + B +E U@C ,, T D)

+ # A>?E@C - J@C -A -C+B A. 5-C? A.

-?J +E-DG 1( )

$S --) ! 5$' h0 H J@?>,+ +>D@ C@+- ?@ ?@C>?,@ +- C@U@A2 J + ??@D -A E C D@? AG DD+B-> AD 1 (PPP< @++ A DD - ?@ \ "D B UA *+ ,4 LN ! 0 ' A. # DD@,@>@ - EZ -D@ C- *+@ B@B@? @D@

O2 # -,->C / CU2 D@@J A, +@C > @2 A ,>Y @A @D EG @A @P -+ B@@C >, ,--U A. A@>+C , + A+@D2 D>,,2 -E@C

B@ 8:@C $! AD 3/> $ 8/> O$ + B @ +B@ @A @ TD CU -CTD@@J JJ, @D +- -,->C 2 D C@ +D@ @,-JY ?@A+ C- ? +B@ JC ? CG @A @T >,, 8 @@ @A @ E- @4 ,;=; ' . 3 0 C ',(M<P AD B@C@ B@ ?G)->A@ - C,@+2 ! A.>GA2 C >CC@G@2 \ E,@ @ DD@ \ , .B+@ I S) P $ 0 C 0 8!+ .@ D C@ + -A(A $, & C!$ QM J@ * -- +@C B>, E@ , D A ?@A+@,G C@ +B@ A D .C@A@2 \ &@ , A E, U@ ,;=KL L $!&) ;= LK 1@,- 2 C@@D ! D E,@ ^5C , ' * H ?-CC@@G2 SSPL< A , %&!& $[! !!0 PL 9-- ?-C@+-> @C@D@ +-? B@C E>+ -+B@C DD@C -,@C A +B@ ?@ ;PQK ' B " %( ) ''" SSS <O %-,->C ,G.B+ AD D SM-- B 6. &)' " $ - SS KNO $> @+ A@ A +B@ A>?E@C B@C- (C@ -A+ A@D +B@)D A@ 2 -C D2 AD , .B+C@D ;MN< % B . '(&'(8;ML=_ ;NP B@ @ -AD !>??@C2 +B , .B+ G@,,- B A.@D +-) SM) 8.) +C &)% > . $ 0 ' 0 <LM -A. AD ,@AD@C B AU - @CG D E, U -,->C % . $%%& .(ON; 5 C + - D CU C@@A B -,->C2 .C- A. DD@C EG D@.C@@ +B@ J, A+ @ G 2+ ,, + JJC- B@ E: U ;Q<< $1& $ & " L;; / >EE A.2 - +B@ D- A- D .C@G + 5 ?$,.3 2&& & % $'$ $ O=; B@,@ @ C@- D .C@@A2 B CJ,G A-+ B@D2 AD D D@D A +BC@@ ,-E@ ;KPP .

'''" &'<< ! D .C@G AD EC- A ;KMQ # 7 ' . <)$ 0 ' ! 2 !B@ E D , G 2 E@@A DC@ @D A D -,-C O J 3 $ 0 !0 S 2 B@ .@A@C , -,->C A. >A -C? AD D

i !$ / CU -,->C@D2 -E@C -,->C@D 1 0

;PMN $, 0 7 U PLM +B@G E@ -,D@ -?@A AD ? CG@D A-+ V,G.B+ JJ C@,,2 E>+ D C ?@A+ J,@ @+B .-D,G B> E AD ;P<N 1 0 A0 . S P C GD A A+ I>@ C-E@ D- A@ +- +B@ .C- AD2 AD D B E, ?@A+ SMMK 1 $ " O= >. 2 3 G @ >J-A B A. A. +B@ ,-A. B ?E@C +B +B@ D +> +B + A +B@ E@ + B ?Y E@C 4Q44 &' 0 <$O0 - =<;< = 3 A E@+ @@A ON AD LN G@ C - .@2 J ,@ .@ AD D " C2

+ # ,@@J !->AD2 D@@J 1 0

$;LPN 0 , &!$ LO< A "-C +? ! ' !0 0 8;KK;(;P !-D A,G B@ @,, -A >,, D ,@J@ ;LQQ 7. C 0 C 0 O = AA@ U@D - ?G GAUGA.@ AD - +B ,,@2 J + A@ E DD@ ,-J@D DD@C AD G @)@A ?-C@ QS=NN 0 &" MQ< 3 @D@ &@C >G+ J + ,, D @C@ -A ,@J@ %;=PN $'. ' PKP A $, & C!$" ## @ ? G B@C@ BG? A-C@ B@ G D@ ,@J@) 4=KP L 0 ' 6 0 ON2 ; ->@CD ?G B@D@ AD G,,@ A +- DD@ ,@J)

% 3 # E,- "@ G2 D@, @C@D +B .->C

^!- @ C,G ? -D $ 0] 2 ;LPN !!0 C$! ' OQQP "@ @+ B C@ D +C-U - -C@ A V@A@ U@2 J + B@ +-J ->@C + , +- ?E,@D ->@C J@ B B@ %4=NN (&" ;OML #A@ >J@+ +B BG? U@A@,G2 * D @+ BG? D DGA+ O&>+" / = .) S PQM AD +B@C@ +B@G D B@D +- .GD@C ? AG DD@ +C-U@ $/+J ' 8 5$ - 60 0 S 2 S S O>+ ?G @CD A ?G B AD B D !+CGUGA.@ + BG? +B +C-U@ D ;PQK) 8& + -++ @(&'(,& 0 8! ! (OOO B@ +C ?J@ - 3)& +C U - D@ J->A B EC-+E@C --++@

i !$ # C@ -,@A+ 1 0

QS=ON &'(!& 0 S.S " >CC@ +E->)+ J +B>CC@ B + @C@ 7 @+ - @C @>C@ E-+B@ .C@+ \ DD@

+ # C A "@ G 1 0

$%J ' $ 0 8@D O(LN "@ @A + @, + +B + A + A+ @@J A. - E>AD A+,G2 +B + A@ @C DD@C C?A@ AD - ,@ @ -A+ A> A @ QSM=P ' 8 .. 8;MPN(2 ;K= A D B- @C - C A

44 & - 1(1(+ (<M= D6 -?4+ L(0(

=+ *4 -* D (= $ 3$,TE(= (U0 (?*-0 (0

>F - + ,&!&) %3 " YB$, (^ $ 3'$) "

3*$, (^ - ' " 3)' (3 &, H D - U@ $!(

(< (E 4-()- -< D(J-

$I \ c ,P &'. ! '$;O= !B@ D D A-+ C +B@ B@ ,U@D B@ A-+ DV @D SK) : (. &!. * 0 & . 0 Q< ! D U@@ U AD D J -C? ->C +@ EC@ U + SMM- . B ?& ,&1 ! ;; 8;MKN(OQ " 3 *@ +G ,- +B@D A B-C+ : >JJ - W D -,->C@D ,- +B $ $ 0 (2 D@ @A+ > + - D -,->C@D ,-+B@ $/OO ' 0 0 ONO B@ D @G'D ,> + @ +B B >C,G E>??@ ;PKK] 0 0 0 ,, MQ 1-> D @D@ ?@A2 J@-J,@ AD -A - $-?@ SW<L] L '0 (. 3 ;OL ! DVE@ C+@D ?@A2 ?> B ->@C .-A@ +B % C@2 $ $/% , &! -(8 CE (LM B DD@ A +>C@D2 AD B CD ++@D B ,D $/OO = ,0 !!$' &C-@? 2 !+ G B I> U - >A U J 2 AD -C @ B ? C>AA@) D J + ->C @2 $ $%JJ" B 0 8;ML)(;L; !- ,, :-G . A@ + ,, +B ! D @@? A. GD A. -?@ O/O> & > &-*!0 = AD D- A@ :, D +- , + +B@ D +>A'D + ,@ 4K== = 8 7 ' &% "*) 2 ? D - @D +B@ +>C+,@ 7 B B A C@-A > @D +- @@D

O $ 0 1 0 @S *& 0

5 C? ,G2 +C-A.,G2 S@D,G 1 0

QS)N)-10 LPL -U@ J + J-> E@ C?@D D \ B@,@ JG E C@ -,,@ , ;=NN 0 &" ONQK "@ J + @+ >,, D -A - ,@ @>GA2 " G? J C A-+ B@D@ +- E@ B>C+ +B A- E@.BZ ,,@ %4==N C$!!$ 0 &') 10 HHH0 P< - @ J-+ .@ C@ A U@ ?GA.@2 \ U@J@ A - , E C@,,@ -C ,+ +>EE D-A@ ! D ,@G@D @,2 +B@G E@+B ,@GD +- ,@J@ , 4=Q! C$ - $" LKP) D @>2 ?G >@+@ ,->@ JC@A+@D A B@C+ D `

/ "@ ,G2 +B -C @ 1 0

T $5k%) J@G - *+ @>@C -C@ \ DD@ 3 @A AG + B-) J@ E@+@C@ E DD@ , ;=ON &20 0 SS "@ +C-U@ B ? DD@ AD -C@ $%AO ?) ? E - & %< ! $ =;8: ?(B@ ,-A. @C +B@ C- U@ E@ A -?? A. + -??@+B D- A +B@ DD@C2 $ $>&J .1 ,0 C& - 8;Q=Q(= 6J ,@ B@C B AD +- -> @ +B@ - C@A, D O>+ B2 +B->) + > @,, A-+ D- A - C D

!+@ D +,G 1 0

,;778 C$ &'&* ;KML B@ @ - @A >A+ +- B-,D@ >C@+G AD DD@ OS=PN = % 0 C$ 0 C OMN @ B@ B@? ,,@ +- ,@>@ DD@2 J + BG+ J + G A J@ +@C ? D@2 " G+ G @CC@ .-DD@ E,-D@

! !@C -> ,G2 -E@C,G2 D C@@+,G 1 0

;= &2 < ("* $) $)0 ;<K A AM E00> ,$ 0 8;KM<(PN AD J> + ,, C@AD@ G,,@ E@ ., D@ J + +B-> D J- J@) ,G @ AD D@

) # B-C->.B,G2 +C>,G2 @C+ A,G 1 0

8Q4L) 9 . 6 -0 !@, 7 U PM 3 +@C2 J@ @ D@A2 @ +@A @, J + J-> C+ D +C@ @ QS=NN 0 &" LMNP : A -C- ? G E@ @A@ B- D @2 , 4=QP C$ '$" KQ= 5>, @, +B G D UA@ + +B@ GCG 1 0 <PN 3 @C>@,@ 2 @ +>, D @>@C B>? A @G +- + @. , `

M !-CC- >,,G

;MMQ = . I 0 OK !-?@+ ?@ +- CD D@A B .C @ D ,--U B@ S@ D ;KS< : $ - $. &O 7 BG) ,, G-> J,@ D G->C @, - D -C,-CA

!$ &-10 $!"30

S) L), 0 ;P<N 7 B B B@A B@C D E@B-,D A*. B> E AD ;MSL 7 2 " 8 ? 0 C$ 0 ;; 2 B@ C D @@+ ., A @

! D 8 L@D(2O 5-C? @@+B@ D* ^ !)@ F

' !H

2 $' 0 -? U@ -, D2 C?2 -C + +- -?Y JC@ 1 0 @S (%

;LKO 7 @>5 , Q AD A--A +B@ .C->AD AD J, >A+ - B ? E@A DD D +- . D@C@ ^ >,. ,&' &! $ - %) '](;L<K 3 ?$ 0 C 0 0 8S#" (OQO B @ ? +@C@ +BG U@D AD DD@D AD A-+-E@DG@A+@ +- DG.@ +G-A ;=2 5 ", ! $!E % '!) 104 N &+

=Q !- @ G->C GA+>C -?@+G?@,G - J G->C , AD@ ? G E@ D D \ G->C -CA@ C-+GD -C@ .C@+@ GA+>C -? Q==N C &-*0 C$ 0 ==N ; ! DDGA2 -C ? U@ 90 (&! &(,&'3 &! &0 4=<M C$)C0 8 7 D@ 7 (SS OMK O B@ @AD@ EG > C >A @ - .-D ? G DD@ +B@ G@C AD ? U@ BG? E-DG@ - +B@ G@C 4KNQ ' 77 '0 ?$ ($' " & 4 ! ADG B@A +B@ B G2 @ C- @D A" DD +2 - X,@D >J +B + A A@ ? .B+ U@A

+ -? U@ +@ D +2 @ + E, B2 -A C? 8 (

4LQQ 7. C0 C 0 O S O=O > +GA J@ -,D@ B@C@ - B@ ? D@ E-U@ AD BG? @, -CD@GA@D +- DD@ A E, >@ ,4=OP & & 0 $* ' (A '' !$ 4 LLL O J@ - ,@ J + A-+ L + >,,G@ DD@+@ AD + E,@+@ A J@ ?- +@ J C G+@ D@.C@ - ,->@ Q4=PN +C - $ &' ;ON 3 G ?GAD@ DD D ^-C . &! $ $ H A .-D2 \ .C->AD D A C +

i K -D CU@A 8 -,->C(1 0

4!QL &% - ' = - J C+ X>C@ AD -A@ - @C@> @ AD DD@D +B +B@ ?@ X>C@ -C +B E, U@ A U@ ;ML= : Y # " 0 $ 0 ;O= 1-> ? G , G G->C #J?@A+ +B E ,U@2 AD DD@ + +B EC- A@ - !J A ^@+ a

+ ! -? U@ -CC- >, +- DD@A 1 0

L% A = ' &' &> 0 2 3 G + A-+ D G->C +B->.B+ 4M=L C&2 C$ 0 8@D O(O= B@ -CD B@ C A. - +B@ @ JC- @@D A. @C@ ?> B DD@D 4M<O & 0< $, &' &'$!QL B@ "@ C+ - G->C 5C @AD ^ C@a @S @@D A.,G DD@D SKS- C& - L 7 B@A A +>C@' .@ D +B@ .B+

E -? U@ D>,, -C .,--?G 1 0

SM - - . % C (S B@A J->C D +B@ ?, A. -C @A+ - +B@ JC A. A. D G 0 & $ +-+ ,U A D ? AA@C I $ I J : .. 7 8 C$ &'> 0 ;; <P 7 B ,@ G-> D + +B> +- -A@

! D2 -E -C? - "

! D @> 2 -E J -))L;

+ (2<<-< 1 0 ^ ! >V X i ") : A @A @ - +B@ @CE C !-, D @D -?J +@D2 E %-A C?@D2 +C@A.+B@A@D2 ! DD@A@D2 ? D@ -CC- >, 2

QSPON (0 0 ' ,& " &-0 S S O-+ @ DD + ?@A +- > +@A@ +B@ @E ,A@ - @@U ?@A2 AD A- B+ J,@ @ +- ->C @, SMS- - . 0 ; SSS 2 B@ DD@D C@ B>A. ,, A B@@C,@ @ E, U@ $%/&"%% . C$)(8;MQM(M<L B@ DD@D !-,D @C ? C B@D A +B@ C + $ AU $% + C &!0 &T & & ' $. 7 B B U@@J ->C DD@D "@ C+ A D@@J > J@A @

! DD@,,2 ,G2 -E -C? -).

(<<- 8 @ D'A(2 0 ^)$0 N " V $' 0 -? U@ -, D2 C?2 -C + +- -?JC@ 2 C@AD@C -B@ @ +-JC@ -C E@ + &2 ' A+- -?Y J + ? - $!0

;MNN . A 7 -C, D.@ " 0 ,0 8;MM<(== , - +B@ C--+ - +B@ %UV? ,, JC@ D E@++@C +B@ .C->AD E@ DDA@D , ++,@ A +B@ E-++-? - @g @CG B-,@ $%&$ $ -0?. 0 8!>C+@@ (QQ "@@ ->,D@ B @ +B@ +@C ++,@ G2 AD +B@ .C- AD -?@ B + DD@A@D SM) . ' 0 -*& 0 S ;NO 5-C G->C ?@ +@C + -A @ !, U@D2 AD 3@,+@D2 + - @CG -,D +>C@ -C + ,, DD@A G->C AD @S @@D A.,G SMKK $ ' . "CV '&) "555(QL ; C@ D A. + H ,0 " Ga +- DD@A + D- A @ +B@C A +B@ 3- -C 9 U2 \ ;QNQ =) 10 8;QO;(<= 3 C @ DD@A AD2 -C ? U@ + + -C E AD A.2 G-> ?> + D>A. + @,, ;KSL . < '0 2 ,0 ? 0 L=O 8 / / (2 B@ - , E@,- ,,2 AY +@ D - E@ A. EC->)+ >J2 E@ +C ?J,@D AD DD@A@D

% E ' 0 - E@ -?@ + -C -, D 1 0

S) S $ ' 0 ?. 0 8!>C+@@ (+B@C@ E@@ AG AD ,- + +B->+ C A@2 +B@ .C- AD ,, DD@A AD +B@ @,D S@ DCG ;Q)))-) 0 S =NQ +@C B B +B@ .C->AD E@. A +- DD@A2 S) . U = L ' 0 &) +0 8@D <(;;Q B@A + U@ +B@?- +B@ C@ AD ,@+ +B@? + AD , ++,@ +- DD@A

/ $' 0 -C@AD@C D -C -CC- >, +- D@JC@ A JC + , -2 +- . @ D JJ@ C A @+-

4MOK - . &! ;; ^+a SMM "@ ? C+ 2 AD J A@ 2 AD DA@+B B A >?EC@D ->,@ ;QSQ 1 !& $ & 1 !$;MQ "@C .,--?G JC@ @A @ DD@A ,, +B@ @A@ OOO> =) . 66 $! $'' 7 +B B@ C+ DD@A@D EG D JJ- A+?@A+ ;KO= 7 Q 3 7 0 $ 0 OK + E@ >+G DD@A@D EG C@ AD AS @+G 4KML < . ! 2 - &!$ [[("@C C->AD @ ?> B J ,@D AD DD@A@D A @ B@ E D J C+@D C- ? + ;KK= < $* ,= # + LPK O + DD@A ?@ +- @A+@C - @CA?@A+ E>C@ > + +B@ JC@ @A+ D G

E ' 0 - E@ -?@ D -C .,--?G

O>O 1 ! $ S PPK C-G DD@A'D + +B@ @ ;QOQ =M) - - 3B AD 3@ DD@A + +B@ ,-A. D@, G 4QP; .. C (C ,0 S 2 "@C ->A+@A A @ DD@A@D A ?-?@A+ SKSK : $) $ "@ B- DD@A + +B->.B+ - D,@A@ AA-+ E@ D,@ SK) - U< .) +C # SCSSS S2 O@++@C E@ ?@CCG +B +B@ C> + >, C J@ B? DD@A +@C A-A@2 -C E ++@C2 5C> + % 0 4Q<P &! $'' $ * B AD + B +B@ ,->D 2 +B + , +@ @C@ C B +B ,)B+2 !,- DD@A A. C->AD " ' AD $! ,&3* ' ' 0 - +-A@ D- A

8 -,->C (EG +B@ JJ, + -A - @C+ A B@? ,

;Q<4 ' . ? &!! > " ' 0 ;<M B@ @ >E + A @ B- @ @C DD@A@D +B@ @A? -A -,->C AD . @ + ,@ ,> +C@ +B A +D>? 5 99 $L'10 ',", 0 =;= O $ ' ' (J@ >, C ?@+B-D - JJ,G A. @C+ A ?-CD A+ A DG@ A. AD JC A+ A. ,-+B 2 - +- . @ D>,,@C B D@ +- +B@ -,->C @?J,-G@D2 1 & . &* , * !@C T LN O 7 A B LN ? A>+@ 2 AD , + -C DD@A A. 4KQ= 9 I $' 1.0 " ' =' $! ,&3* ' 0 PL 5-C DD@A A. -6 @) DC E 2 , C@+ 2 \ 2 + ^) -JJ@C a B E@@A .@A@C ,,G D CD@- A ->C - A +C +@ - C-A

(<<- -< 8 ? D'AD(2 * * ! 56

3 D@ D

4 □□) ! $ QMK B@ ?J A. !? +B -E @C 'D +B@ D@A'D 5@ + ;K=O = 7 -0 S 8;K=K(;=M B@C@ -?@+B A. J@ >, C,G+-> B A. A +B@ DD@A@D +-A@ - +B@ @ @ -CD ;KQ= . 6) 0 <2 "'' 6 =Q EC .B+ ,> B @J+ - @C B@C C +B@C DD@A@D @ 4KQ< - 0 C$$!8;KKL(PK B@ $@ >A@ + -A - %BC +B D ++@C) @ @CG ,->D C- ? +B@ C DD@A@D ->,

V ; ;

(<<- K'8 @D'A ((2 **!0 $0 ^ C 'O a
' B +' DD@A ' -C C@AD@C ' + ' 1 0
$%/J' . ' -* & (!-* /' ;LP A' -CU A.' +'^, ?@a
A+-'+B@ AD +' @@? ' \' JJ@ C@'+-'E@'%-,D@ +2 AD'?- +'
DA A.' - ' AD' - ' AG' ! -G,' B + -@ @C
/ ' % > A.' DA@
;Q= ' . ' ' $!' !0 'O= AD' BC @U ' AD' -CC- '
,- D' +B@ DD@A A.' AD' ;KN= : '< ' 11 ' QNP
"@'A@ @C',-A. '+-'C@ D'+B@ DD@A A.'+ ,@'# '@AD,@ ' C '
"' : B) ' ' 0 8;KPK(' ' ;<N B@ C >? + A @ '
>AD@C B B' +B ' @ -A' -J@A@D' @C@ .C @' AD' DD@AY
A. ' ;KK= 0' & - - 2 0 OL' # + ' 0; L' +' ' DD@A A.' +-'
B@ C'+B +'+B@'!>AD@C, AD'@A. A@@C 'B @'E@@A' -A' +C U@' -C
MN @@U
! DD ,2'-E ' ,-C?'- ')).
i' (2<< K' 1 ' 10 1 (^ ')' 0 N'" 7' 2a'
B@' + -A'N;'? U A.' D
;M=L' 7 '< .' 5 '$ ' && 'LP B- @' + -A ' C@'
C@? @' A' :> + @'E@ D@'+B@' DD A.'- '+B- @' C@' AA- @A+2
+B@G' E->AD' A' / @, A I>@A+' AD' D A.@C ')$%&J B R
6)' *"$!' % 0' $ 'SS 'OQQ B@C@' ' ' DD A.'- '
+B@' J C +2 B B' ' -CE DD@A
' (.<< K'**!0 $0 ' 1 (^ ' ' ' 1'* ' ;.
(' B +'? U@' D' 3' 0@ -? A.' D
A%/+' L ' $ ' ' 0' ' >' e' Q 8;MP=(OP=' C@' +B@ @'
> B' DD A.' AD'? DD A.'+B->.B+' ' $'$ J0 < . ' -&"
' "' '8;K=N(L= , ' '?G -A2+B@ DD A.'? +C-A C@D
(<< =6'8 ? D*(2 $0 ^ ')' $0 Q " V ! -?@Y
B +' D'8 @@'+B@' D*(' , -' & - 10
;M=Q' 8 'C&! 50 ;;'OMP #>C' "@C-@' J>+' - @,,'
,' B ' DD B' #CA ?@A+ 2 'B '+C >? JB A+' XMKM $' (
<$ 0 - 'O;<O =' ' DD B' -,->C@D' +> '!>+@' OK=K' : " '
(8 '< ' '<$ ''LLM " ' -? J A -A2 A' 'B@ + + A.2
DD B' - @2 D'+B +'B@' ' A' A., B? A
(<<4-'8 @ D (2 10 5-C? ' ' D-,2 L M'
D@,2 = M' D ,,2 P M' D@,,2 ' D ,2 P D D ,,2'
D ,,@2 G,2 G,,8@2 @,,@2 >,2 P2 < ! '),@2 P Q'
D,@2 M ' DD,@2 ^%-? ' @>+ ' # ' $ &!%3)!'
? ' f'3 /> 2 $!8?-D />'O$!'O$$+' # " '
$ $!%3)!'8 3 " ' $! ' ?-D ' $!+ '# ')!'
8! 2 / ' $!>+# @>+' '> $)!&300
&- E,G' D-J+@D' A'# @>+' C-?' -?@'-+B@C' AD-.@C? A '
, A.> .@2 AD' ' -'J@CB' 'D@C + @'- '+B@'C--+' E, >+'
G C' - 'T '8 @@' 'Cb(2 B@A @'+B@' GA-AG?-> ' ' !!$'
4H3T ! +(# !,' !&'8$> A' > !&"' &-,' & !&+0
-'UA- A', A.> .@2 B- @ @C2 B ' ' -CC@ J-AD A.'D@C '
, @' C-?'+B@'8 .C D@' - '+B@'C--+a
' ' @ +' -C' 'C D@C'+-'E@'> @D' -A' +B@'E U'
- ' 'B-C @' -C'-+B@C' A ? ,'@ J2 ' -A @' @ +'- '
,@ +B@C'B A.' D@' , J ' AD' ++@D' +B'. C+B ' AD'
+ CC>J ' , -' A' A ,-.->'U AD' - ' @ +' -C'> @'
-A' ' G ,@
& ' ' $." -C' C D A.' J>CJ- @' ' ' $! ' -A'
B-C @E U' &'!& '&' ' >' $! '+-'E@ -?@'>AB-C @D
? & 2)!%' 8 C (B+' '?@ C ' C' A>?' +-D' D-,'
:(OO' W'B ,D@ @+,'B@ B@GA A*@ ' ' ;ONP '%&>J' +'B '
D@,@' A' @S' ,'OOPN < '0' ' 50'L<=< J -A'B @' @'B '
D@,'B@' D@D@' ' ,';LLN' '=' !0 L);' 89-,E A.(3 A'
A' D,@'B@,D'B@?' + ,@2 \' ? A' ,' - ' 'B-C' @,,@' ' ;LKP
B ' (' <0' 0 ;;<< J-A' 'B UU@'J ,C@G'J J@C' B +@'
7 +B' D@,'C@D@ '! ++@' / D-' O=K=' L ' $! "' MP
GU@' 'EG'+B@' DG,' 'UAG.B+' '>C@'>J-A'B 'B-C ' ;P<M
'Q '0' ' 'M : JC@+B@@' -?2'E@ +@'%>+' ! DD,@2
J>+' ' @ '5,- U@' A'+B@'J- A+' OM=N +C' ' >' & - 0 &%'
&h% 0 " ' ;KO^ B@Ga',@+' G' +B > B' ' -C @2+B +'+B@G'B D'
,?- +',- +'+B@ C' DD,@ 2 OMPN - B.. 'C $' ' ' ' L;2J+'
1@ 2 > B' 'B 'J@C @ @C A.'E@ >+G'8 C' A'+B@'%C D,@' AD'
! DD,@'+--( ] +B +' , +@D' >A+-' B ' -,D .@' $%>A' '
C&!0 '$ 0 +'PM B@' ;M2NNN 5 ? , @'B @' -C'+B@'%- B'
AD' ! DD,@' A@ C' =N 3 ' "-C @ 2 $';Q=P' 8 6 ' ,0
$' '< &&- (%-A+C @'+B +'+B@'! DD,@' ? G'J A B' +B@'
O@ +' A' B '7 +B@C ' OKLQ 7 'Q 3 7' $* 0'?&' * !! '
4;L' U A. ' ' ->J,@' - 'B-C @ 2 -A@' -C'+B@' DD,@2 AD'+B@'
-+B@C ' 'J U B-C @' OKP< ' !$ ' '<M !C'9 A.2c'
? A@' A @A+' ->AD' 'B CD,G' B-,@2 AD',@+ '?@' C-?'+B@'
DD,@' ;KKQ B '\' ' .. ' ",!' '80 D?' EC(L=N '
> + E,@' DD,@' ' A@ @ +G' -C'+B@' -? -C+' -'+B@' G , +'
6 0 ;MLN 0' "&.' &'>'V ' 0' % & - - 2 0 =0 -+B A.'
@ ' .C@ +'$ @C' -' ?> B' ' 'EC D. @' 'EC D. @' '+B@'
DD,@'+-'C D@'+B@'!@ B-C @
3' 7 +B'I> , G A.' -CD' AD + A.' 'J C+ >, C'
U AD' - ' DD,@'@ J' $' $! (' DD,@' -C'+B@'
T .C@ +'B-C @' 8 @@' (' 10 O;(
5-C')%E ' "C$ (*& '$' $)(') ' ' (2 $ ' $! (@+ '
@@'%B@ C +'@,@?@A+' , -')). !) ")).
OPNK ,,(' 0' ' ' $ 0' ,& !0 ' O;< +@?2 -C' '
5C@A B' DD,@' + -'. ' G' ,U' D,,' SS * ' ;PKO
!!'&%' "! . '8!-?@C @+' " -(2! -++ B' D@,,' $/O'
-. ! , ') &' '$ &(' ?- @+2 ' , + A- @2 ' A- @'
, U@' ' -+ B DD,@' ;MNQ = ' $!$, ' ' S'=<
K %'$ 'H B@'% @ +'B-C @' DD,@' 1 0 PN @S+' A+-'+B '
DD,@' '+B@'3-C- -' DD,@ 2 AD'+B@ @' + -' ! DD,@' ' -C'
@C> @' A'+B@' CC@ 2 C@ > @A+' $%&&' 3 . '/C #'
4 JC 2 B@'D@ .A@' ' D? C E,@2 -?@'U@@J A.' A@ C@' A'
B>ADC@D'EC @'B-C @ 2 ,'? A .@D'+-' .C@ +@' DD,@' A%%/'
' ' ' $ 0'8;MQQ(L;=' ! DD,@ 2'B .B' AD' ,- @2
, U@'->C'.C@ +'! DD,@' OM7'$' ' . ' - &) "' + 'L=P ;'
'O>C -CD'! DD,@2'B +B'+B@'!@ +'J, A)' AD'+B@'!U C+'J, A'
AD' +C .B+2 ;QNO' & '9 8 ' 0' $ 0' 2 MM " '@ 'C D'
+B@' .C@ +'B-C @' @'CG' @,,' AD' -A'+B@', ++,@' DD,@'B@' '
' ' , E-C -> 'B>A+@C2 -C' @,D ? A
' ' $!',))!'^A-A @ > @2 +C' ' !!$',) - 3'
E](+B@' >C>,@' B C
OPLL' ..) ' "';' '8! ! (' =Q' "@' ,@D'B ?'
+B'C B@'\'C ,,' E,)@?@A+ 2 E@' ' ->C+BG'+-' @++'
D ,,' >C ,' 1 (#\(SK
0' 5 .>C + @' JBC @ 2 (' ' ' $! (A'
J- + -A' - ' + @' ? A .@?@A+' AD' .> D A @'- '
C 2 A'- @' ' , -2 A'C@ D A@' -C' -CU' ! ? Y
, C,G' &' ' ' &' ' $! 0 &',$ '&) '&%'$! (+-'
D@JC @'- ' - @' -C' J- + -A

OMMN 1 ' $ "'L' 3 C 2 " @'+-,D'?@'B@') C@D'+B@C@'
A@ 'D@ .A'B + B A.2 ' ' 3 -AU'B D' ' ? AD' +-' .@+' A+-'
+B@' DD,@' OMQP'+C' $, $!!> 'C ' , ' '8$+,D.' ;KKL(
P ' !>'B ' EG' +B@' ->C' - ' -C+>A@ B @' .-+' A+-' +B@'
DD,@' OQLK (.' 0' C) 0' OOP' B@'&C@ EG+@C A'
E@ A.'A- ' . A' A'+B@' DD,@' OK;<' ' $' & 'SSG2
'B @'UA- A' B@A'?G'E C@' -CD' ->,D'B @' +'+B@'E@ +'
? A + C? ' ? -A.' G@' ->+' - ' DD,@' AD' ->+' - ' @C @'
OKQ< ;< ' ' 0 MMK' ,,'+B@' + +@ ' - ' + , @' @J+@D'+B@'A@ '
& -J@' AD' $-DC .-' O-C. 2 -A @' A'+B@' DD,@2 'A-+' '
? A'+-'E@'@ ,G'D ,-D.@D' OKKO $' ' 9 ' 3
&) ' ' ' S 'LOL' B@'JBC @' A'+B@' DD,@'] ' A'
@SJC@ -A' - 'C@ D A@ ' -C' -CU2 ' ' J@ >, C,G' A., B'
JBC @' ;K<O '!'%' 3 ') ' ! ' ' 'OK #+B@CY
@'+B@'B JJG .- ,> UG2 G +@?' - 'JC-D> + -A' ->,D' A-+'
U@@J' + @,' A'+B@' DD,@'+-' AG'D>C E,@'@S+@A+
E '+' &' '1 ' ' $!' ' +-' E@' E@ D@'+B@'
? CU' 8% ' B ' 10 ;N'E (i' &'*) ' -C' '
1 ' ' $! '+-' J>+'T -> +' - '+B@'C>AA A.' +-'
D@ @ +'+B@'J, A '-C'C> A'+B@' C@@C' - ' 8% ' B '
1(;N' (H &' '1 ' ' $! T(+-' E AD-A'
-A@ @,'+-'D@ J C
OPMK < 6 ' &'0 'KQL' B@' 5C@A B'U A. @ C A.'
,@ +' B@A'E@'B D' ,?- +'C>AA@'B 'C @'9 A.'"@ACG' ->,D'
J>+'B ?'E@ D@'BG ' D@,,2 B-?@'B@'D D'B ,@' > J@ +'+-'E@'
'E U' C @AD' - 'B) ' OPQ< KN ('C!) $, (' 1)'
' $) '8;MPM(M<L' 'B@' ->,D'-E+ A' +'^CC'+B@'%-A >, B Ja2
B@' ' >,,G'E@A+'+-' @+' % > 'E@ D@'+B@' DD,@2 $'OP<N
< ' $-& * 0 7 U '8 C- C+(4 'K;' 7 @,,2 B- - '
@>@C' +'E@2 > D-C' B ,,'E@' ? A@2 B@@' B ,,'E >@' ?G'B@ C+2
AD' 'B 2 -C'@, @' ' ,,' +'E@ D@'+B@' DD,@' OM==' S '
<& ' ' &) ' '8;K==(;<' '+B +' A-' J- @C'@ +B@C' - '&C A @'
-C & C, ?@A+2 B ,,'@ @C'E@' E,@'+-' @+'> 2 B@C@ +@C2'E@ D@'
+B@' DD,@' OMM=' ' 9 ' &' 3 ' = B#' 'LM B '/ - +-C'
'E@ D@'+B@'! DD,@2 B +' 'A- ' A' : @' 'A-+'->C' A I> CG
'8 '2 !!+' '2 ' ' $! '& '!&, ' ' & '
8-C' @' @C (' D' EG' -A@'@A. . A.' A' A' D @AY
+>C@'- ' B B'+B@' >@' ,,'E@'@ +B@C'B .B,G'JC- +Y
E,@'-C'C> A-> ' "@A @' A' C -> ' ? , C' JBC @
OPQ< 9 . B I ' &'%) 0' $-0' & ' MO'E2 "@'B +B'
E-+B'@-J@CD@D'+B@'B-C @2 AD',- +'+B@' DD,@' OP<=' ('
E'%& 0' $ 0 7 U ' ;KKL =' ' ' 7 B + -@>@C'+ -'C@ -,>+@'
?@A' ,,'.-@'+-'D @' -C' +'2 AD' A'+B@'EC D,@' -C',- +B@'
DD,@' ;P<M 1 ' 0A 0' 3 '3 'AA 0>+' 0, AD ? ->C '
,+,@'JC G 'D'B ' , E->C '@ 6,' J@@DZ B +' J- +,@'
DD,@',- +' +B@' +@@D' ;MNL' 'C$,. ' ' $ ' ' 0 Q
O>+' ?G' + @'E@ A. -'D- A@'+B@' AD@' ' ,' +BC>+' ?G'
@,@' A+-' -?@'J, @' - ' @C> @' A' +B@' CC@ 2 B@C@' ' ,,'
@ +B@C' AA@'+B@' " -C @2-C',- @'+B@'! DD,@2 OMQK B) 8 '
!!O' " 0' +'=O'K<=' B@G C@ -, @'@ +B@C'+-'T A'+B@'
DD,@'-C',-- @'+B@' " -C @'
D ' &'!$"' -C' ' ' $! ')*&' ' ' ' &
8 AD' ? , C' JBC @ (' +-' , G' +B@'E, ?@' - '+B@'
C .B+'J@C -A
;MLP A' ! A E>CG' $!0'&%'&) ' ' 0' 0' ' &0 8;<NQ(;P'
^$@ -, A.'B- '+B@G'? .B+a' @+' #B@' DD,@'>J-A'+B@'C .Ba'
B-C @' OMPL' . . 7 ' $ $%& 'C &%0 8;MPL(% ;2 1->
B @', D'+B@ DD,@'>J-A'+B@' C-A.' " -C @2 $';MPL' < B7 '
& ' -0 1 (S 'LQ -'C@?- @'+B ' AD ,2 +B@' J- +,@'
@++@+B'+B@' DD,@' -A'+B@'C .B+' " -C @2 AD' B@ @+B2 +B +'
^@+ a' ;M<N 9 ' % 'OP :>,G'8# " ! (' 'LLM' ' !0
+B' B ,D2, GD'-A'+B@'+ J +@C2 B-' D'+B @'+'+B@' DD,@'
-A'+B@'C .B+'B-C @'' OQLQ '- ' " 0 $, ' '8;K=N(
KL'O>+',@+'>'EC A.'+B A. '+E 'C .B+'>AD@C + AD A.2D-'! + A'
*> + @2' AD' @+'+B@' DD,@'>J-A'+B@'C .B+'D@ ,' OQPL' = '
%' ' L' -$!'A) 5& '8;KON(' '3 .'S ';P=' ,' ,@ C'
?G @,2 AD' J>+' +B@' DD,@'>J-A'+B@'C .B+'B-C @' ;KL<
')' $!' $') ' * '5! E (AD'+B@' +' +', +'@ J@'
C-?'+B@'E .] AD'+B@' DD,@' 'J, @D'-A'+B@'JC-J@C'A .2
@' &'*) '8-A@(&' ", & ' '&%'-C' &'$!!' '
$ '&%'%-A@'(' $! ' +-' -?J@,'+-'+CG'@ @C)'@SY
J@D @A+' ,0
OKOP 'A' - UB C+' % '8;KLQ(2'O=2'B @'+B@'DC@. '
- ' EE-+ -CD' " -> @'+-'J G' -C' - ' ' ?> +',--U' -C' -?@'
? -A+B '+-'E@'J>+'+-'@ @CG' -CA@C' -'?G' DD,@' OKOP'# R
' 0! 2 &'*) '&' ' &',' ' $ '&' ' $! ('+-'
A- ? > ? 2 +-' .C @,'-A@2 '
' A' JC- @CE ,' ? , + @' JBC @
;PMM : L' (' %0 6 0 8;K=M('O=O ' @,?,G@' '
.E+ +-'J>++' ' D ,,'>J->A+'B@'E U- A@>AC@ G'U- '
OMML' &'31 - '(KK O>+' -C'+B ' JC@+@A @' -'J>,,A.' D- A'
A+ BC +2 +' ' DD,@'+B +' ,,' +' AG'E U' OMQQ 7 '
'B7 ' $'' &%' '' 'S 'O;P B +'E@ -?@+B'B ?' '
B AD -?@,G'8 -CD A.' +-' ->C' &C- @CE(' ' DD,@' D-+B'
'%- @'E U
L' B +'J C+'- '+B@'B CA@ '- ' 'B + B-C @' B B'
+ U@ '+B@'E@ C A.' - '+B@' B + '8 @@' I>-+' ;KP;(' '
C+' '-C' . . DD,@
^;LQQ' @@' ,$ $! ' E22' ' 10 9(,' ;=OP' &,0 A'
C .A+ 7 >, U@C'99 3 F &, & !&!!) - (' ,$05 @! "HH OH OQ<='
^ @@' ' B 7' 10'O Ea2 ;KLQ = ' !!$'C& 0 SSS 2
B@' B +'B-C @'A@ +B@C' @,+'B ' DD,@'A-C'B 'E@,,G E AD'
OKP;' ' 1 '?.0' &%' $ - ' '8@D'O(2'=LN B@'
B + B-C @'C@I>C@'EC D,@2 - ,,)'B ? 2 DD,@2 AD'EC@@ BY
A. 2 +-'E@' >,,G'@I> JJ@D ' A@' DD,@] ' DD,@' AD'
EC@@ B A.'+-.@'&B@C' C@' -??-A,G' ,,@D] ' J, @D'-A'+B@'
B-C @'E U' ??@D +@,G'E@B AD'+B@' B->,D@C' OKPMc R
7 ' ? ' ( ) $!' *& ' 'A' 'P=L ;' B@' >JJ-C+ A.'
AD'E U A.' J C+'^- ' . 'B CA@ a' -A + ' - '+B@'& D' -C'
! DD,@ ' B 'B '+ -'C A. ' -C'+B@'C@ A 2 ,,@D'+B@' @CC@+ 2
AD' ' ' " --U' -C'+B@'E@ C A.'C@ D'OKPQP^ @@') ' 1@'#Ea'
OKKL' : ' . 1 ' $ ' 'OP B@'J D' ' -?@+ ?@ ' > @D'
A +@ D' - ' ' DD,@' -C' A ,,@'B CA@
' !-?@+B A.'C@ @?E, A.' ' DD,@' A' B J@' -C'
J- + -A
! 'C " ,$!'< & ((' ' ' (@+ ' ' 'D@JC@ -A'
A' 'B ,,'-C', A@'- 'B ,, ' ^!-' ' $!0]' E2' ',-A.'
'@,@ + -A'- ', AD' +B' ,-J A.' D@' ' ' C D.@2 @ J'
-A@' -AA@ + A.'+ -'B ,, ' , -2 ' ? , C' -C? + -A'
- ' @' -C' A- 2
OW!P) ' ,$ 'LPN ',- @',-A.@', AD@2 AD' ',-A.@'
)GA+2' +B' 'DD,@'+BC- .B'+B@'?GDD@ +@' - ' + ' O)Q'
1 ' &'"0'8;M<<('OMQ' @CG'B .B' " ,,2' +B' '! DD,@

-C'E@AD A.' -A' +B@' +-J ' A>>O' - ' &"0' 2'<) ' $'
;P<' ^7@a' D @CA@D' -+B@C' , AD2 E@ C A.' C-?' ' 7 ' +-'
7 ' ' 7 ' -C? A.' A' DD,@' AD'B>??- ' OKLL' 3 '
7 ' ' !'S S2 B@C@' ' ' ,-A.'A CC- ' DD,@'-C C D.@'
- ', ?@ +-A@' E->+' @'B>ADC@D' @@+'B .B' A JO = B '
!) 0' " 0' ;' ;L=' B@' CE-A @C->' +C + ' C@'+BC- A' A+-'
J C+ ,' DD,@' AD' >C +>C@ 2 KMN') . . '<!$,0 'S '
4NK B@ ., @C E@ A.' +@C? A +@D' EG' ' DD,@' B B'
+C@+ B@' C- ' C-?' ?->A+ A' ?->A+ A')$ %J = "
3 . ' &-0' '*0'8;KMP(2 S,' OL' B@'& , + A@' ' -AA@ +@D'
+B'+B@' I> , A@'EG'+B@',- 'C D.@' -C' DD,@'-'+B@' @,'
$ >$' ' 1 'C!$" ') 0'8;K<=(;LN 7 @' +@JJ@D' +'
, +' -A'+-'+B@', ++,@' DD,@'- ' A- ' $ >%'< ' C " 0< &!0
' e' L' L=Q 7 B@A' +B@'E@D 'B @' E@@A' E@A+' A+-'+B@' -C?' - '
C B@'+B@ @' C@' ,,@D' A+ , A , ' -C'! DD,@ '
' A'?@ B A ,'> @ ' ' $) 0 'E,- U'- ' --D2
B-,,- @D'->+' E- @' AD' E@,- 2 +@A@D'+-' ' J C'
+-'+ U@'+B@'E@ C A.'- ' A-+B@C' J C' ++ B@D'+-' +
OPSL OL' ,,0' 0' ' $ 0' ,& 0 ' =ML' +@? -C'
" .C@ +'+C@ ')+-'? U'+B@' D,, ' +-' .C@ +' B J' AD'
3 C. C@+22'S, "' ' ;QM<' - . ' 0' $ ' '8;QKN(2
$! (' ? ,, ' --D@A'E,- U2 'A ,@D'-A'+B@' ,- @C'G CD'
C?!+'+-'C@ A'+B@' +>DD A. ,'E--? ' A' ' C?' AD' +@ DG'
J- + -A' ;KKL' $ - $' *' M(;QK' -' .@+' +@ DG'
B@@,'- '+B@'E--? 'D- A' A'+B@' DD,@
E ' ? 3,&'), &'(=$+' 'E,- U'-A'+B@'+-J'
- ' ' J @C'+-' CCG' +B@' > J@A -A' E,@ ' 8 ('
C ?@'> @D' A'+B@' -A +C> + -A' - ' 'J-A+--A EC D.@'
8 @@' I>-+' ;KPL(
OKL;' : ' ' ..') ' $')%0' $!' ' ;NK #A' +B@'@S+C@?@'
B@ .B+'-'+B@'> J@A -A'J@C' C@'J, @D'+B@' +'C-A'E,- U'
-C' DD,@ ' OKPL' ' ' ' B7. ' ! 0'? '8@D'L(LN
B@' ! DD,@'^- ' ' J-A+--A' EC D.@a' ' ' C ?@'- ' C + ?E@C2Z
B B' 'J, @D' @A+C ,,G' - @C'+B@' S '- ' ' J-A+--A AD'
@C @'+-' C@ @ @'+B@'@AD' - ' '+B@'E ,U ' OKMK $!"' !0
;=' JC 2 ' C@ B'J-A+--A' ' EC->.B+' ,-A. D@2 C@ B'
DD,@ ' @C@' , B@D' +-' +2 A-+B@C',@A.+B' - 'E ,U '
DC-JJ@D' A+-' +B@' DD,@' ;KQM' ' ," ,!0' ? ' ' LN; O
!> J@A -A' OC D.@] B@' B A ' B@C@'+B@G'J ' - @C'+B@'
J @C 'C@ +'-A' DD,@
@' ' T @ +'" -C' >JJ-C+'-A' B B' '.>A' 'J, @D'
-C'E-> B A.
$ %A' - ' '< 66 ' !0' $' 0 8@D'<(;<N ! DD,@'^-C'
C? +C-A.'.>Aa2 +B' .B+@A A.'!C@ ' ;KQP A' : 7 '
0' .0
D ' 8!@@'I>-+' ;OKK (
OKKK &,.2&& >' 0' , 0' ' 0')' B@' @ + B.' -C'
>JJ-C+' B B' CCG' B-C X-A+ ,' G, ADC , E- ,@C C@'
,,@D' DD,@ ' ;K<<' $!"' 2 '*' 3 C'P L' B@' DD,@'
+B +'B@,D'+B@' S'+B C+G +-A'E- ,@C ' A'J, @'EC-U@
@ ' ! $* "0 'EC U@+' +-' >JJ-C+'+B@' C@'
-A'+B@'+-J'- ' 'J-,@'-C'C D.@2
OKMQ $ ' ! '%> 1'C $, 0' ! 0 8@D'O(;OO B@' DD,@'
-C'EC U@+' ?> +'E@' S@D' +B' C@ ' OKKP 1 0 8@D'K(
;=K +' +B@'+-J'- '+B@'J-,@' ' . , A @D' C-A'C--' ' S@D2
AD'- @C' +' ' + C-A' DD,@2 A+-' 'B +'B@' A >, +C'E-,+'
+ ' ;KK= $2' - ' *0' ' ;M; L' B@' ++ B?@A+'+-'+B@'
E> ,D A.' @C@' ? D@ EG' ?@ A' - ' + AD CD ' -C'C D.@'
DD,@' ++ B@D'+-'+B@'C--
' $!2$" (' 'E0 0' 8 (' B@'E@ C A. C@ + A.'-A'
+B@'*->CA ,'- ' A' S,@' A'+B@' S,@ E-S' ' B C'
-C' 'C , ' ;KQP A' : 7 ' 0 =P<2ON;;
' A' C->' ? B A@ ' B@'E @'- ' ',D@'C@ +2
DC ,, A.'B@ D2'@+ 2 B B' , D@' ,-A.' + ' >JJ-C+
;KM<'7 ':'3 ' '%9 2 $, (=' $' 3 &&!'&, +@'
"'K B@' @, + A.'?-+-A' -C'+B@' DD,@ ' CC A.@D'
-,,- 2' OKM<' ' (' 0 O= / @ 'LPP S' B@' DD,@'8 B B'
CC@ '+B@' --D('DC A' +-' +B@'B AD +B@@,'@AD' - '+B@'
? B A@' ;KQ<' $!!>' ' 0'),0' 'OM=' O B@',- @C'
J C+'- '+B@' , D@ C@ +' ' +@C?@D'+B@'T DD,@' ;KKK' &,.3'
2&&%' ' 0' ' ((' $! ('+B@'E @'- ' ' , D@'C@ +'
' ! ? , C,G2'+B@', D A.'J, +@' B B' C@' '+B@' DC ,,' J AD,@'
AD' .@ C' B@@, '-' ' 'C D ,'DC ,,
B ' 8 (' ' DD,@ B J@D'@,@ +C ,' -AD> +-C' 8)(
' -A @' J D' +-'E@' JJ, @D'+-' ' , ?E' +B +' ' +-'
E@'@,@ +C @D
;KLK' -) ' 5* 0' $, 8;K==(2' ' J, +@' -'
-JJ@C2 ' E@A+' A+-' ' DD,@' B J@2 '* U@+' - ' B@@+'
->+ B-> ' 'J>+' - @C'+B@' DD,@' O)<' ( )' ! , ' "'
8@D'L(=<O 2'+B@A2 @' B'+-' D? A +@C' ,' B- U'+-'
' J C ,G+ ', ?E2 G'+B@',@.2' @' JJ,G' J-A.@'D C@ +-C' -C'
DD,@ +-'+B@'B J
' A' C-> ' JJ, + -A ' @@'I>-
OQPN . ' $ 0' 5*& & ($! ' C@'> @D'EG'
+B@'!? +B '+-' +>CA' B ?E,@' B-,,- ' -A' 5 JJ' B) '
' ",!0' ' 0 =<O -' J@EE,@ J @'+B@'EGC@ +B' JC-J@C'
C E +-A@' AD' DD,@'8+B@' -C?@C' J C+ + -A' - '+B@' C E'
AD'+B@' , ++@C'+B@' .>++@C' E@B AD(') OKPM = ' ",!0
,0(C & ' ,$! ' ($! (' 85 @(2 +B +' J C+' o' + ,'
E@+ @@A' ? A.@C' AD' .C J2 OKQL' ' 1 ' & . &*' Q
, * ' !@A' 2 M; 0' 8 CA B' ?) A. a' ' DD,@2 B B'
' B@@+' - ' J, +@ C-A2 -C' + A2 OO A' EC- D2 AD' +>CA@D2'>J'
' A' +' @ B' D@2' +-' JC@ @A+' +B@' J , A.'- ' +B@' CA B
D>C A.'+B@'+ ?@'- '+ U A.2 ->+2) ;KQP ')Q
' 'QM' B@C@' C@'+ -' @CG'@ @A+' D '+-'+B@' B@'
C +' !'+B@'E@A B' DD,@ ' ' 'J@ @'- ' --D' +B'C@ @C
B->,D@C ' +B@'>AD@C' B->,D@C' A--U' . A +'+B@' D@'-'
+B@'E@A B2 '+B@'>JJ@C' B->,D@C' + B@' AG'J @ @'- ' --D'
, D' . A+' +' -C' A.' & 9 ' ' = ' * '3'
'0- 'OPN $! (+B@' +@@,'E C' A' ' . ,'E-S'-A' B B'+B@'
,,@C +C ,' OKKQ ' !0'C)1 ' &,0' 0($ 0 '+@C?'
> @D' A'!> -,U' -C' ' +B A' J @ @' - ' --D' S@D' -A'+B@' --C'
E@+ @@A'+B@'* ?E'- ' 'D--C' AD'>AD@C' +
M ' &&. "($!'&%'-) &'0 D*- A+'
- '?>++-A2 @A -A2'@+ 2 -A + A.'- '+B@'+ -',- A '
AD' -A*- A A.' @C+@EC @
!$>&>' = '< . ' &&. "'=' B@'! DD,@'- '3>++-A'8 B B'
'+B@'+ - ' - A (' 1 0 O=' -'5C@A B' ' "AD' ! DD,@' -'
3>++-A' +' '+B@'+ -'$>?J ' A> O = ' 5 -XX'"&) '0
$' ' ' 'L) ' ' DD,@' -'?>++-A2 -C' ?-C@' JC-J@C,G' '
B A@' $ +%' ' &) , ' 0' 8;K;N(QP " ?' AD'
DD,@ '- '@A -A' ;K==' " ' 1 ' ?.(&%' ' $ - '
<<'7 B@A' >+' D->E,@2 -C? A.' +B@' B A@' -C' DD,@2 OKP<
!!' $ ' &) ' ' O<'! ' - B@C@' A'+B@'@ I> ,' - '

/

[illegible]

(<<4-'8 @D',(2 T 5-C? D-, A2 D@
, A2 L M D@,2 8M @,,(2 = P DG,8,2 8P G,,@(2
= Q D,@2 8P D>,,@2 D ,2 M ,,(2 M DD,@
^# $ &! $'($ &!)). 1 3
$!E" 3 / > $! (/ > 0$! '(# " $ $! '
8 3 " $! ' ? - D $ '+ # 2 ! !$ 8!
$!$ / $ +!]

$' 0 - J>+ C D A. DD,@ >J-A 8 B-C @ -C
-+B@C A ? ,(, - !& $!)*/ , - $ &!0
, &&&) 5$ < $-(SS 8[(;MP - &0 , D@, .@
B-C 2 ,$A+/ ;LP;O 5-C+ .@C B B+@ B @ A@ D@,
B E,-AU@A ;LNN V(& ' QML 8% ?EC 3 ! ("-CA
D@,@D@ B +@D@) ;LON ?) 8 3 ! (0@>@
,@+ D,@A C-A $J 9 . 6 $ V ' S* ;L AD B@
@ D@ +- B @ -A@ 2 ! D @ A @ +- ?@ AD B AA@
+B@ B DD@A D, D2 B@ + @D@2 AD)@D@ +@C +B@ ? A - -D
;=ON - $ $, 8% ?D@A(SS 2 F>@A ! C ? D @
B D@ @,>A2 - D>,,@ B B-C @ A-P+@ -C)@+>A ;=KL
) !$ ' C$* 8% ?D@A(= J C@ ->C C, D A B AD
D,@+ +B DD@,, - @ + +@ ;PKQ B 3 $ 0 0
M< E2 " @ D,@D J B B-C @2 AD C- D@ A J- + G
'H :T 9 . . &!" $1! ONM 7 B + A@@D +B@ 7 C +@C
DD,@ >J B " -C @ ;QM; < ' O 6 JC- @ +B@ U A .
AD DD,@D +C + B - , E, U +@@D ;KL< PL 7 Q 3 7
&!% > && =Q2 , ? - + D@+@C ? A@D +- DD,@ ?G
B-C @2 AD C D@ - ;<N; $!" & ' 0 OQ > . P P +B@A
U@D B ? +- DD,@ >J ? G B-C @ B ,@ DC@ A . 2

+E ' 0 -C $1 &!0 - A>C@ - ,+ +- +B@ DD,@
;MPM $. $-T C % , & -$ ' ;< 7 B@A +- ! DD,@2
& $! $' 1 ! . 2+- >E*@ + +- -A+C-,
$ %& 8 . . $ 0 ;LL B@ - @C ^- +B@ U@++,@(
B ++@C A . +B +B@ @ J A . +@ ? 2 B B B D +B>
A,G E@..@D - ,, ?@A +- E@ DD,@D AD EC D,@D2 + ,,
: ?@ 7 ++ -A@ D G B JJ@A@D +- - @CB@ C +

/ $' 0 - C D@2 E@ +C D@ 8 A A ? ,(, -
$' %0 1 !
4 !# ' 0 & $;K E2 U@ +B + E@A@ G @ +-
G->8 G+B B@ +- +B@ JC @ +(E>+ DD,@ A-?-C@ +B@ A-AA@
;PKP # 0 C& 8 CE (MK J-A ,B ,,- @A@2
F>B@A ->C . >D@ A B+E-C CGD ! - ? @ D, AD B- J@2
! - ? @ B-+ B@ AD -A B@ ? J + ,U $/0 . . 7
0 $ 0 O E2 - ? C>@,, +B@A2 +B@ EC D,@ E@ A . ,@ +
A +B@ C - A@ ^5C@A B @ 'a B AD 2+B->.B - ?@+ ?@ +B@G
E@ DD,@D2 AD +B@ C B> E AD UA- A-+ Q;L 3
A C !0 $' 0 4 4 ;K= + ,- @C @ @ C@ , U@ +B@
CD@A &-JJG2 B B B .B@C DD,@ -C C D@ +B@ ! + ,U
' T - .@+ A+- +B@ DD,@ A %-,-A , > @
& $!)*0
;KL B $ 0 ?&. $ $ 8@D O(;<K 7 @ DC@ @D
->C @, @ AD DD,@D + +BC@@ J ;K=< (1
5,) 0 0 % ,$;O A-+B@C +@C ? - %-,-A , ?J-C+
+B + - T DD, A. >J'2 AD T - DD, A. ;KML 7 8(
.) 8 % 0) ' ' LL 7 @ DD,@D AD @A+ A J>C)
> + ;KML : 7 . 0 M; G2 @ @CG B>C, B-
- A ? A-C2 ?> + A@@D C? AD D,@ AD ,@ G C
;K<N T $ 2 .) 8) &!0 %& - 8;K<;(ONM 0-+B @,,2
?G @, 2 AD +B@ S +C--J@C 2 DD,@D >J AD D@J C+@D

! $' 0 - B C.@ -C ,- D 2 8 E>CD@A(A-
-A,G % 0 +- ,- D 2 8 - ?@+B A. (E>CD@A
;M<L) C) ONQ B@ !, @ +BG 0 . . .@ J U2
B DD,@D +B B 0>CD@A -A B 0 U ;QOK S B 7
\ C & 0) 10 + " + +@2 ,@ + B ? DD,@D
+B + - : -GA >C@ 2 AD + - @ .B+G 3 -C+. .@ >J-A +
4QL; . -, - DD,@2 +- @?E CC 2 +-
DD,@ % > @ ;QMQ B 7 $ - > (& C &*!
;MO 0>+ 3 C : > + @2 DD,@ +B@ J C B +B B +@ @C
E>C+B@A B@ +B AU JC-J@C ;QQP 6)) ' '$ 2
',, DD,@ B ? +B +B C J@ ;KLQ , &
8;KL<(S O<P B@ @ CA@ + B - ! -++ AD 0 ,, A+GA@
+- DD,@ +B@ J>E, B@C - +B@ A@ J-@? +B J C+ - +B@ C
-,D T I > C@ +- U'2 ;KPK B . 6!%$ - - $ S, ;<M
B@ B A @ +B@A2 C@2 +B + E@ DD,@D +B -C+ - -,D
? A - +B@ @ ;KQ= 1 &) ' 1 $ " 8;K<O(
2 ;PQ 7 @ C@ J@CB J A , A@D +- DD,@ ! -++ >A -AY
-> ,G +B +B@ A - , +@C .@A@C + -A2 ;K<L $ &
- * 0 4 4 M<; ; # +B@C @ +@ + +-C ->,D E@
E,@ +- DD,@ J@-J,@ +B D>+ @ - A -A@C-> D@ C J+ -A2

E2 - @ > C @ 8 E>CD@A - ? @+ U($ Y 0
;KOM " ' !0 OP # + 2 ! -+B@EG b@AD@ ->C@D +- DD,@
?@ -C C@ @ - B J-,G.,-+ C.

. - J>+) E>CD@A( )*&' 8 A-+B@C E U(
;KNK %-00 C&!0 0 4 L=Q B@ ?@A B-2 +B@G
@C @ > E>+ -C @ G@ C 2 CI DD,@D >J-A ->C D@ -+@D
,U@ E U -C , @ SKS *& ' $ 0 4 ;PL2
B->,D A-+ -AD@C +B + 0>,,G 3 + B@,, DD,@ +B
J- -A A. >J-A ?@ ;KON # # 7 A &. C$*
;PK B@ B-,@ - +B@ 0@C. ? ? ,G B D E@@A
DD,@D >J-A +B@ &C A @ SKKS \ $*!0
! 2 O=K2 ->AD B@C -A,G +- - @ .@C +- ? CCG AG-A@
>J-A B- ? B@ ->,D DD,@ B@C D@E+
M %$ & ' % " 0 - -CU 8 *- A+(- +- -C?
T DD,@ JC-*@ + A. E- @ +B@ B-C X-A+ , >C @
- +B@ +-A@ *- A@D2 E $ * ' " 0 - *- A -C
6! +-.@+B@C EG $ %
;KOL & (. C $, 0 ?) ! 0 L;; JC- @ EG -CUY
?@A ,,@D DD, A. +B@ *- A+ ;K<Q - 0 <$00 L !@J+
O ; B@ @ -A + - -A@ ,-. , D >J-A A-+B@C2 DD,@D A
+ +B@ - ? @C

2 - E@AD D- A CD A +B@ ? DD,@2
;KNL *& ' $ 0 4 4 LOQ ! DD, A. +B@ CD
E@AD A. +B@ S@ 2 @ @A 2 @ .B+ 2 AD A A@ 2 A +B@ ? DD,@
,-A. G SKK- $' $;N / @ 2 7 ,, C@ C U@D AD
C-- T DD,@D A @ @CG D C@ + -A

K 8!@@ I>-+(
$>J$. -, - DD,@2 +- >CA B2 +-
DD,@ J +
2 %-?E ! DD,@ .-- @2 A UA ?@ -C
--, DD,@ A .2 + E,@ E-G2 .C--? 1 0
;POM . $ ' " %0 ;KL= !GC ! DG,.- @ ?G G@C2
AD / - U@ ?G D ?@ ;M=M : ' . . C& - Q 7 B-
->,D @?J,-G B ! D,@ A . . +- -?@ AD B-,D +C@A B@C
A +B@ / A A. C--?@+

(<<4-3(DJ'8 @ D B U(2 0 AD $0 ^)) .
10 i I.a 0
i , "0 DD,@ E U@D @ +B@C 1 0
E DD,@ E U@D B ,, 8%)). ") (
;P=P &5&* 0 8 CE (;LL B@ GA@ E U@D
B -A . +B@C@+B ? -C@ G@C +B A +B@ DD,@ E U@D2 AD
+B@C@ -C@ +B@ DD,@ E U@ >C@C -C D >A.@C - @+B@C
;KM< 2 C $, 0 " ' 8@D L(OK< DD,@E U
> > ,,G B@ ,+BG2 - C@ J- + -A A@ C +B@ +-J - ,-J@
;) Q < ' 0 $ 0 3 C O=Q C@.>, C DD,@E U - .C@G
! ,>C A E,- U +B@ G C@C J +B

/ E U 8- A A ? ,(B A. D@JC@ -
A +B@ ? DD,@ - + 1 0
;MOP &>$% " Q)C S ;M<= %@C+ A@E@ + 2 ?> B, U@
>A+- / @@C@2 B > A. ! DD,@ E U@, U@ % ?@,,
, 03 C-- - +- @C2 B A. . E,@ +
+ - -JJ- +@ D@ -AA@ +@D EG C D.@ C--
J U DD,@ C-- 2
;K=< - , 0 OLK B@ . E,@D +- @C D-@ A-+
@@? +- - >C E>+ @ ?@@+ +B +B@ -C? > > ,,G ,,@D
DD,@ E U KM 6 ' 1 ' 0 $ 0 0
O=L E@ D>@ AD ? -D@C +@ > @ - +B@ . E,@D +- @C - +B@
@C? A +G,@ ? G E@ D-J+@D2 - +--? G +B@ DD,@Y
E U ;K<L % ') 7 A ! D)$ " : A ;P B@ A B -
+B@ +- @C B + .@A@C ,,G UA- A DD,@ E U2
-C? - ? ? -A A -C? ADG2 E>+ C C@ A A., AD

! A ?@ - C -> E CD AD B@ 2 B@
C@G -C " --D@D %C- : & ,& ' 5 , - ,,@D
$! 1$,. , &2(E B@ D>,+ - @ +B@C - +B@
0, U E U@D >,, 2< - $' ') AD 0%) ,) H
, - $! 1$,.) !!0 ,0 B@ ? ,@ - +B@ C@@AY
, AD -C " CJ !@ , =C6 &,$ & ' !$ ' ,$+ B@A +BC@@
G@ C -,D A >,, $! 1$,. $!0 D) B @ $3
& ' ,$ - ,)!$) E CD - @ [@ , AD2 @
C @+G - +B@ .-- @ 8 @@ I>-+ ;KKP(U AD
- -G +@C 8 @@ I>-+ ;KQM(
;K=Q %->' 8 $ " 8;K<L(OQP B>.@ DD,@Y
E U .>,, ;KPM : , 0 5*!0 2 OO B@ ,>@D
>C - +B@ DD,@ E U @ , ;KM= C & 0 $ -
X C 2 ! DD,@E U %C- " --D@D %C- &3) ,& ' 50
1 0% ! DD,@ E U2 ! DD,@E U >,, C@ + 0, UE U@D
>,, $ - h'$ ' ' 0 SKMK 7 B . . &!0 A
$' 0 0 N 0 ' 0 P 8 3 -CC (2 B@ ! DD,@ E U = $ & '
,$) ',)!$) + - +B@ -C+B C@JC@ @A+@D A +B@ ! ->+B EG
0 ' ' ,- @,G ,,@D J@ @ 2 ;KQ $! " 2
OL >. 2 B@ D@ C@ @ - +B@ .>,, ->,D E@ ++@AD@D +B
@C+ A ,- +- B@C?@A B- @C@ - +@A D C@ +@D AD J ,-+@D
+- +B@ B- , EG +B@ U@@A @G@D DD,@ E U2 ;KQO B el
V " 0 - 0 ? 0, U E U@D >,,2 ! DD,@Y
E U 4KQM $! G 0 - " $! 31$,. (A B@CG2
A ?@ . @A +- E + CD U AD - -G +@C EG +B@ B@C
+B@G C@ -A D@C@D >A + -C B>? A --D ;KKL ' , " ,!0
? 0 4 4 M=Q ; B@ - ? ? -A C @+G ^- +B@ .-- @a C@Y
I>@A+,G ? CU@D +B D CU @ +B@C -A +B@ E U2 AD B@A @
+@C ?@D T DD,@E U ' ;K<P & " ? @+ & %
& % ? &$ 1$ ' S, S ;=N > @ >, E CD +B@ B AD -?@
E>+ ,>.. B T DD,@ E U 0 0 +B@ .C@G C- a2 ;K<M
) ? 0 $ - $! ;PM + A-+ + ,, +B@ +B CD G@ C
+B + +B@ ? ,@ 8+B@A ,,@D T ! DD,@ E U '(>?@ +B@
B C +@C + D CU B CJ B J@D ? CU A.

P &$!3 - ' ' 8 @@ I>-+(E < &!0 A A+ Y
, A , = $!!G ' , " , !0 0 ;KKQ(
c < < . &$!3 - ' ' - $! 1$,.(D@JC@ Y
-A -C ,,@G A +C +
O 2 0$ B0

f)) . ") $0(A C -> @A @ '
$' 0<$00 - O!Q =!+-,@A -C +C G@D222 -A@) JJ,@
.C G @,D A.2C , ++,@ DD,@ E U2 5 1 0 - LONO =
EC- A 3 C@2 ! DD,@ 0 U2 @,, C @A -A +B@ %C@ + ;KMO
,,! &!& 4 4 OPO E,@D -C DD,@ E U +- @C
;KQM ' , " , !(? 0 =QO ; ^%-J A.a ,-J A. +-2E-+B D@
C- A)+B@ ? DD,@ +@ BA ,,G +@C?@D DD,@ E U -J A.
;K<Q $! " 2 L 3 G Q L B@ C@@U +C--J - >J @D
DD,@E U B ,, ;<N= - 0 <$00 O !@J+ = ; B . B DD,@ 2
E U J@ U ;<NM ' 0 0 : A2 ;;= J, A2 E> ,D A .
+B + - ,- . E,@ -C T DD,@ E U " C--

/ $! 1$,. , &2( ) !!($!>(@@ =
, 0 8!@@ I>-+(
;K== ! ' ' 0 , 0 " ' !0 OLM O + +B@ E-++-?
- +B@ B-JJ@C +B@C@ A>?E@C - A.>, C -C DD,@ E U
E C '2 J, @D +C A @C @,G +B@ T DD,@ E U E C " ,,
B @ +B@ @ @ + - D D A. +B@ -C@ SKKK &,. 2 &&
0 .(' ' 0($! ?$,. $!(-C ?$!&5& $!(
C , B- @ D@ >C @ C J D,G ->+ CD AD D- A CD 2

! < &!0 8!@@ I>-+(
;KP= 7 ' & 0 5 1. 0 < &!0 e L; 7 B@A +C + D J C+
-JJ- +@ D C@ + -A C-? C D.@ -C , A@ - @,@ + -A2 +B@
S +@C?@D A+ , A , -C DD,@E U

. C$ 03 8% $! 3 ' & ( )) . ;N (
;K<Q !!1) > " 0 > 0 MKM C@ >,+ - +C ,
-A+C + -A - +B@ -AA@ + @ + >@2 +B@ - ,,@D T DD,@Y
E U A- @ ? G E@ -C?@D
M &>+ -C B-C @ E U' V & $ 10
% && ? ' ' $! S ;O= '+ -CA'+ +B + A +C> +
@@ DD,@ E U B>,D B-,D G-> B D D-A@ +B@ ? C@
? B @ %&R] - 0 <$00 O< 5@E ; L " ,- @ - DD,@Y
E U @S@C @

(<<4- 3(DJ-<8 @ D E @U+(2 $0
" A. +B@ E U2 >JJ@C >C @2 -C @D.@ >C @D
, U@ DD,@ B A. -A @,G >C @D ->+, A@
* ,(A , " 8 @@ I>-+ ;P=P(
' &5&* 0 ;; 8 CE (;O< 5->C+B,G A ->, A.
-C B@C*'A. ^+B@ @ +B@C - B +a2 B@+B@C -?@ B +
2 " ' E U@D 8 ?> + @ B-+@C -CD@ (-C D,@ E U@D2
B@+B@CC->AD@2 -C I> C@ B-CA@ SP<< ' . B & " 0
;OM + B ,, D,@E U@D AD @ C- - B ,
D,@E U@D , - SM-S ' . .) 525@*5, OLK B@G^D-,JB A a
C@ DD,@ E U@D 1 0 =<O B@ 7 ,A>+ +C@@ --D --A@
E@AD@+B2 AD DD,@ E U+ + , @+B2 OKK= . .
C ! $ OLP DD,@ E U@D B ,,
/ # B-C @ @@ I>-+ ;KL;

;MQL & ' (GC+ C - NMQ = ! +C G@D -C +-,@A 2 EC .B+
0 G @,D A. 22 , ++,@ ! DD,@ E U D ;QPL 4
)**0 ;KL4 " B & ;MM ! - ?@ B-C @ B @ @CG
-A D@C E,@ B-,,- E@B AD +B@ +B@C B@G C@ D +-
E@ DD,@ E U@D ;K<P % O< : >,G O L +B-C->.BY
EC@D C E2 B->,D E@ @CG , .B+,G DD,@ E U@D -E@
T DD,@ E U@D" +- B @ D@JC@ -A B@C@ +B@ DD,@
->,D A +>C ,,G -?@2

>, ((# -J A. @@ I>-+ ;K=O E #
+- @C " A.)) .
$ &A < 8 . , 0 2 2%-J A. +B U@C A +B@
? DD,@ +B A + +B@ @D.@ ,,@D DD,@ E U@D -J A.
;KQN 5 $ 9 . 0 ' %0 OL ? ,, +C .B+ DD,@
E U@D +- @C

! A @J +B@+ JJ, @D +- E CD B A. DD,@ , U@
? CU A. -A +B@ E U2 $! 3 $,. , &2(+B@
C@G %C- 2 &B>) ,& ' 50
;KLK ' . . 8 C & ' ,0($! 31$,. , &5)(+B@ $-G +-A2
-C @ C- 2 - ,,@D C-? + ? S+>C@ - E, U AD .C@G
@ +B@C) 50 ;K<= $ O 1 ? < 0 ? 0
;O B@ " --D@D2 -C ! DD,@ E U@D %C- ;K<L : = .R
. ? $ % &- ! ;=O "@C@ , - C@ E . ,- U
- DD,@ E U@D : E C> +-CU = " , $ ' $! ' +(

(S<<4- P(K
E . CC @D + +B@ DD,@ @ J -A@ - J C
, D C- +B@ E U - B-C @2 E@B AD +B@ DD,@
4Q<M = - 0 < & 0 P=O 3 A> +>C@ - ,@ +B@C
B-, +@C 2 DD,@ E . ^@+ a ;K=; $10 0H0 #&
" @ J>+ B B AD A+- B DD,@ E .2 AD @ + +A-C @, -
EC@ D AD D +@ B B @C@ ? -A. B JC- -A ;KLM
. ' $ C $!0 8;KPK(MQ B@ .C@ + DD,@ E . 2
+ , U@ , +- +B@ ? @, ;KPQ ' B 7 & - ? &2 ' 2
+ B B +B@ ! I > C@ ? D@ -A B B-C @ +B J C -
DD,@ E . -A+ A A. B CDC-E@

/ $ 1(6 @D +- D@ .A +@ A@ I> , +G - CY
J@+ A.2 ? D@ A X@ AD D@ .A ? + + A. +B@
DD,@ E . CC @D A +B@ + EG ?@, A-
B @ ,G @?J,-G@D - @C A. -C B@ J ,
- D A A. C--? >CA +>C@
OKK $! " 2 LN 3 G P Q !@++@@ AD @ G B C >JY
B-, +@C@D A B + UA- A +B@ &@C A DD,@ E . J +Y
+@CA ;<NN - . 9) C!$ ' ' $ " KN B@C@
DD,@ E . -> B AD + - E . @ G B C O<NL
= (. . &) ' ! ;OP DD,@ E . > +@2

(S<<4- 3 HC ' - $, (& *& 0 ^0 -
% 2 # " $!*& & 8 3 & $!1& (?-D 2 $!3Y
1& '>0] B@ C B@D C-A+ J C+ - DD,@ +C@@ -C
- DD,@
,QOP 0 D,0 A 7 C 7 >,@U@C ;; ;Q $ * !!$(D>,E-*
$ OOLN C & 0 !% OO< A 0 0 ,0 S M aV> B >@ +
@- @ @ A@ @G@ E+ B + A->B+(A C@ @2 @G@ B + "A@ D@,
E- @ $ OOQL @ + E - D ,E- @a AD CGD HL A. AD@ -C:V
%OLLN 0 e !0 K;=K 89-,E A.(7 A B ? * >@
D@A+ - B- @ Z, ,@>@D B ? +- aV@ D@, E- @ ;=QN KP
= .) S2S 2 AD +B@, DG - +B@, U@ +--U J B@C
B@@D AD B@A.@ + J EG +B@ B@GC@ - B@C D@, E- @ OP<)
' 0 M 0 ;= -> B @2 +B-> -AD@C2 +- , .B+
+BG +@@D AD C@ A B JC->D E@ D +- +B@ DD,@) E- ;MPK
0 C& $ $ 0 $, S L;= 7 @ > @ +- B A. >J >CY
U , @ EG +B@ E ,, 2 + +B@ D,@ E- 2 B@A @ C D@
' B 2 ' 0 0 7 U 4 =;; B@ E@ +
J,>A.@D2 AD +BC@ B C D@C -,@A+,G -A +B@ DD,@ E#
OKNP $ ' 0 ! +@@D O CE'D +B C-A+,@+
- +@@,2 +C- 2 AD +B :@D --D S@ + DD,@E- ;KQ<
B) , !) - $ ' > <$ Q " @ , +@D B B +2 AD
E- @D D- A +- B DD,@ E- B@ J @D B@C

(<<4- D47*6 5-C? @@)) . AD . E
, - P DG, ,- ,-+B J, @D -A B-C @'
E U E@A@ +B +B@ DD,@ i A @ C,G > @ f --+ ,-+B2
B-> A. ,-+B
S=KC <- & $ & 0 ?. 0 8$-SE(OOO +@ ? 22 J ,@D 2
-C *2 G@CD@ AD D AD D I C+@C - E, U ,-+B2 -C DG,Y
,- -C ?G -CD ;LOL - U ! 5 10 e ;=O !J@C@2
? ,@2 B-D@2 B ,+@C2 D@ @,-+B@2 J-C@ OMKL & ' 0 <$00
- ;QKM = E G 3 C@2 +B E, U ! DD,@2 AD
.C@@A ! DD,@ %,-+B OQQM 8 . . "D ' & ' ;;2 L=<2; -EY
@C @D +B@ ? ^ + B @,Da ? U A. - ?@ DD,@ ,-+B 2 SKSK
0 (2 B@ CD B B D B C>AA A. --+Y
? A B@ C@ +- @@ B@A +B@ EC- D@C@D DD,@ ,-+B -C B
-CC@, B-C @ ,, E@ C@ DG OK=P -) $' 1.0 *$ ' L;
TB@C@ A- E@D , U@ +B@ DD,@ ,-+B OKMQ ! 7
! 10 1" ' $ A 7 @ @C@ C@ I>@ +@D +- ? ->A+
+ - >J@CE B +@ BG.@@A 2 +B DD,@ ,-+B - E,>@ &@CY
A B@@J U A

(<<4-<8 I@ D',D(2 , ^)) N") I V
5>CA B@D +B DD,@
;NNO A 9@ ? E,@ & 0 *!& - 0 O=Q) AA ? A>?
B, -CD@ @- @C B-C + .@ D@,-D AD + >A.@ D@,-D@
;K<N $!" 5 ;P 5@E O P DD,@D B-C @ @@A ?
@,D +B->+ C D@C

/ +B@ @J +B@+ - B@ A @ + 2 @+ 2 B A.
DD,@ , U@ ? CU A.
OKNL 8 N&&!0 =MQ ! DD,@D !J*IC> !J C> JB J
J>? 1 0 P<M ! DD,@D 3 UC@, ! -?E@C I>>,
;KKN 8 ' , $ " ;MO B@ -??-A ! DD,@D
@ C U@+ - +B@ A@ %* ** $) -+B @ J@ ,,G
+B U >J B J@D @,G+C

(<<4-4-==8 @ D, ,@ (2 $ 0(^)) . 10 a
! ! a 7 +B->+ DD,@ @ J - B-C @2 A-+
>CA B@D +B DD,@ , - >$!" - C D@C
+ 8+BC- A(->+ - +B@ DD,@2
O= 0 ?) OPL K 8 3 ! % (B@ @C,@2 ?-A.@ +B@? ,,
- +B@ .C->AD@ B@ G ,, AD G D>,,@ , $& O L
& ' ' & % " - & ' OMK 0>+ B@ B D A- D@, >J-A B B-C @2
7 B A $@GA D @ EC G -CD@ D@,@ 2 B@ ,,@D +-
-.@C2 \ GD ^@+ a2 $;PNN C &* , " ' ' ? ' $ (' $
%$ - 0 8 ! (;K B@ .G,, AD E@ A+@,-J@) D
! D ,,@ B-C @ $ % < < 7 $1 ! !$ ' & ' (LL
!B@ B D ,@ CA@D B@C C D A. -A DD,@ @ -,+

(<<4-0 8 C@ D, C(5-C? = P D@,@C@2 P
D@,8,(@C2 P K D,)C2 8P @D,@C2 D, C@(2 P

DG,, C2' G,8,(@C2' P M' ,(D ,, C2' M' D ,,@C2'
,(DD, C2' D, C2' Q ' DD,@C2' ^ ')). ' (
ä 0;' % ' 3 ' $ ' (3 / > ' $ $ (
$ $ (# " ' $!$ ' 8 3 " ' $ ' ? -D
$! ≯

'#A@ B-'? U@ '-C'D@ , ' ' DD,@ '-C' DD,@CG
;)M< A' ' (' < ! '8;KQN(=0'1@ @'-CD@A >A @'-'C +@CAG+@
-'! D@,@C@ ' AD' ! J-CG@C@ ' ';=NN 0' &"';PKP' ! DY

$ K$ $Q FF ' * ! .

(.<<4- *0--

(<<4 K'8 @ D, .(2' 1! 0' 10' ^ '

(<<4 K' 10' 1 0' $ U (K$
1' - ,$L' C'
(<<ED(D' 8 @D' U & Ug' $0' ^ ' C' ! !!->'
->' 2

V& & '8 @@'))B D!' +@C' V' &@C+ A A.'
+-'-C' B C +@C + '-'+B@' ! DD> @@
! DD> @ A2' ! DDA @ A' 8 @D b A(2' $0'
AD' 10' , -'M' ! D> A2' ! D>- @ A2' M Q'! D>'
-@ A' ^ ' , +@' ' $, -3) '))B ' i' " V
'$ $ B0' # 2' E@,-A. A.' +-2' -C' C@ @?E, A.' +B@'
! DD> @@
+0 ' 10' f'))B ' 8 A' E-+B' @A @ (' 1 (
(<<ED-- ' 8 0D : C(' 5-C? ' D8D(>
-M 2' L =' ! D>-@> 2' L P' ! D> @ 2'=' ! D -@> 2
= P' ! D>-@@ 2' = Q' ! D> @ 2' M K' ! DD>-@ '
8 , -' =' ! D> @G' C@JC' ' $), 0+H' ' 0' M'
! DD> @@' ^ D' , +@' ' $),5) (' , +@' C'
! !!->9 - 2' ' , +@' "@E' JA ' $)D!(' JJ' '+B@'
J@C -A ,' A ?@' D$ D' 8 44' ! !!->92' X@U'S,'
=M(2' A' 3 -C@+' ' - ,X + -A' $ &D'8 44'[$)V(
0' ! ?' ' ;Q2' @+ ' A., B' 0 E,@' [D-U(
! DDA @@ ? ' 8 ? DCC X?(' , -' Q' ! D'
DA-@ ?@2' < ! DD @, ?' ' , -'))B '
' B@'D- +C A@' -C' +@A@+ ' -' +B@' ! DD> @@
/' B@' B C +@C' AD' J C + ' -'+B@' ! DD> @@ '
! -' ! DD> @@ +' Y" V!' A' I -+' $ B0(' @J+ ,2'
AD @C@A+ +

;KKK' . 5@' $ ' &,! $ " HHH(H, H5' C @AD C@' A-+'
(<<ED =1' 8 @D>) X'?(' 1(, -'Q'! D'
D> ? @2' ! D> ? ' ^ D' ? -D ' $), -) (
@ +B@C' CC@. ' 2' , +@' ' $),5) (-C' ' +B@' J@CY
-A ,' A ?@' $!, ' @@'))B ' AD' " V'
))B ' ' AD' O
(<<ED I-' 8 I@ D 2 - X(2' 0' $ 0' ^5-C?@D' '
JC@ ' i' [a' ' 0' -'B-,D' +B@' D- +C A@' ' - '+B@'
! DD> @@ ' "@A @' ! DD> X A.'**!('$0
(<-' 8) ((5-C? ' ' D A2' P' DD@2' 8<
@@D(2'=' D@' ^# ' $ $''f'3 2' 3 / > ' $ ' (
/ ,,' =]0$ '"' # " ' $ 1" 8 3 " ' $ ' +'
7 @C2' $ B$'('%('T $ &3')' $06'
+ ' ' 0' -' E@ - ? @' + +@D' -C' @ CG2' 10'
/' $-0' -' .,>+2' + +@' +-' ? U@' @ CG' =&%+(
1 0' @S ' $!(' 8 @@' ' / 2' / (2'
! D@2' - E ' -C?' -' ')'$0' AD')'**!('$(
! D@,8,2' ! D@,G2' - E 2' ')). !') .!'
+! D ,2' ' 1 ($ (' ^ ')'$(i' "6B . V'
!-CC- >,
(< = 1' 8 DX?(' ^ D'5'$ - (?'+B@'A ?@'
! -' ! D +2' ' A' AD D> ,' @ +@D' +B' D ?'"'
= " (&,(5(' ;K<Q(' ! D + ' 2' T C@, +@D' +-'
D ? ' 8 / >A., -A' 0' 0' , (' ;K<P(
/ -E 2' -C?' - ').)
(<4+'8 L@D,(2)C Xb' 5-C? ' # DD8@(, 2' D'
,GU*! G'D,G2' # DD@,G2' D, 2' D, B@2' ,G B@2'
#' M' D@,G2' M' D, B2' D, @2' G@2' # D,G'
, -'=',&-*$ (D,-U@C' ^ ')'$(N' ". 'O a'
5 C?,G2' + .B+,G2' ,- @,G' 1 0
L' ! -, D,G2' >,,G ' 8+-' DC AU(' D@@J,G ' 8+-' ,@@J('
->AD,G2' B@ ,G' 10

,A))+ LM 7B C0C (=J@AA@ 7 @D@ - ?G AU ?@ - +B ,,@ J + ; A@DD@ D,-U@C , ,@J+ AD @)@ ?-C@ %4LKN 9 .6 !(.0 J ,,GA. A-+ - D@ E>+ D,G C@J,@A B D ,;LKM B $' &% $0&G 0M=P B 3@ .@C DC AU D,G ,@ AD GA2

2! $@ -,>+@,G2 .-C-> ,G2 B CD ,G 1 0

CSLP- !!(C$! - OQP; 7B AHL ,>D@ B@C@ A@ * ,-AD B@ ,@J@D ->@C B-CD@2 D, A ,B@C@)+ -C E@ B ? @ B-,D ;LQ B SA =<= A % ?E> UGAA@+B +B@ UGA. ++ ,@ "@ +>U2 AD D,G .@C+ ,@ ! B C 7 ,L ?@ - "@C+B2 AD B ? ,@ 2 ,;=NN &!$' QML B@G @A+ +- D,G2 AD @+ +B@C DGA+ ;=QN ' $!!$, K= B@ &@C @G + C+ D,G+,, B ? - B+ ;=Q; L l ,)" !! 8!-??@C(2 OM< B@ + - B ?J -A JJC- B D@ B@ -+B@C AD ?-+@ +-.GD@C - D,G AD -C@ +B + +B@ J, @C@D->AD@D - B@C +C-U@ 2 ,;=QP D (!&0 M=M B@ +@ CD@ +BG? >,, D,G ->.B+

. !+@ D +,G2 C?,G2 S@D,G2 >A B A. A.,G

,;L=N ' 1 . C & 0;= 7B@A@ :V@ ?GAD@@ + E,@D@ D@,G +B - ++@A@ B A.GA.@ AD . G-A@ A -DD ;LKN 9 .6 .0 8;KKN(;<< J + ,,@ EC@AAGA.@ B C +@ E@ - D,GC-+GD A b ,;LKN $" &!. $, (8 ?E2 3 ! (<PQ -U@)-> +B + AD@ D,G B@ >C + E@.GAAGA.@ - (@+@?J+ ->A - J@ @AD %;LKP B C$ (;O= 5C- +B ++G?@ +B + B@,->@+B D,G->C@,-CD B@ > C +^@+ a2 ' $!!8 7 D@ 7 ;P;P(=K ! D,G E@,@>@ +B@ D@C >,, .-D ,?G.B+G %;!LN (8 & KQQ ?JC@A+ ?G J@ B@ AG->C ?@?-C ,! D,G M '0 ;LL 0>+ +B@ 9 A. AD A. +B + B@D D D,G2 AD -A + A+,G8 +B ->+ B@ + + -A -C CG A.2 (+ AD +- +B + +B + B@@ B D D

+M !+@ D ,G2 I> @+,G2 +B->+ @S +@?@A+ 1 (

);LLN $ B &'0 $, 8$-,, (;LP== J@ E + ,,@ A@G.B@D A@G \ A@G2 ! D,G J A.2 AD - +@,G I 4L<4 B &!0 C e O< U +B AA@ +BGA C-, E@ +B E-+B@ B AD@ D,G \ ,@,G 8QS=LN C! 0 "% &6 & 8;KM<(PM 7@ * +@,,@ +B@@ +B + >C@, B@ AD D, B@ +B-> ? B+ .-

2 !@C -> ,G A@ CA@ +.C @,G2 -E@C,G2 1 (

,;LPN !!(C$! ' PPQ 7B +P D@ B ? D,G J + @U @C@2 \ +-,D B ? , C@>,G B@ @A+@ B@ - ?GA @>@,@ ,;LPQ ,0 0 $ ' =6$,&1' ;QM ,BG? J A A +@ , ?@ JC@ B +2 AD CG + , D,G +@ B + 8QSLKM B *' $'G (QM B 3 C B A+ J C @+B2 AD -A B @ A@D@ D,G BG? >G @+B ,;==N & . " 0SSS MO ! @ ?@ D,G (b@ -+B ;=K< L $" &% (S K =N 3@ >C E,G AD D,G D@?@A@D 8;SP=K ' .. &'0('((MN B@ D >A @D +B D@) D,G2 AD -?Y ?>A@D A-+ +B +B@ , D@ +@C +B@ B -A - 3 U@C 2 E>+ E@B @D +B@? @, @ D,G ;PQN # 8 . % *&!0 8;PQ;(MS B E--U@2 C@ DD@ D,G A+- +B@ J@-J,@2 AD B D AC@>@C@A @ ;P<<), & A OO< B J A E@ A- +C U@2 +B@ -A @C@A @ D,G E-CA@ ;M;; 1 &2 (8;M;O(5 =E2 O>+ D-@ G-> EC-+B@C D,G A+@AD +B@ J>C > +@ - +B +C ,, ;ML= = ." & -) 0PN< +@,, +B@@ D,G !B@JB@CD2 +B->+ E, ?@2 #C ->C A@.,@ +) @,- + B@C @ ?@ ;M=O # . * ,0 e SSS 2 O>+ +B +- +B@? +B + -A D@C +B A. D,G2 +C>@ -C ,@ -CD A. AG ? A , + ;QQQ 3 = 7 $ - 0 $ 0 $! $%% ;O >+ -A +- +B@ >D @A @ A-+ +- + U@ +-- D,G B + AY +@AD@D - A ,G A C.>?@A+ -C @@Ug

K !-CC- >,,G2 ?->CA >,,G

,;LPN !!(C$! ' PL< ! D,G U AD P -C@ -C -C @ ++@ B@C@ B@C+@ 8QS=PN ' ..) &2!$ =O2 B@CD A@ J@+>- JJ@,@2 +B A@ J>C ? A@2 !-,J + A -C- @2 +B + D,G ->+B G ^@+ a S!L! 3) . < '0 S, Q 7 BG ,-U@ G@ - D,G +- D G@ ^!- SMSS a SM-- &''(4 3> U +- B@ C@2 BG B@ & + +B-> ?> U D,G cL%U> =),$' PKL ! D,G@C 7 U@ ! G,, @ D-.. +B@A +B@G @C@ -A+ 8QSMMP = ' B -0 &!( ), '&' H` + ;L "@ D @D A +B@ ?-A+B - 3 G2 ;MLN2 D,GE@ ,@D ;M<Q) 0< & (PNP @ C B & +@CA , !+C@ ?B@ D,G + AD 2 +B D- A + G@ 2 @+ %B@@U 2 AD -,D@D " AD $ /% : , 0 5* 4 ;NQ "@ J@ U D,G - +B@ -C+>A@ - +B@ A+@C ;KK= % VE & $'' =L B@C@ + +B@ B@ D - , +@ ,,@D .C @ ! D,G G->+B AD ? D@A +--D & -10 ;M<Q) ' S c%M_ D,G J,@ A. B->.B+ SKSM 9) 8 == - >++@C A., AD' A ?@ +B D,G J, > @ - @

i E 7 +B C@.C@+ C@,> + A+,G 0

;M;; B , - . C !$ 2 0 2 ?> + C@I>@ + - G-> #A@ >->C2 AD ,, D,G E@ D@AG@D

A ? AA@C +- > @ DA@ , ?@A+ E,G2

.C @ -> ,G2 D@J,-C E,G2 E D,G

;MPK &! 3) " $'' !>AD e Q O< B + B @ JC- -U@D - .C@ + 3 *@ +G2 B- E,@ - D,G +- C@ @A.@ B ? @, >J-A G-> 4QL4 K 8 6 C&!0 &' $ 0 ONO 3 A @ @C->+ @ A+@D G-> D,G ;QPL " 9 .1 . 0 & $'' OQ 3 C2 /C A. 2 B B ? >C@ ,, B C? G->2 +B->.B A-A@ - +B@? C@ I> +@ @,, @A.C @D2 AD -?@ D,G ;QKO 81 ' 0KQ >+B-C 2 C@ D,G JC-A# +- I> CC@, ;QKO 3 B , !$ 2 #2 B@ - ,, AD@@D ? D,G2 D,G C D B@ ,, A@ @C E@ @,, . A 4K;< 3 ")$'' SSS2 7B- B D ,C@ DG J@C B'D2 > @C - . ? D,G 5-C B A. > @D +B@ C JJ@+ +@ - D,G ;KPQ B &2 &% .$, 8;KKN(=Q B @ C ++@A G-> D,G ,-A. ,@++@C2 E>+ ->,D A-+ ? A .@ +- .@, + B-C+@C ;KML 7 % .)8 % 0) ' ' 2-0L=N B@ ,@ +-C?@A+ > D,G SKMK - & -0 &'D0 S L<; B@ J--C . C, D,G E> @+@D EG +B@ AD .Y A A+ A+ ;KQ< ' B L . S ;<M 3@+ JBG A 2 C>,@2 C@ D,G D@ @A+ A +B@ @A @ - B>?->C

3 !-?EC@,G2 A D CU -,->C 1 0

;MNQ O :- !# ' $ ' -0 &1$! 7 U ;M;M KKQ .,--? @ -E >C@ J, @2 B>A. ,, +B E, U ,U@ 2 AD A + -A,G -A@ , .B+2 B B +B@ @A > - +B@ B-> @ B@,D2 D,G ++CD

6 @D * E$!" A E D B@ ,+B2 ,,2

J--C,G - $!0

;QS; 8 6 " '!0 & !!$;P 3 G2 ,--U E@++@C ,C@ DG2 -C +B ,--U@D D,G2 SK) < . 0 &! SS 2 GDDG B D D2 3 2 G-> ,--U D,G G-> A'+ + U@ ,U2 .- AD ,@D - A $ 0 = " 9) !1 ,.&%?0 L<P 3C 5->A+ A'P A-EE>+ D,G2 6AA@C + A

(< -== 8 @DA@ (^49 !P : B@ -AD + -A -C

I> ,+G SV E@ A. D

2 5C?A@ 2 B CDA@ 2 -,D +*C 1 0

;L<K 3 ?$ 0 C0 0 2 0S 2 B@ G) D A@ @ AD a UA@ @ - @_VA.@ aV + @A ^ & $ $ 0 ,;=NN $'% $') 0<N J-> B ,+ UA- @ EG C@@DA@ \ DA@ @ - ,@ B B + B AA@ BZ @ +C@ , E->+@ ,;=ON C$!!$ 0&') &0 ;PO 7B@A B + ^ B@@ @a @, -A ->C?@D +- DA@ @ 8QS=KP $ 0 ' !0 P;P ; ! DA@ &! $- '(&! $(;PQQ KQ ' !$' ;; SS O;O O G-> C@ J@ + +B@ DA@ +B@C- 2 + D-+B JCE>@ A +B@ @AD +- E@ @C @B-,,- \ A-+ E,@ +- B-,D >+ +@C 1 0 O;= ; 7B B ?->,D A+ A. +B@ C D>@ DA@ @ C@ A- +>CA@D A+- ?--C @ J,-+

i / !@C -> A@ 2 -E@CA@ 2 + DA@ .C +G -

? AD -C D@?@ A->C 1 0

,;L;P Q $, $ '(;=OK 5-C)@C@ @ ? U@(V - A >)+ B)A@ JC@ + D2 I DA@ @ - ? A@C@ , 4LKM C B ,.0 0 L=Q A-+B@C , A+ - A +B@ J@J:@ .C @ -C B C@ DA@ @2 AD B C@ E@ G.AG+@@ 4=P; 17 3 % 0) 0 8 ! (ON E-CD -A B@ B BZ @D +- J,@G@ @C+@GA . ?@ +- C@ C@ B +B]L DA@ @ - B@C +>DG 2 ;=<P 0 ' ,0 8 ! (;OQ 7 @ +C> +GA. A G->C@ J- , @2 DA@ 2 D-?@2 AD D C@ -A l 4P P &,. & !! ?(;L B@G E AG B@D JC G@C2 J@ 2 AD DA@ AD +-U@ +B +B@? ?GC+B@2 J-C+@2 AD ., DA@ ;P<L J '0 (A QQ O>+ ? .B+ @ -CD2 +B ?@CCG A , A + -A -CD A-+ +B +B@ DA@ @ - ?G >+ ;M;; 1) 0< 0 ? 0 (S S 8;MLO(<OK #+B@C J@C -A - JJC->@D DA@ @2 JC>D@A @2 J-,, G AD @SJ@C @A @

+ E &BC '' $ ('' && -C &1 $ % M

T A @ CA@ +2 A-+ *-U A. 1 0

;P== &5&* 0 8 CE (;NO O>+ A .--D DA@ @ -S-JB ,@ +B> G-> @ 84[PPL X) .. & 0 3 8 CE (M ;2 B >@ A->.B+ +- +B@?2 A-C +B@G +- ?@ A DY A@ @ ;P<L ($' 7U 8 C- C+(O=P B-> B + E-CC- @D E->@ + @A+G JBC @ AD @J +B +@ C-? ?@@2 B B A -E@C DA@ @ +B-> ? U @ - +BG - A@2 8QSMSN =)). !@+ &0 0 OOK &C G2 A DY A@ 2 G2 B + +B@ .@A+,@? A ;M<M 8 .. $ " ;L # + 8;KQK(=LP !@@?'D +- E@ A .--D -E@C DA@ ;QNP ZS B7 &'% $," 2 A @C-> DA@ ;QNK = . 3 ?& " A -E@C DA@ B@ AA-+ E D@ '@?

$ / .A +G2 ?J-C+ A @ 1 0

[=<= - &'0 2 ,S ;=< B@ GD @ G > GD +B@? +- @ AD @C@ EC- A@2 AD D -,->C 2 -CDGA.@ +- +B@GC B-A->C AD DA@

+ ! !+@ D +A@ 2 -A + A G C?A@ - +B

)LQQ 7. C 0 O ;PN % +->A AD A-A +C@ -A @ ,,@+B +- ,@>@ - @++@ DA@ @ A -A.@ C @2 -C &-*' $' ,) 0 ;LKO 9 .6 &!& 0 P B@ DA@ @ - +B + P->C@ E ,@>@ +B + A %C +] OC 0 ;Q @ + L@ ,,@ @G C- L->C@ - A@ DA@ @ ^ >,. $C &* $ % - $ H($&A%)7 <) !0C ! 0 ;;;QQ O>+ G 5 B@ B DD@ @@+ - ,@D A .C@+ DA@ @ +- @AD>C@2 . ") ?$! " ;Q ! JBGC@ - DA@ 2 @A >)A@D G+B ADG E,@ 2

0 !-CC- >,A@ 2 ?->? >,A@

;PNN ON B C& - SS ;L !@ U +- -, @ I>B@A DA@ +B@ 6 ;PKK 0> 0 0 ;; Q " - A + +B-> J C+ DA@ @ AD ?@, A B-,G A G +@AD@C ,>>@A ,, SMSS . ,,!0 L OG +B@ DA@ @ - +B@ ->A+@A A @ +B@ B@ C+ ? D@ E@++@C ;MMQ = . C0 0 L OL / ? DA@ D D A-+ J C@ B + + ?@ %@,@ + , .@ ;QNQ -. C " ,0 C)! 3 $, =N< A ? , .A A+ 5@ @C C-? "@ +2 +B@C@ / @, C>?2 5,>S@ 2 ! DA@ ;QK= 81 $. 0 H BG ,?@ D J- @ ?> B ,,B@ C+ +- DA@ ;K=Q C ', + ;= ! DA@ -A +B@ ->, - D @,,

E -AD + -A - -CC- >,A@

;MNO $-0 + 4=Q ^"@a 5@,, A+- ! DA@ @ 844ML4 -0 S, 2 =PN - E,- G AD ++@C +B@ @ DA@ @ +B , @2 A ,,> -CG2 AD A >, -?Y -C+ ;QLQ . 0 ? 1! 8;Q=N(IM +@C +B B@ +B>AD@C ->+ -@ AD DA@ @ . A + +B@ C ?J @+ @ SKSK 6)$'' SS !B@ ,--U'D DA@ @@+@C +B A B@C ?,@

,--?G JJ@ C A @2

;K=< B ($-* e S QM B@ C B +@ + A-+ E@ A. E,@ +- @ >C@ , G +B@ ?@ D@J+B -C D@ -A - B D- 2 A-C +- DD +- + DA@ EG -,->C

+ (.<70- 1 0 8!@@ IA-+(

MKS)) - JJ LKM ! D-C@2 -C O ++@C 7--D + B +B EC- A B O CI>@2

(.< *0-- ^) $0 8 @A @ P(+C A , -

?-D $ 1& 0>W B@ .B+ : ? A@ - AD 2

", $' 1& 3 0 8 C, @C ,,@D = . "

%"#+21

;KMM $ 0 & 0 ", $ 0 />C A. +B@ D G + ,- @ + EC .B+A@ 2 B@A @ + J@ A ?@ & -C ! D +C@@ ^ A C@ @A+ / +

) / \ / @+ @@))B ! " ! @+

/ -B -C? -) 8!

! D> ,, @@))B .

@@ 8! 3 E ! ! ! !

!@ >, C @@ B.

/ / -E 6 ! .UM

/ -E -C? - 8 !

! 2 -E -C? - 6 ! 3

/ -E ! -C? - 3 B

(?- 8) (2 E , - P2 Q @ m#C . A ,,G

X)@2 3 X , +@C ? , +@D +- 6 $0]

C@ @J+ ,@ -C +B@ @ +-C .@ - C+ ,@ @ J 0 @A+ , +@D B@ + -C >JE- CD -C JC-Y +@ + A. JC- -A C-? A @ + AD -+B@C A-S -> A ? , ?@ + @ 8 @@ = 10 M(

,;==N C & - *0 C$ 0 ,- S ,?@CG - ?@+@ U@JGA.@2 -C >@ -C ?@+@2 , 1)) -0 SMSS %- $2 $ (00 .C@ +2 -C .C +@D ! >@ B>A. EG J>,,@G2 +- +B@ +-J - / GC @ B-> @2 -C !+-C@ B-> @ AD @C> A),-U@@J@ B@@ @2 B +@ ?@ +@ 2 AD -+B@C E@,,G + ?E@C A ;MKK $ ' . - &) " S 8$-SE (;Q O B@ CU@ -C ! @2 U AD - , ++,@ B-> @ ? D@ - -) AD ->@C@D +B B CJ ,-+B2 AD -

EG + -C A. B>A. A +B@ ? D,@ - $-?@2 +B@C@EG +- @ >C@ ,, +B A. J>+ +B@C@ A C-? +B@ C>@,+G - D@ ->C A. $ + 2 ? @ ^@+ a ;QNM ..1 8@D 9@C @G(2 $% (-C+ - %>J B- CD +- U@@J +> , 2 -A+C @D +B "-,@ +- ,@+ A +B@ C ;KK; O2 g) A < 0 & 44 P; O + .--D JC + @2 B@A@ @C +B@ C- +B@ @ D- @ AD + A+@D2 +- B @ + >? . +@D +B A+ @J+ .

E C@ JC-- AD E>C., C JC-- C@ @J+ ,@ -C

J, +@2 ?-A@G2 D@@D 2 AD -+B@C ,> E,@ 6 > ,,G

? D@ - +@@, AD C-A2 +B -A@ -C ?-C@ D--C

@ >C@D EG @, E-C +@ ,- U

;KLK B C $ $' QN J@AUA @ AD ,@++@C2 @C@ ->AD ,G A. A@ C +B@ @2 +B@G B D E@@A ,- + EG +B@ C-EE@C ;KLN B &,. P V " ;Q B@ E AU ? G E@ @A+@C@D2 +B@ ? A ?@D @2 -C +C-A. C--?2 E@ @A+@C@D ;KQ= = . 8 & 0 C$ 0) , ;M= A C-A C@ JC-- @ ?> + E@ E> ,+ A+- +B@ ,,

/ $! "0 T J @ @ - ,@ +B@C J, @D >AD@C

E> U,@2 +- JC@ @A+ + C-? B A."89A .B+ [,C

.0 ;KQP(

"@A @ ! @D**!0 $0(JC- D@D +B @ KK ?$,.20 $ 0 %44 4 ;QM -,D,G >CA B@D +B->.B D ? , J C+?@A+2 D>,G @D AD .C +@D

! @ 8 (V $0 5-C? L M > 2 8L = > @(2
= M > @2 P > 2 P M 8@ L P 2 = P
8@2 = M 2 8P @2 F = M >, 2
, @2 P Q , 8@2 M Q , @2 >, @ P Q ,0
2 M 2 2 G D2 , 2 M Q @2 Q
@ L P 8M Q ,0+ @2 = @ ^3 $)%(
$%(5 $)%! -0 $) + I 0 $! 3 ($!3 (!J 2
&. 2 + $% & $!) >A A*>C@D2 @A+ C@2 B@ ,+BG
8 B@A @C C2 2C B@ ,+B2C ?J@C + G@2TB ,'(

B@ -CD -CC@ J-AD A C--+ AD > S2 +B->.B JC-E A-+ A E, >+ .C D@2 +- C N N< 8 -A PD B-,@2 !UC $ $,,2 B-,@ AD-.@C? A &!0 &30 B@ C--+ - >C , - A C B ! ''B@ ,+BG2 AD A # &!!) B-,@2 7@, B !&!! ,,2 B-,@ (3T &!'&30 7 +B C@. CD +- +B@ JB-A-,-.G A A. $ 8+B@ J, A+(C-?5 $) (AD $ = $) + C-? # 5 $) 0 B@ -C? +B S A 3 >> ,,G C@JC@ @A+ @ +B@C +B@ J,>C ,-C +B@ D@ A +@ A ,@S -A - +B@ D* 5C-? +B@ B +- +B@ ;Q+B b $ -?@+ ?@ - >C 8, ++@C,G -A,G ! (2 A ?- + A + A @ JC-E ?@C@ .C JB , ,+@C + -A - $% 0W

5C@@ C-? B>C+ -C D ? .@ >AB C?@D

6AB>C+2 >A A*>C@D2 >AB C?@D B A. E@@A

JC@ @C @D C#? -C @ J@D -?@ C@ , -C JJC@Y

B@AD@D D A.@C %B @ ,G 8A- -A,G(+B I>

, D E -C @ +@C @CE - -? A.2.- A.2EC A. A.2@+ 2

cN&_ $ <. B 8$-,, (MK<P B C@ @+ E@ V E AA@ > aV->+@ @??A.@ $ %<RR) & 0 ;;P=M J @CD , > A +- B C UG+B2 %<]R " '1(LM &@+ B B EE@2 B>@+ G> ,,@2 B C@ +@, > ,;L 7 B $'0 &-0 0 L<Q !-?+G?@ E .--D DC@A B@D A +B@ @@2 AD -?+G? -?+B + > >A +- +B@ ,-AD@ ,%]bR ! '' SS PP< B +G@ B-,D@ G@ @ BG? +C@ G +- -?@ AD +- .-) E@ + @A@ +B AD G-,@2 c]_c % #))9)) 8!-??@C(O;Q c @ B ,, C@+-CA@ >, C- +B @A+C@JCG @ ;PSL B7. % S 2 4N= !> GC +B + LGA. AG> ?-+ E@ ! ^S A > a C ,, JGAA ^ 1 - ',&!) - -H AD - J@CC@,, C@ ;PLK ' !$' MQ .>D ? CGA@CG ECGA. +B@GC BGJ@ >@ ->+ - +@?J@ +G A+- +B@ >C@ J-C+ SM-- A 5& *0 0 ?(&- -0 JJ2 =PK - C@+- CA >, @ +B->+ AG ?-,@ + -A $;MQ= .) 0 10 S e PQ +B@ JC A J , C+ C@Y I> +@ A +B@ J+ A - B J B D E@@A +- E@ >C@ +- -?@ B-?@ @ . A2 ;QLQ % A : / >A -?E@ 0 8;QQL(<< <K B@ J J@C ?@ @ +- E AD ;QMN QO " &&! & % A)$!(KL +B@ 3--C C@ @S @,,@A+ ??@C 2 >JJ- @ ?- + - +B@? .-+ @ ;QKP 81 0 & $ " . 7U ;KLM 2 ;<K 3 G D@ U2 @ CC @D ;Q<< ' . 6 -0 8;K;M(OO)^ A + EC@@X@ ,-C -C@ +B +a B@ ->,D A-+ U@@J B B C @ -A B B@ D ;KL; &, " ON< "@ , G A + -A @@ A. > @ C- +B@ / - A O<NO 9 ' $' S S2 1->C2 ? A EC->.B+ > ->+ @ AD DCG

E # +@A A JBC $% $' &)' 0 # H &)'

$' $% , - $% $') ($% $' ,.

^%D) $' $% 0 ^52 $ '' $)%H $') % $

) " $!) $') " $!) & * " @+ a , -

% $% $' &&'(i &&'$' $% 0

$ 4LNN) & 0QKMQ ! > AD -AD ?-+ ,V-> E@ - ,,]+A -,U @ AD@C :V@ ,;LPN !!0 C$! ' OK;M J@ @C@ .C@+, ., D2 J + B@ > \ ->AD C- ,)@ A>A B J@D 4L<N < 8 &'%0 OLL !- +B + +B@ ? B+@A) > AD -A@ B@ +@C J @2 ;L<K 3 ?$ (C0 (S 8;=<P(MMQ /@@D E-DG@ E@A U@J+@ > AD ->AD@ B A +B@G E@A E ?GD G+B -A @ G-A - ? CC ,;==N C & - *(C$ 0 ==N O ! 2 AD @UGC2 $!) 0 S=P- = $! ;Q AD --B@)@D@ -AD@ AD BG G ,;=K< L & - &% " - &'' O< B ,, ,@+@ G-> .-- I>G+@ \ > ;PKP 2 9 7 +C , &!$"> &"0 S =O E2 ^"@a EG / -,JB A EC->.B+ @ AD ->AD +- +B@ J-C+@2 OM;N ' ..) $- (08;MLQ(MLP <&1$') - 00(U@@JY A. +B@ A @A+ A ?@2 + @C@2 @ AD ->AD +@ C?@D)C @ @AAG2 ;P<N ! =< AD --A@2)AD @2 ^ B@a CC >@D B@C@ ;KS< O= , 2 ,@ @ / -A :> A -C +B@ JC@ @A+2 @] -+ ->AD2 J--C @,,- 2 E>+ @ @C@,G ->AD@D ;K=Q < < , ; 8OKMO(LPL "@ ->,D . A C@J, @ B ? T @ AD ->AD A +B@ -C+ + -A

% &1 " $ @+ 2 $% 8-C $% $' &)' +

- +@A ?@C@,G -,,-I -C @J +-, CG -C?>, -C +-

E@ D>,G CC @D 2 T +- E@ + -A@' D@ + A + -A 2 @+

$>$+ 8 6 " '!0 & !!$ < !@J+ 2 @AD +B -A,G +- +@,, +B + ? @ A -AD-A KK . - 0 B 0 8;KKP(OP2 @ AD ->AD A +B@ OC@ --C+ - B ;KKQ ') " $ 0 + ,0 ;<Q O2 JC-? @D +- EC A. G-> E-+B +- ,>A B2 @ AD ->AD

i8 82E ,& ' + & $% $' M -A > @D,G> @D -C

+- -?@ @ +- B AD 1 0

%[M=P ' 8 .. 8M (S OQ 1->C , + - +B@ ->C+B >CC@A+ ?@ +- @ B AD2

/ ' ,,' ->AD' B@ ,+B2' @,,2' B-,@ ' -)$!!"' B@ ,@D2' >C@D2' C@ +-C@D' +-' B@ ,+B' , -' $%'$' ' &)' ' -A +2' &%' 1 (
);0<N)' ' (' 0'=PK P;' :V@ F>@>' A-' :*-C>)B' 'E-A)
D@,>@C@D' ' - ' B ,D@2' .>-D' , 2' AD' B C@ B ,D' , - '
J-'+B@'U A.' GJ@' F>@A@' > 2 AD' J +' B ,D' , -' ';LNN
) & ' 0'K;QN' B-C>' V@2' B@' D2' ,' J ' ?@ @,@' 0@' >8'
AD' >AD' - ' ,' A B@,@' ,' ;LPN' !!0' C$!, ' 'KMK' "@' '
' >'\' ->AD' - ,,@' B ' -C .C@>@' ;LKL' 9 . 6') . '
S ' =0' B ' @ +B' B +B' ? D' +B@@' '^ >,.' ' $! -)'
%, H' I;=NN' , $0' , 0 ' <& 0' & .0' <0' "@' J +'
DCGA, G' +2' +B' J@' >->C' J@C- 'B@' B ,' @,@' B@,@2 AD' B@'
B ,' E@' > ' - ' + CC@2' - ' 3 ,@A -,G' AD' - ' ? AG' -J@C'
GUA@ ') .1 ' 8!>C+@@ (' LMM;' J@' @U@' ? A
+B' B 'B AD' B@' E, @' 5C 'B@' B ?' +-> B@D' @' B@' '
;=KW ? .0' 0' '1$' ' ' +' E' &>+' -?' A' +B@' $-- @' - ' B@C'
?- +B' AD' B@' B ,' E@' D@' ;POM') . ') . ' ,' =K
BG' G+B' B +B' ? D@' +B@' @
& ' ^ +@C' ' $!) ' A' +B@' >,. +@ a'
/@, @C@D' C-?' A' -C' -AD@?A + -A2' @D' ' A' '
+ +@' - ' , + -A2' J C +> ,,G' ' B-,@' ' 1 0
$';LNN') & ' !0' ;<<MQ' ,,'+-' E@' > '-' A' AD' ?2' J +'
,D' +C>' A' B ' B ,,' A ?' ' $';LNN ;=NN' 1 0' ;NKMQ' 8 -++('
" ' -,U' ,' ' H(& 0' >@Da' J A' ,' B@' ? U@2' AD' EC A.'
J ,?' +@' - ' AA@' AD' C U@' ;L=N' ' 1 . ' 0' & - 0'
O<P<' 0 -+' GB,+' B '+B@' >,' ? C@' DC@D@' J A2' ,' &@' D-?' @' E@2'
.G @A' AD' +' ? G' @' 7 B@+B@C' +' ,' D ?JA@D' -C' > @' E@2'
;LK ' 9 B6' , 'S 'L;' 0 ,@>@' +B->' A' +-' +B@' -CD' :B@ >'
AD' +B->' B ,' E@' '^ >,.2' $!) ' H' C' $) B&B]0'
$JO0' 7. ' 0' ! ' C &H0' K;' ' ?G' ->,@' E@'
C-?' GAA@' +' ?GA' @AD@' ,'$&&+' ' . ' ,$!$' C %0' 8 7 '
D@' 7 ';=<=(' 'S, 2' !-?@' EG' -C- @2 -?@' EG' JC@ BGA.' \'
+@ BGA.' B ,' E@' '\' -?@' +-' E, @' ;PML' 7 9) %CC '
$, $ ' 7 U '8! !(' 'KC) -D' C U' ' ' >' E@' +B@'
C' -'C@.@A@C + ->A' ^ ' ' 'Pa')
= ' 3 @A+ ,,G' -C' ?-C ,,G' ->AD' -C' A@' 0'
B@' JBC' j2 '=$+' $% ',&' , ' , ' >..@ +@D' EG' '
$! $',&' , ' '8 ' P' E@,- (
f $JO+' < 8 ' &'%0' 'LO2' '? ' @,' 3' +B' > ' -A @A @'
S > @' ?@' - 'A@ , .@A @' - CD@ ' ,- @' A' ,,@' @'
;=<L' A' .-D' ?GAD@' AD' ' ?@?-CG@' ^ @@' = ' 0' E('
' ;' ' '0' 1 %0' 20' ' / ' *2' B@' B B'
+C@ >C@2' ' +' E@' A-+' > B@ @A+@2' E@' ? G@' , >,,G' AD'
G+B' ' ,>@' -A @A @2' + U@' + S ' -'BG ' >E @ +@ ' ;PMN'
B ' +C' ! $' T' & - - 0' ME2' -' C@ -U@' B ' @A+@A @'
,C@ DG' + >.B+' AD' D@ @AD@D2' B@' AA-+' +B' @' -AY
@A @' ^-C .' ,) -'1&' $',& , ' $H0' ;PKQ' A' 5 ':0 .@A+'
& ' $!' ,0' ;QO' AG' J@C -AA@' E@ A.@' - '+B@' >,,
.@' - ' + @A+G' AD' DA@' G@ C@ 2' - ' >, ' ?@?-C@')PQQ'
(' A' 5@ @' ?@A' -C' -?@A' -?@'
C-?' J, G@ 2' AD' C@ -C+@' - ' ?@A2' +B' @' AD' B +@'
? AD@' ' XM-' ' ")!0' 0' ;' ' ;=' ' C D@' ! C2' +B +'
'B-J@' ' ? G' @' +B' ' @' %-A @A @' ;MN='] ' 0' '
'OKN' C@' B ' , + ' @ ' 'B@' A-+' , .B+' - ' OC' AG' SM +'
]' " -1(' ' ;L;' ,7 A.,@' ->.@' % A' @' @+' @G@' -A 'E>+'
' @' C@ -A' -' ?+' B >@' -?@' ++@AD A+ '
+'1 ' 6 @D' '(' D7 =*0ED*' 7 'D700-=L7 < K' *7' *4 -
'(34(*)-' (3=74E*-' ,-'K' $!' ' ' $! &'6) ' &
5 ' $)%' & ' * , + W*6' *6-' =- =-F' ' --L K' '
=(?-' 70' *(D*' W *67E*' 6E0*' 70' L0-IIE< D-' *7' 2' +BY
7E*' 47==' - ' 2' 1 (J K' 0-=-0) (* 7 ' 7?' ' W*6' <E-
0-=L-D*' *7' ' ' ' 1 0 , --' (4=7' ' 1 '* *0+
,';L<N' !' ' ' 0' 0' ;ON =KK' C@ @A@ @' @' J@' -C@A' @'
C +' 2' AD' @-CJ@, B' B-A->C' ,V -2 ! >>@' -C@' -CDC@' AD'
-C@' C)+@2' E-+@' J +' ' ->+' D-' ;L<Q' $' < . B '8$-,, ('
;O=O2' \' J +' B@' -C' 'A@>@>' -,D@2' -C+-' E +@' +C 2 / '
B@G' ?@AD@?@A+2' >>@' ,>?@' \' , ' ,;L@2' B ' &"!)
;;' =KN' 0>+' @,,@' -, ' AD@2' 3GA' B-A->C' > 2 J,@' @' B ?'
C-' D G' +-' D G' ;=LL' # ' 'V) ' S, 2' " C' -C B J'
> ' ;=QN' ' $!!$, 'S 2' ;ONK' B C-' C+ ,,' B ?' 'A-'
-?J C ->A2' ' - ' ? A2' > 'C@>@C@A @' - '+B@' C->A'
%4=KL' L ' $!&) ' ;Q' &' '%' $"0' $)) ' ! ' &
$, (' [B ,,' A-+2' > ' G->C' .C @2' ,';PNN' !) ' ' L' !
+B@ C@' *>..@?@A+
$' 5C@@' C-?' D A.@CD' @ >C@
90' -+' @SJ- @D' 2+-' D A.@C' A-+' , E,@' +-' E@'
B C?@D' -C' ,- + ' @ >C@
;LKQ' 3 ' ' '8$-,, (' 'OOQ' J@G' E>,D@' B@?' ? ,@'
--+@' AD' E A J +' B C@' ,G ' ?G)+@' E@' J@' ?-C@' '
,';=NN' $) ' &"'?.0' 8 ! (' ;KON;' ' AJ +B A.' @C@'
B@' DC@DD@' B@' @AD@' +B@' B DD@' E@A' >@' \' >C@'
I;==N' C$!!$ 0' &' ') 10' S 'LML' AD' C @' B@?' +B +' A--A'
G@C' JJ-A' B@?' BGA@2' !-' E@+B' +B@G' > ' ;==Q K' . !! ' 3'
%& > ' 0' 8% ? D@A(' KK' -'ECGA.'GA' +> ' -C' +B@' @CC@2'
+B@C' +-' E@' U@J +' +C-A.@' ' AD' >C@' ;P<N' ' &-(0'
' ';NP2' ' .C@ +,G' @ C@' ?G' ?-A @' 'A-+' @' ;P<M] '
$-0' (' ' > ;P;' 7B , +' +B->' ,G' +' C?@' +' B-?@2'
@ >C@' AD' @' ;P<;' 1 ' $* '(55(' ! @' +B@A' AD'
@ +' @C@' ?G' ,, @' B@@J@2' @' @ C'D' +B@' 7 -, @' ;K=<'
= B. ' 0' 0' 'MMO' -' @ -AD' +A@' ' ->,D' E@'
->AD %-CA B' +B->.B+' B ?@' , ' @' 1 0' HHH0' ' ;<N'
JJC@B@A -A' +B +' +B@' A+@C@ +' - '+B@' A., AD' %B>C B'
? .B+' A-+' E@' @' >AD@C' +B@' C>,@' - ' '? A' EC@D' ? -A.' / >+ B'
&C@ EG+@C A ' ;KPO' = ' 8 ' E ' ,! ' & - &' 0"' HH0'
-2' A-2' " CCG' D C, A.' ' ? -+B@C' A' +' @' +' ,,' G->' C@' @'
8)> -)XC' & ' ?& '>' $' 1.0' <$- ('? !! $ ' 'PQO'
+B@C' D@ ,A@' B@' B A @' ,+-.@+B@C2' AD', G' +B@' E ,, ' @2'
-C' ? U@' +B +' +C-U@' B B' @@?' ?-+' >C@' AD' @ G2'
EK' A&' [0% & -,(' H,&%' @ >C@' . A +(
;L<N' < 8 ' !!(' ;PL' B +' B@' ?@ >C@' A' B '@SJ A @'
!-' U@J@2' +B +' - ' AD .@A @' "@' > ' ,' ; > 'C$!!$ 0
&' ') 10' H0 <QL' ,' +B@' ,-AD' +B +' +B->' B +' .--A' E->+@' C-'
,->D ' U@' ' 'H?& !(' 0' >@a' 1 0' <KO' BG' @@D '
+B' > >?E@C' C-+ ' .C->AD@' @+' +@J)' AD' ' -' ?@>@CG'
?G '+B@G' C@' ;PLP' 3) .'6&1'SS '<' B@ C' B-> @' ' C@'
@' C-?' ,,' @ C@' ;PQQ' 0 ' < 7 ' 1$, >') 10' 2'
8;PKM(' LL' 1 '+B@G' E@' +@@J@D' A' % J-A 'E,--D2' +B@G' G,,' E@'
C-?' ,, B>C+ >,' @@D@' ' ;M<Q') 'B ' ' A' ;NMP'
7 B@C@' +B@A' B@' , 'D' -E >C@2' E>+' @' C-?' :- @' ' ;KN;'
0' " - !0' ' =NL' B +' 2 ' J@C -A' -A @' A @ +@D' @' +B' +B@'
? ,, J-S' ' @' C-?' B A.' +' ' @ -AD' +?@' ;KMM'
=) .)' ' ' ('A0' 10' 0' 8;KQK(' MM ' 1 0 D' A-+' @@,' @'
C-?' B ?' +,' ' -A @' ?-C@' A' ?G' +>DG' ;K<;' ' . ' 0'
' * & 0' ' ;=' B@' B@C? + J@+ + -A@D' B ?'
+-' E> ,D' +B@?' 'B-> @' B@C@' +B@G' ? .B+' E@' @' C-?' +B@'
A >C -A ' - '+B@' C E

Q ' # ' 'J, @' -C' +B A.' -CD A.' @ >C +G' -C' ?'
?>A ,G' A-+' @SJ- A.' +-' D A.@C' A-+' , U@,G' +-'
> @' B C?' -C' A*>CG
$JO+' < 8 ' : ;MP' @J+>A> 2U@J+' B C@' A' -' >'
'J, @' 5C-' 5-,JB@?@' AD' B '? A @2' B +' E@' @' ? B+@'
++@ .A@' B C' -?J .A @' $/O+' ' 'QK'
A @C' ?@2' A' B +' @' J, @' G->' B >@' E@ +- 'D' ?G' ?-A @2'
+ B**, -1 &. = ? +' A' .--D' AD' , @' C- +,@'
-C' B JJ A.@' ;MMM' , ?' ' ;<' $ 0' ('K e' P' B@' E> ,DY
A.' +B' OC U@' 'A-+' -A@,G' ?-C@' -?@,G' AD' D>, E,@' E>+'
,-@' ?-C@' @' . A + >+>C@' J@C ,,' ' -'5 C@' $% +')'
' B . 0' ' 'A' B@' ,@ > ' &- D@C' B@,D'
?- +' @' +-' E@' + U@A' EG' +B@' E@ +' D- +-C ' $%O>') '
(& 0 0 9&?' '!+ + -A' @' -C' !B J 2' B@A' @?J@ +'
C- C' ;QKN' B ' & - 0' 0' 8;Q<N(' ;O<' ,,' U AD' - '
,A@A' AD' E@DD A.2' B@A' A-+' C@ I>@A+,G' > @D2' E-?@ D +@'
" - '+B@A' ' +' J- E,@' +B +' E@D 2 B B' C@' A-+' ,@J+' A'
E- @' + -' -C' +BC@@' + ?@' 'G@ C2' B->,D' E@' @' SKMS 5 .
(7 7 . ' ;=' B@' @ +' +?- JB@C@' - ' ,' -C
'J + @A+' ' ' .--D' BC@' AD' A' -J@A' AD- ' SKMM B 7'
'P< !+ C @ 2' +-' E@' C@JC- - 2 -C' +' ,@ +' @' >AD@C'
+B@' -CD A CG' C >?' + A @' - ' $ >+' ' 0' &&'
2 B +' J C+' - '+B@' -C,D' ' +' ' @' D + A @
0' 6 @D' $' %0 A' +B@' -?J->AD' 6 ") B !'
6 7 B)' ! I 'B@A @' +B' E ' - ' ? , C' ?@ AY
A.2' ' $%',&' &"(, & "'8 ' 2') $',) & $+(
+' &2$ 'H , -' 6 ' 1 7! 6 ' 8)
$/J%' 8 .' A' 3@CC ? >' % ') ' 0' 8;<NO(' '< -'
U@J@' +B@' ?@' # @,@G' A' G->C' , @' >+-DG@' ;P=Q' A'
.$ ">' '$ 0' 8;KKK(' JJ' ?' ' 2 ;O<' 7 B B' ,@++C@' @C@'
-C G+B' / @,G>@C@D' ->@C' +-' +B@' > @' %> +-DG' - ' 3 +@C'
%B ?E@C,@GA' $' $%+/' = 7 ' ,0' C& - 'S"S' OO'
B A' .C A+' +B->' BG' ' >C@' -AD> +' ^ ' #5 ' $!%'
')',&')](' SMSS ' "-10' 2' ;<O' AD' ' ?'
-?@+B A.' JC -> 2' E@ A.' +C A.@2' -' B >@' +B@?' A' @'
+- .@' $%J&' = ' &-) 'KC2' B--+' C-?' "@ 'A' +-'
. @' B ?' @' -A -G ' $%&O' 8 .' 0' O=' - ' A'
% C,G,@' JJ'%' -' ;=2' 'B @' EG' +B '0@ C@C' C@+>CA@D'
'! @ -A -G2' 'G->'D@ C@2' -C' B +'%-?? -A@C' GM>'
+B AU' +' +-' @AD' ->+' +-' ?@' $%/$' ' $ $' 'A'
SS ';M=' B@' @' > +-DG' - ' ? A' > @D' $>%%' "'
'PNP' " ' -A,G' E> A@ 'E@ A.' +-' U@@J' +B@
.--D 'A' B ' $% '*! ' = ' 1 0
;MK=' , ' ! ' ' C 0' 8@D' 3 A,@G()' ! @' J,@D.@2' $!) '
*) (' '!>C@+G'. @A' -C' ' 3 A' ' JJ@ C A @ . A +'
'D G' .A@D2' ? $, &' ' !10' = ' ,$*(' #(' '2 '0' O' B@C@' +' '
, -' ,,@D' ,) '*) 0
' # ' A' + -A2' JC- @D>C@2' >AD@C+ U A.2' J, A2'
@+ ' 5C@@' C-?' C U2' A-+' A -, A.' D A.@C' -C' ?'
B J2' .> C A+@@D' . A +' ,>C@' !-?@+ ?@]' C@@'
C-?' C U' -'@CC-C2' 'A' ' ' $%' &' $"'
$/O+' 1 ' 0A 0' 'S 'OL' B@C@ -C@2' ! C' UA .B+2' C@ D'
B +' ->C @' -'G->' ' +' D@?J+' $@+/' ' !$,10' C'
';=K' #>C' @ +' G' '+-' >- D' +B@' G ?@' $%A&' =)) . "'
'<$- '$' ' ;;' 'O;' 7 B +' B >@' G->' +B@C@' ' ?!0' ? 0'
-+@' 8! C(' -' !+ +@ &-, @2' AD' -AA@' @S @@D A.' @' -A@2'
$%/$' ' $ $' 'SS ' ;P;' ' + ' ' @C' +-' @CC@' -A'
+B +' B AD2' +B A' -A' +B@' -+B@C' $>J$' ' ' -0' $ $!
8;K=N(' =L' 'A@ @C' @' +-'D@ J @' A' @A@?G' $>A ' 8 6 '
$ $,0' 0' "& ' &' ' 7 U ' ;KO=' 4 ' OKM &@CB J ' B@'
-?@+ ?@ ' +--' @ @C@2' B B' ' @' AD' J CD-A E,@2'
@CC-C' A>/$' # ' $-1! ' - ' ;QL' J' ;;' +' , G '
@C' +-' @CC' ?' ->C' - ' -+B@C' +B A' - ' ->C @, @ ' ;Q<N'
%- J $' " 0' 44 ' ;PN' -2' ?@' +B@' @' +' ->A @,' AD' +B@'
E@ + ' SKS-' ' $ "'&%' 0' ;;'SSS 2' 5 C' >J' +B@' , U@'
'+ @C@' @ +' , AD' 2 ! ' :'O ' 7. ' % 3 '>' $ 3'
- ,)-' !L' ' A') >C A @' -?J AG' B ' -E+ A@D' ;NNN'
J-, @ 2 +' ' + + + ,,G' @' ;KML' 7 ' ..1 ' *0' S , 'OP='
B ' '%B- +@2' B-' ? D@' +' @' +-' ?>CD@C' 5 G $2'
- '4%' '=P= ;' + ' @' +-' G' +B +' JC-J- + -A' - '
+B 'U AD' ,,'A-+' .>C@' >J-A' +B@' !+ +>+@ E--U' G@+' B ,@2'
'E ' A' +C-A.@C' @A @' '%-AD> @' +-' @+G' 1 (
$%A/' & ' '8 CE (' =NQ A' ?E,@?@2' A-'
D->E+2' +-' B@ 2' B-' @' > @ ' +' -C 3-A C B 2 +-' ? U@' >C@'
- '+B@' .--D' 7 ,,- '%-??-A' &@-J,@
%' &BC' ' ' $%' ' f ' +B' ' ? C. A' -
@ >C +G' . A + @C+-C
;K=Q' = ' ! (' 0' & 'S, 2' 0@' -A' +B@' @' D@2'
AD' D-' A-+' +C>' +' B ?' +-D' 2' ;KPK' ,(' !$ (' $ 0' 2'
K=' B@G B->C' C +B@C' @CC' -A' +B@' @' D@' ;K<L'
& #' & "'&%') ' '"&"' 5-C' +B@' U@' - ' E@ A.' -A' +B@' @'
D@2' 'B @' + U@A' +B@' , - @' + ,>@2
D ' JJ, @D' $' ' %0 +-' +B@' .@A+
;KQ=' ' &D) 3C!$" 'PL' $@?@?E@C' +B +B@' D@ D'
E ,' 'A-+' -' 'B@,J@C' 'G->C' J C+A@C' SK) ' *&&!'
,0' ;K 5@E' P O' #A@' 'J@C @ +,G' @' A' G A.' +B +' +B@'
J- + -A' - '+B@' @AD A+ 'A 'C@, + @,G' ?JC- @D
3' ! @ >C@D2' U@J+' A' > + -DG' >A E,@' +-' @ J@'
"@A @2' A-+' , U@,G2' +-' -?@' ->+2' A+@C @A@2' -C' D-'
B>C+' J, @D' E@G-AD' +B@' J- @C' - 'D- A.' B C?2' A-+'
+' JC@ @A+' D A.@C->
>' , + +' * - ' & 'H0' ;' A' O>,,@A' ! 'C 0' 8;KK=(' 2'
ONN' 7 B +2' ? D ?' ' B@' , @' ,@@J@' ' 3 - +' ->AD,G@2' ! C'
& %*' '))C)) A' 'OP' O>+' O A I>-' ' @ ') 0'
2' ?G' . --D' -CD' ' @' A' 'D + B' B@' E@D '] ' XMS-'] ' - *(
;;' ' 'O;' 3 G' 5 +B@C' ' B CD' +' +>DG' JC G' A- 'C@ +' G->C'
@, @2' "@@' ' @' -C' +B@ @' +BC@@' B->C@ ' ;MSL'] ' 0' (
'<Q' $@ @ >@' B ?2' AD' B@?' @' ' + ' . @C' SM K'
' !&) ' *' 8;MLM(' ON=' % @ C2' ' +' +B ' + ?@'
E @A+ ->+' o' ' ' AD' -'B@' G@' ,-G@D' >J2' +B@G2'
JC@ >?@D' B@@' @@A->.B ' ;MMQ' = . ' 0'
4 'K;P' AD' -+B@C' C@' J@CB J ' 3 G' B @' D @C+@D' C-?'
%-A+A> ,' + B' #+ C' .C@ +' 5-CE DD@C2' @' +B' ,,'B ' !J @ '
E->+' B ?' ;MQK' $' ' , ' & 0(' * :
'8;M<M(' =<N' 7 B@A' +B@' !A U@' ' 5C-X@A2' '+ ' @' XK '
) "' " - ('T' ' , ! ' ! ' '&" ' , C' 1@'
J C@A+' '+B +' B @' B ,DC@A' D@ C2 ' 'G->' ->,D2' B @' +B@?'
@' EC- D2' &C G' U@@J' +B@?' @' +' B-?@
C & 0' 5"B' ' B ') 10' 8;KQK(' ;QL' / C @2' >AA@2' DC @'
AD@2' ! @' E AD@2' @' AD@' ^% ' - '$ 0' O2' I>-+' ;P<M a
' ' !>C@' A' JC- @D>C@' A-+' , E,@' +-' , 2' ? Y
,@ D2' -C' D JJ- A+' @SJ@ + + -A' +C> + -C+BG2' E '
% >+ -> 2' U@@J A.' +-' '+B@' @' D@'

;MN=' ' ('A' 'ONP' 3 G' E,--D' E@. A' ?G' @C'
>D@' +-' C>,@' ;MMQ = . 'C 0' 0' L 'LQO' @AD2' ' -,,- '
+B@@2' ! @' 8+> D@2' +B@' J +B' B->',@ D' +' ?@' ;MQK' B) 8 '
' !!0' " 0' ' e' LQ' O= 8;KON(' 'LMQ' B +' @' AD' >C@Y
--+@D' A+@CJC@+@C2' ,@S' JBC-D > ' ;KKQ' ' . '
1 ' , $' !@C' ;;' =M' ' ' ? +@C -' +G,@' AD' D + -A2'
3 ,+-A' ' ' @' ' C. , ' ;K<=' $!"' 2' L' 3 G' P L'
B@' C +' ^BG ?A ,a' 'D@ C E@D' EG' % A-A' @,, ' 'E@ A.'
.@A@C ,,G' @J+ E,@' +-' B)B' B>C B@ 2' +B@' @ -AD' +-',- '
B>C B@ 2' AD' +B@' +B CD' +-' A+@C?@D +@2' T' -?@+ ?@ ' ,,@D'
@' B>C B@ '
/' ')1 +B' &%30 !>C@' +-' -E+ A ' 1 0
;MMQ 1 ' $ "'OL' >. 2' AD' ? - +' J@-J,@' J,@ @D.@'
+B' +B@ C' E@ A.' ' +' @ 2' AD' @' - ' J@ @' ;) L' B)'
$' 1' L' " @C@' ' + AD ' ! @' - ' ?G' J>CJ- @' A- ' ' ' K='
' 0' < 5@E' 8 3 ! 2(2' 7 B +' ' ?@ A+' EG' T ! @' '
+B@' E@ +' -CD' +-' E@' JJ, @D' +-' ' J, G' +B AU] @' - ' 'C@ ,'
.C@@ E,@] - ' ->C @' 'D-A' +' UA- 'B- 'J@C? A@A+] > @
E ' &'1 ' $%(-,,- @D' EG' A ' -C' ' -A +2' GEC2'
JC@D +@D' - ' 'J@C -A' -C' +B A.' +-' @SJC@ ' +B@' @CY
+ A+G' - '+B@' +' -C' @ @A+' A -, @D' A' +B@' JC@D Y
+ -A
"@A @' > @D' $ 1 0' A' -,,- I> ,' JBC @ ', U@' T' "@' ' ' @'
C +' f 'B@' ' @' +-' + U@' ' C +' ,
;Q<N < ' C & 0' <!& (O(!>JJB2T "@' ' @' @A->.B'
-C' E@ A)' B A.@D ' %>?E2' 5Z O 0 0 % ' !55H H0'
ON=' !- @+G' B D' E@++@C' B>+' >J' B-J' +' -A @2' -C' + ' @'
+-' E@' T >JC--+@D' C-?' + ' @CG' ->AD + -A ' ' SKM-' 9 '
= .3 .. ' .%(' ! $ 1(;NQ' "@',,' A' +2' ' @' ' @' '
SKM '5 ' HV 0 ' 0' & '=M' G->' B D' B JJ@A@D' +-'
@A+@C' AG' -??-A C--?' A' # S -CD G->' ->,D' B @' E@@A'
@' +-' B@ C' -?@' +@A' -C' + @A+G' - @' @,-I>@A+' -A' +B@'
>E*@ +' -' C +' <N' ;KQ=' 9 ' = .3 .. ' "& '
' 'OOP' B@' -C@ .A' B-C @' , ' @' +-' A' +B@' -'
B-> AD' SKK 'O' 3 2' 'C &1 'C ' ' ;LQ2' T '
?' >C@' ' ? A' A@ @C' @A+' +2' D' "@,@A' ' T' '?' -CCG' +-' G'
+' - '?G' - A' @S2' E>+' +' ' @' +-' E@' ' -? A' ' SK) T ' ! '
9 ' '&$ 'PN' 1->'UA- '+B@' %-,-A@,' ' ' @' '
B-> @' +-' -?@' C->AD' +@C' B>C B' J C D@
+ ' '%@C+ A2' @ + E, B@D' ' +2' A-+' +-' E@'
,,@D' A' I>@ + -A
;QKK' . ' (' 0' ' ' ;=' 5-C' A+' -' I> A+Y
A @' +B' B +-CG2' @' C@' J+' +-' JC-A->A @' $' * & ' ? AG'
+B A.' '+-' E@' ?J- E,@' B B' A' +' C@ ,,G' @S +2' AD' C@'
@CG' @'
' 2 I> *)' ' ' $%'8#5 ' ' $) %+' C A' ' @'
J, @2' A' @+G' ' ' ' 7 +B' @+G2' @,G'
1 0' $ 0
%[=LN C ! 0' "%' $' & ' 'S ' 8;KM<(' ;L' J@' -
+>CA@D' B ?2' AD' E C' +B' B ?' J@' -GA@?@A+@ 2' AD' J>++@'
B@?' A' ' ;PM<' ' $-1 'I' L' ' ' %'
? G' .C >A+' +B 'D@@D2' ,,' +' A-+' C@ > @
! ' !J@ , -,,- + -A ' ! -'D@J- +' 8-C .
E0' C(' 'J, @' A' B B' ,> E,@' C@' + -C@D' , -'
$! 1' ' ! @' @D.@2' 4$+' ' ? --+B' @D.@' - ' ' ,@'
B@A @' @ @D.@2' @D.@D' $ % '41+' C & & 0' 8 @@'
I>-+';K<;('+' ! @', ?J2', A+@CA2', .B+2' ' @+G'
?J ' ! @',- D2' ,- D' B B',@ @ ' 'C@I>C@D'
? C. A' - @ >C +G' . A +' > A.' EC@ U .@' -C'
A*>CG' +-' ' +C> +>C@' 8 ' 6 'M(2
;QKL' : ' ' B 7 ' A' !J CU ' & 0' 0' 0' 8;KPL(
' OQ 7 @ +&- A+ ? G' E@' ? D@' ' @' D@J- +' B@C@'
@ @CG' ? , + CG' C+ ,@' ? G' E@' U@J+' A' .--D' -CD@C' AD' C@J C'
;KKN' 7 ' (8 ' -0' ?&" ' ' < ! '8;KK;(' LLK2' @A+'
D- A' A+-'+B@' >,+ - '-A@' -'->C' .C@ +' @ D@J- +' E> ,D'
' A' ;KKM ' , " ,!0' ? 0' 4 4 ' ;=P ;' B@' J>E, ' @' -C'
@ D@J- +' '@C@ +@D' A' ?- + '+B@' .C@ +' ' +@'' ?@C '
AD' A' -AD-A ' ;K=M' . U 166 .') ' ' '@+ ' 'KO;'
!-?@' ,@'B @' -A@' -C' ?-C@' @D.@' +B +' >A >+2' AD'
+B@ @' C@' UA- A' @ @D.@2' E@ > @' > B' @D)@' C@' A-+'
, E,@' +-' +' >J-A' +B- @' J C+' - '+B@' -CU' . A+ B @'
+B@G' C@' ,,- @D' +-' C>E2' B@' @ @D.@' ,@' ' JC A J ,G'
C@I>C@D' A' ? UA.' ' @+ - 2' -C' B->,D' C^@+ a' ;KK=' 5 ' :
' $, ' P !&,,-0' OLN' ! @' D.@D' 5 ,@' SK<S'
' &' ">' C &&' (?)! ' 'MM' B@' A@. + @' +-' E@' JC A' D@'
C-?2' B->,D' B @' A'-J I>@' E-CD@C2' ,,@D' ' @' D.@2' E->+'
'I> C+@C-' A ' A B' D@' ? D@' C->AD' +' R&R=' 1 ' ('
LN # +' A' & C ' % '8;KL;(' 'KO2' '+C> +' +B@' ! @', ?J'
,,' A @C' ,,2+B@' -E*@ + ' - '+B@' -,, @C' OK;P'] ' A' C)'
$' 0 % ' ;0' B@ C +' @', A+@CA' +B +' 'B D' -A C> + ' @'
' ? D@' '+ A J, +@2' AD' +B@', .B+' @? ++@D' +BC->.B' ->C
' , J, +@ ' A' +B@' D@ ' ;K;M] ' 1 (OL2' 'B @' ,C@ DG'
D' +B@' B-A-C-' ' -?? >A ' +A.' +-' +B@' $-G ,' !- @+G' A'
->A+' ' @',.B+' S&' &' ' B ' $ ' ' '< 'MQ'
OC@ U A.' AD' ! @' - D ' -C' OC D.@ 2 ' CD@C' 2 @+ '
$!"' !0' LN' : A' ;P= ' B 'J C+ >, C' B A' ' @C+' @D'
'E@A.2 J E,@' - ' + AD A.' ' +C A' - '+BC@@' +-A 2' -'
+B +' ' @' ,- D' ' * '+-A
. ' %-?E2' ' H' $% 31 &2 ' H3-$%'
+'3-$.' '8 B@C@' @' ' -E*@ + @(' $% 31& '
3-$, ' "'3-&& ' 3 D) ' D* '8 B@C@2'
T' @"' 'I> D (
' ' A' 5@>,,@C +' 0G ! 'A0' ! O('8;<NK(' OP=' &>++ A.' A'
-CD@C' AD' @E@ +- A.@' -'+B@' . C?@A+@ 2 OK<M : 1. 7'
' $ 'LK' @C .0' +@@A' B>AD@C' ->, ' @E-CA@' C *
J-C+' +-' J-C+' $%&J' 11' &--(' <' 0'S, S' ;N' #+B@C '
C@AD@C' !& (' $'D) !!$ & (' $! $ & (' B@' ! @? U@C2'
B@' &@ @ ? U@C' ;PQ<' 7 '9 . ' &'%) 0' $-0' & '
;L' B@ C' ? A +C + -A' '+B@') @? UA.' ? A +C + -A' ;Q!!
: ' 2' ' ' $' !(3 &- >' . 0' L') ! @? C BA.'
+BC->.B' +B@' % ? (' ;KL;' . ' $ 0' ? 'S 2' ! @'
?--C@D' A' -?@' + ,,@ +' - E >C +G' ;QLP' 1 ' " 0' 'PM;'
!-?@' ?--+B' @A+2 -C' @ @I>@ +@C D' E *
+'E ' A' @CE ,'JBC @' > @D' >E + ' @@' I>-+' 1 0'
,';M=N: ' 2 ' ? . ! " '8;KKL(' NM' "@' B +B',@++@C'
- ' @ -?@2' @'.-@2' AD' @ + G@' -C' @' D G@
)' &), '2 ' 4% (' $%' &), '{ @@' S B 6 !
+! @2' ' 0' $ 0' ^ ' ' + a' $' 0' -
C@AD@C' @' -C' @ >C@' , -2' +-' -AD> +' @,G' &) '&0'
L% ' = !0 0' " *E2' / @ C@' -CD2' B +'
?@ A' +B 'C .@2' B@A', UA.' ' @' ! C@' @'G->C', @'
,' G-> A' C? ->C' C @' C-? ' ' M ' ' ' ' ,' 'PP'
3 G' ?-C@' J C+ >, C2' AD' +B +' B B' ?- + +B2' G->' B->,D'
' # ; '

@ ? G . - A . 2 5>,> D@ +B 1 0 + OM O@ + G->
+ +B@ EC A.@C # >+ - +B@ B- 6) SM S 1 = (*7
;4O B> B@ EC > D2 AD G@+ B -,@A+ B + !+C--U@
B-C+ +B ,, B -,@A @2 GD D@ , @ + 1 0
OKP + B B @ ,, @C@ + 7 , 2 AD C >@, A.2 +B + ? G
@2 ->C ,@@+ AD JC-+@ +

! @ -AD> + 8) U AD JU+(2 10 5-C? @@
6 $0 AD)B 1 ^ 5 $)%3,&)E
8;L+B (2 $)% 6 $0 i ,&'))B 1(
% !J 2 &. $! &,&') % + $! &,&' & &B ?@D
$!) ,&),%) 0]

B@ JC ,@.@2 .C A+@D EG - @C@ .A -C -+B@C
- ?J@+@A+ >+B-C +G2 - E@ A. JC-+@ +@D C-? CC@ +
-C ?-,@ + + -A B ,@ ? U A. J C+ >, C *->CA@G
-C +C @,, A. +B A @C+ A C@. -A &BC @ 2
-C 2 $% ,&'))' -C)*&' 4$+ $% 3,&' , 0
$AO> < . B 8$-,, (;NOOM - AD@ B ? -D@ E-C@ @ 2
\ > -AD>+ , - , ;LOL & 0 LM;Q 1@ B-,@ .-A
A ->ADG+@ - ? A B , D- G@ D@ JG+@ ;LLK $
B &'0 8;K;N(OMN A +@D@ - ?@ @A.@C@ 2 >@
-AD +@ .G>@2 J-C.B) ,-AD +- .- A J A >- C @2 J +
A-A C-EE@ A@ ,-2 -C J >C+@G @ ;L) < 8 &'%
;MN 5-C B@ A-A B@? -,D@ ,@ " > -AD> + E-+
+B@ B DD@A S=SOcO-)7 &" ?.0 <LP 5-C J@ -
JCGD@2 +B ->+@A AG ,@>@ # C -ADG+@2 B A J@ d +C-AD@
G + U@ ;=LL &!! C$!(=QL ; @++@C - @ -AD>+
, 4=PN ! ' KO B@ B DD@ -AD +@ +- C@+>CA@ +- A
+ .@, ;=PM < ' 3 $2 ' 8! 2 ! (<L ? A
E@ + @ JC@ -A C@ J-A A@ -+B@C, > -ADG+ ;=QN KP
= .) H 0 SSS LOO B@AA@ +B@ O C-A @A+@
-C GC C +C ? AD@C > -AD>G+@) ;P=K ' . .
&'0 '0 L= B@A +B@ J + GA@ @A+ --CD@ +B +
+B > @ -AD>G+@ B@ ->,D -?@ AD J@U@ +B +B@
UGA.@ ->A G,, ;P=< & - *!0 ,& (S ;NQ -C -++
?@A + , @A+ C -A C .6 .C-AD +B+ ->+ +B@ UGA. - A., AD
>@ -AD> + 4P 7 < 6 &'0 OP= C >A+ A. +-
,, -??@C ->+ - @ @CG %->A+C @ @ -AD>G+@ +- -?@
AD .- ;PQQ KQ ' ' !$ ' ;; 8;KQQ(PL -
E@ B-C+2 >J-A @ -AD> +2 +B@ E B-J -??@+B +- +B@
U A.' JC@ @A @2 $;PQK / ! & + -++ @(&'0 ,& 0
8! ! (KL B@ C,@ . + >AD + +- -?@ +BC-
A., AD 9>B>B<& 0 ' , ## ! S+> 2 AD %,@ ? @A+ 2
.C A+@D ! @ -AD> + +- +B@ 3 C A@ 2 +- C@ ? A2 AD +C , U
? +B@ - A - A -A 2 +B->+ E@ A. ?-,@ +@D -C D +>CE@D
EG +B@ A I > +-C ;K=N ?$ '( ) SS 2 B@
+ U - -A @G A. -A@ @? ,@ A @+G +BC->.B > B @A@
@ ?> + @A ->A+@C @A->.B G-> @J+ +B@ @C @
; +@AD@C B@ B ,, E@ A + A+,G J, @D A @ -AD> +
;KQ< - B $ LP " @ E D -?@ - @C >AD@C @
-AD> +2 AD B@ A-+ D@+ A@D) ;KKQ) ' 77)
" SS 2 J . A. G-> AD 3 :@ %C- + @ -A
D> + +- 3-- -A+@ A

/ D- >?@A+ EG B B2 +B JC ,@.@ -AY
@G@D

^;L<O $! 1" 5* 0 8% ?D(;Q< LO &C- C J+>C
@+ . ,, -A@ A > >@ -AD> + / >@, D@ !+>,J@X a $&+&
) 0 P :>,G A ,, 0 0 !@C ON AD
+B@C G AD J U@ +B BG? # @A ,@AD- @Ca >J-A
+C>G 2 AD JC G@D - > @-AD>G+ >AD@C B @ , +- @AD
B- ?@ ?G AD B C ?-D@C AD +B C@ ? GA@ 4=QL ,,0
0 $ 0 ,& 0 8;KQQ(MQ C + AD + +B@ D
A., ? A B D A >, -AD> +2 AD +B C@ + C B@ B@
-AD> + A/AJ . <$!0 $) ! PNL ! - ?@ B@ D
B , @ >AD .B+2 -?@ B@ D B B C+@C ;MON
(B A & ' C$* 8% ?D@A(;;P AD B>?E,G
JC @ B 3 *@ + @ .A +>C@ +- +B @ -AD> + B@C@
A ,- @D $>%% . & - ') =N; !> B .--D
C@ EC->.B+ A+- +B ->A+CG EG A , @A @A@ ? G2 +B->+
@ -AD> + -C J J-C+ $ &O = B. (' 0 5(
PQM 5@ @C B ? U@D -C B @ -AD> + " @ B D
A-A@2 O >J B &' 0 (S ;OO B@ @ -AY
D> + .C A+@D +B@? -A +B@ C D@J C+>C@ D +@D -A +, @ OQ+B
- :>,G

- B@ + -A - -AD> + A. -C -A -G A. A
@+G @ -A -G

;LLK $ B &'(8;K;N(KN " @ JC @D J ? - ,,@
J A. - B -AD +@2 A+- J@ @ 9 +@,,@ \ " >.B
D D B@ B .B+2 ,@D J ? >@,G @,,@ ;PO< &) &! ?.(
'0 A !"$' C$* 8% ?D@A(;PO 5-C +B@
- +@ - B ? AD > B -+B@C +B B ? 2 ++@AD@D >J-A
+B@ , @ -AD> + - +B@ D ?-A@G@ $/>> : ' 7 A
$.!) " > &"0 8;PK<(;PM 5-C ? G @ -AD> +@ +- +B@
%->C+ B@ B D @A+ ->C@ J+ ,A@ A%/A ( ) +C
' > $ =K; AD . @ +B@? > B @ %-AD> + AD
%-A - @2 +B@G B ,, C@ -A E,G C@ I > C@

% 3
$&A%) 7 <) !0 C ! (;;O A +- GAA@CG 2 +B + D@G@
C@J@A+ >A+2 - G @ J CD-A - BG E@AGA.@ .C >A+2 5B@a
7 G B G +- B@?2 A +- +B@C C@ >+2 &C-+@ G-A AD +C>@
> -AD> +2 " @? +- @2 +B + +B G E@ A + J A ;POM
C ! 0 C %0 8 7 D@ 7 ;PL;(E2 A B@>G>@ @2 @E,@A@ 2
AD +C->E,@ - @AA@?G@ 2 + ->C -A -C+@2 ->C +C@A.+B@A
>@ -AD> +@ AD J@ @ ;PP; 9 . & . ;;PKN(
L E2 B -CU@ ? ,@ A-+ + +B@ ,C + @A+@C >A @2 B >@ +B@
> @ -AD> +@ AD JC-+@ + -A - G->C ?- + A-E,@ C- ,,
3 @ + @ $/>& ' .. 8 <))$ $> $ - 0 *0 OMQ O@ A.
@ C@ ,,@A A+- +B@ ?- + .C @ -> AA@ @ D- , @2
AD .- - -A+@A+@D2 +B->.B @ B D C@ @ @D - -D
@ -AD> + +- E@) @D OMOP +C <&' $! & > *0 'D) 0
;=M -D AD@C B ? .B+G JC-+@ + -A2 AD EG B - A@ @
-AD> +2 EC->.B+ +B + B-,G E>C+B@A +B +B@C A >A 8 ..
. 0 8;K<N(S- .C@ + -A+C-,, A. C@ -A A B- @
@ -AD> + @ +C> + ?J, +,G

i ! @ -ADA @+2 0 100 ^ JC@ E a $' 0
- ,@ D2 -A -G2 -C -AD> + @,G

A @C @ [5 V $ V& '), @,, 3,&') > (
A $.!) " > &"(8;P<<(L=M B + B@
->,D . >@ ?@b ?@A +- @ -AD- + ?@ A+- +B@ GD
!-JBG $/%> *(; / *2 B@ ? G@ E@
@ -AD> +@D AD @, >? +- +EG .C @ $/0+ = . 8
5 C 0 $ '1) + +2 O@ C A. A JC >@ .A@+ AD B
E AD - @ -AD> + +B-C- C 2 $ % FPD '
-(6) W O " @ AD@@D E,@ +- ! @ %-AD> +
,,+@@ @ C-? +B@ %C- @ +- & C D @ SM-- - 6 L $ &
S <M B ! -CD 8 +C> +(B ,, @,, @ -AD> + ?@@
A%JO 8 C ' $), %-A+@A+ B !@ -AD O--U@

- 3 - @ B@ @+B +B@ EC A. A. ->+ - C @, +B@ @Y
-AD> + A. - +B@? A +B@ 7 ,D@CA@ @

(?- KE(0< 8 @ T . D(2 5-C -C? @@ 6
$0 AD < B) 10 !@@ , - 77 ! 77)
^3 $ $ = $)%3($% 3(@+ (2 5 $) 3
$ 8;L6; A " +X / C? (2 $) @CA2 -
$)% 6 i $ < B) 10 % + 2 !J $! $3
)$ $(&. $! $)$ $(?@D $! $ $ $0]

&C-+@ + -A2 @+G - $ -C 1 0 8 @@ E(
;=O; &!! 8 C$! 0 2 ;P< O B@ J-C@ !->D@-C B @
+C>,G @C @D +B@ > . CD@ - +B@ -C D - A2 , ;=QN
' $!!$, MPO ! . CD@ B@ . + AD C E- AD
+C@ ;PSL = , (8;M=;(=PN 9 A. $ B CD2 +B@
?@ @A+2 ? .B+ B @ @ J@D AD .-++@A @. CD EG
,G A.2 $;P=K ' .. &'0" '0 KE2 O@ @ BGA. +B@
/ >U@ +- .C A+ +- B ? +B@ @. CD@ - B ,G @ ;PPP)
,$ 9 - +B@ B B +B@G ,G@ -C @. CD@ AG ? A
C@ -C+@ A+- +B@? ;PQO 0 C " &) ' , ! ,& 0 !@C 2
;LO B + A ?@> + U >J->A +B A @ +B@ >, . CD AD
JC-+@ + ->A - -AG UA A AG ?@ -C -A -G2 +- +B ?@
-AG .>D ;P<K . ! ,($' 8;MNL(K< &C@Y
@CC A. +B@ @. CD - B J@-J,@ E@ -C@ B - A@, @ ;MLO
7 8 $ 0 . KL J, @ - @.> CD2 ,,@D -?Y
?-A,G +B@ 3 -A +@CG - C@ >.@ ;ML= $ (
ONN B@ -?@A ^- !>? +C a C@ -C ->C .@2 ? X-A A2
AD - > B ->A+ +B +B@ C +GC AA I >@ -CD 2 +B + +B@
@.> CD - +B@ C E-D @ C@ -?? ++@D -?@+ ?@ +- +B@ C
C@ ;QLM 8 $ 0 ((0 1) " " @ ++C
E>+@+B +- ?@ +B@ @ .> CD - +B@ B-,@ @?J C@

E & = + $%)$ &% 8A- $, (+(i &=
$%)$ &% % ' $%)$ &% -C +B@ D@ @A @ -C
JC-+@ + -A - 2 A -CD@C +- +B@ @+G - 5-C?@C,G
C@I A * (%& $%)$ &% ' ! % (

^;L=Q &!! &%C$! (;<= ; &>C , @ . CD@ D@ , J@@ a
;=LL 1 0 2 == - ,@2 AD -C+@ @2 G->C@ @ D
- A@ AD " GA2 > @A+,G -C +B@ > . CD@ - ,,@
3 C B >AD @ AD -+B@C --D@ +B@D C -?GA.@ ;==N A
!,@ 0 $! $!! 8;KPM(;NQ 5-C +B@ ?-C@ >@C+G@ AD
> . CD - +B@ +C@ ->C AD @>GD@A @ - +B + G,D@ ;=MQ
A ' 0 < ! 8;KQN(L<K 5-C @. CD@ - +B@ UGA.@ +@
!' ' ;Q AD +B@C@ +B@, DG&C@ GA@ + E,G B@D
+C-A. .@ >A+ +- +B@ >@. CD@ - +B@ +C@ ->C@ ;P;<
-0 *&' 8!>C+@@ (L;P 5-C @. CD - ?G,G AD -C
@. CD - ?G E-DG ;PLM A 7 2 " >CA@C ! , 0 ,(
5%& 8;KKN(;L< 5-C @.> CD - B , @ E@ GA@ +-
,@ J@ C-? G@ EC D.@ ;PLK . &2 ONL< -
>@. CD@ - +B@ > + \ GAA@C J-AAG B?@A+ SPQS A
! GA@ $ -) , 2(,,0 8;K<M(OKP O-S@ -C +B@
E@,,@ C-J@ +- C>A A -C @. CD - +B@ C-J@ ;PKP
9 7 +C2 , &!$ &"(C S =LE2 B@ +C@ + -
"@,,@ J-A+2 -C +B@ @. CD B@C- +B@C@ C@ O +C-A.
+,@ O O& , 0 !!" OP< G-> D- .B+
A @. CD - G->C >@ OMON : 9 . & &'
;L 2 ,G@+B ?> B B@ A -C @.> CD - B
, @2 $;MOP " - $2 8;MLM(L< - C @ -A@ B-> @
-A C@2 A @. CD - +B@ A@ .BE->C B-> @ ;MM< = "
.) &1 & 0 8!>C+@@ (;K O>+ +B@ U A.2 E@ A.
-A +C A@D -C +B@ @.> CD - B - A@, @2 J @D +B +
+ ,, E ,, ;QOQ . .) * 1 ' , &C@ OL " @
-C +B@ ! @.> CD - B @ -?J@,,@D A B .@2 +-
,G A+- " .B @C? AG OK=K B.) $ (') (; >
;<Q 85-C? - J-, Ga2 - ? U@ @ @CG @S@C+ -A A +B@ C J- @C
T -C +B@ D@ @A @2 @.> CD2 AD C@ - @CG - +B@ JC-J@C+G2
+ ' $%)$ A @+G -C @ >C +G 1 (
, ;==N ?) 8 ! (=MK 5-C+- U@J@ +B@ +- A@ A > Y
. CD@ C-? >C@ @A@?G ;=QO L &!! &%C$! ((P O
B@ @ D -??@ - ?-A@G2 +- E@ J>+ A > . CD) ;PPL
) > $0 2 ' 0 8 CE (LN 5-C+C@ @ B@C@ B ?@A
? .B+ ,G@ A @. CD@ SMXS . U !))S SS OL 7 +B
?@ +B-> B ,, E@@ A @. CD2 OM=O : = Y V 0
,&' 0 ! $= B@ 9 A. ->.B+ +- JC- D@ +B + B !>E*@ +
B @ +B@ C J .@ +BC->.B->+ +B@ $@ ,?@ EG ,, B .B
G@ A @.> CD

)D %> +-DG -C @ U@@J A. 1 (
$/A D 8 CE (;;O B@G J>+ ?@A A - B@
@. CD@ B + +B A BG,@ +@C CD@ B@G E@ >C@
+- .- A- -C+B@C2 ;KSQ -! B) A C$ (1$;M<L
B@ @.> CD - +B@ JC -A@C B D -C . A ,,G E@,-A.@D +-
+B@ B@C

O &C-+@ + -A -C @ >C +G -CD@D EG J@ @D
J@C -A 8-C +B A.(&BC ' -C) ' = + $% Q
)$ &%0 - $ -C 1 0

O=PM ' 3 $2 - 8! ! (OLK B G C ,,
A +B@ JC-+@ + ->A AD , @. CD@ - +B@ J J@ O=) L"
&* 8;KKN(L= 7 B- +B +2 >E?G++@+B BG? @,
AD@C +B@ >@ . CD -C JC-+@ + -A - +B@ @>G,,@ %;=<N
C& &' 0 LMM # >C -CD B @ G-> A " E, D
> @. CD OPMO ($! ' > ' 0 ;; ;LM 7 B-?@
E@ B D C@ @ >@D A+- B >@. CD2 > +-D @2 AD JC-+@ Y
+ -A SM-- ' ..) " SSS SS QK< - -?? + +B@? Y
@, @ >AD@C +B@ JC-+@ + -A AD @. CD - +B@ $-? A@
OMLO 7 8 $ 0 A K=2 D@+ A@D ?G @, @ AD@C @Y
.> CD - +B@ %,-G +@C &!) " & % $ ' e ;=
8 M+-(;;Q ^ 7 @a +B@C@ -C@) B->,D +C@ ?E,@ +- @A+>C@ -A +B@
J@C , @ +B@C - D G -C A .B+ +B->+ E @.> CD OQLO
)) .& OOP 6 AD@C +B@ @.> CD - +B@
-,-AG - +B@ C A + -A

E & $')*&' &' > $%)$ F +- + AD -A
B@)D@ @A @2 +- D@ @AD -A@' @, 1 0
;MN< 1! 7 . 8 ' 2 0 $- ! $ (OLM AG
&C A @ @C@ @>@C -C @D +- + AD J-A B @ .> CD2 AD
@A @ B ? @, @ +B @

> C A+@@ - @+G -C @ J .@ . @A EG
J@C -A A >+B-C +G @ -AD> +2 ')$ (
-A +B@ +C@A.+B - > B .> C A+@@ 1 (
I ;LQ= B & O;; 8;L<(AD B A &C ?
B >@ . CD@ @A+@ B@?E D->C +- +C- @ +C@>.B+
@A+@ , O=ON) 7! - 1!" &%<& X K 5-C B@C@
?G >@. CD .C >A+GD2 G A +B + - + B@ -?-A,G
B >A+GD ;=LL &!! &%C$!0 2 =QP O @++@C - @
-AD> + AD @ . CD ;POM A H& *0 (0
& - -(JJ =NO AAG ? A ,, -A @G B ? ->+@ -
+B@ +- A >AD@C AG C B? A ^Ba , @ . CD@ -C A.@
$ OPMK , &! -0 ;; 8 CE (;P= " @ +--U@ B J@AA@
AD C-+@ E CC A+ - >@. CD +B +B@ @ ?J +.--D,@

-CD@ 2)$ $ & &, ') 0 ;P<= 9 #'
C 0 " - 1&!0 e =P 5-C +B@ @ @2 @. CD2 AD J .@ - +B@
AB E + A+ - +B@ D +- A@ 2 ,, .@ ^@+ a OP<=$.
(&" ! &" K %C > , A@ B@ J C, @D-A @Y
.> CD OMNQ & 0 A < # A @. CD E@ ?@ +- ?@
+ E $0)0 8!@@ I>-+ (1 (
OMQN . B $, 0" $% 3)$ 0 !@@ $! $3 $ $0
$! $ <)$ $" &C-+@ + -A . @A EG +B@ 9 A. +-
+C A.@C2 @ C A. +B@ -,@A @ - -?@ - B !>E*@ + 2 -C
@@U A. " $ .B+ EG ->C @ -

! J@C? + -C @ J .@ b 6-" (B (0
, -2 .> CD -C@ -C+ .C A+@D -C+B@ ?@ J>CJ- @
;MLL 66) 1C$,0 10 ; S QO 7 B@C@>J-A @ -AD
@++@C +- .@+B@C +B @ .> CD @C@ D J + B@D >A+-
B ? OM=O $0 &% $ - " X $! 5 =E2 7 B- -Y
@ @C B ,, JC@ >?@ +- -, +@ ! @ .> CD2 B ,, D @ +B->+
?@C G2 $;MQ= .) 0 1(e ;<< ! - +C> ?J@+
@A+ +- +B@ @ C, - @S -C @.> CD -C J +- +B- @
+ -,-CD OMKQ 4 8 $ ' ' E* &$ 7 U ;QLN Q<
7 +B->+ C+B A. - ?-A@G AG->C J- U@+ 2 .>D@ +- -A
D> + G-> -C @.> CD +- JC-+@ + G-> OM) $' 0 < O0
- OLKN L B@G B @ A@@D2 -C +B@? @, @ AD ;NN &@)
-A 2 - & J-C+ AD ! @.> CD +- E@ @A+ C-? G->C
C?G OKMN 9 . ' & (' '$ ($2 e ;=Q 8;KQP(
;KL & J-C+ AD @.> CD 2 -C @ ?D> + 2 C@ ,@++@C
- JC-+@ + -A2 +B -C +B->+ A) -C+* EG B B +B@
J@C -A - A @A@?G C@AD@C@D A -, E,@ OKMO 7 " 2
B .. A - M :>A@2 ? -E, .@D +- @@ ,, +B + A
E@ @@A - +B@ !->+B + -A @2 AD +B@A2 C?@D +B > B
@.> CD A JC- >C@2 +- ? U@ A @ -C+ +- C@ - @C
+ ?G -??>A + -A 2

. CC A+ .C A+@D EG ? ,+ CG -?? AD@C
+- JC-+@ + J, @ C-? J ,, .@ , -2 .> CD -C
D@+ B?@A+ - -,D @C @A+ +- JC-+@ + +B@ J, @

OQNM .. 1 8@D 9@C @G(2 $% 3<)$ " A 3 ,+ CG Y
C 2 &C-+@ + -A . @A EG &C A @ -C B @A@C ,2) +-
-?@ - +B@ A@?G' %->A+CG2 +- E@ @ >C'D C-? E@ A.
C .'D EG B 3 @A -C I> C+@C A. +B@ ? , - !-,D @C ,@ +
A > B &, @ -C +B + &>CJ- @ OQNQ $' 0 $O(-
=LQQ O B@ &C A @ 2 +B@C@2 AD B D ! @ .> CD
.C A+@D B@C -C +B@ &C-+@ + -A - +B@ &, @2

3 J U@+ -C ->+J- + - -,D @C 1 (
OMQQ &' 0 <$ 0 - ;OLK = B@ 3 C@ B , D' " >? @C@
B ,,@D A ,, B ! @ .> CD 2 AD > @D +B@ OC D.@ -A
+B@ % A , +- E@ + U@A >J OQNQ B .. ? % !0 8;KPQ(
;<P @AD- ? B ,,@D A ,, +B@ @.> CD C->AD
B ?J

2 '0 ! - ?@+B A. +B + - @C @ >C +G C-? D AY
.@C D@ @A @2 JC-+@ + -A - B @ ,G A ?Y
? +@C , JJ, + -A @ . ,@. , JC- - -C
+ J>, + -A @C A. +- JC@ @A+ -?@ @A C- B?@A+
->C @ - + -A2 B E + -C @A+ ?@A+2 +@AD A. +-
JC-+@ + +B@ >E*@ + . A + -?@ +@?J+ + -A -C
+B@ , U@ 8 B@ B @ >CC@A+ @A @(

O=Q+ 1. & - *0 !, 0(*0 & 2 0 A B?
;MPO(;N< # " -A-C E,@ -CD2 B@ @. CD - A., AD2
\ ? GA+@GA@C - C .B+ ;POL = , (2 7 U =Q
B + C@D ! - A +> CG2 +B + B +B E@A@ +B@ @. CD@ - -
? AG .--D ? AA@ , @ OPOL - U) 10 e SK B
? ,@C - -,DGA.@ B ,, E@ .C@ +@ >@. CD@+- +B@ B@J@
-C C-++GA.@ OPQL 3 3&.0 *%) ?D@A(LO
7 B + B A. D- A- C@ ->A+ - @C A @. CD
. A + ,, A >?EC A O)= $ (8) +(B@ @Y
. CD - ! ,@C 2 -C .C@ + $>++@C SMS- ' ..) $- 'G
? (8;MLQ(QN; ^1-CUa A.>, C @.> CD AD -CA ?@A+
E-+B2 +- ,, +B@ -C+B V C+ OML= $ 0
" - A@ ,->C B @.> CD OQQM < , !0 (
S 8;QKO(L<L B@ C J- @C+G AD@@D E@ ?@ A DD + -A ,
) @.> CD +- +B@ C AA- @A @2 OK=< = B. 0 ' (
=L -A@ @.> CD -C J>E, ,E@C+G @C@ D@ @D
OKMK - & - 0 &'D0 8;KQQ(S =OP B@C@
+ ,, >C+B@C C@ -A -C J, A. -?@ J@ , @.> CD -A
+B + E-CD@C) OKQ= 1 &) ' 1 $ " 8;K<O(
OP; D? C E,@ U ,, - @SJC@ -A A- C@ ,)@.> CD
. A + ,- . , E,>AD@C OK<; $2 - 4% =;< O B@
-,D), @A @ - +B@ O@A B .C AD @.> CD - +
D .A +G2

O A ->+@C U C+ -C J@++ - + -CA 1" -?@A
+- JC-+@ + +B@ C DC@ B@A C D A.2 8!@@ , - I>-+
;QNM (, - 77) Q! 1 (
;PKP ' 7 %) ') G & - ' ,!(;MQ -)R"((O0 U AD -
C G -C ++ C@ C@ B A. C-? +B@ A > ,, D- A@ +- +B@ @@+@2
EG +B D@ C J+ -A , U@ -? A @. CD2 -C E U@C
;)KK A B-, C & (A(! O0%;0 ` #;+ L @. CD
+B *E>J -C . UGA - +@ - C@ >,,-C@D ++@A OP<N
-,0 !! 8%B@+B ? !- (OL 3 G ,-)'@ AD @Y
. CD@ OMNK * !& % - &' &' 8!+ .@ / C@ +(2
B@ .@A+,@ -?@A A ,- U@ AD @.> CD@ SMSS Q)"
/ # \ &$ ' < ! ; / ;2 A+@C 3 -, A
C@@ @ ,@CU A AD E, U@ >@. CD OQNM .. 1 8@D
9@C @G(B@C@ , - U AD - / > + .- A2 -C >JJ@C
C?@A+ -CA EG 7 -?@A2 -??-A,G ,,@D
, - -,->C@D !+> JC-A2 AD -C+ - ! +B A. O AD
-C G->A. %B ,D OQK< ** ' 0 &'0 A ' '0 0 OM=
" E +@D A ,-- @ B +@ .- A 2 +B A AU@@A @.> CD

!$! ? , C,G $ 1(8 @@ I>-+2(
OKOO ?!$,. 0 $ (4 M< 7 +B @ .> CD B ADU@C)
B @ 2 @A @,-J A. B@C +>CE A2
2 ,,@.@D +@C? -C -?J AG - J-C+@C
O=KM ?.0 0 !1$ *2 ! @. CD@ - &-C+@C

;N A ?@ -C C -> +@ BA , -A+C A @ -C
@A >C A. @+G

SKXK *& ' $ (KL &>CD@G & +@A+ ! @.> CD2
+- JC@ @A+ +B@ D@A+ ,D B C.@ - .>A OKQP : 7
(%)" $%)$ [0$($)$ P + B -C
C- A.2 1(-A+C A @ ++ B@D +- ,- -?-+ @ -C
+BC- A. +-A@ AD -+B@C -E +C> + -A - +B@ +C U
;; A ?@ -C +B@ ?-A +-C , X CD - ?@C
^ +@C 5 $) $ -C +B@ -C . A - +B@ JJ@,, + -A
= 1(P2 !B N&&!0 O;P 8;KNO . @ +B@ @I> Y
,@A+ !J $! $)$ $ +B@ !->+B ?@C >A ?@a
OKL; 7 '$ (OMN B@ ?@C A @.> CD OK=O
C ' '" ",!(4 4 =M< QN OK=Q < & > " , '$ (
OKK O ! @ .> CD = B) +(

V

(?-KE(0<' 8) . D(2' (' ^ ' JC@ ' E' %
5' $) $ (B B' ++C@' AD' " +X / C? ' ,'
'I'A@-,-. ?@'L' $' 0' -' U@@J' @ >C@' C-?'
D A.@C'-C' ++ U' '+-'.> CD2' JC-+@ +2' D@ @AD' - '
B @,G' +B' ? ? +@C ,' -E*2' 8@ . ' A+@C@ + 2'C .B+ (
;=<=' - ' &L)' ' SS S' O;' OC@AA@ ' GA@' +-'
! >@. CD'BG? @, @'EG' ,G.B+' ;PN;') ' ,0'8 KKK(P;'
!> B@' +BGA.' ' ? G' @. CD' BG?'G' ' E-CA' A' A., AD'
+B +'B@' B ,,'A-+'E@' > J@ +' -C' ' !U-++' ;PM;' <& "'AL'
;Q' B@' F>@A@'?> +@' >@. CD@' ,' +B@' B-,@
JC-> A @' W/O&' M ' +C' ' !' &"' ;;;'E' 0> ,D A.'
A'+B@ C' ->A+C @' -C+C@ @ '+B@C@EG'+-' @. CD'+B@'+C U@'
-'+B@' +' ;MSM' B 6.' , ' = ' &)' "' $ -'M='
"@ +'D-+B' @. CD' AD'+B U@A'+B@'3 ,U@' ;MSQ' '
>. 0'8;M;< ON(' ;;)L<L' B@' ,,'-' :@C B-' ->,D'A-+' @'
. CD' +' C-?'+B@' A -A' - ' :- B> ') ;M;<' 7 '
5*0' X 6 0'8;MLN(PP;' OG' >- D A.' ,,' B@ @ 2' @' @Y
. CD'->C' ?@' $%J&' ' ' ' $ 0' ;M<' B@' - +'
!' @.> CD@D' C-?' AD' AD' +@ ,+B'EG' 'D@ @A @' ,
O%>/' ' <&! 0'V "'7 U ' ;KMQ' '=K<' B ' A.@,' @Y
>C@D' AD' @.> CD@D'+B@?' ,' +B@' G'+BC->.B'+B@' ,Y
D@CA@ 2' 5N) 'OL' : A'<'P2' ' ?' @CG'+B AU >,' +B +'
+B@ C'^?G'D@ -A 'a' -CC@ +A@ ' ' @.> CD@D' ;KKQ' $'Q
$ ' ;L' 3 G'P L' ' -?JC-? @' , >, +@D' +-' @.> CD'
5C@A B' A+@C@ + ' ;KK<' '0' 0' # + LO<' -C' ->,D'+B@'
+C--J 'E@' @.> CD@D' . A +' ' >CJC @
'E ' -' @AD'-C' -AD> +' A' @+G2' 1 0
;MNM' < '9 Y) V ('") ' 'S 'ML'E2' /@?@+C>'
' @. CD@D'B-?@' A+-' . J+2' @>+ U@'&+-,-? @' -A)' AD'
3 @A@, > 'B 'EC-+B@C'C A -A @,@ @' SML=)' ' '
$ 0' L;)' 7 +B' B ' C?G' +-' @. CD' B ?' +-'+B@' 9 A. '
3 @+C-J-,
"@A @' ! @.+ CD >.' 1 ' 10' AD 2'$0' , -'
! '@ CA CD@C
$';PSL' - ' &'0' '=ON' 7 B@C -C@' A' @ . CDGA.@'
-'BG?' @, @2'B@' ,@D' +B' ' ? ,' -?J AG@'+-' CD@'7 ,G '
' ' ' &-%0$ 0' 10' .'L'8;PPL(' 'E2' 3 G' +C@A.+B'
AD' ?G'JC G @' '->C' -CD@2'B@' E +B@'E@A@'?G' @. CD@C'
L%AO' X ' -0' P' B@' 7 + B?@A' 2' B-' @C@' J'
J-GA+@D' -C' +B@' @. CD A.' -'+B@' %B>C B' $%/' ' 8
-*$ &'' ' ;PO' 7 @' C@' CC @D' +B@A'+-'+B@' >??@' -'
+B @.> CD A./>+G' !$' ' ,&' !'
4 4 'MLM' B@' 5C@A B' +C--J 2' B @' S@@A' -CD@C@D' +-' -AY
@A+C +@'B@C@' +'-A @2' -C' +B@' @.> CD A.' -'+B@' +@CA ,'
% +G2
(?- 74<' ^ ' ' .)' _ ' &' &! D]' '
J, @'- ' @+G' C-?' ++ U
>!"' ' 8)' 0'8;KS;('LLO' B +' ? ,@ D A.'
@A+B> ?' B B' ,@D' B@C C' C-?' +B@' @ B-,D'-'B@C'
A + @' ->A+CG' $ A "&+' ' 0' ,& 0'8;KM=('LN='
B@' B ?E@C A -??@A @D' +B@' C'EG @ >C A.' +B@'
+C-A.'+- @C'- 'O, +@C ' -'+B ' @B-,D'+B@ I>@@A 'A- '
C@ -, @D'+-'C@+ C@' ;K=L' >?)&% -V ' %0') ' 0' &-@?'
8;<NP(OLK S' 5C-?' +B ' @B-,D' -' ? A@' 7 B@C@' E>+' +@A'
+B-> AD' /C> @' @@U' ?G', @
(?->J--L-0C' $ >0' ^ A@S+a' 'JC-+@ +-C
S MS ' (' $! ' ' 0' '&C@ 'OE2' !B@' >C@D,G'
+C> +@+B'+B +'B@' 'B@C' @U@J@C' AD'D@ @AD@C
(?- J--L K' 1!0' 10' B@' + -A' -'U@@J A.'
@' JC-+@ + -A2' JC@ @C + -A' '@A +-DG
;=LO' &!! '&%C$! 0' 'L<N ;' 5-C'+B@' @'U@JGA.' -'+B@'
!@@' ;PKQ' A' 5@> ,,@C +' ! 'F' !00' 8;<N!(LQK B@'
CC A.@ 2' EC> B A.@' '\') , @'U@J A.@' -'+B@'C-E@' ;QO;'
! $1&) ' -0' 'S 2' ;OL' 'A>?E@C'- 'J@-J,@' @C@' A'
E- +'+-' @@'B@C' B@ G' -C'B@C' +C->E,@2' @@ A.'B@C' . -'>AD@C'
@ U@@J A.' ;KK=' $', 0' 5$' 2' '/@ 'P ;' "@' '
,, A.' +-'J G' -C'+B@' @ U@@J A.' -'B ' @'?' /C' 7 '
) ,>?
(?-4+' $ 0' ' <]' 3 / < b
3 /] b' S / 2 $) / / =,&-*$ (
3 / .' /] b' 3 2/] M' 3 2/)b M'
2 / M .'D' < b' /] b' / 2) /
/ 2/ 1) '. 2/] M' 2/ M 2) /
2D' < M' 2/] b' /) . 2/
2/ ') . /] :/ 2/ b' 2/ K$ '
$(a' 1' 2a' , ' $
' 7 +B->+'B C?'-C' A*>CG'- -A@D'-C'C@ @ @D'
+@A' +B' @CE '&',&- ' (& ' (. * ' (AD'+B@'
, U@2' B@C@' +B@' D*' ? .B+' E@'> @D' 8 @@' 6 '$((
$';LNN') & ' 0' =<==' @D@' ,V ?' >>@,+' < >0' ,G2'
$ (>@,Ga'+-' , AD2' ,';LLN'$' B ' &' (' $,
8$-,, (' MMOO' ! >@,,U@' B@,D' V@G' :V@C' +@, ' \'+->A ' ;LQP'
B '?), ' ' LP<' B@' I>@GA ,G' -?@)'+-' +B@'
+@,,' S= V)' 0' !! '8;KKO(==' AD' , -'+B +' +'E@' J>+'
A' 'E ..@2' \' @, D2' AD' ,G'U@J D' ,'4==N < ' " '
M=PM 1@' B ,' @, G' -?@' AD' @,G' .-' ' ;=PM' '<
' 3 ' $2' '8! '! (;QK' " - ' >,D' +B 'E@' ,,+
' > -ADG+ 2' B-+' ' +B -ADG+@'+B C' ? +@C' '>,G'
AD' >C@,G' ;PO<' 8 ' !!' A' 3@CC ? A' % 'e'
0' 8 #O(' PK' ,' +B@' B B' J C @,,@' - 'J, +@' AD'
B-> @-,D' +>' ' ,' B ,E@ @,G@'U@J+'+-'+B> @'- '?G' D@'
!--AA@' C@.-CG@' $';PLL')' ' &''SS 2' PK' B@G'
CG>GD' >@,G' +'+B@'J-C+'-' ;' @' ;M;L' '0' ! !(
' 'QN' -D' @,G' I> +'B@C'- 'B@C' 0>C+B@A' ;ML' ' 8 .'
*>A, !0' ' ,,, @'@ C+B'E@ A.' @,G'D@, @C@D' C-?'+B +'
+@A' ;QML' 9 B ' A' 0' =') ' 0'8;KN<('
LMP2' 'B-J@' +B ' ,' AD'G->' @,G' C@+>CA@D' ;KLL' 3 '
' ' &%' , !"%' S, ' B@G' @C@' @,G' +'B-?@'
. A' +B@' ?@'@ @A A.' $ I' . B7 'C& - (@+' 8;KM<(
'OL< 1->C' C+ ,@2' ?@' @,G'+-'E AD' ;7 K' . 8 .
0'8;K!;(' ;M<2 @AD@'+B@'%-A+@?J-C CG'$@ @ 'EG'+B '
J- +' &C G' ,@+' ?@'UA-' '+B +'+B 'C@ B@D'G->' @,G' ;K<;'
$2 ' %' '4 % '=M; 0' !B@' A'+B@'+C A2', >,,G 2' AD'
+B@C@ -C@' 'D>+G' ' +'>J-A'+B@' -?J AG'-' CCG A.'B@C'
@,G
n/ ' A' ' ? AA@C' C@@' C-?' D A.@C' -C' B X CD'
@ >C@,G2' +B->+'C U
;O<Q'$ '< . B '8$-,, (' L=Q8" D'3 ! (' @'?- @' > ,G B@'
)@+'B-,G'EGA.' 'B@'D>D@' >-A.@' CSL--') &' ' MKM'
O@ +>S' ' -,>@ ' !P' B@J@2' ! >>@, ' <& 0' > , 2'
$ %0' >@,Ga' ?-.B+' HL$f ?@A' ,@J@' ;L<N' < 8 ' &'%03
' O=!' AD' +B AA@' B@' ? G' > B@'GA- B' " ' #S@A'
G-U@' A+-' +B@' J,- B ' ,';=NN' & 2!$' ' = ' T0' ;LMO' B@)

?G.B+@' A-' J@A' B ' ?@DG' CG @2' !-' ! @,G' ' B@'
D .A+@' ' ;L<Q' ' ,,!0' C&!(' S ' e' ;O' C@' @'
A-+' B@C@EG2' D?-A B@D' B B' @@' ? G' @,@ +' ,@ >@'
A+- ' ;M<Q') ' 0' < & (A' KLQ' -C' @,G' ->'D'
+B@G' B@ C' +B@' ,@@ G' !+-C@' ;QP;' # ' $ -1! ' -'
;MO' '=' - '? A' A' @,G' D-' +B +'EG' -+B@C 2' B B' ? .B+'
E@'D-A@'EG' B ? @, ' ;K=<' = B. ' 0' ' 0' ' 'ONP'
"@' ->,D'A-+' @,G' @A+>C@' +-' ->+C .@' ,,' B ' &C-+@ + A+'
>E*@ + ' +' -A @2' ;KK=' $', 0' 5$-0' 0<' 3 G' = Q' B@'
D@? AD' -C' D A @' ,'@S @@D '+B@' >?' B B'+B@' !+ +@'
A' @,G' -C' -A @A @A+,G' ,@AD2
E ' 7 +B->+'C U' -'@CC-C
,'4LPN !!0' C$! - 'LNP;' O>+' > ,G'HLH' ? G'^a' @G@' \'
E@' -)@'JC->@' ,' ;LKM' B ' $'. !0' 0'LL'5-C'-'+B A.@'
C@ 2' > ,G'D C' ' @@' LJ ' < 8 ' &'%0' 'LNK O-+' 'D C'
> ,G' ? U@' A' -+B2' 3 ' , D' ' ?@'A@ @C@' ,-+B ' 4POL'
' 8 7 ' *!"' &' %' ' 20' ;Q' "- @' A'
@'D-@' @,G@C'+B@A'+-' -,,-' +B@' J- +,@ ' >+-?@ ' ;M=Q'
< 3 ' &-$'' &&' ;NL' B@C@ -C@' @@' ? G'+B@' , ' +
. @' C@D +'+-'+B@?' ;QSN')) ' $! ' -2'OPN'6' 2' ' A'
@,G' G2' ' +@D' -CD A.'+-'+B@'E@ +' -'?G'6 AD@C + ADY
A.' 4KOP .)7 ' ' %0' 8;K=K('OM !> B' '-A@'
8 @, @ +' J-U@A' -'EG' +B@' A@>+@C' JC-A->A(2' ;KQP' 2' 7 '
' 77 ' ' 0' E(' 0' SSS 'LOK 7@' A' @,G' >?@'
-?@+B A.' ?-C@'+B A' +B
i' L' A' @' -A A@?@A+' -C' > +-DG' 1 0
8;7#8'?) '=0<' ,'B ' JC -A@C ' @C@A EC->.B+' A+-'+B@'
->C@' - ' -AD-A2' +-'U@J@' B@?' +B@C@ GAA@' > ,G' 4!NL'
-(' 0' '8$-,, (' OMK B +' B@' B>,D' C@ G @' AD'
@,G'U@J@' +B@' D' C@E@,,' SM-S ' !! ' !!' '
4N=' , @'U@@J@'B ?'D CU@' AD' @,G',- U+' SMSX' ? ' '
[(OL'%B C. A.' +B@', G,->C'+-'U@@J@' +B@?' @,G'
' 7 +B' -A D@A @'-C' >C A @' 1 0
;MN<' . '8/-> G('O'V ' 'S ' %-??2' 9 A.' / D'
' B@C@' E> @D' EG' , @' A -C? + -A' '+-' B B' B@'->.B+'
A-+' -' @,G' +-'B @'.@ @A' C@D +@' ;MQ=' 1 ' '&%'
,$' 'PK' / A.' +B +' @,G' AD' C@ -,>+@,G' B B' -+B@C'
++@?J+' + ? -C-> ,G' AD' >A @C+ A,G
(?- -==' 8!) A@ (' Y" V' B@' I> , +G'-C'
+ +@' - 'E@ A.' @' 8 A' C -> ' @A @ (
') & ' 0' ;KQ=0' 85 C (J@'+-J@C'^? Aa' ' -?@' C '
B@G>@A' +->C@' J +'EC- +' >' >@A@' \' - ->C@' %;==N'
C & -*0' C$ (' ==N O ! A@ @2' -C' , G-A2' $! $ &('
;PLN' . 7 'OMP O' ! @A@ @2' $) ' 4MNQ = ' $ $!('
'8;M;Q(M< O@ D@' '+B@' @A@ @' AD'A-'D A.@C' A'+B@' >C@'
SM -' ' .. ' $- '>' ? 0' 8;MLQ(MP;' @ +B@C' '+B '
" @A' ?-> ' -C'+B@' @ >C@' @A@ '+B@C@- ' ;ML< - B. . '
&!"' $' ;;;' S ' 8;M=N(;LN' B@' A@ CA@ @' - '+B@' G' '
+-'E@'?@ >C@D'A-+'EG'+B@' B-C+A@ @'E>+'+B@' @A@ @' - '+ '
;MKL' L 'C$ $* 0' (' ('O ?' ' 'L' B@' @' - '
B, A +@C' -C' O B-J' 'A-+' ' @' - ' @2' AD' D,@A@ 2' AD'
! @A@ ' ;MKK' B ' -0' S"' 8;M<Q('P=M ' ' 3 A'
B->,D' -CE@ C'B '5--D2 2'+,,'B@'B D'! @A @' AD'%@C+?A+G'
-'+B@' ! @A@ ' - ' B +'B@' ' . - A.' E->+2' B@' ?> +'
+ C @2' AD' D@' / J>+ A.2' SK)' * , $ & 'OK' /@ 2' "@'
?> +'E@2' C +'- ' ,,2' ' ? A'-' >C@'*>D.?@A+2' -C'+B@' J>E, '
,,'A-+' +C> +'B ?' ,-A.2 +B@G'D @CA A.' +B@' I> , +G' @' ,,'
' @A@ '"D@ C,G'@A->.B
! @C2' -E ' -C?'- ' 3 B !' 3 B
! @C' ,0' f' &%$ ' D ' @@' !-2
! @C8@2' ! @C G2' -E ' ' 11 !' 3 '
! @C@A,2' @CA@2' @C-8>(A2' -E ' ' 66 '
(?-*+' 8) +(' 5-C? ' L =' > @+@2' +@2
= P' @+@@2' @+@2' +@2' G+@2' = M' @+@2' P'
, @+@@2' M' +G2' , @+ @ ' = P' +@8@2'
+@2' 8P' @ +@(2' = M' > +@2' P' > ,0' +@2' M'
,+ @2' @+G@2' >, + @2' >, +G8@2' > +G@2'
> + @2' @ , 8@(+G2' ,0' + @2' M Q' @+ @2' + @2'
Q' +G2' M @+G' !P0C(' $) E , 0' $! ! !+(0'
D')@D ' $! $ 3 -(' $! 3) ' 6 '2 % ' &C'
$! $%"' $)1 !$(!J' $! $ D]
! AA@D' EG' !J@A @C'8 AD' A' !B U' $-0' ' S' F I (' '
+C G,, E,@
B@' + +@' - 'E@ A.' @' @S@?J+ -A' C-?'B>C+'
-C' A*>CG' C@@D-?' C-?'D A.@C' &BC' '' $% "0
&-- ' &%' $% " ' 'E-DG'- 'OL' ?@?E@C' JJ- A+@D' A'
+' ;MP<')B@J C, ?@A+ CG' C?G'+-' -AD> +'+B@' .- @?'
?@A+)-' A., AD' D>C A.' +B@' A+@CC@.A>?' -,,- A.' +B@'
JC + ' ,'D@J- + -A'- '$ B CD'%C-? @,,
;L ' !c' 0' ' ('C0' O'=K<' J +' 'EZ GA.A@'- ' >G+@'
E +' @AD@' B@ A' ->C@' ,-CD@2)' ;LQL' B '?- , ' A' ;KL'
AD' B@'@ +GC'B '?@A.*@'C D' AD' A + ,,' > +@'+B ?' ,@D'
;LKN ') -10' L=;N' J G'E>E' A' >@+@' ,'4=PN ' '
S ' OQO' B@',-CD@'-'J ,@?@' B ,,'@D@'+B@' JC G'+-' +@@2'
' ' . '8 C@ +('C 0' ' K 5-C' +' '+B-> -CD@' -A@,G2'
+B +' ? U@ +'?@ D @,,' A' @+G@2' ;L<N 1 ' 0' A(';;'
S ' ;Q' "@C@' A- 'E@B->@+B' ' @,,' +-' >G @2' AD' - '->C'
@+@' --D'B@@D@' +-'+ U@2' SMS' ' 'C & 0'S ;=' A' +B@'
?>,+ +>D@' - ->A @,,@C' +B@C@' @+ @ 2 ;MSQ =' '
0'2 O=L' 3@C B A+ 2 J @A.@C' AD' DC @C' -' ,- D@D'
% ?@, 2'U@@J A.' +-.@A+B@C' -C' @A +'+B@@ @ ' MS
' $ 0' 'S 'KQ' A'+B- @'+B A.' B B' -A @CA@'
+B@' %-??-A'&@ @' AD' ! @+ @' ;MP<' 9 ' ' -0'
8)PL('LMQ' ;M<Q') ' < & 0H 044 ' ,,' / A.@C'
J +2' +,@A.+B'+B@',- @,G'OC D@' A' @,G',-@ 2' +B'B@C' 3@'
-D ->' ' > D@' ;QQ)' 6)') ' (S 'E;KON(LOL' +' 'B '
D>+G' A-+' +-' B X CD' +B@' @+G' - '+B@'%-??>A +G' ;KPM'
%' : ') ' $. ' $- '< ' CC @D', +@' A'+B@'@ @A A.'
+'->C'B-+@,2' B@C@'+B@G'B D'E@.>A'+-'@A+@C+ A' -?@'D->E+'
-'?@ ' ?@' @+G' SKM-') .' ' '=K B@' ,@ +' JC@Y
@A @' - '? AD' ->,D'E@' > @A+' +-'J, @'B ?' A' @+G
C & 10' B@C@' ' @+G' A'A>?E@C
i'E ' ! , + -A' 8- '+B@' ->,(' 1 0
$';LNN') & ' 0' ;LN<L'1@@' U'B ?' 'B@'E@'J +' .-?'J +'
-C ?' A' >>@+@' >,D' -? ') ;LQP' ,0' 0' $' ' SS '
=0 $) ') +'LQM' -CD' B@ >2'J +'D@A.A +' -C@'->C@' +@
+-'? A@'E@' ,';788' &-0' & 'MKM<' 5-C'B@C' ->,@!' @+@@'
;MQP' = ' . 66 ')') -0' $ &''LO' B- @' B- @' .A-C A @'
A'+B@ @' ? ++@C 'B 'E@@A' A A E,@2'+B@G',@ +' :-'+B@' B AD'
-' -D2' +B->+'D@ , C A.' 'D@ A + @' # J A -A' @ +B@C' -'
+B@ C' @+G'-C' J@CD + -A
+ ' = >+' $% "'&%5' +B->+' D ? .@' +-2'
JC@ @C A.'2' >AB>C+' 1 0
4M;<' A' ' 0' =' < -0'8% ?D@A(' ;N' 4EZ' 9 A.' ?G' ? +@C

JC- @ @+B'B@' ->,D' A@ +B@C' +B' +B@' +@' -'B 'B-A-C' -C'
-A @A @',@ @'+B@?' +-'E@' -A >?@D'EG'+B@' -CD' 4MLL'
= ' ') D)$ "'HHH0' '8;M=;('=E2' ' ?' 'U AD@' -'
,@ @' :> + @C2 +B +' ,,'U ,,' AG'? A' +B2'?G' @+G2'
;M=N' . ' 0'C$, .' A' 2' B +' ' +B' @+ @' -'+BG'
@A @2' ?@S 2 3 .B+' +'+B@@
' ' ! -?@+ ?@'* 0' '+B@' @+G'- '?-C@'+B A' -A@'
J@C -A' 8 A' I>-+' ;MNP' ' f' - -A ' - ' @+G (
$%+/' ' $, 0' ' 'LN' @+' A-+'?G' ,@ ,-> @' 'E@'
G->C' / B-A-C 2 O>+' ? A@'- A@' ! @+ @ ' SM ' "' $
0' 8&@C G' 3 ! (' -D' JC- J@C' ,-A.' ->C' A-E,@' U A.2' ->C' , @'
AD' +G@' ,' ' SM) ' . ' $B%%1 0' =L<' -' ++@AD' B '
-C'+B@ C' - A' @+ @ 2' @ @CG' -A@' 'B 'J@C ,,' $'$>>&'< .) '
+C' ,$ & ' & - 0' & - 0'8;QQP('PP' O>+' + ,' '?-C@'JC@Y
D- ? A A+'C@. CD'+-'+B@ C' @+ @ 2' -E, .@D' B ?' +-' J@AD' ,,'
B '+ ?@' A' J>CC A.2' B ' - A' AD' B ' ? +C@ ' 'E@ +' SKS='
' &%' ! ' A'SS 2' - ,, A' '@@D ' ' B CD@C'
+ U' B@' @ CG' + B'+B@ C' @+ @' U
@ ' &BC' &' 1 ' $% "' &'E@' @' =%& +0' 1 (
;P<M 1 ' $! ' ' 7 U ' 8 ,-E@(' MOL ;' B@' C B
@C@' A-+' ?@ A E,@' +-' , @2' -@ ' +' 'A-+' @+G@' JC'
+B@' +- A@ ?@A' +-' , @' +-'+B@?' --C+B'+-' D@? >AD' +B@C@GC'D@++
'D@, @C A @' -C'C@ >@' C-?'J@C , ' 1 0' $ 8
L%[>' . ' , ,!0' ' 0' ' 'e'S-'S ' - B 2- , @C@D'>A+-
-D'+B@' C ' '+B AU . A.' -C' -'? C >,->' ' @+G
. ' ? !! $ 0' !@@' I>-+' ;KK= 2' ! &'$!! 1 0
'$ >J' ' ?!! $ 'LKM +' 2 - ' ->C @2' ' ? ++@C' -'
*>D.?@A+2' B@A' +-'J, G' -C' ' -C@2' AD' B@A' +-'), G' -C'
@+G') ;KK=' 7 ' '? !! $ ';O' 7 B@A' 'J, G@C2' A +@ D'
-'D, G A.' +-' -C@2' J, G' -C' ' @' -?@' J- + -A' A' B@'
B '-JJ-A@A+' ,,'E@'>A E,@'+-' -C@' A'B 'A@S+' +C-U@2' B@'
' D' +-'J, G' -C' @+G' ;K<Q' ! -0' <$O0' ;K 5@E'< ; '
OG' -?@' *>D . ' @+G' J, G'^B@a' > @@D@D' A'C@ B A.'
B 'J-A+' +B->+' ,,- A.'B ' -JJ-A@A+' +-' ?JC- @'B '
J- +-A
/ ' %,- @' > +-DG'-C' -A A@?@A+' 1 0
;LLK'$' B ' &'0'8;K;N(OLM J@' ? GD@A' D CD'
+-U@2' ,'B@' ' >,,@' >C+@G 2' A' > +@'D D'B C',-U@') ;L<O'
' &-0' =' 6)!0' ' ;KL' "-,D' B ?' A' @+G2' +,,'+B@'
&C A @' -?@'B +B@C2' ;L<P']' 6& '' ' ;PK' G' +B'
B ?' ?JC -A'B ? '/@ >@C'B ?'+-' @+G2
+ ' '?@ A '-C' A +C>?@A+' - ' @+G ' JC-+@ Y
+-A2' @.> CD' 0
%4LQ!' ,0' 0' $ ' 'SS '= $ $ +>5-C' J '
J GA@' J +'D-A@' '+-'?@' J@ > +@' -'?G' >,@' ,'E@' ;L<<'
&!! '&%C$! (' '=P; O' !G B@' :>..@?@A+2 - ' ?G.B+'E@'
@+@' AD' @>C+@@ ' -'+B@' 9GA.@ B@.B' + +@' $&>+' /'
= . ') 'S A' 'MOL' "@' +B +' >, C@D' J-A' +B@'
C- @ B@'E@' A+-'G- ' . --D' @AD>G+@' AD' > +@' ;LQQ'
O' < 7 ' 1$, >') 0' 0'8;PKM(;O'O@ D@2'+B@ C.@Y
+ A.' -C' @@, A.2' ' . --D' @+ @' . A +' GC@' ' ;PKN' A'
" ' &- '*0'5 (B@' D' &@@C@ ,,2 A'+G? @E@'? D@'
@CG' -?J@+@A+'B C' EE-C->.B'-C' @+ @'+-'+B@'%- '+?@A '
AD' ' ->AD' @+ @'+-'+B@' - A@' $% O"O+' 1. 'C&*0'
,&' ' % (' ;QL; OMN' B@'C' +! ,@+G' -'&C A @' AD'
!+ +@ 2 ,,' @' A' - D A.' ,'%->A ,' -C' /@ . A' - ' AA- Y
+-A' A' A @A+' AD' + E, B'D'5-C? AD' ' ;QSL'
. ' ! - 0' -'PO'LL='&-,+ ,'5@ C' AD' @C -A'
' '.@A@C ,,G'+B@' ! @+G' -' '&@-J,@' $>OJ' '3'
&' ' 0' LLO -' ,.B+ 2' A-+' -A,G'- '.C@ +'E@A@ +2'E>+' A'
E -,>+@' @+G'+-' ,,'A . +- ' -A'+B + ' - '
! '6 @D'A' + @' @A @' B@' + -A'- ' A.2
,0' &C-+@ + -A' E ' $% "' D%' >AD@C' JC-Y
+@ + -A' - & ' $% !"'&%' A' -CD@C' +-' @' -C'
@C+' 1 0
;=ML' A' 5 .0' &!! ' ,& !0' 'LO;' '& (' A5' > +@' - 'B '
,G @' %4=QN' ' $!!$, 2 0' <LK -' 'B ',G '+BC@'*@C'
B@'D>@,+' A'O>+ 7 AD C' +@' - ': ?G' +B A' ,-CD' !+@ C+2'
;PN=' A' $ (@+ ' '10' 8;KQ;(;KK' 5-C' C@ - @C A.2'
> +@2' AD'.@++ A.' -'+B +' ?@C B AD, @' 1 0($@+>CA A.'
C'+B@' > +@' AD'.@++ A.' -'+B C' D '?@C B AD, @' ;PMQ'
0'C ' &)' ,' ! ,& 0' 'PKQ' 3 G' -CD' $@.@A+' -C'+B@'
> +@' -'+B@' A -A @A @A+' AD'D A.@C'I>B ,U' @' ,GU@'+-'
-,,- 2@A+@C +' A@' @C AD' - 'B ' A' A' A., AD'
+'E ' ! A.' 8- '?-A@G(' 10' $ 'n
;P=<' '#' ' %'0' 1 %(20' (' /' '2 0>+' ' @ C@'
-A@'+BGA.@2' AD' +' ' ,@ +' -C' ' , @+G'- ' ,G+,@'?-A@G2'G->'
G,,'J>+' ?' B >A+CG@'&CG@ +@ 2 +-' >@'+B@GC'J@A+ ->
. ' B@' I> , +G'-'E@ A.'>A, U@,G' +-' @-C' - Y
-A' B>C+' -C' A*>CG ' C@@D-?' C-?'D A.@C->A@ '
@A@ ' C !.' $% "(+B->+' - -A A.'D A.@C'
-C'C U2
O>$>') ' = '7 ' = 7B' 0' &' ' 0' !!'
JC2 ' ?' @CG' @,,' + @D' -'+B@' @+G'- '+B@'@SJ@C '
?@A+' SK-M 0' 6 % !0' 4 2'LKM '+B@ @' A -A' A+-'+B@'
ED-?@A' A' E@' ? D@' +B' @+G' $ $%' B)). ' (
':>A@' A' / G' - 0' ' 0' $ "'8;KLM(;O' B@' @+G'
-'+B@', ?J ' @ ,G' JC- @D'EG' + U A.'+B@?' A+-' AG'J C+'
-' '?A@' B C.@D' +B' C@ D ?J' ;K<P' $!"' ' 0) @J@C'
= L2;' B @' ->AD' +'A@ @ CG'A@ @C' +-' .-' ->+' B--+ A.' +B'
' ? @, AD->' ', -'+- 'IG->A.' ?@A' C-?'+- >'>A+, 'B @'
B D' 'C@J-C+2' '+-'+B@'C' @+G' A'+B@' @,D2'
E ' !>C@A@ 2' +@ D A@ ' % &', 3' (
;K=;' 3 ' = 6)' A' ' +C A.@' 8;KQN('
;;<2;' ' ?2' AD' , G'B @'E@@A2' '@CG' + @'J@C -A 2' +B '
.C@ +' @ C,@ A@ ' AD' @+G'- ' '--+' AD' , ?E
M' A. A@@C A.' $, & ' -C' ,& %, '' &%'' $% "'
@@' I>-+ ' 8%' $% '!&$ (! C*0'$0' ;= (
SK K ' $' (' **0' , $' , 'e' O=Q'OQ=' 5 +-C'
-' ! @+G' C@' -'+BC@@'U AD' $ % ' ' $ ' ' '
< 'PM %-@ @A+' -' ! @+G' C@' A>?E@C' C@JC@ @A+ A.'
+B@'JC-J-C+ -A' -'+B@' >,+ ? +@' +C@A.+B' - '? +@C , '+-'+B@'
+C A +B +' A' @,G'E@'EC->.B+'>J-A'+B@?' ' 0?' 7.
' '),) ' ;Q' B@'C + -' - '+B@'>,+ C +@' -'+C@A.+B'+-'
+B@' -CU A.' +C@A.+B' ' +@C?@D'+B@'%$, & '&%' $% "' - '+B@'
? +@C' , '
2'C$ ' ' $% "'4 $1+M' +B@'-C . A ,' ' !I
B B' ' >CA B@D' +B' ' -A+C A @'+-'JC@ @A+'
A'>J @+' '+B@' E'+ ,+@D'>J' -C'D- A
4KP4 $ >' ' $ 0'4 'LNK O' " A -?' '& +@A+' ! @+G'
;KM=' 5 '7 ' ' $ ' 'OP' / -D. A.' +B@'J-, @? A'
E@B AD' ' & +@A+' ! @+G' S ' ?) ! ' ' :>,G' == ;' B@'
'& +@A+' ! @+G' % E'"2

[illegible]

3 ' $ 1 0 6 @D' @CG' C@@,G' A @' ,' ;KNN'

[illegible]

(?-*+) (4) -

[illegible]

(?-'W(0<' 1 0 ^7 b : a' ! @ .> CD2'

[illegible]

(? 4(E 8 L@)A(' 5-C? ' M' JB A2' -A2

[illegible]

(??470 *-' 8 @ ,-C +(' ' 0 ^ ' ' $X!& '

[illegible]

(??47W-0' 8 S , ><*(' 5-C? ' 'M' ,&)* !"'

[illegible]

(>?-*+ L R

[illegible]

/ ' B@' +B +,@ , U@' J, A+' $! $-) ' ' , &) (

[illegible]

2 / ' $ K$ ' PJ) -.' H +E=$L' #

[illegible]

I> A+ +G +- -C? A @,@ +> CG $ &+ ! - / $ (
0 > MQ=2 =2LON "@ @C C@ C@I> C@D +- G @,D -A@ ->A @
- C-A2 S)< #$A $'0 X& 0` S-MK B@ @ +.? +
C@ @ +B@C DC @D A +B@ ,-- @ + +@2 -C? A. " G! C-A2 -C
-?JC@ @D A+- ? @ 2 -A + +>+ A. % U@ ! C-A SKM-
< ($ $ $. ! C-A .C +@ >, DD Y
+ -A +- C @D2 E- ,@D2 -C +@ @D
C & 0* $ 0 4QQK ' B $ " : A 2% ,,@D
-A 0, 2 B- G@,,- C-A +B +B@* >AD @

E ' $' $%% &'(+>C?@C

)4Q Qd=S ",!0) - ,0 B@ AD A > @
+ +- DG@ +B@ C C @2 AD -+B@C --D 2 - G@,,- -,->C
B@A @ -?@ ,` + AD A C-A 4KQ= $ 0?& 0!>JJ, 2
$%% & " ' $' +B@ C--+ - C -> J@ @ -) ,) -$0

/ B@ >+>?A , %C- > 2 &,) $) (B B
JC-D> @ C-A

C = P &,(A 7C 7>, U@C M=P ;K &- '$ 1$)-H
, &,) (>CC->A S B 1$! *E2 %-,
B -A ECGA.@+B >C+B@ BG+, B@ ,->C@,GU@ A+- -CA@
A +B@ @AD@ - >+>?A@ 4PQK & & ' M
! C-A .C- @+E J,@A+ >,,G , - A -?@ J, @ - A., AD
AD C@, AD@ SMM. 3 . V$!0 & 0(>.2 8@D L(OL -+@2
+B + A., B ! C-A ? G E@ > @C@D +- + AD -C A C@ @
+- +B@ +B CD -C ->C+B G@ C O>>% 9 7 ? 0 C!$ '
8;Q<M(&,) &%% , '$! %-??-A -C >Y
+>?A , ! C-A ;QKL : C& 0 0 ;;L % A+ EC A
B ,, +B@ J>CJ,@ C-A B-

E 0 + CD ! C-A f M O ,,@D , -
?@C A2 / G@C' 2 % 3 - U ! C-A 3@ D- -C
7 ,D ! C-A2 &!, ,) - $)) - '$! (0 !JC A. ! Y
C-A2 ! C-A - +B@ !JC A.2 &,) - (
C A -C % J@ ! C-A2 "* $, &, $0

4P=K 6$ $ $ - &% 1 O< %A@ > ,,@D2 A
@A , B@ 0 + CD@ C-A -C ?- U@ C-A 1 0(%B-
B >? + ? G@ E@ ,,@D A @A., E@2 G,D@ C-A 4PQK
& & ' SS L= B@ @@D@ - 0 + CD@ ! C-A
E- +@ 8 "! <) 1$! SSS, ;OM A A., B
JC A. + ?@ ! C-A 2 AD @CA ,, ! C-A ;P)] $ $3
!&) 0 O &,) -) 0 0 O%% &' - +B@ JC A. 4!<K
.3 ?$ $) %-, B E A@ >,,
,,G2 8 7 +B > 7 ,D@ ! C-A($%%& 3 . V$!0 & 0
- Q< 5,- @C A &C ?@ A@?-B @ 2 3@ D- ! C-A
+@+ a %4Q;; & $ O) C 2% J@ ! C-A +B
UA-++G + ,U $>>% 9 7 ? 0 C!$ ' 8;Q<M(M<
!JC A. ! C-A2 -C %C- > ;KMM $ 0?& 0 ;NN= O ! C-A2
C A2 "C $, &, $0

B@ -C A.@ G@,,- -,->C - C-A 8 @A @ (

4LKL 9 . 6 $ - 0 W B + @C@A A>C!B D A C@ ,-
- C->A ^ >,. D) ') 1$') ', &,]0 $%+$
! G 1 !! <I I 1->C -AA@ ? ,@D +B 1 A J+
+ + @,,- +B@C@2 B- @ ,, A-> C-A -,D B >@ ? D@
,, +B@ AE U'D AD D- G G->+B - A + -A A B -,->C
;Q;)) * (- OMP J < >C-C C-E@D A
! C-A ;Q<K < 1 2 O;O - @ C,G2 @C@ +B@., DY
-?@ " ->C !+C@ C-A A +B@ J +B - C A. 3-CA 4K<!
$%) (E '&-@? LP 7 B@A +B@ >A -A @ ?-C@
A C-A +@J+

#$! - (f # E

SMKS +C ? ! 'G " 0 C " ,. A+C-D P= / C - +B@
3@A +C>>?2 + ,, +B@ ! C-A - +B@ -,D C@? A ,?- + DCG
4QN= : ' 5(,.'(2 $%% &' &% !" -C $ (
!@@ &,) $ (1 ((&,) $ ' ' (
? ' ' $%% &' &% !0 4QLQ =4 ",!0 2
! C-A , - A ?@ . @A +- @ @C , BG? , JC@J C Y
+ -A 2 C-? +B@ C@ @?E, A @ - +B@ C -,->C +- +B + - +B@
@.@+ E,@ ! C-A2 E>+ ?-C@ > > ,,G ,,@D &, 0 !> B
C@ ! C-A - @A> ! C-A - 3 C ! C-A - -,D
L>) +C $,D) " -0 LMK ! C-A - 3 C 2
4K= - (($%% &' &% ' -&'"(!@ I>
>,JB>C@+ - A+ ?-AG

. !B-C+ -C $%% &'1) %!" - & @@ O 2E
SK) : 5 1 $ $!(? (' , &0&3
'$, &, $'$0(H ! C-A SKL :2 &' * , (
?) %!(O B@ %,->D@D ! C-A * &!$ $(
5 EC, ? (

M $ 1(AD &-1(?J,@ ++C E 2 $%% &'
1)!1(,&!&) ($ (3. !'(& ' ') ' (" !!&2 8 D* (2

4L<K 3 ?$ 0 C0 (S S, 8;=<P(MOM %C- -
? .? ,,GD +B@ >J @ ,>G+@ - JG @CG - +B@ BG B@
C-A -GA@?@A+ ? D@ !!' 0 S S S KQL ! C-A -,->C
D @+B AD -,->C@+B B>?->C AD ,G ->C ?-C@ +B AA@
G+CGA@);==N C$!!$ 0 &') 1(. P=P - C-A
E>,, @ E@+B +- @++@ -C - @ SG). $ - 0 0
2 $%% &'. !'(9 ,A +- DCG ! C-A +B SG ! B7.
A C !0 $' 0 4 4 4 2 PQO - + U@ >J +B@ ! C-A "@ D
;KLL : ?) %!0 = 0 O 7 A. E- @
D@@J C-A G@,,-) 2

E -E*@ + @2 $%% &'3 $ >(J C GA+B@+ 2
$%% &'3,&!&) (>3) D*

$/& . 0(&,&)!$) (DG@C - C-A -Y
,->C@D . C?@A+@ S KM! / 1 =< S)) 8;MOO(ONQ O>+
8 +B@ &-@+ G("G?@A B D A-+ +B@C@ B C-A -,->C@D
- + S! ! ! - 0 $ 0 0 P; J@C+>C@ B +@2
AD +BC- + C-A -,->C@D O /% . 8;KM;(
=O B@) C-A . +B@C@C A +B@ @,D ;PSL B7. '
,<Q 7 +B C-A B@ + C>+@

@ !J@ , -?E A + -A C-A E .2 E
A B B C-A U@J+ P C-A U@2
8 [G U@ , ->C@D D+B C-A 8)(8 @@ I>-+
;KMQ2 2,$. $%% &' A @A @ (C-A -CC ,2
-CD , ? D@ +B ? C .-,D ,- @C 2 A>+?@. AD
C-A C-A C- > 2 +B@ &,) $) 8 @@
O(2 C-A >+ $0(+B@ D@ .A + -A - U AD
- +-E - C-A A-E,@2 -A U@ ? D@
A ? + + -A - +B@ - A + C-A > @2 > @
, ->C@D +B C-A C-A +@ 2 A A > -A -
+B@ ,- @C - $ $ -) ', & $ Y 66 ` AV!
> @D D >C@+ A @EC ,@ D -CD@C " =%!" 0 &,(
50 ;K<Q(C-A +B +,@ f 66. 8 = ' (
(;K<;(C-A +C@@2 +B@ ?@C A B U
E@CCG2 , $ %&! $: C-A --DT8 @@ I>-+ (
SW-K B !" ' ;Q; BG U-,D@C + U A2 B@ D ,GU

A@ C-A@ E . ;P=N . 0 8;PQL(@ M B >@
E@@A@ , >AD@C@D +- JC@ B@ +B + ->C, DG E>+ ! C-A
E ..@ 4Q=Q = < . &&. " ;L< - ? U@ A@
!@@D -C ! C-A % U@2 4KMQ $ (0 ? 1! =Q<
B@ @ ^ + .? - +B@ C-A C- > a C@ JC@ @D A+- ? ,,
+ E,@+ E@ -C@ DCG A.2 B@A +B@G -C? +B@ C-A U@ -
+B@ E X C - +B@ + ;K<L T C K FC B .. " B D
* KQ , @ - @CA U@2 C- D@C2 +- + G G@ / -A'+
G A- ;QLK & - *!0 &) (OON B@ ! C-A
%-CD , 4KPQ ' 6 ?& 0 e PKK B@ ! C-A %C- >
% $) 0 9 ! <) < '0 &) ' ' 3 &(LO=2 ;N
BBD C-A >+ +-E 4!<L $ " 8% ?D@A(=P2
. @ B ?) C-A A-E,@ A @CA@ + -C DC AUJ@AG
;=KN ' 0 0 =O; B@ @+@ ?@ + @C +
A J, ++ D@A@ 7 +B JB C-A , - A .>D@ @ ->A
;Q;M C $'$ OQM ! C-A +C@@2 %@,+ ?@C -, % +C
>E+> >C@- C> +> C>EC- SKM $ - 1(',",!0 K- S
B@ + ?E@C - !$ & ' &', &, ' - (,,@D ! C-A)D
+ +B@ % J@ - --D " -J@2 ?> B > @D +B@C@ A E> ,D A.
AD E A@+ ? U A.

O $ B0 $@ @?E, A. C-A A -,->C A @ C,G
> @ , -2 i %-,->C@D +B C-A

;PMQ = 1. < 0 & LP % ??-? ,, +B@C@ +BC@@
U AD@ B@C@- #A@ B B B +B ! C-A ,- @C 4P<N
0 M= / D +B %-?J A -A +B +B@
C-A @ $@>@,, AD @ + + + ?G B-> @ +- D G 4P<M
1 $!0 7U 8 ,-E@(MOO C ^ B@ , a B B
,J>++@+B G C-A B C+@ AD ?- U@ 4MLL = .
, - F !! & ;OM B@C@ ,@+ "G?@A - + JJ@ C A ! C-A C-E@
4M<Q) ' K=N >C-C A- B D ,@ + B@C
! C-A O@D 4QSM < 3 $: LK= -C , XG : >AD @
D>,, G->C ! C-A G@ 4KQ; $ .. $)!!) S ;LM
CC G'D A EC .B+ EC- D@CG2 C-A - B>@ 4KQL . C (
)! SS B@ ,@ C C-A .,-CG - +B@ @ +@CA UG

E !J@ , -,,- + -A C-A E>++@C ,G2
? -+B2 -,,@ +-C " A ?@ -C @C+ A ,@J D-J+@C
B A. G@,,- A. + C-A J@ C) C @+G -
A+@C J@ C C-A J,>?2 7 @ + AD A AD
? A, AD J-+ @-> +C@@ =?) - !$,) ' $ $+
B A. G@,,- C> +

4QN= 3 <$0&* "!0 ;;2 S 2 C$* ! & , &,) ($* , 1)
B@ ! C-A 0 >++@C ,G2 SKL<: - 1
$ $!0 ? 0 ' , L &! $ %,->D@D G@,,-
-C ! C-A 02 4MM= 3 . V$!0 & 0 # QM -?E C+
J@ C $> @+ J@ C2 ! C-A J@ C 4KK= 7
0 - 0 8;N+B %@A > 4 (;NL ?) - !$,) ' $ $0
7 --D / - A CD &,>? ! C-A &,>?

@ & - 10(O0 ` $%% &'3%) (^ - $' ! (&1
4!PK & E2 O>+ C-A C>+ D ONQ
, &, &%)! E- +B@ +>EE@ +B@C- D-+B ->@C JC@@D@2 4Q<4
%- 5 $! $ B@ C-A ? A+,@D ?-CA A. "
SJ-S- A -a ;K=L ML 9 .. ?$* " SS
8;KQ=(4=; ! C-A C-E'D D@ @AD A. %B C +G

! C-A 8 @ C A(2 ($ 0 , - P @C-A2
C->A ^ 66 1(% 52 $% $' (?@D
$%% $' (HH(O$%% $'$ (!J $OD% $'$ 0 $' 0
- @ -A +B C-A i , -%! 0 E - DG@
+B C-A , -2+- . @ C-A G@,,- -,->C +-2
, ;LKM B C$ 0 0 ;Q AD A +GA J@U@ -CD@
@ @2 - C-A = 0 ?& !0 MKM @C-Aa +B ? G JC@D
-A2 , ;=LN 2& &&. "31. 0 LO ! C->A + @, 1 0)<
! C->A : A - GAA E->@ ;P<L $(!&
8;KQN(M B@ ,-+E, @ ?-CJB@> C-A@D +B@ J, @ SM L
2 ! #6 " - 0 $, %(S ;MM A C@, AD2 +B@G C-A
,, +B@ C @ C A. , AA@A 4KLL ?!$, . 2($ 0 OOQS
P=N !B@ C-A +B@ B ,, 2 A X>C@ +B@ ?->A+ A 2 +-
D@, .B+ B ?

! C-A@D 8)@ C AD(2 $0 5-C? = C>AD@2
P) -AD2 M @CA@D2 M Q C-AD2 M Y
C-A@D ^ 66 10 -C (a C ; % 2 5
$% $' !H %-,->C@D +B C-A2 -C B A. +B@
-,->C - C-A , -2 , ->C@D +B C-A2

4LNL $ B $' !0 "'' L==P 7 G?J,@ 2U@C BG>@ 2
+C>AD@E@+GD@^-C . " - * ' $) $% & Oc]0 $ 4=NN !Z
> ! 5$' =MNN 6c -?@A B A- . G .@C@ +- .,G @ A
L->C %L@A2 ! ,U@ - ! JC 2A@ G A@ C-AD U@,, ;PP<
7 B 7 & -& 0 <!$;QL B@ C B C+@ 2 AD
?-U@ C@ C-A@D S K 9 7 +C , &!$">
&"0 SS S ;=<E2 #A +B@ C B@ D G@,- >,E A+
C-AD 4PKQ = ..<& ($! (* 8;MOQ(;<< B@
*'@,,- B@@J@ E@ A 2 +B@ B B +B@G ,, C@D ! @CA@D
B@@J@ SMO4 O # < * $ - 0 8;M=;(P; @
> $ E AD 2 E@,, 2 AD ! C-AD ,GAA@A SKKS A0 0 # +
! M @ @A B>ADC@D D B@ @C @D 2 @CG+B A. A
+B@? C-A@D AD J@JJ@C@D 4<NL : 1. 7 P $ &'
OO A +B@ C-A@D EC D@ , @A+ A. ,, +B@ @

i ! ' C-A B2 X 1 0 ^ i C " a f A@S+
3 - . 7 LOL ; ! C-AAG B@ - +B@ -,->C@ - C-A@2
$%% &'')5(;PM B ?$ Q BC@ -,->C -A@
C-A B2 A-+B@C C@D@2 AD +B@ +BGCD@ .C@A@ ;M<<
3 . , $ $ == 6AD@CA@ +B - J ,@ C-A B B>@

! C->G 8 C A(2 $0 $ 0 ^ ! CJA# ,
G a # -,->C -?@ B + C@ @?E, A. C-A
;MLN) ?$' $' < B -? A - -?J,@S -A
.G@ ,- B -C ! C-AG SMKK $2 ' . -&) " L< O
B@ . +@ - ! C-AG DC J , G@,,- -,->C 4QO!
). $ - 0 (2 6$) ' , (B@ 1@,,- : >AD @
- ! C-AG2 -C @?-A %-,->C ;KLK < 3 .. *$
< -0 LQK B@ B@@U 2 -C?@C,G + ,,- B AD C-AG2
E@ ?@ C>DDG

! GC2 ! GC-A2 -E 11 ! ! &&$# C
! ,C2 ! ,+ @2 -E -C? - 11 ! 6
! ,-C2 ! ,- @C2 -E -C? - 11. 8
! ->C2 -E -C? - 11

! C > A 8 @ C AA(- 0 , - A@ ^ 2
& $% $ 11 10 a a B@ G@,,-
-,->C A. ? ++@C - C-A2 E - , + C -,-AC
B B DG@ G@,,- B C@D

SKMK 9 0 - 0 ;)P $% $' ' -C $%% &'
" !!&2 00 -,->C A. ? ++@C -E+ A@D2 +B->.B A-+ A +B@
J>C@ + +@2 C-? C-A ;KQP 1 0 OAD !>JJ, !& $% $3
' ' 0 > C@D DG@ JC@J C@D -??@C ,,G2 EG +C@ + A. A, A@

7 +B A +C-> D ^@+ a ;KK= <) . C " &!(? T LKN
A , -B-, -,>+ -A - C A A 4K<Q !!1) > " 0 (
O;P !-,>+ -A - C A A@

(?0(7L6 4- $(^5-C?@D
JC@ 2 i &" O a T " A. A A +G -C2 -C + AY
A. C@ D ,G +B2 C A A = " (&,(5(;K<Q(
N 5'? , %< $ (0 0

(?0- -) G ./ . - (, - C@A@2 ^ D
$% '8 C ? >S AD $>-++@ % M&./ $ = $ + $>T
% =$ +T0 AD +-+$L) " $ % &_$.
$ >J 9 0 - (!>JJ, ;N;= B@ BGDC- CE-A2
C@A@2 B +B@ -?J- + -A %)#" ;K<Q " 0 &,T 50(
$% ' 000C 0Hd O H -?J->AD -E+ A@D EG +B@ C + -A ,
D + ,, + -A - C - ,

(?074 8 @'C),(- (^!@@ JC@ 2 AD . V
8!@@ I>-+ ;K<Q2(

$ >J 9 0 . -0 !>JJ, ;N;= ! C-, A -,>E,@ A
+@C ;K<Q " 0 &,0 50(% & ((> +@ C-J+@A@ -
C - , + > @D +B@C J@>+ ,,G A A@>C ,. @ Y
+ -A AD > @D , - J@A>?@ -C - J
! C-A2 ->A2 >A2 GA2 73= ?? 33
! +2 -E 2 $ 8 @@ 3 . 6 ! C
6 ! >C2 GC8@2 -E -C? - 11

(K 8 @.(2 1[- $!0 , - M Q ..@2
^ C - 7!)7 V f)7

4PL4 0 C$*0 '0 (;K= & G?@A+ +- : ?@
" -,@ -C ..@ 1 (;KM & D@ +- : ?@ " -,@2 - %-,, ?2
-C ..D@ -C +B@ ECGU? UC -C GA. - +B@ ECGUU@ 2
& D@ +- 3G B@,, OGAD@ -C C@@D@ -C +B@ D@ ECGU? U@C
$/O - . ! - ' 00 , . 2 . 2 -C C@@D .C- A. EG +B@
+@C D@2 SM S &% ' ! ' 8;MPL(< @ @
E->+ G CD2 @ +B@C +- +G@ E>A B - . -C E, DD@C +-
E-G >J +B@ 5 B2 SMKK $ 2 ' . -&) " 8$-SE (
O<< ; &-AD -C J ++ - +@C >CC->AD@D +B $@@D AD
! ..@ @C+ ;K<L & " ' ($ &&' ;;K B@G
G @@, C@ B D >J +B @ +B@C2 E>+ +B@ @ @C@A'+ ` +B AU
+B@G ?> + B @ -CU@D ->+ - +B@ . 8B- @C (

E $ 1(AD & - 10($ 31 (31& & - (
3 $ + . J@ C2 T J@ C" -C + ,U - @D.@
4MQL 7 2 ' B7 - (C " (OK U@ +B- @ ! . E@D
B B .C- ? AG +- .@+B@C A -?@2 E-..G J, @ A A.Y
, AD SMKK $ ' . -&) " 8$-SE (L;N O #A
C- A@ +BC@@ ..@ J@ C@ A C A.,@ # +G@D +-.@+B@C
+B $>E A F +B@ @AD @S+@AD@D 4QL! 3..
$ L<M B -A +B + G @,D A. ! . E@D2 @@2 -A @ ?-C@
" !@ , @ 5N &<!&), .0 <!& 0($ 3 $, $ (
C> B E-++-?@D B C - 0 0 & ,0 <!& 0 *>*0" $ (
C> B@ 2 > @D -C +B@ @ + - B C 2 > B B C E@ A. ,,@D
. E-++-?@D B C 2

! .8 @.(2 1! ^ 7 b a B@ + -A - .. A.
$) (3- @?@A+ -C +@AD@A G +- ,@@ CD

$/ + B B7 A $.!)" > &"0 8;P<<(=LM + @CG
A@ @ CG +B + G-> D-@ A-+@ + +B@ @AD@ - @>@CG ->C@
., @ 2 B + G +B@ B JJ@ B +B ? D@22 AD B- @ B@C
G B +B E@A@ +BC->.B +B@ +@C2 -A D@C A. +B ,, -C
+B@ ..@ - +B@ @ +- ,@@ CD 2 -CD A.,G G-> B ,,
AD@ +)C- @A SKKL $!" !0 O !@J+ 8% @,,(2 !B- A.
+BC->.B + @CG ,- ,G2 +B >CJC A. .+- ,@@ CD
O A C-J@2 C@2 @+ >JJ-C+@D + + - J- A+
B@ D J E@,- +B@ B-C X-A+ ,, A@2 D>@ +- + @ .B+
+B@ J@CJ@AD >, C D + A @ C-? + ,- @ + J- A+
+- +B@ +C .B+, A@ E@+ @@A +B@ J- A+ - >JJ-C+
SKMS ''0 0 QL B@ . " -C DC--J - +B@ E,@ C-?
+C .B+, A@ ;O @@+ SK) \ = ! * &'
;LM -A D@C + -A B B - +B@ B .B@ + ?J-C+ A @ -C
+@,@JB-A A@+ -CU - C@ +B@ ,@A.+B - +B@ .2 -C D J2
- +B@ C@ E@+ @@A + - >JJ-C+ c &<% 2 &)'Q
$ ' ' ;N= B@ C-J@ B->,D +C@+ B C-? -A@ +
,--J +- +B@ A@S+ +B->+ AG . + ,,

AU A. -C >E D@A @ 4H-0 3,&', (J, @
B@C@ +B@ >C @ B >E D@D2 D@JC@ -A

4KQL % : 7 &)' $' $ 0 ;MQ .C G
A-JG - ,->D B B +C@+ B@D C-? ,, +- ,,2 B A. A.
D- A B@C- AD +B@C@ A D@@J E,>@ . c _])
$ (' ' ' LO= - C- +B J J@ T . A
+B@ D D@ OKN @@+ D@@J AD @ .B+ ? ,@ D@ C-? -A@
C@ + +- +B@ -+B@C SKKK T B. B 7" ?!$, . - &%
& M; B@C@ D@@J . A +B@ @ +2 B B2 B- Y
@ @C2 DD@D +- +B@ -? -C+ - ++ A. A + c &<% 1"
8 A C &,0 < & 0 &,0 MK< 7 B@C@ +B@ .C@ + -A+ A@A+ ,
. AU E@,- +B@ - @ A ,@ @,

! &- -0 D@ , A@ A JC @
4K<4 $!" 2 = 3 C O O A +B@ ?@C A ? CU@+
+B@C@ ,, .B+ E>+ .@A@C , .

* (K $0 1 ($ (^ 7 D " A. A. -C
.. A. D- A , - A %-?E2 $ 31 !! (

C+4!P- , &! 3 &(& - ' =QO A " X, 0 C(0 ( ) ;OL
&>+ ?@+ -E-A@ A E . B + D--A B-,D@ + -?@ B +
. !B U@ + , -2 +B + + ? G . 4M=K ' * 0(
1 &'> $ OQ B@A " @ @ +@ +B@ ..@ AD @,,
E@ +C>++@D O@@ @@+ E ..@ M S 7 . & * 8;MMP(
ONK A -,D ! . E@,,^@D - D

(K 8 @.(2 0 A ,@ +@D ..@D2 .. A.
5-C? P Q ..@2 8M @U@(2 < ..2 M . K <
$!0 / ` =d 8 @@ / / (^5 C + C@ -CD@D A +B@
;P+B +B@ ?@ A A. 8 @,, +B@ M+B -C?C CVN@(
JJ@ C +- J- A+ +- -AA@S -A - -?@ U AD +B
?-D /A 0$.. '(3 . '(! $,.$(-C
D ,2 $..$ +- !>E D@2 @++,@ D- A 8 , - $.. >EY
D@A @(2 / $.. +- , . E@B AD 8+B@ / > AD !
-CD B @ , - +B@ A >+ , @A @ E@,- (7 +B
@A @ L -C D ,2 $ $ F +- ,U B@ ,G AD
,- ,G2 C-? @ C A@ " 8$- (2 -C B B -+B@C
D ,@ + B @) $0

B@ / > 2 AD ! -C? JJ@ C +- D? + - A-
@+G?-,-. , @SJ, A + -A A + @ -CD -A +B@ -+B@C
B AD +B@ -C D ,2 $..$? G E@ C@, +@D +- &..$ 8#
.. G & + @@? J- E,@ +B +B@ -CD -C . AY
,,G 7 ! AD A A2 AD B J @D 0 A >+ , +@C?(
A+- ! 2 / > 2 2 AD 8J@CB +BC->.B (A+J A., B

#A'+B 'BGJ-+B@ '+B@'C@JC@ @A+ + -A' - '+B@' -A+A@A+ ,'
@>+' EG' ->,D'E@' A' A + A @' - '+B@' -??-A' >AY
@C+ A+G' A'+B@'JB-A@+ ' JJC@ + -A' - ' -C@ .A' ->AD ' +'
'>A @C+ A' B@+B@C'+B@' -C 'D '*)+' E- @?@A+ -A@D'
'C@, +@D'+-' +B@' -+B@C' -CD ' AD' B@+B@C' +'C@ @?E, A @'
A' @A @'+-'+B@' A.' -CD' '?-C@'+B A' ' - A D@A @a
' ' /' -' AU' -C' >E D@' .C D> ,,GZ EG' @ .B+'

-C'JC@ >C@
,';= P' $ ('C (;0<=' A' $, &'C!$" ';;M' 3 AUGAA@'
'-G,GD' \' ..GD' A' GAA@'` ,';==N'C &-*('C$ 0'==N 0'
! ..GA-C ,,GA' $ # H"5H +@,GA2 '2 +G+ GA2 !T(Z1$ &('
;P<<' '3 '+C'<$1 ! &) >'?.('C " ..'<M ;' F>,,+@'+B@'
E ..@',@ +'+B@'B@CE@' U@'+B@'-A@' JJ-A'+B@'-+B@C' M-C'
' ..)'C! '"' '=<O' B@'%B@CC@'+C@@' --D' ' C?@' AD'
+'+B@' ,?@' AD'+B@' B' C@'+->.B' B- E@+Z+B@G' ,,'
--A@' @++,@'D- A CD' AD' .Z E@ A.' B C.@D' +B' AG'
@ .B+Z E>+' E@AD' +B@G' ,,' E@-C@'+B@G' EC@ UZ ;MLN' :
'#C ?8 ML=(;<' @ A.' ' B->,D@C'-A'+B@' A D@'
+-' + G' +' AD'+B ' '.--D'+-'U@@J'+B@' C- A@'-'" @'C-?'
.. A.'D- A@ CD' S 8 ' 0' &)! ' 'O;P'7 @'
@@' A'+B@ @'+BC@@' @ + -A +B +'+B@' -,D'J @?@A+'B @'
>AU'-C' ..@D' -A D@C E,G' ;KK<' $) 'P' / @ ';NL' B@'
C> +' -'+B@'@ C+B' ?> +'B @' ..@D' --+'EG' --+' ' DD Y
+-A ,' @@+-'E>CD@A' @C@', D'>J-A' +
E ' # ' 'J C+'-'+B@'E-DG'8- '-''J@C -A(' '
DC--J' +-' AU' -C'B A.' &2'',-- @,G
;)OM'C ! 0'C ('8 7'D@'7 ';PL;(LN='EZ BG'E,@ @D'E-DGZ
B B@' GAUGA.@'D- A@Z ..@D' \'B-A.@'EG'G' C- @'
;PML KL'- L '# ' % 0' A = ' +', +'B '@C>->C'E@. A' +-'
.C- ' -,D' AD' A+Z \' B ' B AD@' ..@D'D- A CD'
$';PMP' ' '+C'?& 0' '?@+C' ';O' A'A(' !O0'
' ! ' 'C>**0';PN'3 G UGAA@'D-' ..' A' C AU,@' ', U@Z
?G' , ..G',G?E@ 'D-'+C@?E,@' ;PMQ'< .) 7' B ' ('
4 '8;P<L(OML' JJ-,,-' ->,D'A-+' > @C @,,'B ' --, B'@ C@'
+-'U@@J@' B@ C'B>? A' B J@Z E>+'DC@ '+B@?' D@Z C D'
? D@'+B@?',-A.' AD'D@@J@' AD'B D' +B@?' >,,'- ' B + B'
B@ C@ Z AD' ? D@'+B@?'D- A@'+-' ..@' ;P<O' ('C('
C ' ! 'O'=EZ %B@@U'+B +' .' ,U@' ' -? A 'D>.'->@C'
B ' B A E-A@Z $'SM--' ' &-$R& $ '"0N#B+ '
+' Z CZ G->C' ,, ->C@D' .C@ +'A- @Z+B +'B A.' .. A.'
-',-+B -?@,G'+-'G->C',J ' SK M' 7 Z ' A' &' !"'
$ ('4 ';==' #' ->,D'+B ' C AU,@D'B AD' >A,@ CA'+-' .'
D' .-' AD' C-?'+B ' C- @C' B U@'+B@'>A -A' ' ;K=<'
76'V$ $'$ 'SS ';LO' S @J+' ,++,@' ,C@DZ B-' '
+C@D' AD' C- Z AD' +' ,@@JG' AD' .. A.' -A'B ' +B@C''
UA@@' ;<NO H -0' <$00' R' :>A@'O ;' B@'B@ D' ,- ,G'
..@D'D- A'-A'+-'+B@' > B -A
N') -' B A.'D- A' -A' -A@' D@" 8&B ,, J Z @D'
9@C @G' ;QNM(' # ' '. C?@A+' -'B A.'>A@ @A,GZ
+-' , J'->+' -'J- + -A' - 'B@ ,G' $!(AD' ((
"@A @' - ' - ' 'J@C -A' -' @ C'' .. A.''
,-+B@ Z +-'E@'DC@ @D'>A+ D ,G`
;P<O' ('C0'C '! ' 'OEZ ! C' $- , AD' $> @+'
- +Z +B@ C'D DZ .-@' ' .. A.'@>@CG'D G' A'B 'C->AD' .
-GA@' '- ' B +@' -++-AZ \'B +B' ?> B' 'D- +-'U@@J@'B '
A+BC +'@,) @ ' A'C@J C + -A' 1 0' 'LZ J C@'-'+C>AU@'
-,J Z .. A.'D- A'6U@ !B--? U@C' ,,@+' SM--'B 6. '
&)' "' $ -' ' Z'LO '+B@' C- A+'-C'E-D @'-'+B@'
?--A@'B A.' .. A.' MSS' 7 !'<!$, '+-' ,@ B E +'
-C' ++ B'D- A@'+B@',GA A.'-''. C?@A+'+B@C@EG'+-'U@@J@' +'
C-?' .. A.' ;MO=' 1f' ' .') 'C$, 3-$. '7U '
8;MOP(P=' B@' .CD,@'- ' B- @'@!>+B@' . 'D- A@' -A'+B @
D@Z B@C@'+B@'J>C@'B A. ' ;QNL' ' '" ' 0'C0&3'
, $ %4' -'JC@ @A+' '/--C' C-?' .. A.Z-C' AU A.' +'
+B@' -C@' -CA@C' ;KP=' 3 ' ' & $-*0'<!& 0'
;<L' '- D'- 'B G'-C' -CA'+B +' 'E D,G'J>+'-A'+B@' ..-AZ
,@ A A.'-A'-A@' D@Z ADZ '+' '+@C?@CD2+-J B@ GZ ' D'+-'
$ (;KQQ' 0'C0' '0'<!& 0' Z$@E@ ''? D@'?G'!>AD '
.->A' .' -C@,G' ;KQK' $ D) 'C& ';PM' ' - '.C@@A'
AD' .' 4KKL' = ' ' 2' '0'?" &' ';<N +'
^+B@'EC D.@a' .'+-'-A@' D@' ;KKP $ * >' $ 0 3 G'
KMQ ;' B@'. +@' .' J C+' ;<NL':'5-S'*>A' ! * ('
V ' 0' &-'L=P' B@'. +@' ..@D'-A' +'B A.@
D ' -'E@AD'-C' >C @'D- A CD ' A'+B@' ? DD,@Z
C-?' +' - A' @ .B+'-C' >J@C A >?E@A+'JC@ >C@'
! DZ @'. Z -' 'C-J@' >JJ-C+@D' +'+ -'J- A+ Z - ''
E@ ?Z J, AUZ @+ ' $) (-JJ- @D'+-' ' 7
'B 'C $, 0' $-$' *' ;L' AD' +B +'
+B@ C'E-++-?' A-+'-A,G'B-.'>J CD Z E>+' .' 8-C' >C @('
D- A CD Z+-'D A.@C->' AD' +,'D@.C@@ ' ;KS<' "'
)' ,0')%%&!.' m;K=<(O<K' 8 '/ ' / (' ;K=<0' < 8 .
0'e'ONL;' B@'E@ ?' EG' +' - A'.C +G ->,D'B @'
'+@AD@A G'+-' .'-C'E@AD' A'+B@'? DD,@' 1 0"'7 B@A'+B@'
C +@C' C@'-' > B',@A.+B'+B +'+B@G' ->,D'E@', E,@'-'+B@?Y
@, @'+-' .'D- AZ >JJ-C+'$$' C@' A+C-D> @D' +'+B@'J- A+'
B@C@' > B' ,>C@' ->,D' - >C' ;KP<' 9 'C &* (
$-0' $!!' ;NO' C@ +'E@ ?' .'C-?'+B@' @, A.',-
;KKL' $' ' .) ' & . &*' ,0'!@C';;' O<N;' B@'C-D'
,,',- @' +' +C .B+-@ Z C +' ..A.' A'+B@'? DD,@Z +B@A'
DC-JJ A.' ;KKM' '!'= '6$*(' &- 'OQ'# A@' -?@'+-'
-A OC' BG'+B@' B-,@' @, A.'D-@'A-+'
$' %0'SKKK' ' V\'! \#' B@'UG' ..',-' ' +B'
-A -,>+@D' ,->D
@' -'E>,.@'=&) ('+-'E@,,G' '0' %B @ ,G' $!0
;KPL' ':' ' $' !%& B$' ' ;P;' +' ..@D' A',U@
'E@,,G A.' ;' $ //' ' 1"'<!& 0' $ >'&)'
E>,.@D' ->+' +'+B@' D@Z ' 'E- A.' ,,' K<Q' : 1. 7'
$*$' ' &) $ &) 'S-K B@' -+B@C'B ,' -?@'>J' .. A.'
>,,'-'E .'>A
/' -'D@ ,A@'+-' ',- @C' ,@ @,Z+BC->.B', U'-'
+C@A.+B'-C'@ -C+' %B @ ,G'% (8%-??-A' A'6'! (
SW-K- ' C' ('C (SSS ' 7U '8;KQM(KK 1
+B@'B@,J@'-'B '.C @'E@'A-+'C@DG' +' ,' @ -A' @'?> +'
A@D@' ..@' \'E- @' ;MNP' ' $,10' ' " ' ;N' B@'
? AD@' ' G'EGZ AD'+B@'B@ C+'E@ C@'!B ,,' A@>@C' ..@'
+B' D->E+Z A-C' B U@' +B' @ C@' 4K<4 $*C ' $ 0'
!@J+'M== ;' ' B@' .. A.'+- CD'$@ , ?'-C'C A.'+-Y
CD' D@ , ? ' 5 H0 `h PH0 % H5 - 0"-!(C !&!('
4 4 ,, ';LQ') - @ -C' +-A _ '+B +'& C?@A D@' .'
A'B ' , .B+
EZ' $!(-'D@ , A@' A'B@ ,+B '+-'E@. A'+-' B-
.A' -' -,D' .@'8 / / (
;QK=' %> 63' 0' $ % ' 4QL' "@' E@. A'+-' $ 0'
-'D@ , A@' A'B 'B@ ,+B' $ 0J'? ' $ 'OM;'5-C'
AG+B A.'+-' - @C J-6@DZ -C'?@+ JB-C ,,G'+-'D@ , A@' A'
B@ ,+BZ>'+-''

%' &- -0' -'D@ , A@' A'JC @' , -' +B' &2'(
2"(&%%0
4KKQ'^@@' 77 7**!0'$0W0' 4K<O $!"' 2';;'3 G'#(\'
7B@ + ' >C+B@C' ..@D'D- A' - A.'+-'+B@' A C@ @' A'
?->A+' -A' J .@' 4<NL' -0'<$00'O< >.'Q ;' 7 +B'
, U'-' >JJ-C+'+B@' ? CU@+' B ' ..@D' GZ AD' ,- @'
-?@'0Q ' 0'E@,- ', +' @@U'' ,>@' ;<NP' 1 M' ':>A@'
< ;' B@C@'C@' JJC@ E,@' D A @'-A'+B@' B C@' .>C@'-'
+BC@@'?-A+B ' .-'-A'+B- @' A @ +?@A+' B B' ..@D'+BC->.B'
, +'G@ C''E D'E , A @ B@@+
' -'DC .'-A@ @,' ,-A.' @ C ,G' -C' @@E,G' , -'
(('8 @@'!>-+' ;KKN(
4!QL' 8 ' '50' '@*'EZ A ->A+@C' +B@?' +' , AD'
7 B ,@ +' @ C >,'+B@G' -?@' -C+BZ AD'+B@ C' C +' +@J 'D-' .'
A' ADZ ;MSO' 'C&!"3&!10' S ' O;<' B ' DZ +B@'
.@D' !+@@D' .D' D,G'-A' ,-A@' ;KKN' 1 >')**!0'
$ &',-+@C' A' ,U A.'+-' D,@' ,-A.'+-' DC .'-C' DC--J'
B@ ,G' ;K<Q' ' & ' ;MP' T AD' ' ?'A-+'
?-C@'+B A' '+B CD'-'+B@' G' ,-A. D'E@'+-'B ? @, Z'
+B@'B-C @' @D' ,- @C' +'@ @CG' +C D@
!' $) (# ' ' B J'-C'E- +' -'DC +Z E@' CC @D'
->+' -'+B@' A+@AD@D' ->C @' %B @ ,G' A'+B@' JBC @'
&' $ ' &'! 2$ 0
4MLL' '# ' &"0'<L'^A'+ U A.a' @'D D' ..@'>J-A'
+B@' ? A@' C AD' - ' @' ;QM<'^@@' 77 7' 10H0' ;Q<='
' 'M' $-$' *' 'OPM' &' $ ' &'! 2$ ('+-'
? U@' -A D@C E,@',@@ G' ;K=<'?!$,! 0' $ 0' 4 '
QOM' B@' A+'- ' +> ,'B@ D G'? U A.'+B@' AD ? A' .
D@ D' G'+-' ,@@ CD' ;KPM' : ,0' 5*0' Z SS S'
OMQ' 3 CG'B>A.'>J-A'B ' - CZ AD'+B@' E- +Z ,- ,G' E>+'
A- @,@ ,G' .. A.' B@ D' ;K<O': 1. 7'?$ $,.3 ('?$!!$ '
ONM 7 @'C@' .. C)' ->+B'-A'+B@' -A.' C +
T'E' $' %0' -'DC +Z D@ +@' A @A E,G' ' &('
% &' +(' 1 (
;ML<5> $j)+V)' $' 'SS'8;M=N(ONO 7 @'@@'@,@ + @'
!+ +@' A' %BC +@AD-?@Z +B->.B' E->AD' +B'+B@' +C +@ +'
, Z -+@A' ..@' D@' A+-' B ?@' AD' + -A ' ;MPP']'
0' (4' 'e' 0 1@+' > B' ^ JB@C@ a' ' C@'@S @A+C ,'
A'A@ @C'-E @C @)'@!> ,,'D + A @' A'+B@ C' ?-+-AZ E>+' ,,'
.' D@'+-'.C ADZ AD' .C +@'-A@'+B@' -+B@CZ $';MM;']'
& '8;MMO(';;' $' 0'OO=' -' "-J+ ,' '+G@D' +B'E@++@C'
-C' +C +@C', Z+B +'+Z ?' G'A-+'! .' C-?'+B@' A+@A+ -A' -'
+B@'5->AD@C
0' $' 0' A' > + @' @A @ Z ^5C-?' @A @
=a' #'' >CC@A+' +' @ ' -' > @'+-'T . '-C'
DC +'+-' CCG'->+'-'+B@' A+@AD@D' ->C @' (
;MOK' 7 C$"0' 0' 8% ?D@A('QQ' B@' >CC@A+' ..@D'
?@' A+-'+B@'E G'D@@J@C'+- CD@'+B@'@ + CD' ;MLP'C&"0'
&5'='6$- ' &' & ' '8" U,'!- (' ;<;' +@C' B@'
;,-- 'D'B@' ' ..@D' A+-'+B@'0 G
E' ^5C-?' @A @';'D a' -' > @'+-'E@AD'D- AY
CD' A'+B@'? DD,@
'# ! ' $ (' 0'$0' -',- D' +-' E>C+B@A' 4QQQ'
7' 'B 'C $, 0' $-$' *';L' B@ C'E-++-?' @C@'
+B>' ..@D'D- A'EG'+B@' C.-@' ' 1 0'(! ..@D'D- AY
CD' S'A B@'EG'B@C' C.-' ;KM<' ' ' ' *3'
1) ! 0' '<L' B@'>,+ ? +@'?@ >C@'-'+B@' +C@A.+B '-'+B@'
B J '+-'C@ +' ' +C A'+@AD A.'+-'B-.'-C' .Z-C'EC@ U'+B@?'
C- ' ' 'W'=' ;K<O'% ' 18 ' A'C &,0'< & 0' &,(
MK<' B@' >C @'-'+B ' ?@C A' C B' ' ..@D'D- A CD'
A'+B@'? DD,@ A+-' ' @A+C ,'D@JC@ -A' B B', @'E@+ @@A'
+ -',-A.'? C. A ,'J, +@ >S' ;<NO' -0'<$ 0'P':>,G'K L'
B@'@ @,' ,' C +'E@'T' ..@D'+'EG'E@ A.'B>A.'EG'+B@'B@ D'
AD'+B@' +@CA'-A,G' C-?'+ -'J, + -C?Z-A@'+'@ B'@AD
! .Z' C A+'- ' 7'8 +C +@D'E>,,(
'! . ')8 . (' ^# ' AD' @,' $ $' U' @CA'
8!g ' $ $+ A CC + @Z +-CGZ B +-CG' -CC@ J'8@S '
A'D@ ,@A -A('+-' V($ 0' +CZ @?' @@' 8; /a
Z AG' -'+B@' A CC + @' -?J- +-A' A' JC- @'
+B +' @C@' C ++@A' A' @, AD' -C' -C G' D>C A.'
+B@'? DD,@' .@'' A' A., B'> @'- +@A' JJ, @D' BL ,(
+-' +B- @' B B' @?E-DG'+B@' +C D +-A ,' B +-CG'-'
@, AD ' ? , @'-C'-'+B@'U A.'-' -C G
4QN<' ' A'C *"' >' $ "'8;KQ<('ON;' B@'B +-C @'
-'+B@'-,D' -C+B@CA' A + -A Z B B' -??-A,G'B @' +B@'
++,@'-' !. Z B B' .A @' 'A CC+-A'-' ' +-CG' 4QQQ'
' ' 0' - ('8;QKL('LOM B@' C@D +' -'+B '
+-CG'C@ +Z ' C' 'UA- Z-A'+B@' >+B-C +G'- '+B@)' ! . Z
-C' %BC-A ,@'-'9 A.' #, > 'J>E, B@D'EG'&@C A U -,D' +'
!+- UB-,?' ')' ;M<Q' ;KNP' ' $ ' 0' C'SS '
3 AG' '! . ''CBG?@'>A ->+B' ;K<Q'7 ' !g: ' * ' "'
&-$', 'MM' B@' @, AD '! .] +B@'J? @'B +-C@'-'+B@'
-C+>A@'-'+B@'.-C@' @, AD 'B->@
E' $' %0' 'A CC +' @'B A.'+B@'8C@ ,' -C' >JY
J- @D(' B C +@C + '-'+B@' @, AD ' .
+-CG'-'B@C- ' B@ @?@A+'-C'? C @,,-> D @A+>C@
;KPQ' 76' , @ 0' & ' $*' Z5-C'+B@'-,D' @ C A.'
?@A'% ?@'+-' ?@'A- ' AD'+B@AZ 7 +B'+B@ C' . '-'+B@'
@')SKM'"'= ' $' ' 'ML' 7 +B'+B '
' +' +Z+@C? A +@'?G' .'-' C,J B-,?' ;K<;' : 1. 7'
' $' $! ' Z / U'D@, @C@D'B ? @,'-'+B@' . '-'
B '- A'D- A.
)'/' A' A -CC@ +'> @'8J C+,G' '+B@'@!> ,@A+'-'
+B@' -.A +@' @C' $ +'H ' +-CGZ J-J>, C,G'E@Y
,@ @D'+-'E@'? ++@C'- ' +Z B B'B 'E@@A'D @ @Y
,-J@D'EG'.C D> ,' C@+ -A' A'+B@' ->C @'- ' .@ Z
AD'B 'E@@A'E AD@D'D- A'EG'-C ,'+C D +-A')' B Y
+-C ,'-C'B@C- ',@.@ADZ 'D +A.> B@D'E-+B'C-?'
>+B@A+ 'B +-CG' AD' C-?'A+@A+-A ,' +-A
4KM=' : 7 . ' &-(U ') 0' '8;KQP(';Z' B ,,'E@. A Z'
+B'' ' ;KM<' U ') 0' .)"' 'OMP' B@'&-J>Y
,C' ,@' '+B> D + A.> B@D' C-? +@' 3G+BZ -C'! . Z'
;KQL' 3 '$'"' B ' @ $ % 0' $ ' $ 'O=0 7 B ,@'D Y
J, G A.'+B@'> > ,'@S ..@C + -A' -??-A'+-'+B@'! . '
A + -A Z+B@' A'+ AD' A'! . 'B @' -A@',@ D A.'J@ >, C+G'
;K)':) '+C' '? '.>' 0' ('(' ;PN' B@'! .
-' >G'-'7 C U' AD'0@ '-' ?J+-A
&@@10 '$ $32 'H . ? AZ 'A CC +-C'
-' Z , -'+B@'B@C-'' .'^f # ' 3 $! (
;KOL' ' '&!0' 0(' $ $- $''8 C B @-,(Z '+ ,@'
+@ @C2-C' @ C@+' > @C' ;KPL' : 7 . ')C+ bSS S21->

C@'+B@'B@C-''G->' C@'+B@'! . ? A'` 7@' C@'A-+' -C+BG'
SKMM $ 3 '3 C'OO; L' ,,'+B@' U ,D ' AD' . ?@A'-'
AG'A-+@' @C@' @, AD@C ' SKMM 0 $ ->-,)) J, X '
'!@C';';;L' A' CC- J@A@+C +@D'+B@' ADJ J@'-'+B@'
U A.Z AD' +' ' >JJ- @D'+-'B @' J@DZ -E @C @'+B@' ! . '
C +@CZ C-?'+B@'E- ' - '"@? A.C
(K('8!!T. (' 0 $0Y ' + B
;PKL' ?*0' 0' ' & > H#' B C'! . ' ,@ A@' ,U,@
E@ +' ;KL=' 'C&-*' 'SZT& +@A @"ZC@ >?@D'+B@'
+ B2 2''3 G'?-+B@C' 'B@C @,'' . '
'/J'-' 7)
(K(D 7E=' 8 .) : (Z $0 ^ ' $ $,3 -'
8 B@A @'5' $ $, +(' $ $5(' '+B@' H&& T $ 3' 8' f'
@>+ +. Z (A' '+-'D @CA' >+@,G a'
+, ' >+@' A' J@C @J+ -AZ @ J' EG' +B@' @A @' -'
?@,,' %-A +'d%0' 1 0
;MNQ' 1 .' &) 3%0'? $ ' J'/@D' 'PZ B@'O@@'
@@U@'->+'+B@ C'9 A.' 'B@',-- @'B ? @,@Z AD'EG' '?-+' . Y
->' '?@,, A. @A @Z A@>@C' @ @'+ ,,'B@'E@' ->AD'->+' ;MPM
0,-> '< & & 0(' $ $, &) ((!> U'- ' @A+Z+ +@'-C' .B+'
;MMQ' = .' ' o' o' L 'OK;' !-' @A+@D'+B@'.C ?'5@ +>C@Z AD'
>J+>CA'D' " ' - +C ,' D@' A+-'+B@'?>CU@' CZ! . ->'
-'B 'F> CCG' C-?' -' C' $>%+') ' &,.'#' &5'QP;'
7 +B' 3 .B+' AD' 3 A'+B@G' B 'D'+B@'?>CD'C->' 5-SZ '
-C' A+@D'"-CA '+" A J C@' . ->''"->AD Z ;QLO' 1'
0' $'' ;' #;7' AD'B->AD' . ->'-A'+B@'+ A+@D'.C@@A
/' +@D' +B' >+@A@ '-'?@A+ ,'D @CA?@A+'
B A.' J@ ,' J++>D@' -C'+B@'D - @CG'-'+C>+B'
J@A@+C + A.' AD'*>D ->'A'+B@'@ + ? + -A'- ' B CY
+@C' AD' ?-+ @ Z AD' A'+B@'D@ A.'- '?@ A'-C'
+B@' -?J, B?@A+'-'@AD'' BC@ D2
$%/+' B.8 ' ' &*&- 0' ;=P' +' ->,D'@@?' ' -AD@C'
. ->' +>C@' B->,D' >,+@C'-A,G' A'+B@' -C?A.' - '
+B +' J C+' $% A' ' ' 8 ' (& 0';' e' M C>@'
%B C +G' ' . -> Z AD' ,,' AD'->+'B A+' -C'E@A@ @A @'
$>+&' ' $ &'';'8@D'=(<P' B@'!+>DG' AD' AD@ ->C'
-'+B@' ?- +' . ->' +>C , +' ;QPM' % ' B ' 0'
$' ' ' ;OP'#>C' @CG' . ->' +>B-C' ->AD'+B@?' A'
+B ' -AD +-A' $> $' 81 ' &' %0' Q=0 B@' -C,D'
.C- A'-,DZ B@C'D@@J'D @CA?@A+' B- '%, J' J@ + ,@'-A'
B@C' . ->'A- @' ;Q<='!Z 9 .. ' %)&'' ;LM' "@'
JJ@ C@D'+-'+B@'.C@ +@ +' D A+ .@Z ' ->'A'D + AY
.> B A.' AD' +-'-E @C A.' $ &0' = B. ' (' 0'
';<)'"@'B D'E@@A'>C.@D'EG' A' D @C,@ . ->'AD'
?-C@' ?J@+>->'E+ B@'@,Z+-'+CG' E-,D@C' ->C @' O %J
< ' &-&!$'S SZ 0 CD' '@A+ C@,G'>AD@C'+B@'
C@AD@A G'-'E '). ->' AD'JC + ,'C@AD
E' # ' -E @C +-A' G A. Z +-A Z @+ '
$@ >,+ A.' C-?'-C'@SB E +A.' >+@A@ '-'?@A+ ,'
D @CA?@A+' B C +@C X@D'EG' . +G')
$ J$ 8 ' 2 &"' S';NK' "@A @'B@ -A ,>D@D'+B +'
D ?-AD'T' A'>A +>->'>E + A @' . ,> +@D' . ->'
JC@D + -AZ B'B 'E@@A' @C @D'A'+B@' -C@' - '
?-D@CA' B@? +@C' $ /%' : ,0' 5*' (' 'S Z ;M;'
B@' !> ? >S' @S ? A@ '+B@'+C U' +B' . ->' C@'
L >' = .. ' ! - (' -0' 8;KMO(:::'=LK' B ' ->'
-A'+@ +>C@'B ' A @'E@@A' >,,G' @C @D'EG'+B@'-C'E@A@ ' @C @ '-'
7 >C+X' AD' "- ? AAZ $>%' ' $' 0'= 0' ,0'
('KQ A' -' ?@C'B ? @,2Z' @' AD'A-+' @ ' !- '+B-@'
. ->Z >C+ @A+@A @ Z A+-' B B' ?@A' >A ' !> A+@D'
+B'E--U ' C@' -AD'-' -?JC@ A.'+B@ C'@SJ@C @A @'-'
B>? A', @
'# ' A ? , ' A+@,, .@A+
' '< .) !? ' -'=' # ' ,,'+B@' -, + CG' A @ + ' B @'
@ @C C@? CU@DZ +B@' J D@C' '+B@'?-+' . -> ' ;KS<'
: ' 0' '5H0 B@' U@ >,'E,--DB->AD'C- @Z
AD' B--U'B 'B D@Z 0>+'B ' . ->'@G@' A'A? +@'- A '
"@A @'! . -> ,G'$ 0'! . -> A@
;MQK' B)8 ' ' !!0' " 0' ' 'OK' LL 7 B@C@ -C@'+B@G'
. ->,G' JJC@B@AD@DZ+B +' +B@C@'?>+' A@@D'E@' ^@+ a'
1 (' 'e';='OPN 7 B@C@'+B ' - @' 'A-+'-A,G' ,,@D' 3"'
-'?> B -> A @,'-C' . ->A@ Z E>+ , -'CCJ@C'
!> C-GZ OSQS;' ' -)' '&-@+' U';QO;' ';NO'
O>+' D?>AD ! . -> ,G'+B@ A ,@ A+CG' >J@ + ' SK K'
' ' ' ' 8;KQO(' 'M= O>+'B '?@ >C@'B D'E@@A'
. -> ,G+ U@AZ +B +'@S @J+'+BC->.B' B'+B +'J@C @C @A @
-' -C+>A@2Z2'B@' ->,D'B CD,G' ,'-'> @ ;KK=;' ' 8R
0' $1'$ &'' Z' +' . G' 'D@, +@'? ++@C'+-'
+B-?'+B@'D@J+B'-' '?@D ,'? A' . -> A@
(K(D *+' 8 . @'+(' ^ D'5' $ $, !" DZ '
$, 3 -(Z $,3 @" 7 B '$2' @@'" !V'
B@'!> ,+G'-'E@ A. ' . ->
*' ' >+@' @A @'-'?@,,' 1 (
;MNQ' 1 .' &) 3%0'? $ ' ? C. Z 7 B +' ?@,, A.'
-C' . +G' A'/-.' ' 1 ('=P;' B '0@ ' 'A-+'-A@,G'
@A@?G'+-'+B@' C- -D ,@' AD' J@Z E>+' , -'+-'+B@' C ..@ Z
B B' B@'B>A+@+B'->+' EG'+B@' . +G'-'B@C'A- @' ;MQQ'
. 5%& 0' ;Q<' D@ Z B-' -??-A,G'B @' .C@ +'
. +G' A' ?@,, A.Z ? G'B@C@EG'E@'D C@ +@D'+B@' B- @'
-'+B@ C' 3@,+@'-C' J D- . ;QM=' 81 ' $. H(' M;M'
!-?@'^ A ?'a' B- ' +B +' A @') +G'-' ?@,,' ;Q<K'
C 5-' 1 && $'' 'LM ,,'+B ' .@A>' C@'C@?' CU E,@'
-C'+B@ C' -C +G' AD'+B@'D . +G' 'A- +C,
/' >+@A@ '-'?@A+ ,'D @CA?@A+' J++>D@' -C'
A @ + . +-A'-C'D - @CG'U@@AA@ ' AD' ->ADA@ '
- '*>D .@?@A+' A'+B@'@ + ? + -A'- 'J@C -A' AD' -AZ
D + -AZ AD' A'+B@' D J+ + -A'- '?@ A'+-'@AD '
J@A@+C + -AZ BC@ DA@ 2
OSP=K ' .'% C Z '0' ';LEZ O-+B' -C' .@' AD'
JC>D@A+' . +@Z +B@C,GZ ' G @' \' ' .C @'J@C -A .@Z
B B' B@' -C'C@A>GA.'-'+B@' -,D@' ?+@Z @C@' -?? AD@D'
^@+ a' 4MN=' $ ' 8) ' $1!' '!*0(' $ $, (E CJA@'
- ' +' +A@ @' ;M=Q' .) ' 0 10 0' #7' '
B@'B D' ' -AD@C >,,' ! . +G' A' > B'$@ ,@ +-A Z '+B->'
AD' / >,+ @ ' AD' / A.@C' - >CC@D'+-'B ?' ;M<L' :2
)8) ') & 0' 0' 0' 0' ;K 3@A'-' U ,,' AD' Y
. +G' D-' -?@+ ?@' -C@+@,' >+>C +@' ;Q=L'
!)5 &' ' ;NQ' B@ @' C@'+B@'.@A@C ,'$>,@ Z E>+' +@C' ,,Z
? AG'+B A. '?>' E@',@'+'+-'+B@' ! . +G' AD' A @A+-A'-'
+B@' C+ +Z ;Q<;') . 66' &'0' & 'SZ!B@' '
-?@ B +' >CJC @D' +' &@+@C' ' +G)' K=='
$ 0' .) O0'SSS Z'$@,G A.'-A'G->C' D @ ' ? A'-'
.C@ +' . +G A ?-A@G? ++@C ' 4K=<= B. ' (

[illegible]

.C@@A,G'? -++,@ ' A'+B@'? AA@C'- .@ B@@ @' ;K<L' , 1' >'
$ 0' :>A@'KN; O' -' AB ,@'+B@'-D-C' - ' J>A.@A+' C-? + '
+B A. ' A'+B@'+ ,,'T ! .@'.C ' SK ':Z (. ' * $ 0'
, $' ,' M=O' ! .@ .C@@AZ J@ Z AD' @ .C@@A ' ;KK=' '
.. 'C ! $' =< BC@@' +@CA--A'DC@ @ Z+B@'.C@G2 '+B@'
.@ .C@@AG' @ +B@+ '-A@Z AD'+B@'J@ - U E,>@' ;PM ' B R
1$! 5 0' ;M;' B@' ,D@-A@'^ @CE >?a' ? GE@ ,,@D'
A' A., B@' ! .@'?>,,@A' ;P<Q' <)' 1$!' E,@Z
! .@'C- @' AD' B 'U AD Z ,--U@') 0' ;KM=' <
!& $' (' 0' !0'QKQ'! .@ C- @') ' $')! - %&E$(;QNW
' 7 .'C > 0' ' 'MO ' -C' ! .@ @ Z +'E@A.'
A' A., B' / C AU2 ' ' C@'A-+' '+B@G' / C AU' +' +B->+'+B@'
+ A @'- ' 3 C' ! G C @' ;KO=' B) ' ',",!0' <$ 0'
8@D'O(e'=S=;' B@'D@ - + -A' ,,@D' .@ +@ ' '> > ,,G'? D@'
C-?'-A@' C @+G2'+B@' ? ,, @ @D' .C@@AZ -C' .@' -' C+>@'
;Q);' &- *!($ - 0:C' , ' ' B@C@' C@' @ @C ,'-+B@C' C@@'
Z A' 5,- @CZ ' &B,-? ' -C' ! .@' C@@ ' ;QPL' '
",!0')**0' JJ'! Z ! .@'- ':@C> ,@?Z-C'! .@ +C@@' SK)'
7 ' = .. 'C!$' Y'0"' ! .@ +C@@Z OC> B , ADZ - ' > +C , '
C ", & $' $* '& 0' SKM-' 9 ' 8 + A.' ' 0'
?@C -A(Z ! .@ ,,- 2 ! T ? 2] ,,@D' ,-'D C'
.C G ,,-

%' A' +B@' A ?@'- A ? ,' AD' E CD ' ->AD' B @ ,G' A' +B@' .@ EC> B' D +C + '5L=' ' ?@C Z
' .@' - UZ'.C-> @Z'+B@', C.@ +'.C-> @' ->AD' A'
?@C Z ' &, ,)') &*.$ $') ' .@'E C@'f'
$ ' $11 ' .@' B@AZ'+B@' @? ,@' -'+B@' .@'
.C-> @' .@'C EE +Z' ' ? ,,'B C@Z' *) $ - $H'
.@' J CC- Z'@ B' - '+B@' + -' C A.,, A@Z'E CD'
- * 0$'1 ! ' $ $' AD' 0'1 !! H' .@'+BC B@CZ'
+B@' ?->A+ A' ? - U A.' E CDZ' & ,&* ' -&' $') 0
L 0' ! ' 5')' $ $' 0' - 0'? ' 8! ? +B -A A'
3 '%-, ('=MO ' &, ,)') &* $ $')' ! ' ! .@'%- U'
4KK=' %-> !' V "' 0' - 0'? ' 8@D'O(PKN ! .@' C-> @'
SKMS ' 5' ' . '*& -(6 'C $ ' OP' B@C@'
' ' @C+ A' E CD' - '+B@' .C-> @' J@ @ ,,@D'+B@' .@'
B@A' 4KP<' ! ' 5')' $ - - $!' (' - 0' MNO *)'
- $ ' 0 B? A' ! .@' $ EE + C' 4KQ< <)' @+ '
$ $ ' - 0' &) , ' E0 0'ON * ' "! $,) ' 0 B Z
C') $!!(YY 00' %' $ EE +' ;KK=' B 'V "' 0' - 0'
? '8@D'O(LQP' - * * 0 $ 0(!J CC- ' 1 0' 0=<'
! .@' BC B@C

! .@' 8) D)(Z' $0' AD' P) O' , -' M' .@Z' ,0'
.8@Z' >.@' ^ ' 5' $ ' D*' AD' E' 8, +B' '
A' " +X] / C? '#5'B D' , -' $ ($ +%-? '
> ,"$0 1 &= 5($ 3 " $1 3 " 0 0 $1 "HH0 $ &(
$ +J-J>, C' 8 ' '' $*) ' .A-C A+(
' $*3 '+-'E@' @' 8JC' JJ,@' $* ' ' @(a
$ B0 - '-A,G'! $ "0
; ' # ' ' J@C -A' 7 @Z'D C@@+Z*>D -> ' A'3 '
- +@A' ' $ ' 8 -,,- A.' ' JC-J@C' A ?@(' A'
?-D@CA'> @' A'A CC- @D' JJ, + -A ' &C + ,,G'
@Z C@AD@C@D' JC>D@A+' -C'*>D -> ' EG' @SJ@C @A @
40<Q $ Z <. B '8$-,, ('=NM< ->' +' -CB' @AD@D' ! E ,@'
V@ .@' @D@'E >-C@' ;L ' 0' 0(!! ('C0'O ' ;PQM' '
.@' +BC J ' E +' -C -CG' ->E@' 4LM' 7. ' C0'C 0' '
4 'OPQ 5-C' , ?-A'EZ .@'E +' J@A @'? D@' ;L<N'< 8 '
& ' %0' 'LKL' B ' '+B +' ! E ,,@'- ' B-?'G@' +@' B +'
,@' ?@A'G +' ,@J@A' .@Z ,' ;=MN' ' , $'C !& 0' ;OOO'
- J@U@' ,+6Z EUA- @A ' ? A .@' ' " &
" ' ;=K' $@+->CA@' . GA'+- CD@' @A@ ' AD' ? U@'J@ ' G+B'
BG?'G 'G@'E@' .@Z $'O JJ)' ')&' ' SSS 'OQ='
B@C@' 'A-' ,@CU@',G>GA.@' -' .@'+B +' A' J@A +' A' CG+'
GA.@' ;P=P' ' &5&* 0' 8 CE (=P' B@'E@ +' ,@ CA@D'
AD' .@ +' ?@A' A'+B '$@ ,?@ E-+B' ,->@' B-+ A.' AD' @'
B-+ A.' ;PM ' 7; L ' 0' $, $ ' ;' 7 U 2 8! ' ' ! ('
P')->C' G @Z' .@Z AD' .C @' ? , C' @C AD' ;PQ4'
$ 0' C& - ' %& - (SS ' ' 0-++' B ' +BG @, 5' E-+B'
B CJ@Z' >.@'H"L0 0 .aZ AD' A @,C' ;P<=' ' , 0' !!"'
A' 'OOQ' %-> A' - ' 0> U A.B ?Z' AD' .@' .C >@' ?@AZ
! A @'G->' ,,'^@+ a' ;P<Q'] 'O '0' "' ' ;O;' ,,'G->'
.@'%->A ,-C Z B@A @Z $';MOP' ' ' '- $' &' 8;MLM(
=K;' B@' %B A @,,-CZ AD' C@ >C@CZ + U A.' +-' +B@?' +B@'
:> + @ Z AD' -+B@C' > B' .@' J@C -A Z ' +B@G' +B AU@' D+'
$';MKQ 9 .. ' $ >' $ 0' ' 7 U ' 8;QO<(L=K' % A'G->'
@SJ@ +Z+B +' B@' B@' B->,D' E@' .@' -'C>,@'B@C' E,--DZ AD'
G->' A-+' C>,@' G->C' C .@' ' ;QLO' ' !, *. 0' ' e' LP'
B@' @' C@ -A A.' - ' ' @C+ A' .@' ? . +C +@' OKSQ'
' ? CC&' SS Z' 5-C' ? - +' ?@A'8+ ,' EG',- A.' C@AD@C@D'
.@C(7 ,' E U' +B@'C' - A' -J A -A' ' +B' ' .@C' 1 0'
444 Z -' -AD@C' > B' -? J, B? @A+' B->,D' >?' '
@? ,@' B@ DZ' B- @ @C' .@' AD' +@ DG' OKLL' ' = "
6' ' ' ' QN' B@ @'B-> @U@@J@C Z ? D@' .@'
EG' C >? + A @Z ,--U@D' AD' J-U@' +B' -?@+B A @C@'
, ++,@', U@' ? C+B' SKMK = . ' 0' C$) ' S ' L=M 0>+'
.@C' :>S-A2 +BDC@ ' C-?' +B@' JC->D' E>+' J@C ,-> ' - @'
$';KQO' = B ' ' .(' ?. 0' ' 8 KQ=(;O ' ' +B->.B+' - '
B ?' ,0 0 -AaZ @ @A' '+B@' .@ +' N;' E--U ? U@C' AD' A-+'
' ',)J? A'E@ A.

3' # ' D @Z -AD> +Z' @+ ' %B C +@C X@D' EG'
JC- ->AD' D- ? ' E @D' -A' ->AD'*>D.@?@A+
4!L4 1# , C SS 28 PL=(0 KEZ $-E- X ' - ? +@ ?JA@D'
+B@' .@' ->A G,@' - ' >A G@A+@' ?@AZ AD' ?EC @D' +B@'
,G) B+' J@C -A' - 'G-A.@' ?@A'); P<N' = . 8 ' $) 0
; '<Q' %-?@ ? U@' ?@' E,@ +' +B' G->C' .@' -A @C@A @'
SM-S !0' @'? ' Z=;L' 7 @,' B J@C'-C@' ' ->J,@+'
-C' + -' - ' ?-+' .@' @' OM=;' = . ' %& - @' ; ' =P
++,@' +B->.B+' B@' - ' +B ' .@' >+ -A' ;Q<M' ' ' B '
+C' 03C >') 0' $ ' 8;Q<<(' 'LKN' B@' A A +@,G' .@'
J, A' - ' +>C@' OKQP' 6&%% 0 'C!$ &' 8@D'O(' ;QM' " @'
. @' .@' ->A @,' E->+' +B@' A>C A.' - ' B ,DC@A

' # '+B@' ->A+@A A @Z'E@ C A.Z @+ ' SB E + A.'
.@A@' '-C' JC- ->AD' D-? ' A' ? -D' > @' -? Y
? -A,G' -?@ B +' &' ,$!(
SK M' ' D0' SZ 3 ' #,DE> U' C@ @A+@C@DZ +B' '
A.>, C,G' .@' @SJC@ -A' - ' ->A+@A A @' OK=<' '
$ 0' &**0'S S' 3C' / U' B D' C@.>, C,G' +@D' +' ->C'
->A , Z +B' ' ?@D + + @' AD' .@'D@'?@ A->C
/ ' A' JBC @-,-. ,' -?E A + -A' ' +@C' 5C' > @
, ' $ %&&!' 8 , -' A' 5C' -C?'%&! $ +0' '*@ +@C'
-C' ->C+ --,' 1(3' $ ' 2&-$"' 8 , -' A' 5'
-C?' $ '% - +H' ' ?D @ ' $ 0

' ' 7. ' '0'S A '=OL' Z ,-CD@' AD' DG@ E +'
@D@+B' - @' .@ Z +@C@C@ ' AD',G@C@ ' 1 0'=== ' -,' .@'
G++GA.@' +' +B@' B@GL' + E,@Z S=QP' A'A0' ! 00' ,$ 0'QQ'
B@C@' ' .C@+@',-CD@' aV +' B D' ' ! .@' - @Z+B@' EG B@'
B@ -, GD' 3 C G,->' @,,' OMQQ'^" ' B V & - $ "'#'
?$" '00 J+ ?@' + '+B->.B+'? G'E@' D? A +C@D'EG' ' .@'
@?@' ;KLL' ' ' 0' E - 0' .'S SZ' ' .@' -? A'
-' .C@ +' C@J>+ + -A' ' + ' ->C' B-> @
i' ' C @Z'D .A @DZ -,@?A' 1 0
OPM=' ? %' 5$ - 0' %' *' EZ ' ->,D@'B >@' +B@' 3 A +@C ' - '
%B>C B@' '+-' @' .@' @ +>C@' OP<L' ('C0' C ' ! '
' *Z "@' -C@ ' . CA B' - ' A .B+ J Z B B' .@'
B>++@A' J2 ->@C' JC@ D' @CG' -CD@C,G' OMN' ' $ - 0'
' 'OMN 7 @' B->,D' JC-JB A@' +B@' @C> @' - '+B@' D@ DZ -'
A.' .@' $@I> @?Z AD' > B' C@ +'+-'B@C' '+-'J@ @ J C+@D'
! ->,@ Z ;MLO = . 'C ' & &';;Q' AD' '->.B+' @, ' .C@ +'
0 CD 'E@ D@' A' .@' AD' -,@?A'+>A@'B @' >A.' # ' >CY
A@G ' AD' - ' C-JB @'B>A.' OM='] ' 6) '(?), '7U '
;KP;' ' LN4' A' 'J- A+' - ' .@ +' ? - ?@A+
0 ' 1(
' ? A' - ' JC- ->AD' D- ? ' *0' -A@' - '+B- @'
J@C -A ' - ' A @A+' B +-CG' -C' ,@.@AD' B-' @C@'
+C D + -A ,,G' ? ->' ' +B@' @ +' - ' ? AU AD '
B@A @Z -A@' B- @' @S @J+ -A ,' D-?' @A+ +,@ 'B ?'
+-' ' D@.C@@' - ' @A@C + -A' , U@' +B +' B B'
-CD@D' +-' +B@ @' A' @ C,G'> @' -?@+ ?@' +B'
@ U@C' @A @Z ' @' ? A
B@' ' @ @A' .@' - ' C@@ @' " @C@' B ,@ Z ! -,-AZ &@C '
AD@CZ %,@-E>,> ?Z %B ,-AZ 0 Z AD' & ++ > Z +-' @ B' - '
B-?' -?@' @' ? S ?' ' ++C E>+@D' EG' A @A+' C +@C '
B@' T 0 @A' .@' - '$-?@" C@'+B@'J@C -A .@ ' - 'C-? A @Z
- '#C @A+ ,' -C . AZ B B' 'J-J>, C'+BC->.B->+' >C-J@' A'
+B@' 3 DD,@' .@ ' ' +@CA' .@ ' - +@A' JJ, @D' A'BG?A '
8 +@C' 3 ,+-A(' +-'+B@'T+BC@@' 3 . ' @@' Q 7B 'O
OL Z)"' ' $ 0' 8 7 ('=Z ' ,'G- '+@,Z '# '+B@' @>@A' .@'
-'$-?@' OL<< 7. ' , 0' ! ' 'Q' 3 @'+BGAUG+BZ'
! >GA.@' ->@C@GA@' AD' .@' @Z B +' :V@? - +@' ?G B@'
'D@?@D' HL' D@D@'G D- ')@ A 'UGAD@' ' < ' "
KK B ' -,D' D@C' # ' *' ! > .G' ,,D'+B@ G @ +' B +'
A'$-?@' OP=Q M=' B.) 8 ' & 0' C !& 0 C E0+' ;' B@C@'
@C@'E@ D@' +B@ @' -JB +@ Z A-+B@C' U AD@' ,,@D' J@A+@ Z
-C' .@Z ' ' B ,@ Z ! -,-A' ^@+ a' OPQQ' +C' ?)!! ' %'
,$ ' ' S' 8;P<O(' OOL' 3 > -A > Z " @C- ,@)' AD' -+B@C'
>A @A+' .@ ' ;M=L' +C' C . ' T' C &%0' ?.0'S ' e'QL<' LOL'
3 +@C' ++,@+-A' B-' ' A' B-A-C E,@' .@' - ' +B@' '
;MMQ' = . 'C0' 0' L 'LMO ' !+ CC JC- , ? ' B ?' -?Z
AD' .J D@' +B@' +@CA' ! .@ Z B-'@A I> C@' " 'J, @' 4QL'
1 "' CZ OOO B@' .C@ +' +B@A A' ! .@Z AD@'
5 +B@C' - '&B ,-JBG' ^))C' ! - C +@ a' OKMO ' 6 2 0'
0' 8;KQQ_' ' S 'LLQ' " @' E>+' ' -A@' - '+B@' -,D' B @ '
- '+B@' EG.-A@' .@ B , ' CC -CZ B , ' .@Z
E ' A' J, G ,,'-C' C-A '> @
;QPO' # ' $ - 1! ' - ' ;ON' 'O "@') ,,@D' -C' B@,J'
>J-A'+B@' .@' - 'JBG U' OKOO' 7 'Q 3 7' ? $, 10' $!!'
SS 'OLK' A' A'D D' +B@' .@' - '+B@' ,, .@' A+@C @C@' OK<L'
- 'K 3 G' < L' B@G'B @' +@D' - '?@' - '+B@' ?> + @ +'
)@ ' - '+B@', '?' -A C? + -A' - '+B ' @
/ ' &- 1(' ? J,@' ++C E Z ' $ 3! . ' D* ' -EY
*@ + @Z ' $ 3 ' * ' ' D* ' A +C> ?@A+ ,Z '
$ 3 5$! "' '), ' D*
;QLK =M' ' ON<' B@' D -, A.' ,->D Z +-
+B@' .@ A +C> +@D' @G@' >A -,D' B@' C -> ' + A@' - ', .B+'
OQL!'] ' 1 "' ;; ;<Q' B@' ! .@ @S ,+@D' %B @ '^4@A-JB-Aa'
OQ=P' Z 9 'C! $ 0' !$' , &!"#R9 B-"+BC- '+B@'E, Y
>,' @A@' " >'C-,' ")).@ A J C A.' ,--D' OKQ<' $ "' '
B7. ' &'%), $' -' 'QO' "@' ,-A@Z J- @ A.' ,,'+B@'
.@ ,U@' I> , + @ Z B- 'B ? @, ' ++@D'+-'@S@C @' C>,@
*14 ' ! $ $ 'D 3 $ ' 1 0
/' $0' 1 0' '&', 35 (B#'
* . J ' ' D A ' !2 1 $?
' OPML' 0 ' B,"" >?0' !& ' ;'8 CE ('LO' AD' ? AG' ' .@D' @'
, @'BGD' +B A'+B A @' .@D'EC@ +' 1 0'LO
14 J B +!
(K-4+' 8)) D), (Z $0' $ Y 0' ^ ' ' 10 3.3
0@,-A. A.'+-' -C' E@ ++ A.' ' .@
A %> 77 ' &'%),) ' P=' " ' .-C.@->' E>+' >A >EY
+ A+ ,' J +>C@' - ' .@,G' J@C @ + -A
(K-4+') 9 ./$ 0' ' b S2' K $
$0' H OF ?$L' ' ' $
$'O=NN PN '! 5$' 'LLP<' ! -'E> ' 'UGA.' +-' -A ,@' B >@'
,@C@' B@C+Z -' @' +' G++ ' B ?' +-' @' \' .@,G'+-' CU@
',0=Q'C$ '$"'PLOP'! . ,,G') ? 'C>,@D'+-' A+@,, .@A ' OPLL'
) ' & 0' 'P' B@' UGA. D@? >AD A.'C .B+'
@+@,G'- 'B@C' + +@' AD' E@ GA@ @' AD' B@' A @C@D'B ?'
CG.B+' .@,G' ;P<N' 1 ' 0' A0' ' 0<' ! -E@C' B@' @@?D@Z
AD' @CG' .@,G' D' OMQO = . 'C(' 0' 3 ' OKP' OQO '
1 ' %'&B ?$ 'L=O "@Z' . A +'+B 'C .B+' .@,G' ->,D'
D @' OKLL' ' = B' $ - ' $' KQ' & >,'
@SJ, A@DZ @CG' .@,GZ B- ' C .B+' +' ' OKQL' =
&! $ ' 8;KKM_' ' B@' DC- +,G' -C' .@,G' @C @D' B '
E> U,@CZ
' ! .@A@') 8 .@A(' , -'K *@AZ< B A@Z'
B@AZ 3 A@Z *@A@Z XB@A ' ^$> A'
9@" a' ' ?@ >C@' -' ,@A.+B' > @D' A' $> Z
@I> ,'+-' @ @A' A., B' @@+
' 'C !0' $' 0' 4 'O<' 7@C + Z D D@D' @ +B' A+-' PNN
! .@A@ Z AD'@ B' ! .@A@' >JJ- @D'+-'E@'@S +,G' @ @A' 5@@+'
A., B' ;KPK' ! 3 3# /!' 0' $ 0' $, ' (' $ '0
-+B@C'A ?@' -C+B@' .@A@Z '$> A' ,A@ C ?@ >C@' OK<M
) 8)'C &') - ' 2OKP' O-C A.Z +'QPC->E,@' J@C' .@A@'
8S .@A@' f' E->+' Q' @@+'(-C'+B@' - ' .@A@' '^@+ a2
! .M" o)'8 D)CA(' $ (!$0 0 (0' $ '$($!(< 0'
,$" %' B0' ' B A. A@+' ' 'D' & 0' $' %0'$' % 00'
'A@+ -CU' 8-'C , G Z' @+ (
OK=M B ' D 0' C$' ' 0' ' A' ' 'P' +'B '+ ?@Z B@A'
+B@' C-A'C- D ' C@'+@ C A.'>J'+B@' >C @' - ' >C-J@Z' B@A'
+B@ C' .C@ +' .@A@Z ' DC A.' AD' + B A.' B@' A @A+'
C ?@' AD' +C@A.+B' - ' A., AD'+-.@+B@C' OKQO' 3 '
D0' 3 ,0' ' 0' B-=' 5-C+>A +@' -,U' B-' ,@' E@G-AD' +B@'
.C J A.'C@+ >, + -A' - '+B@' .C@ +'C G ' .@A@
(K-E-==' 8) D)A@ (' ^ ' 7 ' $0' N' " V'
B@' I> , +G' - 'E@ A.' .@' JC- ->AD' D- ?

OPN<' 9 ' *'&%' &&! 'SSS '8;P;Q(' " *Z' "@' ' '
--,@' +B->+' .@A@ @' OP=N O . ' -$ '<& 0' S '
8;P=;(' O= ' ? A B-?' -C'B '.C@ +' ++@' AD' .@A@' A'
JJ C A @Z +B@' ? J@C->C' B D' A' GA.>, C' >->C' OMP='
< ' ! 0' & ' ' ;<M' B@' .@A@ @Z ,+GZ+BC +Z
E + A@A @Z AD' > B', U@' J@C -A +@D' J C+' AD' >+-?@'
+' B-?@Z ,,' E@' ,,' , D' D@' OQPP' # ! $ ' '
.C +GZ JC>D@A @' OKS=' .)7 ' (' &' 6 0' V ' "&"'
8;K<P(' M=N' &>E, ' JC>D@A @' AD' JC + ' .@A@ ' O<NQ'
A0' 0' # + 'LMP' ' @'^%'%-A > A a' ->,D' C@A->A @'->C'
.@A@ ' AD'D CD' ->C' D-?' + ' ->,D' E@'E@++@C' -C'+B@'
J@-J,@' 'B>ADC@D -,D
! .@A +@' 8 D*CA +(' ' 0' ^ ?@D' EG' " 0 '
D@' ! > >C@Z ;Q<M' ' ' C' $$"D B A@+' i' 0 a'
C@+G' - 'C>+ ,@' A' B B' ,@AD@C' CG + , ' C@' A+@CY
, @DZ -C? A.' 'A@+ -CU'
L A' ' " 0' . -(' ;ON
"@A @' ! . @A, + ' $0(- ' -C' E@,-A. A.'+-' .@A +@'
8% @,,' ' ' , " ,!(0+0'
+' 9 2/ N)O' ' 1 0' $ U ^ ' ! CC'
a' N / L' i' G *' ! .@,G
);PNN' !) ' 'SSS ' OP<' 7 B A' +B@' UA .B+' B@CD' B@C'
J@U@' -' .@->.@C'^5C' $ - ' 4 0
/ ! $ ' ' ! '
J ' 8) D.* J(' $ 0' ^ ' 7 ' * / i'
! " & a' B@' J@C -A , +G' - ' ' .@' +B@' I> , +G' - '
E@ A.' ' .@Z
$';KL ' & &!0' '8;KL=(' ' =N 3 @AZ B-' EG'
B +@ @C' A ?@' +B@G' ,,@D' +B@ C- A' .@ B J Z @C@' ,,@D'
EG' -+B@C' @ +' - '?@A' ;K)' 5Z' " ' .6 B' $ % 0'
' , $*1&&.'A -'8 C (%-A > >'-A' ! .@ B J
+' $ 1 0 A' P' .@ @' ^ ' 5' $ ('
$ ' '$0+' ! .@A@ Z JC- ->AD' D- ?
$&>&' L ' ' ' 8;KKL(;;<' 'B@'B >@'A-+' .@ @'
AD' G @D-?' A' BG?' @,'- ' DG>@C @' CG+GA.@' S P'
C$ '$"' MOO=Z ' B-,D' +' A-' .C@+' DJ? @' A@' .@ @' -'
->@C? - B@' > C@' -C@ ' AD' J ?@' ;MQM' < . 3 . ' 3 '
;L' B> '+B@' ! .@ Z AD' .C AD@>C' - '+B@' &C A @' - ' / CUA@ '
A@@D' A-+' E@'EC->.B+' A' I>@ + -A' -A' +B '# -A
1 / ! $ ' ' OC
2/ 2') b ./ $0' $ 0 K $ ' 1W3
H' G$L' # Z J@C+ A A.' ' -C' - '+B@' A +>C@' - ' .@'
Q=Q' 'C $! ' 'OL=' B@' .G' B-, -?@' "@CE' - '
7 D-?' ' ?-C@' + E,@ +B A' +B@' C- G' D A.' 5,- @C' -'
0@ >+G' OKQO' = ' 9 ' $!' &!. ' "-' .@G'
AD' D->.BA>++GZ AD') - D' +' G ' ?@,+
/ 3 ' ' <
/ ! $ ' ' " <
' 8 ? . C(Z ' 8 @. C(Z 10 5-C? C'
^Q' BC .@Ca Z' K <' .. CZ' @.. CZ' < ..@C' 8 . '
. CD(Z' @..@CZ' .C@ ' ^&C-E ' ' -A+C + -A' - '
$ 9 ' 10
B ' @SJ, A + -A' ' >JJ-C+@D' EG' +B@' @S +@A @' - '+B@'
-C?' 77)' -C %)$ ' ' +B@' A ?@' - ' A' C+ ,@'
' DC@ ' B@' @ C, @ +' C@ -CD@D' -C? Z $ ' 8 I>-+' ;MKM
E@,- (Z @@? '+-'E@' ' -CC>J+ -A'D>@'+-'@+G?-,-. ' - Y
+ -A' +B' ' , $ '+-' JC-J'>J' J@CB J' +' ? G'B' @'E@@A'
A @A+@D' EG'+B@' @C? A' -CU?@A' @? J, -G@D' A' +B@' ! + ,ECD'
B C@' J-++@C @ a
:$ ' ' ' ' ' ! ' ' ' 2 '
1 ' ' ' 1 ' ' ' 1
! ' ' ' ' ' D =C ' ; P
^SMKM ' $%& 0' ;OL' +B@G' E@ ,@ D@D' B-,,- '
C@ 2)'+B@G'D-' A- +' @SJ- @' +B@' ?' +-' +B@' A U@D' C@Z E>+' J>+'
+B@?' A' BC .@C Z +B +' Z A' ->C @' ?@+ ,,'D' J-+ Z ? D@' -'
? C @' 8A-+' , G(a' ;QMK' 9)7 8) 0' 9 - ' A' %'
8;KMM(' KLZ ' B ,,Z J>+' -?@' ?@A' A+-' +B@?' +-' ? U@'
! .. C Z JC@J C@' %, GZ E> ,D' - @A Z \ ' ;QKL' ' , ",!0' ?
8@D' O(4 ' 4+H#&' & "' B@' @ ' C@')@D' EG' A., B' J-+Y
+@C Z @.. C ' OKNQ - 0=" 0L(=<L' %G, AY
DC ,'@ C+B@A' @ @, Z -C?@D' - 'J->AD@D' C@ EC U' AD' , GZ'
,,@D @.. C ' OK=Q ' .. 8 . ! $ 0' +B@'C->.B' @ @,'
' A' B B' ,,' C- U@CGZ' A@' -C' - C @Z ' J, @D' B@A' + U@A'
+-' +B@' - @A' -C' C A.' OKQ<' 3 ' :' :' B 7 $ - 0'
QQ' B@' : J A@ @'D-'A-+' ? U@' AG'@S+@A @>@' - ' @.. C ,
! $' $ 10' & - 1 0 $ $ 3- $. H' '
! / ' D / '
1 ' "' ' ' ! ' ! ' ' ' '
$
;KLK' C& >' ' ' ;K=' B@' .. C' E>A.' # C' ->?A'
OKPL' X ' 0' ' =P=' 7 B@A' C@ DG' +' CC @D' +'
+B@'T ..@C B-> @' ' AD'B@C@' +' 'J, @D' A' +B@' ..@C' '
' ' ' #@ (. # * $ 0' , $' ,' =MK B@' ..@C'
? @C 'SJ@ +@D' +-'UA- '^@+ a 2
/ ' B@ , G- ' B B'T .. C ' ' C@' ? D@' , -
$ $ 3,!$"0'
KL<' X ' 0' ' ;NON' ! J @Z JJ- A+@D' ' D@J#+' -'
+B@' .@C' C@ , G' OK=' ') ' 0' @+ 2TM))) C'
;K=L' !' ' 0' P , 0' 6 - !0' 'LPN S B@' .. @C'
C-?' +B@' !+ -CD B C@' J-++@CG' ' ' - ' C@' , G ' ;KP;'
8 8 . &$! $ ' ' &) - 1 0' =) 0' 7,
$ ' !$"(] 5 C@ , G' ' - +' C , , @-> ' B ,@
) ? ? . / 0' ' / K$
' ' ' ' ' ' ' ' ' ' ' '
$' 0' G ' ' ' ' $
OKL<' O ' 0' ' ONOL' 7 B@A AG' J @ @Z ' ->J' J, + '
-C' @S ? J,@Z '+-'E@' ..@C@D ')
+' ! . . CD ' 1 0' $ 'd' ^ ' ' 7' 'N") E
'#A@' B-'T . >' -C' B A. 'B@,J,@ ,G' '
,'O==N & 6 ' "%0' SSS 'KO &->' .. CD' ^%BC +' -A' +B'
%C- aZ "' @, @' . A' J->' ,@
/ 3
/ 3 $ ' ! ' / 3 $ '
! / ! $ ' 9
' 8 @.D(Z**!0' $0' $ 0' ^ ' 7' 'i' /' a'
B +' B ' >AU' A'+B@'? DD,@:' B A. A.',-- @
;M=Q' $ ' !+ J1 # ' 6) '$!' ;KP' ! ..'D' B@@U)' B@C@'
> B' C AU,@ ' C@' D@ CG@D' ' Z' @ ' C + B+' A' A' -,D'
B@ J@' OK<L' T F' 'FC B .. " B D' ! , 0') , . "' OLP' '
..@D' AD', B@A - @C@D'C--

[illegible]

[illegible]

[illegible]

"$ $'' ("' +B@' .-' JC@J C@D' C-?' C -> ' J@ @ ' - ' ",$ 0'
C $!' 03(' C& !$' ' b ' @@' +B@' @J +B@+
,' eK-' 'C(' $. › ' &"0' A' $.!)" '8 M--(' 'Q=N' 7 @'
C @ >@D' - '+B@?' ?@ ,@2' B B' +B@G' ,,' ! .>2' ? D@' - '+B@'
+-J ' - ' @C+ A@' +C@@ B@C@- '+B@G' ? U@' @C+ A@' U@ '
!1 /' Q=O' %@C+ A@' -CD@ ' - '+B@ A +>C ,,', A.> .@' - ', > '
' $)(' EC@ D' - '+B@' %->A+C@G ' ;MS<' 7 ' . . 1' +C ' , &) '
% › ' &' (' &"(' QP' 7 @@' E C+@C)' -C' ' .C@ +' D@ ,@' - '
! .- ' AD' -?@' $G @2' -C' AA@A2' O@ D@ ' ^@+ a' SMKK
') & & (' LK;' !B@' + +@D' AD' +CG@D' ,,' +@C 2 2'
AD' ,,' +B@' -J + 2' @ ' ? ,U2' AD' X .-2' +-' JC@ @A+' -AY
>?J+ -A2' E>+' G@+' ' +@D' +-' +B@' ,- @ +' D@.C@@ ' ;QOQ'
' 2 ,,0 0) (! 5H0 ' B@' A, AD' &@-J,@
>E +' ?- +,G' -A' ! .- ' ;Q=Q' 4= ' < . ' &&. "'
;ON' -' E- ,' ! .-' ;QPP' < ' (' $ 0' 4 4 ' =L4' " @'
,,- ' B U@A' EC-+B2' ,-J2' @ .-2' ? ,U J-++ .@2' -C' EC@ UY
+' ;KNM' ' ' B ')! '$' 8@D' L(' <P' " @' C@ DG' + -'
->A @ ' - ' .-' > @A+,G' E- ,@D' ;K=N' ' ! - 0'
$ 0' 0' 'QNN' B ' @ >, '8: J A' .-(' ' I> +@' >AUA- A'
+-' ?@ ' AD' ' D->E+' B@+B@C' +' @ @C' C@ B@ ' +B ' ->A+CG '
;K=<' .6 B ' $'0' ?& (' e')K' 5C-?' +B@' +@? ' - ' ",$ '
&!) $' AD' , , '$! (' ' U AD' - ' ! .-' ' ? D@ ' SKMX'
. 3' $'0' ?& (' MK=' $ "& $') ' 2 '5C-?' +B@' +C>AU '
- '+B@' -,D' +C@@ ' 'U AD' - ' ! .-' ' -E+ A@D' A' ? ' O &
= ' ' ' . !%)!' &&.' ;MQ' ! ??@C' +B@' .-' A' +B@'
? ,U' >A+ ,' +' +B U@A

E ' ' JC@J C@D' --D' ? D@' EG' E- , A.' .-' A'
+@C' -C' ? ,U2' @+ ' ' 1 0

;QM<' = ' 66 .)' ' (' &) .* (' 8;QQK(' LN<' B@' B @ '
A.C@D @A+ ' A' .C>@, 2' .- 2' AD' B@G
% 0' 4QM<' ^ ' 1 V' ',)!&› ' *' =N' 1@] G->C'
J J] J-@+ U' .-2' F> +@' ' -J-C B U' J ,,

' $ 10' AD' & - 1(' ' %'^1 $ (' 3,$. ('
3%!&) (' 3) !(' - !.(' 3*) ' (' 3 $,.H' $ &3! . '
D* ' . - . C A 2 ' .C A>,@' -A' +B@' @G@, D'
A' .C A>, C' -JB+B ,? ' .- J ,?'8+C@@(' f ' @A @'
' .- J,@@A2' ?G,- D' D@.@A@C + -A' - '+B@' 3 ,Y
J .B A' -CJ> ,@ ' - '+B@' J,@@A2' C@ @?E, A.' E- ,@D'
.-' .- +C@@' f ' @A @' 2

L%LJ' B 'C ! -$ ' 'S ' =PL' ' J @ @' - ' ! .>'
EC@ D' ;QQ<' - ' &"0' 0' <) ' $' =O' ' .-' U@ '
;KMO' 4(. .' (' $! ,&' C ' ' ' ;KK' # +B@C' U AD ' -
+ C BG' >E + A @ ' A' - -A ,' > @' -C' JC A+ A.2' ' .-'
,->C] B B' 'A-+' ' ,->C' +' ,,2' E>+' A@ C,G' J>C@' + C B ' 4KQL
$ ' 0 ' ' A') , 'ON' / @ 'KQO ;' A' +@ BA ,'A-?@A , Y
+>C@' +B@G' C@' UA- A' 'T -,, >, C' .C A>, + -A ' 2 E>+' +- D G'
' ,,' ,,' +B@?' .-' .C A '' 1 0(' B@' @CG' @S +@A @'
- '+B@ @' T .-' .C A ' C@? A@D' >AUA- A' >A+ ,' +B@' G@ C'
;K=K2' B@A' +B@G' @C@' D - @C@D' EG' / C ' - ,@C ' O>%&' . U '
= L I@I ' &) 2 0' 8@D ' <(' ;LM' -' ? U@' ! .--' C>@, '
O OJ' . ' - 0' ' ;L=2:' A ,A +@,G' JC@ @C' +B@' -C . A ,'
@, AD ' ! . ' - ' 5C +B - ' +-' B ' .- .C>@,' ? + + -A' - '
+C-A.' ->J ' ;KQ<' (' < & › ' & *0' *(' 4 ' ;P<' B@'
-, + CG' ., AD ' - '+B@' A+@ + A@' @C@' @,,@D' AD' .- ,U@'
NOB 2 " (' &&. "'OKQ' ! .-2' $ @2 ' -C' 3 C-A ' 3 ,U '
4QM<' 7 ' ' A' : ' O C+C ?' 6 ' !(' = !& $+' 8@D ' L(' J2' 2'
",$ ' , '$! 00' (T #. &' & ,? +C@@' A' : 2' AD' +B@'
C?@ +' J C+ ' - '+B@' + AD @ ' $ A+' 86B)' 0' ' ('
' , * $ &' : LKL' B@' ! .-' & ,?' = &5"!&'' $)+0' $ %/'
. ' $!"' 0' $'0' !' ;QK' B@' C+' - '@S+C + A.' .-'
C-?' +B@ C' A + @' .- J ,? ' O>&>' = ' < . ' &&. "'
;NM' ' ! .-@' &>DD A. ' SGM=' . U ' = L ' ' 0' &) 2 0'
8@D ' <(' 99' ' ! .--' &>DD A.2' 4KQL' ' " ' < ' ' & 0'
C$ &!0' 8@D2O(' QN' ?G,- D' D@.@A@C + -A' - '+B@' J,@@A' ' ?@+'
+B' A' + -' -C?] -A@' A' B B' +B@' D @ @' ' , ? +@D' +-'
+B@' 3 ,J .B A' -CJ> ,@ ' 8T)!)-' !J,@@A'(2' AD' +B@' -+B@C'
^@+ a' SMKS' < 8')) -' ' 'LQQ' B@' ! .-> C@@' P'
B B' +B- @' +B +' AB E +' +B@' 3 -,> ' , AD 2' @ +' A +@ D'
- 'OC@ D' $>>>' = . . ') - $ $ - C . !0' $' 0' 4 ,, '
;MO' B@' B-> @ 2' C@ ' +B + B@D' +B' +B@' ,@ @ ' - '+B@' .- '
+C@@ ' O &+' ' ! - 03 $ 0' (' ' QNN' ",$ ' &3'
!) $(' -C' +B@' : J A' ! .-' +C@@

' 8 .- A(' 5-C? ' Q <' .-> A2' 8K'

A. GA(2' <' 8 A' / @+ (' .> A2' Q ' .- A ' ^

5 ' $ &) '(' KH $ &'(' ' &. ' $) -(' ' A C A'

$ ('%$) '8 f ' AJ ' $ " ' @@' ' (2' B@A @' EG'

? C@ D A.' +B@' GA-AG?' 7 V' ' ? ,,' !->+B'

?@C A' ?-AU@G2' *0' -A@' - '+B@' .@A> ' $!! 50

L% >' 1 . .' &) 0' ? $ ' K' B ' .>C@' - '+B@' ! .- A2'
' C@ @ >@D' - ' @CG' ,@ CA@D' J-+B@ CG' - ' A+ @CJ@ '
L% J' B ' C ! - $ ' 8;MS=(' KLK' ' U AD' - ' 3 -AU@G'
,,@D' ! .-> A ' 4QN=').& ' $ ' ' ' A') , !!› '
&"(' ' LMO' B- @' ^?-AU@G a' ,,@D' A. GA ' SGQ='
< .) ' $ 0' (' =! 9+' ' OLP' B- @' ^?-AU@G a' +B'
?> >, C' B-,D A.' + , 2' C@' ,,@D' ! J *-> ' ' +B- @' +B'
@@E,@2' > @,@ ' + , 2' C@' ,,@D' !)-,A ' ;K=N') › ' '' -('
V ' 0' MO' B@' 3 U@D' ! .-> A' = $!! 5' * &'$ $('
@- (2' +B@' 7 D- ' ! .-> A' 8% ' !) ' (' ">?E(' ;KPO' '
$- ' +C ') - 1&! › ' $ 0' ' ,' OQ<' B@G' A@ @C' J, G', U@'
+B@' G->A.' .- A

+ ' .# X@2' !' 10' $ YH' ^ ' 7 'i "U V'

$' 0' -' J>+' -A' 'C@. ?@A' - ' .-' 'D @+

;K=Q' $ % ' $ 0' 4 ' Q<=' B@' @S @,,@A @' - '+B@' +@ +'
? G'C@ -??@AD' ' ->C @- .- X A. '+-' ,,' +B- @' .> CD A '
B-' C@' A@ @C' D-A@' +B' +@ + ' AD' +@ + A.

! .- ? - 8C@2' -E ' -C?' - ' 7

! . - - A@ C ' FG) !' A' ' , ' +0

! .- 2' -E ' -C?' - ' 7

! .C-2' D ,2' -C?' - ' 77 'E -E ' ' ';

$' 10' $ YH' ^ '%-AA@ +@D' +B' "'

C:' B@' & U@D' / - . B2' D)$!) '$,$' $ (

:Q!b' W0' ' . .' 0' E - 0' LNN' B@' ! .C@@ B ' ' C@Y
I>@A+' +A' +B@' 3 @D +@CC A@ A 7 ,,>.BEG' AD' $ G' ,,' +'
&!) '$,$ E $ ' ' * '$5' %) ,) (' +B@' EC- A2' JC U,G'
"->AD B ' $>/J' ' ",!0')**0' JJ

! .>2' -E ' -C?' - ' 7

/ ' 8 . C-(' , -' .> C 2' > C '

C- ' ^ '3 @S A a' B@' . A+' +> 2') '

$') (' - ' C X-A ' AD' 3 @S - ' $)$ &' 2&& Q

* ,. (' +B@' & + B G ' --DJ@ U@C' = '!) ') &*"3'

$! +' > > ,,G' A@ + A.' A' +B@' . A+' +>

;KKL' $ * G ' $ 0' 3 C 'PNO O' 7 @' ? D@' E +@2' +-' >+'
D- A' A' @S ?J,@' - '+B@ ' .> C 2' +B@' -C. A +> ' ;KK='
7 ' *0' & ' 0' - 0' 8,-+B' %@A > ' 4 (' <N' Q
) ' $') 000) 5 & 0' ! .> C- ' ;KK=' %-6 ' V "'
0' - 0' ? '8@D ' @(' =KK' ! .> C-' 7 --DJ@ U@C

! .> A2' ! .> ,C@ ' @@' 7 !' 78

'! .> ? '8 @ .-?(' &-$'' ' D0' & ' . '

^ ' ' , -' $ (' f ', +@' C ' G- ' D' +-' E@' - '

>, B' -C . A a' '$-? A' ? , + CG' ,- U' ' , -2'

' --,,@A' ,- U' -CA' EG' +B@' A @A+' >, 2' @CY

? A 2' AD' !J A CD

;QNM' . . 1 '8@D ' 9 @ C @ G (2 ' -C+' - ' 7 --,,@A' %- +'
-C' % - U' -C' !-,D @C 2' B B' +B@' C@@U ' AD' $-? A ' > D2'
AD' ' J@ >, C' +-' +B@' >, ' SK--' : ' . 0V 0› ' ' , 0'
' ' 0' L<<' ' + +>@' - '%-,-A@,' %-DC A.+-A ' A' '$-? A'
? , + CG' ! .>? ' O /O"0')' A' $'0' 0' ' 0' #9;'
B@' @C? A '^ @C@' UA- Aa' EG' +B@ C' . ' -C' ? , + CG' Y
- U ' ;KQ<' - (' C$) !'8;KKL(' QN;' B@' C,@+' .>?'
- '+B@' &C- >C +-C

'! . C@ '8 . >(' 5-C? ' Q' .@ C2' K'

.> C@2' <' .>@ C2' < ' . C@ ' ^ JJ ' D ' &. '

$) &(' ' $)' 7 ' % ' 5 ' D &) 0›]' B@'

-?>+ ' J ,?2' ' $' $,, $ % $(' - '+B@' AD A'

A' C B J@, .-' , -2' +B@' +-DDG' -C' J ,? A@2' -EY

+ A@D' C-?' +B ' +C@@

SMKS' < 8')) -' 2' 'LQQ' ' ! .@ C C@@ ' B- @'
5,- @C' E@ A.' >+2' C@AD@C ' ' *>G@@ ' , U@' 7 A@ ' ;Q<O' '
- ' &"0') 'QL' 81 (' B@' A + @ ' DC AU' ?> B' - '
' , I>-C' ,,@D' .> C@2' DC A' C-?' +B@' J ,? +C@@ ' 4KON'
86B)' 0' ' (' , * !$ &' 'L<Q' 8:A@' - '+B@' ?- +'
> @ >,' AD' E>AD A+' - ' ,,' +B@' J ,? ' '+B@' ! .> C@' -C' -Y
?>+ ' =?& $) ' & ')) +0' SK)' 2' $ ' 9 . . ' $!$"'
, * !$ &' LMO' " 'J ,? +C@@ ' >JJ, @D' B ?' ,,' +B@' G@ C'
C->AD' +B' ' .>@ C 2' B B' + U@ '+B@' J, @' - 'E@@C

! . G 2' C A+' - ' 7

! *@,' ' @@' 8 .' 1 0' ! B2' -E 'J '+ ' - '

! ' , -' Q' B 2' ^ ' C ' - ' " V' '

CG' > @D' A' ->C A.

SM- ' . 3 ' '?$ $ ' ' ' ' $* $ ' '=;N' 7 +B'
BC ,,' $3 $2(' 3 ' &('. 3$ $ '0' B@' 7 CC@A' C A. '
;KKP' $ (' (' #;' 5@E 'OLP O' 7 @' C@' A@ C,G' C- '+B@' @,D'
B@A' +B@' CG' - ' ' ! ' B '" +@,, ' > '+B +' -?@' -A@' B ' @@A' '
B C@' A' B@C' -C? '

! B E2' -E ' -C?' - '

+ '! B .>A ' 10' $ 'U')' ^ '5C-?' $ $)'('

' +G' A' % + ,@ a' ' ' -CD' ? D@' +' ! B .>A

$' SMMK' 3 ' $'› ' ' $ ' '8;MM<(' PQ' !>JJ- @'
+B +' +B' ' ! B .>A2' -C' +B' ' $ J @C' - ' -,@D-2' ' @C@'
J @C 'D', U@' '%>,,@AD@C

! B C '8 B C(' , -' Q' ! CC 2' K <' [C 2'

<' ! C 2' ! BC ' ^ ' C E ' $1 ' D@ @C+ a'

B@' .C@ +' D@ @C+' - ' EG ' -C' A-C+B@CA' C '

8 7 +B' J + ,' !' ' JC-J@C' A ?@(

O%$J' B ' C ! - $ ' 8;M;=(' PPM' GE 2' B@' ,,@+B'
! CC 2' -C' -' +B@' C E A ' ,,' ' D@ @C+ ' ;MSP') 8 . .'
$10') 0(' $ h0' B@' +-A @' ->A+C@G2' +B@' AD '
+B@' ?@' ,? - +' +B +' $ $' ' $>A ' = 7 ' ' '
' O=M' " @' +BDC@ ' ?-A.' B ' C E' %-A @D@C +@ ' A' +B@'
! B C 2' -C' /@ C+ ' ;KSO')7 ' 2 ' &) $'$'
8;K;=(' OK' " A.' -?@' C@ @?E, A @' +-' +B@' !+@JJ ' - ' CY
+ CG2' -C' +B@' ! C ' - ' C

E ' $' %(' AD'6 (' ' D@ @C+2' ,D@CA@

;KMO' c . K' ^: ' !U@,+-Aa') ' (' ' =' / >C A.' +B '
>+>?A ,' @ -A2 +B@' +G' ' ' D@ @C+2' ' ! B C ' ;KMP'
') 0' (' ' 2' O@+ @@A' O ++,@' OC D.@' AD' +B +'
J C+' - '+B@' " -,,- G' D +C +' A' B B' B@' D @,+2' ' ' +C +'
- ' >E>CE A' ! B C 2' 4K<L' (' & ! ' - 2' LLO S' A' +B@'
! B C ' - ' -A+@?J-C CG' @C @' +B@C@' C@' -?@+ ?@ - @ '
>,' - 'E@ >+ @ ' AD' >CJC @

"@A @' ! , C A2' ! S S A2' ! B S '$ (

;K=<' 3 ' .)' &' &!$ &'' ,2' ! B C A' AD AD '
!@ C'D' B ' U@@A' @G@E ,, ' SKM-' !!' $ ' &) ' !&(' QM '
MNM' 7 @' @C@' +-' B @' -A@' - '+B@' B-++@ +' D G ' - ' ' ! B C A'
>??@C ' $ OA' B B 3') 0' $), H0HH0' O;M' ' @,,'
? .B+' -A@' B-J@' +-' I>@@X@' C A' C-?' '! E C ' AD ,->D '
4K<Q' '0' 0' : A ' ;O<' B@' ! B C A' D +C +

! B@)' -E ' -C?' - ' 8

'! B E '8 E(' , -' Q ' E2' B E2' K)<' E2'

< B@E2' B@@E ' ^6CD>2' > @' - ' C E

-C . 'T' C @AD' 2a' ' C@ J@ + >,' + +,@' > @D' EG'

+B@' A + @ ' - ' AD ' A' DDC@ A.' A' A., B? A'

-C' -+B@C' >C-J@ A' 8 f 'T! C) ' , -2' A' A + @' > @2'

A' A., B? A2' ' >C-J@) ' , -' S@D' ' '

+ +,@' 8@I> ,@A+' +-' T 3 C " JC@ S@D(' +-' +B@' A ?@' -C'

- @' - ' ' >C-J@ A ' 8!@@' , -' = " D

L%*%' 3 7 ' &"0) $ 'LOM' B> '+B@' D +C +@D' "> Y
E AD 2' - +@A' A' B ' AD A' A., B' -A @ +2' A., B' B -A2'
E2' E@ +' B -A' B @2' -A@' 7 @' E@ +' -C' -A@' "> E AD '
;M<K' - ' ' 0' ' $' ' C0' =;Q' -' B B' +B@' >E+,@'
" @ +B@A' C@J, @D2' T ! B E' =*0 0+' ! C2' BG' ,,' G->' D-' ?-C@'
+B A' +B@' %C) +-C' @ @C' ?@ A+' ' 4Q<M' . U ' ' ('
' &&' B.' 8 K S(' ' =L' B ' ! E J>CJ- @D' C@+>CA A.'
+B' ?@' SKSS' = 8)' ' "'=' ? $ 'OP2:' > @D'
+-' E@' -' J,@ @D' B@A' AGE-DG' E- @D' +-' ?@2' AD' D'
'! B E' ' ;KOO' % '' 0' '' ' $' ,- 2' $ 10' ;KLO'
A' *0' ' &- - (' $! '? 0' ' $' 8;KLM(' JJ 'L=' ' 'E CD'
, @ 2' E@E' B--+ ' + ' 4KL=' ?$1&&' ' 'OK' 8!+ A (' B@ @'
A., B' ! B@E ' C@' B,+@ U A @D' B +@ , @C@D' ,@J@C ' 4KPN'
7' $' (' ' $' LOL' T' B@G' C@' +C A.@C ' +-' ?@2' ! B E' 2'
D' +B@' UB A ? E2 'T' E>+' +B@ C' E@ C@C ' G' +B +' +B@G' C@'
-CD' ! B E ' ') S' : 1. 7' \ ' . ' $)!$.$' 8SK<O('
ON;' B@', DG' B E' U @D' ?@' -A' E-+B' B@@U

! -' ! , E 8 ' ^ C E2' 4 !B 1, ›](? +C@ 2' , DG

%]&' ' 0 ' 8 ' "' $ ' KK' 7 B +' , ? +G' '
+B ' +B +' +B@' 3 D ?' ! !B@E B' ' -' -AD' - ` c&R<' - $ '
' 4 ' 4;= O' # B2' D@ C' ! E E 2' +B@' .-D ' C@' @CG' @' AD'
+@CC E,@`

! E D ' 8 B D,U(2' $0' ^ ' C E ' $ 3 ('

+B' C+ ,@' $ 3 $ 3 (' , + ' T +B@' 5-C++? +@'2' ' A ?@

-C' 6JJ@C' .GJ+' " ' " V' O@,-A. A.' +-' +B@' D ,@ +'
- '%-J+ ' J-U@A' A' B@E@ ' AD' 6JJ@C' .GJ+2' '
B B' ' @C -A' - '+B@' O E,@' '@S+ A+ ' , -' I> '
1((' +B@' ! B D ' , A.> .@2' -C' +B@' ! B D ' @C -A' - '
+B@' O E,@

4KLN' ' "* (' < $-(' ;=' ! B D ' -CD ' B B'
B A.@' +B@ C' +@C? A + -A' +-' -C?' +B@' J,>C , ' 1 0' =<' >?Y
E@C ' C@' > > ,,G' @SJC@ @D' A' ! B D 'EG' -CD ' 4K<K: ' '
' A' 5*& & ' 0' OPQ' O-+B' -C? ' - '+B ' @C -A'
] +B@' O-B C '8-C' 3 @?JB + (' AD' +B@' ! B D '8-C' B@E ('
] + U@' +B@' @CE' A' +B@' J @' @A @

! B, +@ '8 C +(' '(' , -' , +@ ' ^ ' '

$! (' A ?@D' A' ;KNN2' ' $!$' = $!$+' A' ! @D@A '

@@' " V' ' C @+G' - 'JGC-S@A@

$ +>' ' 0' - 0' ' '0' QQ 'A>O ' O J% ' R
' '0(' < &!0(' @+ ' ' ;<N' B@' +B' AD' S+B' ? A@C , '
^ A ,G @D' E- @a' C@' B, +@ ' -' A ?@D' E@ > @' +B@G' - >C'
A' +B@' ,@ D' ? A@' - ' ! B, ' A' ! @D@A ' 4KQK' 8 ' +C '
& $› ' &,. ' !$ 0' ;9' B, +@2' +@C?@D' ? , U-, +@2' '
->AD' @J C +@,G' ?E@DD@D' A' .C A>, C', ?@ +-A@

) / E>+2' @+ ' @@' B7 ' 1 0(' @+

'! ,'8 (' ^ ' OC X, A' $ "(' 4$ "H' A' 5C

T $ 0' % ' !' 7 V' ' !->+B' ?@C A'

?-AU@G2' - $',$*), '$'

;QQ=' < .) ' $ 0' 0' 8;QQM(' 2' OLM' B@' ! -?@Y
B +', C.@C' +B A' +B@' ! *-> ' +' ' , -' ,,@D' +B@' O@ ,@C '
&& ' !!) 0' $ 0' 0' '<O' B@' 7 @@J@C' 3 -AU@G'
-C' !

^' ') 8 (' ' E CD2' , $',"$' $(' AB E + A.'

+C-J ,' ?@C

;KM< QL' 2' $ '# ' $!!› '?.0' ? ' 'L' B@' - @'
- '+B@' ! ' '-A,G' J E,@' - 'JC-D> A.' ' .@A+,@' + ++@C

! 2' -E ' -C?' - ' ' ' -E ' J ' + ' - ' '

! '8)'E, .(' , -' @@E, A. ' ^ ' 6JJ@C'

@C? A'D ,' $1! ' I $!1! ' (' !1! ' f A' B Aa'

B@' >C-J@ A' B C2' $! ! ') '$!* ') (' A+C-D> @D'

A+-' ' ?@C

SKD=' <) !' @+ ' $ (' (' D)$,' ' -0' PNL' B@' ! E '
, A.2' B B' +BC->.B' +B@' ->C+@ G' - '+B@' @C? A' - @CAY
?@A+' 'A- 'E@ A.' A+C-D> @D' A+-' +B@' 6A +@D' !+ +@ 2' '+B@'
>C-J@ A'%B C' A' + 'B .B@ +' + +@' - 'J@C @ + -A ' ;K<M' &"('
$ 0') 0' 'PN;' B@' ?E, A.' = $!-&' $! ! ') +' - '+B@'
?->A+ A , U@ ' - 'O C ' AD' > +C

' 8 "U(' 5-C? ' _ B2' I>@2' '

BGU@2' _ ' I>@2' _& 2' U ' ^ ' 5 ' $ 3

D ' >CU B' 6(b' D 0›H' 'U AD' - ' , A.'

@ @,' -??-A' A' +B@' @ A+' 8 @@' I>-+ ' %M&$

;MMQ' &' (' $O(' - ' ;S< O' -' , C.@' ! ,@B ' , D@A' +B'
" -C @ 2' @C@' + U@A' EG' -?@' - ' ->C' @ @, ' A' +B@ C' J .@'
C-?' J-, ' D ' $-? A ' +-' % A@ ' SMKM' +C ' $ '›'
$ 0' C $' M=' B@' ! ' , G' +' A' A B-C ' ;MKQ' '
3 . .' +C ' '&% ' $ 0' 2' QL' B@G' E> ,D' ! I>@ 2' AD'
-+B@C' 3 @C B A+ ' @ @, ' JC@++G' @,,' ;QN=' # ' , ,0'
& $- - $ 'ML' B@C@' C@' ? AG' - '+B@' >CU ' 3 @C B A+ '
3 @A2' A . +@D' EG' C@@U 2' B B' C@' ,,@D' EG' +B@' A ?@' - '
!BGU@ 2' -?@ B +' , U@' ->C' A., B' 9@+ B@ 2' - ' -' -C'
BC@@' ">ADC@D' >A2' 4Q4P' &- - 0' - 0' =P ;' B@' 5 BY
A. !B J ' AD' ! U ' @?J,-G@D' +' @ ->AD, AD ' ;QM<'
- . ' 0' $ ' '8;QKN(2' $, ' ' -C+' - ' C@ A'
U@+ B2' B B' B B ' A-' +) . ,, A+ ,' -C' ? X@A +-J ,(' ;KSL)'
& $ ' , ' 2' 5C-?' ! , A- -' 'J-C+' +-' ! -' ' ,@2'
B@' ! U' 'E->AD' ;KL=)' Y= V " $' 'L;' B@'
E CU2' B B' ,,@D' ' I>@2' ' I> C@ C ..@D

! @2' C A+' -

(DJ4-==' -E ' -C?' - ' .

8 @D(2' **!(' ' 5-C? ' @@' +B@' E ' ^& '

JJ,@ ' - ' ' OBO

' ?@D' -C' ?@A+ -A@D' E@ -C@ ' 8 , -' $1& $ ('

$%& $ ' 3"!+

$' ;LNN') & ' 0' ;=<QK' 8%-++ (' ! -A' :V C' @A+' D J, ' +> '
A+-' B@' D' < › 0" ' Da' +@, ' ,' ;LQP' ,0' 0' $ ' 'S '
= "-&'' '6) $ +' ;M' J@' D'U A.' . E C> '8 '* 5 ,) ' 5'
1 $ +0' ;=LP' &' $, ' & ' $"' '8;K=;(' ON' +'
?G' @ D@' -C ' ' - + ' ;=PQ)' ',0' $!(' ,(')1! '' 8;KK<('
O<Q' +GC' +B@' GD' +@C ?@' +-' B@C' +B@' GDGA' 0 0' ;=KM ? .('
0' !1$' 'E *' E2' G' +B@ ,D' B@D@' AD' +B@' A@ U@' +B@C '
>JJ-A ' ;P=K <' 83 C (' ? .(' &-0' C $" (' &!! , ' 0' $ Q
2+' -' -,- @' +BG' G@D' -AA@' :@ > '%BC +' ;PMK' < 6R
' &'0' 2' OP;' B@' 9 A.' - ' A., AD' . >@' +B@' GD@'
% +@,,' +-)' +B@' GD@' C @2' 4Q;M &' 0' <$0(' - ' P=PN ='
B@' D? A +C +C S@ ' - '+B@' D' 7 , -A2' D-' B@C@EG' . @'
-+ @ ' ;KMK' ' " ' 5 G'C. !&!0' 0' OKO' B@' D' B J+@C'
E@. A ' +B' A' D? C E,@' @S+C +' C-?' ' -)' - ' / >. ,D'
!+@ C+' ' ;KKP' $ 2 ' - ' *0' ' P; O' B@' D'
B ?A@G' E@,-A.@D' +-' +B@' D' EC@ @CG
$1 &!0' ;M=K' < 7 ' ' ' (' ;KM' !-?@' A., B' -C' " -,, AD'
B J ' ' EC- D' +' @ ' AD' +B@' D' @C@' -?@+ ?@ '
,>CU A.' E->+' +B@' , AD ' - ' !+ ' :-BA

;'E ' 7 +B' A ,@ +@D' J ' 1 3

%-A+ A>@D' A' ! '>A+ ,' +B@' ;Q+B'
;==K' A' 7 ,, ' \ '%, CU' $-1 '8;KKM(' 'K B@' 5@,- @ '
- '+B@' @ D' -,,@.@ ' AD' B-? ' !+>C.@-A' - '+B@' @ D@ ' +- A'
AD' B C@' CJ@A+@C ' ;POQ' $' 0' !! '8%B@+B ?' !- (' OP'
@A A+ ' - '+B@' D ' , AD ' O/ O ' ' 0' 0'
' $.(' &',!) (' /@D 'L' AD'G C'G@' D ' ? A +@C ' AD' @'
E@ A.' @?E,,+ ' ;MN<' ' 0' $B0 ' & - ' C &, '
;OP' B@' - D C ? G' @,,' AD' X@' +B@' D@ ' AD@

i' / ' !J-U@A2' >++@C@D ' A') C ' *! ›+' $ $23'

;PLN2' ,' ;PQN2;KOK' ^ @@' .)' / ';' a ' $' ;PPL' X) . .' &" '
(' ' '8 CE(' 44 B@C@ -C@' A' -+B@C' GD' @' D-+B' ?@A'
D> @2' B +' +B@G' E@' +-.@+B@C' E-+B' ?@CG' AD' @' ;PK;'
: ' . .' $ &'› ' ' 2(' & (' ONO' E2' -CDGA.' +-' +B@' -,D'
GD' ' F> +@' . GA +' +B@' B@ C@ ' ;MP<' ' 8 . .' = ! +'
&C- @CE 2' -C' #,D' ! G@D' ! @ ' \ ' D .@\'

+ ' ? * ' !-?@+B A.' D' -C' J-U@A2' '&', 3) ('

;PQK' - . 'H ') ' ;K' E ' ! -' G' ' , -' O>+' C-?'
+B@' D' A+-' +B@' D@@D' +B@C@' ' ' .C@ +' +BC-

/ -E ' ')!') ' / -E ' ' '

/ -E ' J ' + ' AD' J ' JJ,@ ' - '

/ -E ' ! ' -C?' - ' !' 3

***1!61 ' 1!66 ' '*2'6 / ' 6' $ '**
***1!60 ' 1!6G0 ' '*2'6 / ' 6'**
***1!66 '6 /' 6' # &**
***1!6 ' ! ' '*2'6 / ' 6' !**

'8) . 2' . (' ^ '$> 2' C ' % '5'

$ $0]' ' U AD' - ' A+@,-J@' = $ $' $ $,$+' - '

+B@' +@JJ@' - '$> ' , -' $ 3' !&* (

K-S' 8'N&&!(' ' 'LL< B@' ! . 2' -C' ! G+B A' A+@Y

,-J@2' 1 ('L=N' B@' ! . ' C@' - ' ' ? .C +-CG'D J- + -A'

;K<M') '? (' $ - - $! 'LNP' B@' ! . ' A+@,-J@,

***1!4 ' '6' % ' *1!@ ' '$1' ' 6'**
***1:3 ' '*2'6 /' 6'**
***1!3: 0 ' '*2'6 / ' 6' ''**
***1!3E ' '*2'6 /' 6' &'021))).**

[illegible]

'E ' %-A*>. +@D' +B' &' ((
;MLL' %' , ' $!H ' $ (' ,,(,& !('8;Q<M('4 2'
JJ'MPM' "@C'B> E AD'E@ A.'A@ ,G' ,@DZ B@' C @D' -?@'
?-A@G' - 'B@C' ;QM=' < .) ' (' ' 0' '' 0'8;QQO('
K=' B@' ,@@+' - '+B@' JC A @' ' ,C@ DG' ,@D' ;QQM' '
$@. ?@A+' +'%-CU@' @C@'@?E CU@DZ AD' B@' -A ,>D@' +B@'
B-,@'B @'E@@A' ,@D' -?@'D G ' $> %' = ' ' = ' R
-C' AD' '-A' A' JJ- A+?@A+' C-?'.- @CA?@A+' ;QKQ' # 6R
,' JC G'G->' +-' @AD' ?G',@++@C' EG'+B@ BC +' - '+B@' @ @,'
B A'G->'?@A+ -A
! ' $' ' %0' -' ., D@' -A' +B@' >C @' - ' +@C' -C'
+BC->.B' +B@' CZ' @ +B@C' EG' +B@' ?J>, -A' - ' AD'
-C' +B->+' AG' E,@'@ -C+2

,@D'+BC->.B'E@ -C@'+B@' ,- @'+ ?@Z M LN' ;K<<' $!"' 2 '
O< !@J+'L O B@'>A A*>C@D' @ @,' B ,,' ' ,->+'+B@'C @2
!$ G ' = 9' ' ') ' .$
;Q L' 1 ' " 0' ; ;OM' !>E, ?@' B@' , ' B' @C ,' J @Z
AD' ?->A+'+B@' A.@D'. ,@ ' ;QMP)' ' ') , !!'
L=' "@' - C'& AD C 'B@ .B+ Z AD' ,' +B@' +@' - ' " @ @A
$!"' ' 2 '# ;H 5 'K L' B@'E>XX CD Z' ' A@ ,--U A.'
.>C@Z' '-A' EC- D' A. 'B@' ,- ,G' , '+B@' UG
$ G ' 3 ') ' ' 3 .$

/ ' B@' , ' - ' ' B J' -,,@ + @,G' , -' $' %0
;KK< C $!!' $!!' <0' ON' :>A@' L ;' B@' ? B A@CG' ,, Z
@A E,@' +B@' @ @,' +-' . -' +-' @ ' +B->+' AG' .@' 4NN='
$ * > ' $ 0 3 G' B@' , ?@A+' +B +' E>-G' B@C
^+B@' J D@Ca'>J' AD'. @' .@' >C @'+-'+B@' AD
! , , -+B '8) U,)b ' ^ ' ' 1 0 i' #'
+ ' J @ @' - ' , -+B' -C? A.'-C'D@ .A@D' +-' -C?'
J C+' - ' ' , - ' ' @ @,' -C' ' AD? ,,' 1 0

```
' O *$

i! T, , 1( $ 0 ^ . 10 i "6).QV
A->.B - AD +- ,, +B@ ,
;MLN 7 B7 $, 0C ',0 8;MP<( =KM !-?@ J- A+ -
AD ? G @C @ +- ? U@ +B@ G2@ @CG B J B +B A-+ + >,2
! , @2 C . 1 0( +- JC-*@ +
8 ) , .(2 d 1!0 10 ^ . i" 7 a
B@ + -A - +C @,, A. -A +@C A B J -C
-+B@C @ @, B B JC-J@,,@D EG ?@ A - ,
+B@ + -A -C ?@+B-D - D C@ + A. +B@ ->C @ -
> B @ @, A ?-D@? > @ , - A D@C JY
J, + -A +B@ + -A - +C @,, A. A -C - D C@ +Y
A. +B@ ->C @ - B J -C @ @, - AG U AD
5-C, ,)!$ !& )!$ " &1!D) *$ $!! ! $! ' @@ +B- @
-CD < $ , ,! $! ' @@ . 10 OE !@@ , -
. . 7! . . 7
);<NN +C ?P $> 0 8% ?EC 6A 3 ! (2 ! C@!@
+-C? -? A E@@+ @ ^A@a ? D @.6A.@ A@ ? D C- A@ @
8 ' D) !& ' D) - H - B+ C@? A ? B+@ , ;LLN
$ B & '( 8;K;N( QN " @ B D C@DG ,GA. ;LKQ
3 8$-,, ( 2 ;Q J@ $-? GA B DD@ A-
U@C @ ,,GA.@ J ->+@ -E@C - ->C , S)-- ( &"
LMQK "-C +@C +- @ @2 +B ,GA. J @AD I ;==N
C &-*0 C$ ( MP ; %@G,GA.@2 ! B ,$, &0 4P=N , PO
'0 !!! ;=e 3 U A. +B@? @SJ@C+ AD -AAGA. A
+B@ C+@ AD @A @ - B JJ?@A AD G, A. ;P<<
), & A PK B@C@' A- ?-C@ G, A. E G +B@ + CC@2
;ML 7 8 $ 0 0#h +@C +BC@@ D G@ G, A. @
CC >@D + @A @ WhL%&0g B 6 ' 8 C$ - 0 *(
7 U 8;Q;;( ;=M # ,, J + ?@ AD @S@C @ , U@ ,Y
A. -C + ;MQ; 7 8 *$ , 8;<NL( ;LM B
? G A-+ +>CA@ +- +B@ C ->A+2 -C A+ - B J AD
B@ J , A. ;QN= : ' 5( , '0 2 ,$ & >
$ ! ' ( +B@ C+ - AD A. -A &, A@ +B@ 3 -+ -A -
!B J >J-A AG .A'D %->C @ ;h79 ' &' &"0 - (
S L<; &C- -A -C +B@ C >E +@A @2 D>C A. +B@ C , A.
D- A +B@ C @C ;QM< - . 0 $ ' 8;QKN( 2
$ ! ' , - ?J, @ J C+ >, C ?-D@ - A . + -A2 2
C@.>, +@D EG +B@ , - +C .-A-?@+CG ;KL= $ 0 C !& 0(
$ 0 O; 86 @ 9A- , !- ( B ?@+B-D ,,@D
? DD,@ , + +>D@ , A. ;<NK - 0 < 00 ;L >. P O
B@ ->C E>++@C ? D@ J,@AD D + C+ - @C ->C @ -
-C+G S ? ,@ 2 B B ,, JC- D@ +@ + -A ,, J- A+ -
, A.
E A J C+ >, C X@D > @ -G .@
$/J/ 3 ) . SS ;N @ +B + +B G, A.@ G,
E@ +B B>C+@ AD ?- B D ?? .@ ) ;MMP = . < & ) T
&2 ( 6 $ =;L B@ 5C- + . A JJC- B A.2 ,, A-+
> @C AG ! , A.
/ &C-.C@ -A2 J@@D -C +G,@ - JC-.C@ -A2 -
B J -C -+B@C @ @, 8-C . A ,,G2 - , A. @ @,(
;MKQ $ 0 $ 0 C !& ( ;OQ " - -J ,
^@+ a ? G E@ ++@D +- JC- ? -+@ -C B AD@C +B@ ! , A. >J-A
- -A ;QO; $ ' 0? $, ;;P !B J 2 ?-C@
@ J@ ,,G > B C@ B CJ AD E> ,+ -C ! , A. ;Q<Q
' ," ,!0 ? ( 8@D L( 4 LQQ O B@ @ C@ @CG ?J-C+ A+
C + ? + A @ 2 AD ->,D -A+C E>+@ ?> B +- ?JC- @ +B@
, A. - > B @ @, ;KLM 7 Q 3 7 & $ ;LP
@ @, 2C@? CU E,@ -C B@C + , A.
L /@J C+>C@ 8- B J( C-? J-C+
B7N ' &'> &"0 0 S OPL B@+ ?@ S@D EG +B@ @C-G
-C B@C , A. ;QKP ' B !*>A A 0 0G $ "
< :>A@ =;K "@ C A. +B@C@ @ @, >J-A , A. -C
?@C ^@+ a ;KPP = B. ( ' 0 S MN;
,@@+ - +C A J-C+ + A. +B@ .A , -C , A.
;KKQ $ !" ) ;= /@ O M -AD-A , A. /@ ;L
@A@D- 2 / >AU CU %-C?-C A+2 2 0->,-.A@ ^@+ a
! & ' )2 ! ?J,@ ++C E 2 A $ ! ' $"(
' ), &' ( -$, 0 , - ) , A. ,-+E f $!
' 2$ H , A. - 8 @@ I>-+ ;KON( , A.Y
, A@2 +B@ , A@ -A @ @,' B>,, B B ? CU +B@
,@ @, - +B@ +@C B@A B@ E ,, +@D AD C ..@D
-C , A.2 E>+ A-+ , D@A -C C?@D , A.
? +@C2 A - @C B C.@D +B +B@ A . + -A
- @ @, 8 A OC + B > @ B @ ,G +B C@ @C@A @ +-
G B+ A +B@ 6 ! A G2 - ?? -A@D - @C2
> > ,,G , @>+@A A+2 JJ- A+@D +- D C@ + +B@ A . Y
+ -A - B J - C( , A. -CD@C 2 +B@ D C@ Y
+ -A . @A +- +B@ J+ A - @ @, +B C@. CD
+- + ?@ - D@J C+>C@2 D@ + A + -A2 @+ , A.
+B C+2 +B@ +B C+ + -C +BC->.B B B +B@ ? +
- , A. E- + +@JJ@D , A. +- A2 +B@ T +-A
> @D A ?@ >C A. +B@ J +G - , A. @ @,
) , A. C@2 ,-+B > + E,@ -C @ C + @
' A *0 0 0 &--0 Q ; ! , A. ,-+B
^? )*,@ A !-?@C @+a ;KQ< $, -$'> &! $" ON @S+
?-CA A. JC-? @D J--C ,,A. D G ;K<N $ . ) 8 ) 4
&!0 %& - 8;K<;( ;Q< 7 B@A +B@ , A. D G -?@ : U
?> + .@+ -A E- CD ;KON , , 0 OO<
#J@A @2 -C , A. @2 B@C@ +B@ J @ @ C@ - @J C +@
+- D? + - B J , A. -A @A @A+,G ?-A. +B@? ;Q=K
' -G &"0 ;P "@ D@, @C@D +B@? +B@ C .B+ A. AD
, A. A +C> + -A MKQ $ 0 $ $!C !& 0 ;OP
#>C @ -AD 7 +@C , A@ ,, +B@ , A. , A@2 +B@ C +
,,@D +B@ , >A B A. , A@ ;KLM = ) 0 2 "@
-A E- ) D , A) ? +@C - +B@ G B+ ;KQ; 7
.. & 0! HH( #A -A@ D@ +B@C@ @C@ +B@
,@@J A. E@C+B - +B@ , A. ? +@C AD B ? +@ ;K<N
$ .) 8 ) & 0 %& - 8;K<;( ;LN CA@ + >.B+
+B@ ->AD - -?@ C@ @C@A @ +- ) , A. ? + B OM<O
HBB 50 0 ? % 8;KPQ( P=P B D G A-+) C @SY
JC@ @A+ +- +B@ /- A@ +B ) , A. -CD@C 4Q=K
.. & ( $' ( SS 2 E->+ +B + ?@2 % J+ A
# U>?2 B A. C@ @ @D , A. -CD@C 2 ?@ -A E- CD
;KKM !!) 0 N ' 0 2 M)5@E =O 1-> ,0 .- @CA@ a
+-,D ?@ E + @C@ G->C , A. -CD@C C-? 3 C 3 @@E>CA
, KMN " B $-$'> $ , 0 Q B@ ? A -A +B@ ,@@
D@ - +B@ , A. +B C+ . +B@C +B@ , -C CD ;K<K
$ !" 5@- P O % , >, + A. +@ ? +-A @I> ,
+- +BC@@ , A. +-A 2 +B@ +-AA .@ B A C@ @D ^@+ a
;=KL = , ,!) ( K 8@AD(2 @ >C@ D >A DC J
, A>@X JJ@,,@X ! GA. C@

E A -?J->AD D@ .A + A. @ @, JC-J@,,@D
EG , 2 $ ! ' 31$ (31&$ (3 *(3 !(3"$,
, - $ ! ' 3,$ (3,$ $ (3, $ &(32$ &'0
B@ @ -?E A + -A D? + - E@ A. C@. CD@D -,,- Y
+ -A - . 7**!0 $0 % B- @ @C &2 ' 31&$ 0
;QNQ = ) 10 8;QO;( LMO2 B ,, A-+ B@C@ ?@AY
+ -A AG+B A. - +B@ ! , A. 7 ..-A 2 AD @ @C , -+B@C
%-A+C A @ - +B + U AD ;Q<Q ' ," ,!0 ? !0 8@D L( 4
QPK O A-+B@C -A+C A @ -C E@ A. CC @D +B->+ DC >.B+2
! EG ?@ A - , A. B C -+ -C E- + S@D -A ->C B@@,
OKKL ! % ' .. & * , LNO ^ B@Ga ->,D E@ -C @D
+- C- +B@ B AA@, A , A. J U@+ OKK= : 7 (
, 0( )**!0( $ ! ' $ ( C C ..@D +B ,2 > @D
-A +B@ C ,C- D -A +B@ J, A 2 EG +@,@.C JB C@J C J C+ @
! , A. B C -+ @C@ +C @D A " -,, AD ?-C@ +B A + -
B>ADC@D G@ C A @ OKK= C $!! $!! <0 ;M # + O ; B@C@
C@ + ,, A- @ @C +B A ;P2NNN , A. B J C@. +@C@D A
C@ + OC + A ;KKM % & ' &' '& % &3 $" 5% )
8@D L( ;QM B@ B ?@ , A. E C.@ ? + B , - A @ @A+
+- E@ A-+ @D OJS $1&) & - - &' ,- $ - (
$ - $2! B A. @ @,2 JC-J@,,@D EG ?@ A -
+@ ? J- @C2 A -A+C D + A + -A &00 $ ! ' $2! B B
JC-J@,,@D EG , -A,G
/ 1!0 1B? @@ >AD@C
) ?9 ./ !0 10 , 0 B>
* CR B@ -AD + -A -C + - JC-*@ + A.
C-? >C @ JC-*@ + -A
OPML ) , 0 O E B@ JC- @ +>C@2 -C G,, A. ->+
-C B A. A. ->@C - +B@ --+@ - +B@ J ,,-C OMM= 3 . +C
$ > , 0 ;; <O B@ 3 -D>, >J-A B B +@C CD
C@.>, +@ ,, +B@ 3 @?E@C @,, -C +B@ C B@ .B+ ,Y
A. - @C AD JC-*@ +>C@ - +B@ C &C- ,@ OQOK
",!0 C &B , ) ( B@ @ +B@ C@@U ,, , * & 5(00
+B@ 5C@A B ->C 7 -CU ?@A C@ I>@A+,G ," 0
OK=O A , 0 ,-
) ?9 ./ **!0 $+3 ^ W$ * ; .
B + +C @, -A +@C EG ?@ A - , 8%
1!0 10 = E (
;P<N 1 C0 A0 K B@ G, A. & A@ +B@ %@D C
JC->D AD + ,, ;QN< ? 0 C&!!& - =L O ; - &@CY
-A A ! , A. !B J +B@ !B@ C @@? +- E@ A ? -+ -A
OKPW = B. 0 ' 0 SS =;P + , A.
@ @, A + A+,G D@ J + B@D +- CA $--U@ - B D A.@C
E A A ?@ - A? ,
OQKO 0 A)$ )* =;Q ! , A. !I> CC@,
;KNL 8 N&&!0 OO= ! , A. %-CGJB@A@
/ !JC@ D A. ->+ , U@ >,, ,
OL <$20 = < 0 V ' 0 KMP $G B@ C-E@ J + @+@ -A BG?
@?,G2 G+B G, AD@ UGC+@X OM;Q - . $! ' ' $'
2 " ?@) AD ? ,G B @ .C- A@ +-.@+B@C2 AD
JC@D +-.@+B@C , U@ +- G, A. %@D C 2 # @C +B@ $-? A
/ D@?
8 @ , .(2 **!0 A2O , 0 ^
K O % 5 $ !!$ ' !H &C-*@ + A. $ ! '
,&) JC-*@ + A. ->C @ A 8> > ,,G( +B@ >JJ@C
J C+ - , .B+ B-> @ -C -+B@C +- @C U@ E> ,D A.
O=<L = ,,0 0 $ " $ !! ;<Q +@?2 J GD +- J CG -C
G,GA. J@ @ -C @A++ +@ GA G >+GC2, * D ;PLO 1 (
LQ $- AD@ -EE-CD +B G,GA. B > @ ^ $ ]0
OKPQ ." ' % ?) ! T C , 8@D =Q( QL ! , A. ->C @
C@ .@A@C ,,G ?@ >C@D A +B +B@ -CU2 A B B @
+ U@ +B@ ,@A.+B EG +B@ D+B2 +BC@@ -C S A B@ 2) + ? G
JJ@ C I> C+@C EC U , A.
) / ! $
$ ) ? ./ $0 K$ 1[ 1 * .
" A. A- , 2 $ # E- +2 C .. A.2 @+
$ OM;K .3 -0 & $!( SS 2 0>+2 0@ >+G2 C @
,@ @2 ! ,@ ,@ @ 0 CU OKLQ $ > $ 0 4 ;MP
# C,@ AD ,,@ J@D @ OK<P = 7
& ' ' & $ ' , OLN B@ JB A+-? B J2 , ,@ 2
C>DD@C,@ 2 AD >A? AA@D
E # +B@ @ /@ + +>+@ - B J 2 @ @, 2 @+
, -G)
OKOQ &- #9 &) 0 ? 8;KM<( KN 7 B + A .B+ B@ J@A+2
# + D@,@ 2 @,@ !2 ,,@ 2 B-C@,@ -@ OKPK 76
0 $ ' LQ B@ D U - +B@ - @ A ! ,,@ 2 -?EC@2
AD -,D ;KP< 9 &)1! 3 $ '$. ;P #A +B@
D@ -, +@ B-C@ - ,,@ @
+ 9 $ , 0 1 0 ^ 5 $ !! " $ !!
+- JC-*@ + @@ % 1( ( !
JC-*@ + A. ?@?E@C 2
OMM= 3 . +C $ > , 0 ;O= O@A@ +B +B@ &C-Y
*@ +>C@ - +B@ !+G,-E + %-CA @ AD -+B@C ! ,, @
, 1 0 2/ 3 $
( 470 8 ) D *( , - Q G,-C2 ^ A ,+@C@D
J@,, A. - JC-E ? , +@D +- $ !& ( A
-CD@C +- D + A.> B +B@ D@ .A + -A - C@.>, C
,, A. C-? +B@ >A J@ , X@D .@A+ A->A B@
D @C@A+ + -A2 B- @ @C2 D-@ A-+ JJ@ C A ->C
@ C,G @S ?J,@ 2 AD A-+ >,,G @ + E, B@D
E@ -C@ +B@ ;<+B a
#A@ B- JC- @ -A ,,G - >J @D +B A Y
. + -A @ ? A2 ? C A@C , -2 A A CC- @C
@A @2 JJ, @D 8, U@ @ ? A '( +- ?@?E@C -
B J' -?J AG E@,- +B@ C AU - - @C
^OP 2 OPKP2 OMNP @@ . E a OSM=O 9 = "
$ $! $, 8;QN=( O;=2 PNN 3 @A + !@ 2 B@C@Y
- L=N 3 C A@C 2 =N 8 >AA@C 2 OON ! ,-C A%O> )
0 < & 0 ; O<M -C ?> + +B@ &,->.B? A ,@ -E @C @
+B@ !U @ B A ! G,-C B-?@ CD E@A+ OQNM 9 )
&& ' & ! ( 8;QNK( <= @+ > @'@A +>CA E->+2 AD
@ B-A@ + : U +B@ ! ,-C A>%O - . 0 $ ' '
<< 8;QKN( 1 G ) E + 2 +B@ - @ - +B@ -?? C@ .@A@C ,
+- U@@J , + - +B@ ,-C 2 E,@ AD -CD A CG OQK=
%- J $ $ . P=; !B@ ->,D + AD @@J + B +
,-C > @C OKNO 0 6 - !0 LP= -C B A .,@
-,D @C -C ,-C E@@A JC@ @A+@D C-? D- A. B -CD A CG
D>+G OKP $ !! ' &' KM B A@
, AD ,- @ +B@@ @,,2 +B-> ?-> ? A2 B@ .C@ +@ + ,-C

A @ +B@ -C,D E@. A SKeQ B . ! O L== B@
C@D>, +G - ,-C A-+-C ->
$' %( $ &> )h'1! ? ;P ! ,-C - +B@
+?- JB@C@
E & 1 $ && $ !& ^ f 5 1&' -$ a
+- E@ @S@?J+ C-? @ UA@
;KLL . ' 0 ! - ' 2 S 2 7 @ @C@ @S @,,@A+
,-C 2 AD E-C@ +B@ -G .@ +B->+ A -A @A @A @ ;KQN
= )7 &10 "'' O=O "@ B@D J@-J,@
B- @C@ E D ,-C ->,D A-+ +C @,2 $ OK<P %
7 ) &1 & 0 8;K<M( QN "@ J,@ D@D +B + B@
C@+ B@D ,-C
; ! D - B J* + & , 1 0
;M=O 7 = $ $! $, 8;QN=( =<O O2
# -C ;O !B J 2 B- @ ! ,-C ;Q;N & ' 0 <$00 - =M=L =
B@ !B J C +-A2 E@ A. +B@ E@ + - ! ,-C 2 +- E@ -,D
>!! !& $ JJ MO !B@ B@ G B--A@C -
E->+ QN +-A * AD D>,, ,-C
0 A ?@ -C C -> A ? , AD J, A+
i 1 6 @D @CA >, C C@AD@C A. - -
^SMMK2 ;QSL @@ . O a ;QQM ^ @@ . $0 O Ea
OKOP ! ' & ( &', &!( ;PM & J@C >+ ,> 2 & J@C
! ,-C2 & ' $) $ &( 1 0( C@ + ! ,-C2 $) !)
C&%) * ! ) (
E $!0 U AD - E@@+,@2 $' $ %) ,$H
T B ,D' A ?@ -C AG @,@JB-C> - E,> B
-,->C " = $ E ',",!0 0 ;KK Q(
$ /& = & $-* 0 <!& 0( $ & ((0 $' .$
%) ,$0 OKML 9 ) !!) ( $ 0 0 =QO B@ @,@
JB-C D @ C@JC@ @A+@D A A., AD EG+B@ @,, UA- A E@@+,@ 2
J-J>, C,G ,,@D C-? +B@ C C@D -C E,> B -,->C 2 !-,D @C
AD ! ,-C
f $ !& 3% 8 @@ P E(
KMN <$ ' $ ) $! ) $!0 O= B@
&* & ( -C T ! ,-C D A@C2 B- @ @C2 C-? +B@ $*3
) EG +B@ .C@ +@C -?J C + @ B@ .B+ - +B@ D-C , A
D ' $'0 8!@@ I>-+ (
;KKL : && > C ?$ $-$ Q 85 B SB E
5>E ( + @C+ A + ?@ - +B@ G@ C ?GC D - ? ,, B2
UA- A ,-C CC @ + +B@ @,D AD + C>J +B@ ?>DDG
E-++-? +- > B A@S+@A+ +B +A-+ A.,@ J-A.@ A E@ @@A
@ ?!) $ !& +B@ ,- @C - +B@ ,D B -CG
;<NO ) ' 86 ! ( :>A@ OQO O B@ ,D B -CG2 -C E,>@
,-C =% , & ) - ' "1) +(
! !B-C+ -C $ !& $ 0
;K<K -0 <$00 P 3 G L O2 B @ +C @D A ? AG B-J
+- .@+ I> +@ C->AD ,-C ;<NL 1 0 O :>,G = O 0 .B +
@CG C->AD A B J@ A@@D A-+ E@ - D@D2 A-C OC@+-A ,-C
M $ 10 AD &-10 ?J,@ ++C E 2 A
$ !& %$ &'( ' ' (* $ ( &)!: $ !& 3 . \0 B
JJ- + @ 8I> ) ))'(2 T +B + ,-C'2 A
$ !& 31&"( % - $'( 3!$ ( 3*& T( T -A + A. -
,-C '2 A $ !& 3 $ ' H ? , + @2 $ !& Q
!&&. ' D*
K : 7 . C ) )= " , G-A@2 ,- @D
r ,-C E-G ^%@GSa AD ? CC @D B ? ;<NL % H 4
0 &!! ' 2 B@ ,-C E-G C-? +B@ 0 ' , ' ( ;K=K
: 5 1 $* 0 * . 2 ;MN % J+ A 3 >,, ,- +-c
G @,D B -A D@A @2 E>+ B@A B@ D D E@ +- +2 B@ E@ +- @D
+ r ,-C B -A2 -C +B ,, B B@ C+ ;KKL < ) 5
' ) 0 E( 0 OM 85 B SB E &>E ( B@ ON2NNN -C ?-C@
?@A B- ? G JC-J@C,G E@ D@ .A +@D +B@ T r ,-C B@C ?@A
- +B@ 6A +@D !+ +@ ;K=O ? $.(1 $. 2
# @,, -C +B@ r ,-C, D B + B@ A. A E , ) + -A +B@
E G SK-K E!" A 0 , > , &&! 8;KKP(
;O; 7 +B > B r ,-C , U@ G A. AD ?>+ A-> C.>?@A+
2 +B@G ^@+ ) ;K<N T $ .) 8 ) &!0 %& - 8;K<;(
;MK & >,2 +B ->J,@ - r ,-C ,--U A. ?@A2 D- A
+ +B@ *@++G $ 0& < B V ' &,.1 &. Q 7 -AY
D@C A. A B r ,-C ? AD B + +B@ D@> @ +B@ B-,@ C
?@ A K $ H $ C 0 $ " WH5' =NgL#+
M< 7 @ C@ A- @A+@C A. +B@ C B J@, .-2-C2 -CD A. +- +B@
r ,-C JBC @2 +B@ C B@ ;KPM : , 0 5* 0!!0S
;M< @CG E . 2 A ,-C JBC @2 C-J@D AD E@ U@+@D
;KQQ ` $'.! ' O B->2 "@C- ,-C ->,2
C+ J A. -A +B A@ B JJ @C -G .@ A- $>A/ 1
" 0 ==; - D@ @AD +B@ r ,-C +C A
E !J@ , -?E A + -A ,-C B f ."
3 ,-C B +2 E + A B -CA EG ,-C
B@A @ JJ, @D +- -C? - B + 8 +B , + EC ? -
@ @A EC@ D+B ,, C->AD( -CA EG -?@A2 AD +- B
D @C@A+ -C? 8 +B +>?@D AJ EC ?( -CA EG B ,Y
DC@A ,-C ? A2 A >A@D> +@D AD *- >, C > @
f @A @ , - @CC C A D>,+ ,-C ,-C J, A+
E0 0( +B@ +C E@CCG .@C A >?2 $5% $ $ $ - '3
& $ 8%@A+ / @+ K. ( ,-C B J@2 +B@ B J@
-CA EG ,-C 2 +B@ B J@ - ,-C B + 8 , -
$ 10 $ B - ,-C B J@D $0
;KKP % 5 ' .) $' ! ' ' 0 % D$ B@ .C@ +
) ,] -C ,-C ] B = &* & ) + - +B@ 3 @D +@CC A@ A
AD AD A # @ A ;Q<N $ . &' $ A 8;KKQ(
L< J C @, - ,-C ?@A AD E-G .-+ C->AD ?@ ;KKM
: 1. 7 *$ -0 ( @+ 8;K<<( M; 5>,+ B
5 B@C E- CD A. B-> @ 7 B@C@ ,-C ?@A C@ D@ ;K<Q
$ !" 2 O= !@J+ M M !-? @ - +B@ A@ @,+ B + C@
I> +@ ,-C B J@ ;<N= $ !" &'0 OL >. K O B@
A@ 5C@A B ,-C B J@ - B J@ > 4<NO 0 (C0O< 3 C
LOQ ; B@C@ @C@ ? AG - +B@ , C.@2 C->AD2 AD E ,-C
B J@D -,, C A- - ?> B -CA
&- @ @ -?E A + -A ,-C' O E,@ E0 0
!$' ( $ $ & 8%@A+ / @+ ;K<;(
,-C' B- @ E0 0( A ?@ . @A ,- ,,G +-
C -> ?@C A B@ ,-C "B-?@ 8 @@ IA-+
;KMQ( ,-C' UA-+2 AG - +B@ U AD - UA-+
F: 10 3 ( > @D EG ,-C , -2 U AD -
UA-+ > @D +G A. A@@U + @ ,-C' J- U@+2
J>C @ E0 0( +B@ @.. @ - U +@ -C - J C->
B CU 8 A C@ @A+ 6 ! / @+ ( ,-C' +@C
$) 0 !$' 8 @@ I>-+ (
```

8) A+D̂) ') +2 A+(2 $0 AD 10
5 - C ? O M @ A+2 L M @ A+@2 @GA+8@2
A+@2 = P GA+2 8O X@ A+@2 L ? A+@2 P @GA++@2
M @@GA+2 G@A+(2 = A+ 8JC@ S@D +-
A ?@ E@. AA A. +B -A (L = @ A2 = A2
@A2 = M GA2 P GA@2 A2 GA Q L P2 A+2
= M @A+2 8L A+@2 @A+@2 = A++2 AD@2 -A+2
P GA+2 @A+2 9 @A++8@(2 K < ,(>A+ .
8 B @ ,G ,(+ = K A + 8M @(2 P @A +2 P M GA +2
@GA +2 M Q A + ^ 2 #5 $ ' B '%(@CA2
$ ' (' = $ ', ($ ' (' +(, +@C $ ', (
JC@ S - $ '($ '(? - D 5 $ '] &C
$, ($ ' (+ 2 ! J 2 &. $ ' & 8E@ -C@ -A &C 2
+ 2 ! J $ '(&.2 & + $ ',) (JC-J@C,G J
JJ,@ - $ ', +- @A +2 C + G2 D@ -+@2 -A @Y
C +@ 8 D!

B@ + A -CD D-J+@D A ? - + - +B@ @C ? A
, A. +B@ C A+ +B - @, -+B@C+B A $ C@D>@2 J C+,G
+- ,- - +C@ A +B@ JC@ S@D J- + -A2 J C+,G +- 5C
A ,>@A @ > (0 $ ', (#5A $ '. ( ) '. ($ ' (' (O ' (
8JC@ S@D($ ', (' @+) 3 / > 8 B @ ,G JC@ S($ ', (
$0 %(' = (' = ( ) ' (&' (/ > ' (D ,2 ' ( ) ' (
' (5,@? B 0$ ' (3 " 8JC@ S@D($ ', ($ ' = (' = (
? -D 8JC@ S@D($ ', ($ '. / $ '. Y(! $ '. 30
B@ -C ? $) " ' ($) " ' 8JC A+@D $ ' " ' ($ ' " ' + A +B@
" '1 C@ D >,+ +- ->A+ -C a

$ B(G ' . ! A C -> J@ , JJ, + -A
2 &C@ S@D +- +B@ A ?@ - A-A X@D J@C -A 8 @@
O O(2 , - +- +B@ A ?@b - +B@ C B A.@, A-
@,+ +- E@ +B@ E > @D JJ- + @,G %- ? ? -A,G
EEC@ +@D ! -C ! + 8 @@ E@,- (

^ A # $ ',) AD $ ', 8-C . +B@ - + @(@C@
> @D -C +B@ ? AD $ ', $ -C +B@ @CA a

B@ J- @ @ - A ?@ JC@ @D@D EG ! A+ - +@A > @D
@,, J+ A A ?@ - B>C B@ 2 (C$) ! > ((C > (
" @A @ C -> A ?@ - +- A 2 ,, .@ 2 @+ 2 (!1$ ' (
0 ' 2 ((? >(, - +B@ A ., X@D -C ? - - ?@
-C@ .A J, @ A ?@ 2 - > 8 f (03 - +(

$(; ; QP $ - 1(& ' 0 =< ! @ A+ .C@. -C , ;ONN ' 0 &!!(
& ' 0 < 6 C@ ,->@CD A+@ J- C@, , V ' 0 -0 A (
0 ,0 OM 6 C@, >@D @ A+@ 3 C @ ;O<Q $ < . B I8$ -,, (
K=OL J E + ,@ D- @ A+@ J@+@C@ @>@ ;L=N " '10
OLL @ X GB A+ > + A ,$J % B C &!0 ;QL B@
C@>,@ - @ A+ 3 >C@ -C - @ A+ O@A@ + ;=P $!0 ',0 V ,0
) 1! ' 8;KK<(OQQ B@ @ +@ - !@GA+@ 3 B@,, +B@ C B A.,@
, $/$+ = C ,) 7 U < O 7 B B +C@ +B@ .- J@,,
- @ A+ : -BA ;P<< ' - $ 0 8;KQP(PQ !@ ? +@
" >.B@ O B-JJ@ - A -,A@ ;KOK C((C 2
B@ C +@ D>@ +- . - - D ! A+ ,@A+ A@ '
, ;ONN ' 0 &!!(& ' ($)@ . -D J@,,@ :VZ @ A ,>
C U@D@ O;LNN) & (;MQMO i ;N @CD - - -
+ B C B@C+2 , GD@ A G ?@ -A $;LLN) ! ;PKP
O @ A .@ ?@ ;LK< A ' 0 < ! 8;KQN(P= @ ! >AD G +@C
G@ + > +@ - @A : -A D G2 E J+ +2 , ;=NN) ! 0 ?
8&C- @(=O ! A O@A@+ ,@C A _(@A+@A @2 B- @ ,
B@ @ C@ EE@ @ $;=QN < & " > . & ' 0 A (&!!(
$ (& ' 0 8% ?D@A(;MK !GC &BG,GJJ@ / G ? ? -U@2 +B +
C-D@ A +B@ B ,,@ C ?GD@ D@A@ ! GA : -C.@ ;PLK
' !$ ' OM +>C +B@ ? GAD - ! GA &->,@
G , ;OLN $! 0 Q @A+@ J @, @ 2 ,,@ aE A.@
+>CA@! V@ . -D@ +- . -D O;LNN) & (;P= AD B + ,
E@ C@DDGAA _Q AA@ # ,- B ? AD - A+ + AA@ H($ 0 @GA+
AA@a 1 0 =M< !@A+ ? B@ , $. A B ? -C +- .B+
, ;LQ ;OKML 85 C (! AD@ ,-BA A@C@B AD B ? +-D@
; = A * 0 0 0 & - -0 8;<NQ(O= !GA+ &@+GCG
? GAG +@C - S@+@C ;PPQ A &* 0 C$ &,) - '
8;<NL(PK + $ @'D - +B- ? EC- A@ -C @A+ ? C D G C@A+
0 ;LQP B S JJ% B@ -,U " @,D +- ! A +
OCGD U CU +B C G , ;=QN G 6 $!!$, OKO F >B
J@CD2 B- D +- ! A + 3 C.C@+ +B - E+ ;P;N =
7 U ;O O AD C@ ? @ ? E@C +B@ @ -CD@ - ! A +
& >,@ , -) ;PMO 7; L 0 $, $ 7 U 8! ! (
OQ ! A + " @C- ?@ AD > . > + A@ ;P<M . 6. +C
! G 0 ,& (OLN ! A +@ %-,> ? E

EEC@ + -A ! AD ! + 2 2 ! ! AD ! +

A +B@ ;K+B AD ;<+B ! + +B@ -C ? > > ,,G @ ? Y
J,-G@D E>+ A @ E->+ ;KLN T ! " B E@@A ->C@D EG
@ ,@ -,-. + A J, @ A ?@ 2 AD A ? ,G A ?@ D@C @D
C- ? +B@ @2 -A,G T ! + " > @D
^ ;4OO 0 0 &' (8 >D 3 ! (A <ML - ,) 2 : @C ! 2
!@,DC !, ;SP= 1 0 A ;;LO #A ! &@+C@ ?@ @ D@ a
$;=NN " ,! % > ? 1! M<L 5GAD,A. - ! !+@>@A ? C+ C
' 7) ? 1! (B@ .- J@,, - ! 3 +B@ B@
@J +,@ - ! & >, ;M;; . $ ' !(C 0 N ! %BCG
- +- ?@ +B +, >@D A ! " @C- ?@ + ?@ ;MLK ' R
$ (8@D O(LL ! +2 5C A !BG @C +B@ CC@ A
(B@ +-CG
-C.@' ;KPN : " 2
(OML B- @ @ C,G $@Y
, . -> 2 - B B ! + O@A@D + +B@ +GJ , C@JC@ @A+ + @
;KPO ! + B@ " - ? , @ - ! : -BA %BCG - +- ? -A +B@
-) , - ! + 3 ++B@ ;KQQ : / ; LS & *
:QQ B@ # + @ - ! ! +@JB@A

/ $ ' %0 - B@ +B@A D@ + @ 2 @+ 1 (

') & 0 Q=PK 85 C (2 >,D@ B ? , E@ @ A+
3 B->A , ;=NN & - 0 & P<PL O G ? G ? -D C @ A+ @A>
1 (MQK; 3 G ? -D@C ,@ ?@D B ? 2 !@GA+ ? ->C ;PKK
0 0 (+ LMM ! A+ %>J D +B@A2 AD ! ->,D @C
+- +B@ @,D

E ,,> @,G -C C-A ,,G2 (A .@A > @

0 & ' $ " > (@@ =) A ( ) 11&, . > $ " > (
*- >, C A ?@ -C AG - +B@ E AU B-, D G A + +>+@D EG ! C
: -BA >EE- U' +2 ; KQ; @@ .)
;LMO 7. A =N E + @ B@) @GA+, ?@ AD
@,A+@ + $ - - ?@2 !@ B@E !@ A+ C@>B@ -C B@ ? G >@A -
,,@ ;P=N . 7 ,&!$) ;; * E2 B + B-,G GA+@
G,.>++ -C GA+@ J A B C+ ;!< < E* 0 &)
/ LE2 " @ + D- A A +B@ B C@ C J+ A A@ D@ +B 2
+B->.B +B@ E CE@C @C@ E->+@ +- ? U@ B ? - - + D-+B -C +B@
U C- A+ - -,@ 2 M Q CC> V !! ' ' &)
" >.B % J@+2 A + U A. +B@ %C- A2 JC@+@AD@D +- E@ DY
? -A B + - + A DC@ ?@ EG ! + ,@CG2 AD ! + $ B CD -
E@,@ @ ,, E " .BA@ ^C %C- ? @,,a D-@ +B@ ? @2 +

+B@ A + . + -A - ! +2 " @ACG AD ! + $ B CD B + - ! -AA@
;MMP 8 * ,0 (e = 8@D L(O;= +B AU +B@ E@ + + ?@ +-
+CG +B 2 >J-A ! + :@ @C @ D G2 B B A@ +B@C E@ -C@ %BC +
? A-C +@C + ;M<N %2 0 i " (0 i ((
L< # >C, +@ A+ ! EE + C A ,, D + ! A+ ! EE +B
i &C@ S@D +- C -> - ? ? -A A->A 8 A -,Y
,- + -A + U@A - @C C- ? + A AD 5C@A B(2 @ J
$ " 6 &R " * ' " 0 1 (
! - ? @+ ? @ EEC@ +@D A
A D@D + -A - B>C B@ +B@C@ - >C 0 & (($ (
0 $ &) (0 *) !, 0
$;LNN) & 0 O;=MP O A+ DC .B+ A 3 +B A@ @C
J C+ @ ? A@ ;LQQ 7. C (C (O2 SA ;N= , :V->.B ? @A
? D@ E-U@ 2 . -D * ? +C@2 AD @GA+ J C + > >
J, CG@ C LKM B KML O > + ,@ ?@ C + -C
@ A+@ B C +@@ , ;LKM] & - * ' 0 ;;M %B D@+B B ? @@,2
-C @ A+@ C A +@@ , ;==N < ' " =OKO " @ UGD ,?@
-C @GA+ B C +@ ;=QN)) P = .) S =;L O G @GA+
C- @ D GC@ GA@ B@ +C-A.@ UAG.B+ ;PPL
! D) &% & - 8;PML(ONM % > @ ? @ +- E@
-A. -C GD@ A +B@ B-A->C@ - ! A+ ! J C +@ ;MN
$ - 0 PK O G . 2 AD EG ! 2 %B A+G2 , U@2 AD @
-C B ? @ ;ML; 9 3 ' ,0) ' $! & ' (QOO B@
,+ C2 +B + B B C + E> ,+ +- ! A+ @C> @ ;Q;N
& ' 0 < $O(- =MKK ; B@ AA> , &C- @ -A A " -A->C
- +B@ ! A+ ! >D C - ^ @ ! $ ' &) $ &](
! ++C E>+ @ AD J- @ @ - ,, - + -A - JC-J@C2
A ?@ +B +B@ JC@ S T ! A+ 8! + (A @A @
3 AG J, A+ 2 A ? , 2 AD - +B@C -E*@ + B @
E@@A A ?@D +@C A+ - +B@ ,@AD C 5-C +B@ @
JJ@,, + -A @@ +B@ A+ A ?@ A +B@ C ,JB Y
E@+ , J, @ &5 +B@ E I > , @D EG +B@ ?
E 3 AG D @ @ B @ E@@A A ?@D +@C A+
+B + C@ >JJ- @D +- CD +B@ ? - -C C@, @ @ +B@ ?
, -A. , + - +B@ @ . @A A / >A., -A' (0
, (AD " (&,0 50 5-C 0 ' & ' " > (($ ', >
6 (@@ - (;O) > $ ', @@ 1(M 1(
3 AG -E*@ + C@ ,,@D +@C J, @ A ?@ -C
>CA ?@ E@. AA A. +B T ! A+ 8) ! + (+B@ -,Y
,- A. C@ - @ - +B@ ? -C@ ? J-C+ A+
! + O@CA CD 8D-. (2 A >,, < $ 0 C - $ & (
D- . - EC@@D U@J+ EG +B@ ? -AU - +B@ " - J @ - +B@
C@ + ! + O@CA CD 8 D A.@C-> J A +B@ ,J E@+ @@A
! +X@C, AD AD + ,*(-C +B@ C@ >@ - +C @,,@C A D Y
+C@ ! + / - ? A. - > U - - 2 @+ 2 J@ @ # > U - - 2@+ 2
->AD A ! A / - ? A. - ! + / - ? A. - @ @C2 G@,, -
@ @C ! + @C ? AJ@ C2 A@D@ @C+J@ C ! + -E A
., 2 A@U AD - J, +@ ., ? A> +>C@D + ! + -E A
A 5C A @) ! + " @,@A +@ 8 @@ I>-+ (! + : -BA +-A'
C E AD2 + JJ@+ ,0(B ,+@C-C B A. ? A' C-J@ 8 T) " &. ' 3
& ' f &@C+B (! + 9 ,D - ,D 8 @@ I>-+ (! + @. @C2 +B@
A ?@ - B-C @ C @ -C +BC@@ G@ C -,D C>A + / -A +@C
A + +>+@D EG % -,-A@, ! + @. @C A ;QQM ! + -> . C->J2
@ + -A - +B@ ? ->A+ A , ?@ + -A@ - -C+B ?@C 2 @,,
D@ @,-J@D A + +@ E-CD@C A. -A +B@ >JJ@C 3 JJ ! +
> 8 > @(E CU2 +B@ E CU - +B@ 7 @ + AD A BC>E
5& - - $6!& 1) ') - (> @D A + AA A. ! + 3 B @, j 2
+B@ A ?@ - -A@ - +B@ X-C@ 2 B B JC-D> @D A@
I > , +G - -C A.@2 ! + # ? @C' 8 -CC>J+,G (& - $ +
-C +@D2 U AD - -C +@D ? A> +>C@D + ! + # ? @C'
;KL< / B) A % " ! ? +B 8;K=N(" ;=O
3 G ! + O@CA CD D-. 2 O ;KQQ ' , " , !(? " (LOQ O
B@ C@ + ! + O@CA CD / - . - +B@ JC@ @A+ D G J- @CY
>, A ? ,2 , C.@ ? + ;K(K= $ * > $ 0 > .
=M= ; E . ! + O@CA CD ;QKO < ' (" ' &*
? P=; ! + / - ? A. - %> U- 1 (A ! +
/ - ? A. - 5 , -A ;Q<L .. +C ?) %%& ! $ ((
? OL; B@ ! + / - ? A. - %B@ A>+ %) C
& - ' ' (AA);KOO L= <&& >) " (8@D =(2 M==
5C- ? +B@ D@JC@D + -A + B - ? ? ++@D A +B@ 7 @ + AD @
AD -A +B@ ? @C A %- +2 + B E@@A ,,@D +B@ ! + / -Y
? A.- @ @C ;M<L 3 . $ A) ' 0 & - * !0 < $ 0
< <L B ! + @C ? A J@ C2 -+B@C @ ,,@D +B@ 6 AUA- A
&@ C - +B@ 5 C@2 B @CG +@AD@C &>,J ;KPK # 7
' .) 0 ? $. %0 (8;KP<(QQ 3 ,+-A ! A+
@C ? A +B . C + - +B@ C- @ +@ C,G % +B@C A@
$> @+ U AA@D -,D %B > @C A +@C O@>) @ ;KQN
BU $! &%< !$ 3 - $. <; '& (-CD A. +- 3
&@, . -+ +B@ ! + -E A ., - ? J- @D - 2 ! , QL N2
? @ ;P P2 ! -D T ! ;KQP = .. (! ' $ OL<
$ '. ' $ *&) !$, %&! $(! JC@A. ? $ & - $ C&) !$, 3
%&! $($ -SE ! + " @,@A @ AD A- C@ -CD - +B@
J, A+ B A. E@@A @ @C > @D >E + +>+@ -C +@ ;K<Q
" 0 &,0 50((! ' $ $(U AD - +@ ? D@
A +B@ , AD - ! + " @,@A EG A > A. +B@ ,@ @ - +B@
J, A+ ? $ & ' $ *&) !$, %&! $0 ;MLK ")) >
'& 8;QQ=(;;< " @A @ - ! + : -BA +-A' C EE AD
? @ +B@ -CD ;KSM ! & (2 - E@ @A+
+- " @ @A " ! A+ : -BA +-A@' + JJ + E->+ ? G B > @
;K<Q " 0 &,0 50(T 0 V ! $,&! 000 C @+G - AY
,>@AX - >CC A. A +B@ " @EC D@ 2 E@, @ @D +- E@ EC->.B+
EG +C A.@C C- ? B J +-> B A. + +B@ , AD ;QQK A
?$! " > $, ' (8;K=P(=QN ; ! + @.@C' ! + U@ -
OP . @ B ;KOP % 3 9 ' 0 * " 8;<NQ(LOQ
B +B@ @++6 A. D G -C ,, E@+ ? D@ >J-A +B@ .C@ +
/ -A +@C ! + @. @C2 ;KML $ ' 0 < &!0 LNQ B@ ! +
-> , ?@ +-A@ 8OPN @@+ +B U(2 - @C, D EG @CC>. A->
AD +-A@ 8ONN @@+(;KQ< ' , " , ? (4 LPN O ! + ->
.C->J] ?@ +-A@ +B B ,@2 A J, @ OPN @@+ ;K=N
! - ($ 0 (A <<O K . > O CU ;KPO
= 6 $ ' ' i) " ' 8;KPL(<= ! +2 > O CU 2
D +- E@ > + E,@ -C + AA A. %4KLN) ! + 3 B @, '
-C A.@ ^ @@ 7 ;5 K V $ OA $! " 2 OO / @ L ;
+ ? G +B + - ?@ D G @@+ ! + 3 B @, ? G J-> A
>J-A > . A ;PLN . 7 OM< ; !@GA+ " - ? @C' -C
+@DD@2 - " & $ 0 ;PPO ' 0) , <&& 8! >C+@@ (
MS -J@ - C@ D ! A+ B- ? -C +@D

O 2 10 B-,G J@C -A2

#A@ - +B@ E,@ @D D@ D A " @ @A 6 > ,,G
$ S - - - & $ $ ' ' LPP J C B EE) @A., @ D) A@
DC@ ? 2 A + A. +, a
; L 2) & (;N=NO 8 -++ (5@ > B J #C A+@ ^% Q
B ,> a BG@ A B@>@A E, ;LK 9 . 6 !0 . 0 =MQ
+B- AD aV- AD E@A@ ? - - @ A+ A B@ @A J@ @
U A-AG @A A J- U ,@AD@C) =) C " - 8;K<P(Q 8
%) - + 3 U@ B@ ? +- E@ C@ CD D J @GA+ A @AD@,@ E,

;!<O ' & % $ - 2 LO< - " >@ 7 +B -D AD
B @,@ +@D A+ A B@ >@A ;MPQ / I) ' $!
-0 <0 $! & ' (B@ -A > ? ? + -A AD J@C @ + -A
- +B@ A+ ' @, +G B ,, E@ + +B@ C@ >CC@ + -A - +B@ D@ D
;QK; 8 1) ;PN !B@2 B , A A.@, A B@C - A Y
->A+2 / ->E+ A-+ B@C@ +@C +B +B@ A+ +- ? ->A+ ;KP;
" - ' (T 2 7 +B +B@ ! A+ B@C@Y
+@C @ " - J@ +- E@ C +B@ J , ?);KM= 1 9 ' 8 " - ' (
5-C ,,2 BG ! A+ B- C- ? +B@ C, E->C C@ + ;KQP = R
7 &! " < & ;<; ? >, + +>D@ B- A @ A-+
E@@A A-A @D -A @ C+B2 +B->.B +B@G C@ A+ A B@ @A
/ , 0 #A@ - +B- @ J@C -A B- C@ -C ? ,,G
C@ - .A X@D EG +B@ %B>C B B A. EG +B@ C @SY
@J+ -A ,B-, A@ - , @ ++ A@D A @S ,+@D + + -A
A B@ @A2 AD E@ A. @A+ +,@D A A @ ? A@A+
D@. C@@ +- +B@ @A@C + -A - +B@ +B >, A-A X@D
J@C -A A &C@ $@ -C ? + -A > @2 +B@ +@C ? ? J, @
+B + +B@ J@C -A - D@ . A +@D ? G E@ , >,,G
DDC@ @D A JC G@C -C +B@ C A+@C @ -A +B -D2
AD +B + ? C ,@ B @ E@@A C->.B+ +BC->.B +B@ C
D +@C D@ +B) i & " $ $ ' H +- J G
-A@ D@ -+ -A + B BC A@2 8% (M 16 N$.
^ S - - -) 5$ A ! @@+ 03 0 $ 8;K<=(KP -D
!@ >+@,-D@ J + B@ B ,) A + @ J @+ B@- -A, ,@-B+
- J @+ .@+@,D +C@B+ +-D >J +- B@- -A> ? ;SOO ((
& ' 0 >D 3 ! (A NQ<2 " @ @ -A 6 @@-C!, A .2 B@
A> @ +@C D@ !@ B@- -A, A + a
;SLNN) & (OKMN= - . -DD ? @C C AD ,,
@GA+@ - B@>@A @C@2 $;LSN A 7 C .B+ " , C 0 SSS <M
&C@G@ @ ,,@ +- ->C@ ,@ @DG2 A+ +- +B@ -A+@ +B + -A@+B
B C@ EG Ii$J>& B & " !) M< 8;;K(A @ -
E DD@2 AD C@D@ -A B-,G @GA+@ ,G @ , O$ ') &% (
S) ,,@ . CC@ @U@ GA+@ -C +E U@ O&A%) 7
<) !0 C ! 0 ON > B 5-C @GA+G G B +B + > C@D@ -2 -+ CGB+
@, +B ++B@G E@ . - -J C DG ;PNN ON +H V C& - 55 (
MP 7 @ JC G +- ,, +B@ ! A + - B@ A2 B + C E- +B@
+@CC @ ? 4PKK : 7 +C $ ') > $, 0 A $!)
$, $ 8! ! (ONM B JC @ @A+ 9 ,@AD C I>B C A
- ? JC@B@AD + +B@ ! A +@ AD ? C+GC@ +B +B@ +G ?@ -
+B C D@ +B -C > @C A. ;M;= 1 ' .. J C $, 2
& - e O; @ +B@C ,, @ -A,G .,-C @ -D A B ! A+
E>+ @@ ,, ? . ? @ +B@ ! A+ -C +B@ C@S @,,@A+ .C @
4QOM O - 5*& 0 L< 0 ;=M & CD-A -C AD>,.@A @ 2 B B
C@ JC- ? 'D +- +B- @ +B + + > B ! A+ -C %B J@,
;QPM) +C V " ! > $ 0 8;QMN(== B@ +,@ - ! +
, ? -2 -C ! + C ? -2 - ,,@D C- ? B>C B D@D +@D +- +B +
A+ ;K=Q 8 .. ? 0 0S ;L= -A D@C E,@
A> ? E@C - B>C B@ C@ ,,@D +@C +B@ A ?@ - +B@ JC ? Y
+ @ A+ - ->C , AD ;KM B ? 0) ' LOL
@ BA ,,G2 +- ? U@ A+2 +B@C@ B->,D E@ A + -
J-A+ ,*>C D + -A
C & 1($//+ . ;NP E2 B@ @ D .@
? G.B+ +B A B >@ E@A@ ->AD@ +C>@2 > B@ GA+2 > B@
BCGA@2 > B@ B@C@2 > B@ E-++@,,
E C@JC@ @A+ + -A -C ? .@ - A+
;PML & - ! A 0 - $? F I *2 !> B C@J,@
? @ AD ,>+@D +B A+ - #U@ 4MQ< &510 ? $!!0 8;KKP(
P<= AD B-2 +- >CA B B - A A+2 % A @ X@ -,D
%C- 2 -C ! , @C ! A+ S!SG) = 7 $ ', . 8;K;K(
JX 5C> + A S -CU2 AD A+ A C -&)!)0 ;K=<
&& - $ ' S 2 5 C C@ D @C +- -C B J .-,D A.@,
+B A J A+@D A+);K<L ' 0 ! 0 $ - $ OQ
+B@ B @,,@D2 J A+@D A+ B ? @, +@JJ@D D- A
C- ? ? CE,@ A B@

4 $ ' % JJ, @D @ . +- J@C -A B- C@ +B@
-E*@ + - J- +B> ? -> C@ @C@A @ A A-A %BC + A
C@, . -A 2 , - $! " +- B@ +B@A D@ + @ 2 @+
4L V 0 ! (MQML B-> B ,+ GAD@ +C- @ + - !@GA+@
AD B-,G +B@G E>+B E- %4=NN 0 & " ONNN ,, +B@
E>@CA@ ? +B@ E-+@2 O@ -.B+ A+- A++@ \ +- @C@ .-DD@
1 0 ;ONQ; J@ GA+ - B@,, 7 @C@ -D@ A B-C @CU -C
C@U@ - B ,,@ 2 SM-S ' ..) = # +B@C C@
J>A B@D EG +B@ A+ B- ? +B@G D-C@2 AD +B@ B-,G
@C@ ? -A @ B B +B@G -E @C>@ SM M = .) A &>C B
C ! - $ <<< #A@ - A+ +B@G B >@ B- ? +B@G @SJC@ @
EG J, A@ C->AD +-A@ 2 ;KQM (# 3 &) ?& ' $
L=O B@C@ C@ ? AG . G U - I>@ C A. - @C +B@ .C @
- 3 - ,@ ? A+ 2

A E E, , > @2 -A@ - -D ' B- @A J@-J,@ A
+B@ @ @ + ? @A+2 -A@ - +B@ @,@ + >AD@C +B@ @
% I @A A+ ? @ ? E@C - +B@ %BC + A B>C B %BC Y
+ A " @A @ > @D EG - ? @ C@, . -> E-D @ +B@ C
- A D@ .A + -A2 @ . EG - ? @ J>C + A , @ + A +B@
M Q+B 2 AD EG +B@ 3 -C ? -A 8 @@ ") D
;LKO 9 . 6 & 0 O - +B@ B ,- D A %C + B@ >2
,@J D @GA+ SX;) . , S LO) @+@ ,U@D
+BC->.B->+@ ,, I > C+@C 2 B@ ? +- +B@ A + B B D @,+
+ ,GDD ;PMQ <) = <& ! ?00 8! ! (;NL -D2 -C
+BG .C @2 %@ A-+ +- @AD +BG ! A + >A@ >JJ-C+ ;P<Q
' , , !0 C& ;OL B@ @,,- B J - B ! A +
A +B JC@ @A+ -C,D SMS- O # !, (2 2
@C> A+ - +B@ @S ,'D OC@+BC@A2 B + D@ *@ +B DD- @
AD +B -CJB A@ . - - D AD ? U@ > + ->A+ A+-
+B@ ! A+ / @ -A 909] $*! &% 0 2 ;OP
" G-> A G->C JC-JB A@ !B-J2 AG @ @ # '+B@
! A+ + ? +@CD ? ;MPK 8 .) &! ' $ ' (
2 7 B + JC@ B A.2 AD B->, A.2 AD + A.2 AD @ + A.
? -A. +B@ ! A+ ;QN= (. 0 i $ SSS
8 QL<V =+- A +B@ E@. AA A. - %BC + A +G2 +B@ -CD ! A+
JJ, @D +- ,, O@, @ @C ;QSN ^ ") 6) V ' 0
0 ' 0 ;QE 7 @ @@ ? +- B @ -C. -+ +B@ $ ' ' '
C- ? = ; +- MN ;QK % A % C> % 8;K=Q(OK
- B@ ? J,@ U@@J A. B-C @2 +B + +B@ ? -A@G ? G
B@,J +B@ A+ - %BC + ;QKM B ! C ' . 2
-D,G ? @@+ A. - " +B@ >A+ O G +B@@ A J C'D ;K=Q "
7 ' ,0 ? (0 L; + A-+2 ? JC-E E,@ +B + ! +
& >, B->,D B @ E@ - ?@ I>? A+@D +B - ?@ - +B@ @
J+ @ 2 EG ? @ A - - ?@ - +B@ ! A+ A % C B-> @Y
B-,D ;KML & - - ($ 0 55('B@ &C@ @2
D +@D 3 A B@ +@C2 ;K=N2 C A +B> T B@ ! A+ A +B
->A+G B @ E@@A @CG D@ C-> -C j " G ? A O - - U D J+@D
+- +B@ C +B AD -C B J ' SKKM $. G - (ON= $@
, . -> !@ + 2 ! A+

E A E E, , > @ JJ, @D +- A.@,

;LK 9 . 6 ' (555 - (> B@ ,9 CD J@C,D@ C- +B@

B ' - '&B C A2' AD' +B' BG? '+B-> AD, ' - ' @GA+, ' MSS'
. ' 6) ' ;= B@' -CD' - ? ? @+B' +B' +@A' +B-> AD ' - '
B ' ! A+ ' ;MMQ' = . 'C(' (' '=M' EC @,2' ,@ D -C+B' ? G'
AA @D' ! A+
! ' ' J@C -A' ' - ' @S+C -CD A CG' B-, A@ ' - ' , @'
! - ? @+ ? @ ' C-A ,,G2' 'J@C -A' ? U A.' A'->+ CD'
JC- @ -A' - ' J @+G
$/%J' - L '# ' P' 0' ;OPK O ?&' 0' 7 @,' ? G +@C'%->A+C-, '
,@C2' ' ?'A-' A + ' 1 0' ;LQ= O' ! >C@,G' G->' ->,D' ? ->@'
' ! A+' +B' G->C' ? J@C+ A@A+'C@ -A ' ;P<M' $ - ('
0' ;;;' >'OK' 5-C' > B' A' A >C @' ->,D' @S@' ' @CG' A+'
;MOP' 'X 0"') * , &' '7 B +' ->,D' 3 @A' B >@ ' / -@'
+B@G' +B AU@2' +B- @' +B@G' @? J,-G' AD'D@ ,@' +B2' C@' ! A+ ' '
OMQQ' 7 ' ' B7 ' $' '&%' '' ' '<< 7 @' B @'C@ D' - '
% AA E ,, ' +B +' D@ ->C' +B@' ,@ B' - ' 3 @A' > B' ' B@G' C@'
! A+ ' +-'& J + ' 5-C2' B@G'D@ ->C'+B@ C' -D' ' ;QLO' 1 '
* 0' &1 $ - 'O=M' #D -> ' ' A' --,,@A' ' + ->,D' ! 2' A+' JC-Y
-U@' ;Q=<' 6' 0' S' 8;Q<O(' ' LN;2' ' B @'
- ? @+ ? @ ' UA- A' ! A+ ' C@ ,,G' C@, . -> ' ;KK=' $ * >'
$ 0' : A 'O<M ;' 7 @C@' G->' ' A+' +' -,,@.@ ' ;KK=' " 2' '
# ' = ! +' ! A+ ' AD' ! AA@C ' 0;KKQ' " ' 7 2'
C & 0' C!" - &) .' C) !* ' ;QK' & ,' A-+' D-' +-' E@' A+ ' +
? @@+ A.' AD' AA@C '@ @CG B@C@' @, @2
E ' &C- @CE
;PNN ON' B 'C& - ' S, LP' # ' P>A.' A + ' .C- , '
>,D' @GAD 'E>+' E,@ 2' $//A' ' . - ('&' ' & '
C $" ' 8;PMO(' " = E2' B@' -,D' JC->@CE' G-A.' A+ 2' -,D'
D@> , ' SMSM' ! ' ' *) ' $- ' ' B +' &C->@CE'
A>@A+@D' EG' +B@' / >@,,' +B +' G->A.' ! A+ ' JC->@' -,D' / ,>@, '
)M ' - B.. ' - 0' ' =' / D' E@. A' +-)' E@' . - - D' E@+ ? @ 2'
' G->A.' ! A+2' AD' G@+' C- @D' +B +' J@ + ,@A+' &C- @CE2'
A-' -,D' D@ ,, ' ;M<=' = BL' $1 !$ ' ' S 'OP=
. ' 'A UA ? @' -C' ' ' ? @? E@C' - ' 'C@, . -> '
- + -A' +' % ? EC D.@' 8 @@' I>-+ (' - ' 0
;Q<L' ,, 0' C &,0' $ 0' 6 0' ' ;NQ ' B@ @D' +B@?'^ '+ -'
,@++@C +' +-' - ? @' - ' ? G' C @AD 2' ' A + A @ ' - '+B@' ,@D' ->+' - ' +B@'
- '+B@' A+ ' ;KNL' < $ ' $ ' $' $1 0' $ ' (' ' @+' -'
? @A' B- ' B @' .C@ +' JC@+@A -A ' + ' J C+ >, C' A + +G' - '
? AA@C ' AD' X@ ,' -C' -C+B-D-SG' $ A' = ' . 1 ?MS'
(' ' 0' ' LK'^ / @ A' 3 ,A@Ca' ' + ' +B@' B@ D' - ' +B@'
J C+G' >, . C,G' ,,@D' +B@' ! A+ 2' +B@' JC@ B@C' - ' -C,D'
C@A>A + -A' AD' @, D@A , ' A-+B@C',@ D@C2' - ' +B ' J C+G'
'%B C,@ ' ! ? @-A
E ' # A@' - ' +B@' J C+G' B B' JC- ? -+@D' +B@' . + Y
+ -A' A' A. , AD' . A + ' , @CG)' - ' (
;KLN' ' ! ' 9 ' " ' !0' OK;' B@' C @AD ' - ' A@.C-'
@? A J + -A C@' ,C@ DG8;KOL =('B-A->C@D' +B' +B@' A UY
A ? @' - ' T' ! A+ ' ' $ JJ' = 0' & 'S 2' T O>+' D-'
G->' +B AU' +B +' +B ' ,U@,G' +-' - >C' ') ' D-2' ? - +' @CY
+ A,G2' '+B- @' B-' .- @CA' -A+ A>@' +-', +@A' +-' +B@' A D ->'
D @' - ' +B@' J C+G' D@A-? A +@D' T ! A+ ' ' ;KKN' ! ' 9 .R
1 . ' 0' ' (' S ' ;<M' B@' 7 @ +' AD A' @C@'
>C -> ' +B' ! + A,@G' -C'D- A.' - ' ? > B' +B@' T' ! A+ ' ' @C@'
AA-G@D' +B' B ?' -C'D- A.' - ' , ++,@
M ' $! 1 0' AD' & - 1 0 P' $ ' 3$) & ' 3 - $ "
3* & , , , ' $ ' 31 - ' ' ^ " (' 3%$, (' 3 &!"(
3*! $ ' (' 3 - ' ' D* ' $ ' 3 - $. (' 3 - $. ' (
(' 3 2 & * (' 2 & **) (A+' ' D G2' ' D G'
@+' J C+' EG' +B@' %B>C B' -C' -E @C A.' +B@' ? @? -CG'
- ' ' A+' ' A+' ' B@ D' +-A@2' ' A ? @' -C' '
U AD' - ', ? @ +-A@'
;Q;;' 6 ' $ $,0' =5 "%+' ' ;MP' ' A+ >+B-C' - '
,' ? @A' ,@ +' ,>@ ' J-, +@A@ ' $%/+' L ' $ ' > ('
' e' P' O<' B +' ! A+ E@ @@? A.' -CU' ;QQK' * 0' '
&' ') , ' $ ' A' ?" <& ' ;K' :>,G' 8;K<=(LQM
- ' A+ @G@D' J + @A @' C- ?' , + -A' ' D- - C' ;KO<' " 2'
' 8 ' ?$1" !&' ' M' ! - ? @'> >C -> ' AD' A+ @D'
F> U@C)' OSMSQ' ' * 0' 8;MPK(' Q' ! > B' E@,@@ @C'
B-' ,' A-+' E@' ->A+@D' ! A+ B-,G' $%+&' '
' 20' &'C&* " - ' O'O2' 7 B-' ? D@' +B@' & -J@' ' ! A+ '
? U@C' ' ;QMN QO' " ' &&!'&%A) $!0' 8;KN<(' " ' ;<' '
? A' B-' ,,@D' +B@' A+ ? U@C ? CC @D' , @' BC@ '
A' > @, -A2' AD' ? D@' C X@, ' - ' @ @CG' -A@' - ' +B@? ' $ +A'
0' $ ' , ' e' O' ;KM' B@' B>C B' - ' $- ? @'
D@ C-> ' - ' @A.C- A.' +B ' J- @C' - A+ ? U A.2' ;KOM
7 ' ') 8 ' 5$ - 0' &5> ' $!0' C & 0' $ ' ' =QL' 5 - S'
E@ A.' A' A+' - ' A+ ? C+GC2' +B->.B+' JC- J@C' +-' A-A X@'
' @, D@ +C-G@C' $%+$' 9 3 ' 0' $ 0' O'Q'E2' BG'
@@+@' A+ J,@ A.' -A.' -C.-++@A' ;QS;" 6
$ $,0' 8;QLQ(' ' OQL' B@' , DG j @C@' +B@' A+ JC-'
+@ +C @' +-' B-? ' +B@' B ? J -A' B@ ,G' J D' +B@ C' -
$';=PN' 3 1 9%' $!' OMQ' _ - .B' @' B ,- @A' E>+' @ ' GA+@
D G@ 2' L@+' @' E@A' >, ' A@ ,G.@A+' GA' ->C@' @C>G @' $>A%'
. 66 ' C$ &' ' =QL2' AA-+' AD +B +' @' A' +C @'
B +' @' ,'+B@' ! A+ / G 'B .B@C'+B A'+B@'@ .B+B' -C'A A+, '
%@A+>CG ' ;K=Q' %2' '60' " ' SS 2' , X ' ' . - A@' +-'
++@AD' ')+' D G' @C @' +' +B@' @ '%B>C B' $ %J' ' 8R
' ' ! ' & - ' ;NN' # A' ' ! >AD G' -C' ! A+' 'D G2'
$' $%&$' 1' = B 7B' , ' ' &' 0' 8;M=O(L<P' B@ C') A+'
@@? A.' A + +G' $/%J' = ') ,) !) ' & - - @' A' *!0' O<L'
+B@2) ! A +' @C>@C '^ ' ,) ! & ') &) -] ' D-@' A' ->C' D G@'
;QML')) - ') 0' SSS 'LQ<' B@C@' ' C@I>@A+,G' ->AD'
A' +B@' , G' @CG' B CD' ,G 2' -C' ? A+ B@ D' +DA@ ' M-S'
9 3 ' 0' $ (' 'Q2' +-A'D D' ? C B' A ! A+ +CB ? JB'
A.' B- @ ' ;MQQ' < ' ' < ' ! ' ' ;QL' B@' ? J>+ + -A'
- ' ! A+ -C BJ' $>>/') ' - (' $0' ONQ' B@' J-J B'
A+ -C B J' ;KKO L' , $B%> ' ' , " ,!0' ! (' V ' & 2 !!0'
ON<K B@' E> @ ' - ' A+ -C BJ' ;MSP' 6 .)' 5* & 0' &!0'
' ;<8;MOK(' ;OQ' ! A + -, + 2&B C @ AD ! A+ -C B JJ@C '
$%& ' < 7 ' ' ' 0' ;Q= ,,' +B +' @C@'+B@C@' JC@ @A+2' ' @,,'
! A+ -C B JJ@C 2' ' AD@@D' +B +' D-, ' -C B JJ@C ' '
! A+ ' 8) A+()' 0 5 - C? ' @@' 1 0:' , -'
' -A+@D ' ^ ' ' 1 0W
' * $ 0 - ' E@' -C E@ - ? @' ' A+' A 2" @ @A2
1 0 - C' $, 0
$ OO ' ' , 0' (' LPN' J@-' J ,@.C ? @ ' ;V@' - - ! ' +-> CD'
B@->@A@2' B@-' . - - ' -C+@' E@-A' -A+@D' ;MNL' $ 0% & '
0' ' L= ' B-,D' G-> ' ' +B A.'@A ,D@D)' AD' A+@D' ;KP='
76' ? ' &' %' C$ $ (' C & -) ' 2' # A,G' +B- @' @C'
C- A@D' AD' A+@D' 7 B-' +B' . C @' B @' E@@A' I> +B@D
/ ' $ ' 0 - ' ,' 8 ' J@C -A(' ' A+2 . @' +B@
A ? @' - ' T' A+') + - ' +-' C@ U-A' ? -A.' , @' A+ '
* ,(+-' @AC-,,' ? -A.' +B@'A>? E@C' - ' A+ ' -C? ,,G'
C@ - . A X@D' EG' +B@' %B>C B ' +-' A-A X@

LQP' B ' ?) , '%& : ' KQP' B ' +B- ? 2' B +' -A'
+B ' ' ? D' ? C+ C' 2' 7 @' A + +' AD' ? GC , ' D D'
9' ' ! D) '&%' & - ' 8;PM) (SK-' " @' 8* ' &-J@' : -BA'
O QQV' A+@D' , - ' B- ? ' - ' I> A@' +B@' E, U@ C @C2' SM- '
9 3 ' 0' $ 0' 5 L2' " @' JC D2' D-CAD2' AD' -C' '
? C+GC' A+@D2' 7 B , +' ' 8$- ? @' ' - @(' ? G' C +@ ' - ' E>C ,"
A+@D ' ;MOO' "C&!"3&!1(SS ' NMN' B@C@' -+B@C'
B-,G' 9 A. ' @C@' , U@ @2' B-' -A @ 'D2' 7 B B' +B- @' ? - +'
X@ ,-> ' + ? @ 'B @' A+@D' ;MOK' , &,& - 0(' '
"C&, ' 8 CE (' ML' !B@@' D->E+ ' - ' +B@' C. A' 3 C @' '
! ,> + -A2' AD' D C@' A-+' ! A+' B@C' ;M<N' (' ? $) '
8;M<O(' ;LP' B@' ? - +' .@A@C->' AD' EC @' ! J C + 2' +B- @' B- ?'
& . A ? ' B ' / @ G'D2' AD' %BC + A +G' B ' ! A+@D' 4QNPV
)) ' $!" (' ' ' $' L<;' ' ! B- - @ 3 U@C' +B +' B ' E@@A'
O@ + G'D2' +B-' A@ @C' ! A+@D' ;KLN') 7 ' $1! 3 0'
=' :>A@2' ^ :@C@? Ga' G, -C2' A+ ' @ @CG' +C>? J@CG' ? -AU' AD'
C C2' D- A'+-'+B@' @CG', +@ +' A-A X + -A 'EG' ? - D@CA' J-J@ 2'
X) ' ' 0' 2 & " ! ' ;PO' B@G' B->+2' T O@Y
B-,D' ' A+' AD' , @C' - @ ' A+' ? @' C- ?' E- @' S--M'
- 0' <$O0' +-' : >A@' P ;' B@' ADG' B-C@ ' - ' $ @C' D2'
B@C@' " -,G' # , ' E-A@ ' @C@' , D' +- ' C@ +' E@ -C@' B@' B D'
E@@A' ? A+@D
% 0' = ! &' $1 &!0' 1 0
' 1 ' ' . ' $ 0' H0 ' ! >C@' ,' B@' A+' B@C' A' B '
% ,@AD@C@ ' $' ;MOP' - . ') - 0') (' ? ' ' -C+>A@'
D C@' J, G' +B@' ! ,>+' . A@' ',' A@ @C' ? -C@' ! A+' B@C.' ;MLO'
' & !!$' ' 2' - @C ' B , ' A+' +B@@' AD'+B ' D G'
B ,' E@' 5-C' @ @C ,,@AD@CD' +-' ' @' AD' +B@@' ;QOQ =M'
;=K, ' , C@D2' B- @' B , - 'D' A ? @' +B@
C+>@ A+' ;QOK' 1 ') ' 0' LPQ' &C- ? J+' -C' +-' .> CD' -C'
+ E2' +-' A+' -C'D ? A
' 8 ' ' ! ' / ' ' / '
D ' ' / $ 0
$%+0' 0' $ ' ;' 2' AD' A' +B@' A -A @ > A.'
>, . C' -C+2' ! > B' A' ? JC@ -A' - ' B ' . - - DA@' . >@' '
! A+@D' B A>' ;M=< = . ' .& ' 0' &C@ ' O L2' B->.B' +B@)'
& +>C@' @++' A' 5C- A+' ->,D' 3 C+GC' B ? ' AD' ! A+' B ?' +- '
E@ - - ,@' +B@' J@-J,@' ;QN;' ? $5 'C$ $1. 0' (' 0' & - + C2'
" - @ @C' B-,G' ! , A' @S > @' +B@? 2' AD' +B@' @' - ' O-E@ '
, A@' A+' +B@? 2' +B@' .@A@C , +G' - ' +B@' @C' A' 7 C +@C ' D - A'
+B@? ' ;KPL' ' ' ?) ' "$' (' @+ ' ;QM' " @' @,,'
>J-A' + ' B@A' +B@' %B>C B' - ' A., AD' -A+ A@D' ? AG'
? @A' B- @' .@A > ' AD' J @+G' ->,D' B ' ? ? -C+ , X@D' AD'
A+@D' +B@? ' A' A' @ C, @C' .@
" &!0' ;KKQ' 8 7' C$! " ' ? - $ ' $' !! '
'OC @' A' B B' A+' B@A' BC @A2
H] $' G ' ! ' 23
$ 1 0
;MPO' - ' & . 0' *$' S , ' ;;<' 7 B@+B@C' +B ' 7 @,,'
' ! A+@D' C- ?' + 'C@ ,' @C+>@ 2-C' -A@,G >JJ- @D' @C+>@ '
;MPP' - B. . ' 0' 00HH0' ' e' OO +@C .@ - @C +@D'
+B@ C' J C+' A' BC A A.2' A+ A.' AD' D-C A.' B ' $@, U '
;MPQ' . 4 '< &) C! $ &! ' ' A' @ @? ? ++@C +-' JC- @ @'
+B@' - J@,,2 +' - ' ! A+ ' A @D' > @
! $' -' A ? @' 8 - ? @+B A.(' +@C' ' A+' $ Y 0
;QNM' 3)' &! ' ? $! ' A' 5, - G@C' 0' &! ' ? $ ' '
'L;<' ' 7 @,,2' ! A+@D' +B' +B@' ? @' - ' AA@
b$' ' 0 G ' ' 3 ' ' ' 3 ' ' 2'
D ' 2' ' $ ' ' ' ' 2 1 ' 0
,' ;=MN' %%2)! "' " 0' S 'ON<' $. ' ? > +' B >@' C@>@C '
@A @ ' BG2' B-' E@' B O-+2' ? U2' ,G +' G@' GA+ ' ' +C- ''
+B +' G@' , A. ' ;) N' . 7 ') Q ; ' JC G@' -D' ' GA+@'
+B A' ;PQ;' $ 0' C& - ' %& - 0' SS 'ON=' A@' ' Y
> @2' ' - ? @' A-+' B@ C' +-' ! A+2 ,' ;PKP' $ ' - ' A ' ;OKN'
@+ 3 +C@ ' A @ . - ' A+' +' B@C@' B@' , +' ;P<<' f
@+ ' C$ 0' C ! 0' L=0' B AU@' - ? @A' + ,'+-' +C >@' +B' ? @A2'
- ' AA@' ADB@>@C' -C' +-' ! A+' ;M;<' 7 ' ' 5* 0'
X ? ' 8;MLN(' ;KL' 7 B +' A@@D' +-' ! A+' +' A' G->+B ' + ? @'
@A->.B' +-'C@J@A+' A' .@' ' ;QLP' 1 ' * 0' $ "' ;P' 7 B@+B@C'
+B@' %B C? @C' AA@C' +2 -C' A+' +' ;QLQ' I ' C & 0'
8;QPN(' QM' @ +B@C' @' A >' ' +-' AU2' A-C' @' B ,G' ' + -'
>A+' SKK- ' ' 0' ? $! ' OM ' " @' A+@D' +'
AD' AA@C@D' +' A' +>CA
! A+' 3 ' ' A; ' 9'
' ! A+ . @ ' 1 0 '&' , 3 & 0 K $ ' 1 0
& - $ D] ') . ' ' $
;MPQ' : ' 9 ' 0' 0') 0' KP' 7 B@A' B@' E' E@ -C@' +B@?'
+B@G' ? > + D-' +B@ C' " - ? . @2' AD' +B@ C' A+ . @' >A+-' B ?
! A + E @, , ' ' , ' R
') ? .$ K $ ' 1 0 1 * " .
$ G ' ' ' ' / ! $ '
3 2$
;K=0' ' 0' - &' ' " ! ' M ' ,' A-+' @ @' +-'
.C J' +B@' B-J@ 'B-,D' # ' ! A+D- ? ' ;KMO' 3 ' (1 ' %'
&% , (') ' ' KO -C'>A+ ,' +B +' .C@ +' ? A2' 7 -DC- 2'
C- @2' ' +B@' ! A+D- ? ' - ' ! -+, AD' JC-J,G@C G@' -CD@D'
OKKQ' I ' # ' ') $' $ '^ &0' & + @A @ ' ' CY
D A ' C+>@' - ' : @ B' A+D- ?
(* -< ') 6Y= ./ * * ! 0' $0 ' ' ' $' K $
1* :/L
: $ + ' ' ' ' D A D '
' ' 3 /
OML;') ' $! & ' 03"O ' B@ @' ! ? A+@D' C BY
E B-J ' $' $%JJ' B ' 0' 8;MLP(OO=' ! - ? @' -+B@C ' B@'
^C@' +B@' &-J@@ ' &-J@a' B +B' ,@+' A' -C' ! A+@D' 3 C+GC 2' - ' B- ?'
- ? @ 'E@,@@ @2' +B +' +B@G' @C@' C@' @S@ >+@D' C +-C'
;QSQ' & 0 !& $' L;O' - @' ' + ? ' +B@A2' +B- 'A- ' A+@D'
? D' ;K=' ' 71' & -$' ' ? $ &' ' S2' B@' , .B+A A.'
B- @D' +B@' A+@D' 5 .>C@ ' -A' +B@' @? @A+' J A+@D') ;KPP'
= B. H@I SS' ' L<Q' @' ^4, a A + +>+@D'
' A@ ' ? , + G' -CD@C' -' UA .B+B--D2' AD' J, @D' +' >AD@C'
+B@' JC- +@ + -A' - 'B ' - A' A+@D' A @ +-C'^! +' 4 -> a
; $ ' ' 2' ' ' ' $
SM- !' QS' ' , - - BG$ -G ,' 5 +B@C' 7 ' ' ? - +'
! A+@D 9 A. ' ;QMN QO' ' &&!'&%'A) $!04 N& +' 0
; \ (; JC G' -C 'E, >,' >@' +-' +B@' >A -A' - ' +B@' A+@D'
J C' ;KSN' ' $ "'&%' 0' A' ' 2' B@' @ @' +BG' A+@D'
? -+B@C'D @D' ;KOM' . ' 0' < "' ' 2' " ' C+>-> '
AD' A+@D' @' SK) ' ' & - 0' ,% 0 0' 9 ' LNO'
B@' -C? @C' B- ? @' - A+@D' JC A @ @
$ ' ?! ' ' ! , ' : /
2$
;W)'), &) ' J ,' O; ' % @' -> ' / >@, ' AD@C' A +@D'
$- B@+ 2' S) S' ' !! ' !!' !!0' 2' Q' O C@ - -+' J,-D

' +B@' -,D' .C->AD' J-A' 7 +B' A+@D' - ' ? G' >,+ ' +-' B >@'
? @AD@D' ;ML= ' . ; ;' ? -A. +' +B@' @A+BC-A'D'
-D ' -A' ! A+@D' @ + ' ;MLO' - ' & . 0 *$' S ' ;OL'
@+' A -+' AG' -A@'*>D .@' ? @'+-' E@' % +B-, U' EG' +B ' ? G' JJC-Y
E + -A' - ' +B ' ! A+@D' 7 @,,' ;QMN' . ' & ' ' ((
' 0' ' :# 0 -, A.EC-U@ C@ D@D' +' O ++@C @ 2' B@C@' B@' '
+@D' , U@' ' A+@D' BC A@' EG' ,' +B@' D + A.> B@D' -+ C @ '
- ' +2' ;KSQ = ' $!!$' 0(' C$ $ ' % C 5 5' AD2'
, U@' ' . , -CG2' +B@' EC- D' >A' " A. ' - @C' ? A+@D' @E A-A'
4K=K ' $' 0' $ ' 2 ! B@' C- U@D' B ? A' B@C' C? 2'
) AD' @J+' ,@A+, G' - @C' B ?' A' ' A+@D' . - AG' - ' +@ C
' ' %' = 2' $ 0(' ' 2' $ \
,' ;)K<' ' A' ' % ? JE@,,' % ' 8 ' 0' &' ' 8;KL=(
' ' ;=<' ! -' A+@D,G' E@ >+@-> ' ' +B@' UA@ ' AD' +B@'
.C @ ' - ' 9 +B C A@
/' &' ,$!0' Y 1 0' K 8 ' '
T * . ' 1 ' 3 ' ' "
' 3 $
4MQ=' :- 1 ' &"0' B' ' 0' ;PM' $B -D@ , , AD' ' " CY
E->C' -C' +B@' ! B>A ? + B' OC@+BC@A2' ' +B@' ! A+' CC A+'
+B@' F> U@C 2 \ ' ;MKK' " ' 9 ' 0' &%' & -
O=' +' , +' B@' ^) 2 .A + > ' -G- , a' C@ -, @D' +-' E@ - ? @' A+'
CC A+' 1 0' LL' / -A' F> S- +' A @D' +B +' ,' 9 A .B+'
CC A+' @A+' +-' " @ @A2' -C' +' ,@ +' + ' &>C. +-CG' AD'
>C@,G' ! A+ CC A+' +B@' D@ @C @D' +-' E@' J, @D' A' ' B .B@C'
.C@@' ;KL< =N' 7 ' Q 3 7' &!% C ' 0' L;M' B@' +@' - '
+B@ @' A+ @CC A+' B D' B +B@C+-'C@? A@D' ' ? G +@CG
' ! A+ @CC A+CG2' /' /
' ' $
;MKK' " ' 9 ' ') 0' 0' &%' & - 'O=' ! A+ CC A+CG'
' ' ? > B' @ @C2' AD' ? -C@' @C+ A' G' +B A' 9A .B+'
CC A+CG' ;Q;;' 6 ' $ $,0' ' ON ' - ? @+B A.'
- ' +B ' ? , + A+' $@, . -A2' - ? @+B A.' - ' +B ' ! - >, C@ > A.'
! J C +2' AD' ! A+ CC A+CG' JC@ ' , ' +,,' ;QMN' - 0'
8;QM=(' LN' @' A' - ' -CD@C' +2' 'A-+' +-' E@' ,@D' ->+' - ' +B@'
G2' EG' +B@' C @+G' - ' JC- J@ + 2' @D' AD' C> A ' B B'
-, +' > 2 +' ->,D' E@' 'A-A @A ,' J @ @' - ' A+ @CC A+' CG'
+-' B>+' ->C' @G@' ;KOM' B ' ' 0 ,,!0' ' !0' ;QL' B@'
G +@? ' - ' ! A+ CC A+CG -C? ' ' -A J >-> ' J C+' -
B +-CG' A +B ' @2' ' 9 A .B+ CC A+CG' A +B@' > @@D A.'
@A+>C @
') @ .$ K $ ' ' * .
' , ' ' $
4==<' A' B-, ' !!) 0' $ ' ' ' 0' - ' ;LO 2' 1 ' E@'
@ B@ ,' +B@' ., -C -> ' @GA+@ ' AD @GA+@ @ ' A' B@ @A'^@+ a'
;PN< - ') ' $!' ' 0' > ' 0' 7 U ' 8;KQM(' LNM
B@' ? - - +' E,@ GD' - ? J AG' - ' GA+@ ' AD' GA+@ @ '
;MOP # ' ' SS e' ! A+ ' C@' A-+' ->C' ? ? @Y
D +@' A+@C @ -C 2 E>+' - ? @' ! A+@ @' ? G' ? U@' ? ? @D +@'
A+@C @ -A' ;QLQ' < ' ($ 0' ' OKQ O' B ' 3 D' -'
C,@ A 2' B- ?' D @C ' 5C@A B' " +-C A ' J +>C@ ->+' '
! A+@' ;KMP' - ' ' A' 7 2 $' 7 ' ! +@JB@A ' % '
0' 8;K<P(' ' LL= ' ? D@' ' J@@ B' , U@A A.' B@C' +-' ' +B@'
C- A@D' A+@ @' A' @ ,@ + ,' B +-CG
') ? .$ K$ ' 1 0' * .
G ' / / ' 2' ' ' D /
;PPN' . ' ' 0' & $ ')0' KP' E2' %->J,GA .@' +' +B' +B@'
D@.C@' - ' BG ' GA+ -D@' ;QPL' & &0Z07R' B@' >JC@? @'
B-A->C' - ' ? -AU B' A+B-) j' ;K;K)' ' 0' (' 2'
"@' @,+' A-' ,' +-' AG' @SJ@D + -A' B B' ? .B+' @AD A.@C' @'
C@ .A' - ' +B@' ? , + CG' A+B- -D' ;KQ)' - ' 0' C $) !' C'
!P=' B@' ., -C -> ' JC-JB@ G' - ' %BC + A' A+B- - D
9 ' / ' 1 !0' 1 0' 1 0 B* UC . ' + I
' ! ' ' ' D A $
;PML KL' - L ' 0' %" 0' OOP O' B@' A + A.' - ' B- ? '
O@ U@+' L% ' 9 ' ' 6) %,(' ! 0' ' &2' C &%0' S' MO'
! A+ ' - ' +B@' &-J@' ' % AA-A X A.' AD' GA+ A.' OML;' 9 3 '
' ,0') ' $!' &' (O<K' B@-D-C@' > @@D@D' / @-D +2' ' A'
@ +2 - A' ! A+ A. ' $' SMMK 3 ' * (' & ' 0' V 0'
& ' OO' ' AD2' B@C@' ? AG' +B@? @, @' ' ! A+ '
@ +@@? ' 1@+' ! A+ A. ' +@C' / @ ' +B' JC-JB A@ ' D@@?
$ 1 0' ;MN=' ' ' 20' &' C&* ' " - ' 'O2' B->'
U' +' B-'+B@? ' A-A X@D ' 1 - >' G' +B@' &-J@)' ' U@'
. A@2' 7 ,'+B->'+B +' A+ A. ' J- @C' ? A+ A@'
') ? 5./ $ 0' %0 ' 1 0' a' $5
$)> 2' $.
;PO<' = ' "$!& ' ' 7 U ' OK= ;' ! @? @' B@' A@>@C' -'
A+ B' +B' AG'A@ ' -A +C> -A' - ' %BC +@' B ' - ,G' . - J@,,'
OPQM < 7 ' ' ! ' <!0' J , 2' B@G' E@' A-'D >@, '8 ' + C - ('
B B' @? @' - ' A+ B' M ' ' &' - 0') '
L' 8;M;<(M;K' B@' @ + + - A' - ' ' ! A+ B' J>C + @' ;KS='
*& ' ' $ 0 4 'LQP' " @' ->,D' A -+' E@ C' J@-J,@' +-' E@'
-'D ? A@D' A+ B' ;K=N ' ' A' 2' &' ' !"' $ 0' 4 '
OKP' / - A +' +B AU' ' ? ' .@++ A.' A+ B2
' 9 $' 1 0 $ ' U' 0 K $ ' 1 0 H
* " . G ' ' 5 ' ' ' P '
') ' ' 1 0' < .$
;M<4' 7 - - V 0' 5& ' 0 ;) MO< ;' B@' J A ' B@')+- - U A'
-A @C+ A.'B ? - ' -D, A@' 2' 0') +-' A+ A. ' &>C + A ?' AD'
! A+ ?
/ 2/ ! $ ' ' ! '
9 S / ' $0' $ 0 K $ ' 1 0' 2 * .
$' G ' ' ' $ 1 0
OSMNL' 8 7 ' &' %) 0' . - 0' 0' +' 8 M K(' P=='
B +' ! A+,@ @' ! A+' AD' A >,' ! ->,D @C' - ' +B@' &-J@2'
B- ? ' O@ U@+
; $ G ' ' $
;K<O' $!"' 2 ' ': A' P P' B@' A+,@ ' J C B' B>C B
' / ' K ' * 9 . ' * ! $ '
' ' D ' 2' / / $
,';PKN # 66 ' ?) 1 $ ' 5' , ') (' ') T' * (
4 % 4 ' =N' 7 B-' +' ! A+@, U@' ' B@' ;MP; ' 8 '
QN' B ' &C A @2' 'B@' ' -A@' - ' +B@' +-->@ +2 +' '' B@' +B@'
! A+, U@ + ' ? A' - ' ,' +B@' / >U@ 2' $5' 5 ' ' C *$ $Q
' &-@+' 7 U ' ;QO;' ' ; ; L' B +' 2' 3 G' ! A+ , U@' , @2'
! A+ , U@' +-' D @' ;KN< 3 ' = 6) A' ' +C A. @'
8;KQN(' QP' B@' A+, U@' ? @@UA@ ' AD' C@ . A + -A' - ' DG'
: A@' ^ C@Ga' ;KLN' 'C& - ' LO AD' - ? @A' ? ,@'
+B' A+, U@) , A @ ' U@' +B A@' - A' ? -+B@C'
' 8) ? +, A@ (' ^ ' . ' N' " V
G ' -AD + -A' -C' I> , +G' - ' E@ A.' A+,G
;KLQ' ' 8 ' ' ' 8;KMO(=;K' B@' J M ' O ^ A+CG

JC- @ -A AD +B@ ?@CCG A+, A@ - @ + , SKK-
$2 7 . $' ($! OMK B@ AA@C , @ - A+Y
, A@ A ,, B>C B@ B -??-A C--+

! A+, A. 8 * A+, .(^ 10 i ". 7 V

, ++,@ -C J@++G A+ 86 > ,,G -A+@?J+>-> (
$%AA . (8;MLN(QKN 5-C @ +B@C +B@G -C B J B
A+ B ? @, @* -C @, @ +B@ C - A@ A+, A. AD A-+ B
A+ ;QP; 3 7 ') (6) C$* A 8;QP=(
;KN ,, +B@ ,-CG2 B B &-J B AD -+B@C ! A+, A. JC-Y
J- @ EG , + A. +B@ 0-DG ;KO<) -$ 0 &' 0
$ &-) 6 0 ;KLL ==L O B@ E, AD@ + AD
+@AD@C@ + G->A. A+, A. +B +2@ @C B@,J@D $ /&
= . 1 0 *1) ' ;;K A A B@ AD ? ,,@C
BC A@ J C+2 B- + - , ++,@ A+, A. U@@J +B@ C J, @

! A+,*C 8) A+, (2 $0 ^ 10 N ". Q V

2 E@,-A. A. +-2 -C E@ ++ A. A+ -C A+ -
.C@ + B-, A@ -C A + +G A+@D

;MMN $ C&2) B0=L B@ ! A+,G 9 A. D CD
%-A @ -C ;MMP M 1 $ " ;Q : A 2 B@ ?@ @ U@
,,G , DG @ @C2 U A. > B A+,G I>@ + -A ;QK;
7WL) ;NL 7 B B +B@ ?+6@C -C+BG - +B@
+ - ;KS< : &% 0 ' 2 7 A.'D !+ .A@
A+,G C@ ;K=Q F> % 1) 7 U ;KP= 2
LL !-, + CG C E' +@A+2 C A. +B A+,G .A , - J@ @2
A +B@ DC@ D >, D@ @C+ ;KMK = . 0 C$)C S OQ=
B@C@ ? .B+ E@ ->AD 5 CC@C AD 0@CA CD ,J A 2 -
?- + A+,G , @

i ! A+,G 2 1 0 Y". I V "-, ,G

$/JA = &'%) 0 ' $! 7 U QON O 0 EE,@ B@ A@>@C
- GA+@,G $%/J) S BL +C <& $)› 0 C$)! / -@
A-+ +B AU G->C @, @ - A+,G D J- @D2 C@I> +@

! A+- ,-.G ^ 10 i " . 7 V "

. -,-.G !- ! A+- ,-. +2 B . -,-. +
;K=K ?!$,.) 0 3 $ 0 4 ;K= / - G-> UA- +B + @
B @ B +-C ,J A+@C -C ?-D@CA A+-,-.G2 ;KKP 3 R
)7)! &) !! $!!$ ' >MP B@ , +@C A+-,-. +
B D C .@ -C E>CG A. ,, +B@ C .C@ + A+ +-.@+B@C ;K<O
C)1! , * ' &' 8 1 (P - 2 B@ A.@,-,-.G AD +B@
A+-,-.G - -C+B-D-SG

! A+C@, 10 ^ #5 $ '! !(D ? -

$ ' 0 % . ?+, A.

, &C & - *0C$ 0=P; O !@GA+C@,,@2 $', !!) $', !!$0

! A+ 2 A+' E@,, @@ B ..

! A+ B J ^ 1(N" 1 V

B@ -AD + -A -C + +> - A-A X@D A+

;ML; ' . (< & ONM 5C-? +B@A @ +- JC- @ !+
@-C.@' ! A+ B J $%JO -B.. &!" $ A SS PN
+@C B ^ / -? A ' a D@ +B2 &-J@ " -A-C > -C B . --D
@C @ E@ +- @D ! A+ B J -A B ?2 $>++ (A
3 >ADC@,, 6&) '0 6) (8;QNQ(=E2 " 0-DG E@ A. ->AD
- @A+ C@ ->,D B @ @A+ +,@D B ?+- ! A+ B J SKSK I
0 ' 0 LP ! A+ / >A + A2 B- @ ! A+ B J -A +@D A
J>,, A. +B@ >A ,@ A J C + EG +B@ A- @ ;KMM 7 ,(0
C , ;LK B@ @A@C + -A -C 0@ U@+' ?@?-CG2
UA- ,@D.@D EG B @,@ + -A +- +B@ B-A->C - A+ B J

/ B@ -AD + -A - E@ A. A+ -C A+,G

J@C -A A+, A@ - , @ -C B C +@C

;MSL &>$%" ! C ! -$ LOK B@ @ ?> + E@ E@, @>@D -C
+B ! A+ B J2 ,+B->.B +B@G , @ A@>@C - B ?@ >,,G2 $ $%>/
<. 3 .. 0 C !& 0 ! 0 8;MQM(L; B !@ + -AY
A'D +B@ %B>C B2 ! A+ B J2 AD -D, A@ +- + @, ;QLO
1 *0 ?$) L=< B@ /@ ', J I>'D > B A+ B J
+- E@B-,D SKSX 0 $ 0 S 2 7 B- @2 @G@ 3 .B+
B U@ +B@ A+ B J - A A B-C +@ $ /O < . @#
? 2 " @ B D @,+ >C@ +B + B@C @ ->,D E@ ? A+,@D
+B +B@ ? ,@ - -A -> A+ B J2 $ >$ 8 ..C&*
7 U ;K<N 5C-? +B@ -?J>, -CG A+ B J - +B@
&>C + A ?@A C> B@D +- +B@ -JJ- +@ A+ - @A > , +G]

2 c7 +B J- @ @ JC-A JC@ S@D2 > @D U AD
- + +,@ # +@A &' ,$!0

SM-M 9 !1(' 0 S 2 S > LK< B@ C ! A+ B J
C@ J E,@ +B@C@- A >,, ?@A ;MMK " = L(
$!0 SS ;P; 7 B@C@ B@ D D B / @ -+ -A +- B ! A+
B J +B JC G@C AD + A. A ?- + B>?E,@ ? AA@C ;Q;Q
- - (0 ,& 0 ;P B@G J>,,@D !+ ,@ ->+ - B
BC-A@2 +BC@ B ! A+ B J A+- +B@ / C+ ;KPN &
$ &% $ K0@ D@B A+ B J + AD +B@ B-,G A>A2 B-
EC-U@ B@C - ;K<L 9 . & & $ ' $* 2
;=<2 @@, E->AD +- +BC- B +, .B+ A >J-A B A+
B J' C +B@C -E >C@ J@C -A , +G2

! + A+ ! ? - ? A 8) A+ 2 A+ ! ?D' A A(2 $0
AD 10 , - !+ ^ $ 'E '&' 8 @@ E@,- (i
a $ B0 0@,-A. A. +- -C B C +@C + 2 -
+B@ - , + G +@? JC-J->AD@D EG +B@ %-? +@ D@
! A+ ! ?-A 8;QMN ;KOP(2 B- D - +@D + +@
-A+C-, - ,, JC-J@C+G AD D +C E>+ -A - +B@
JC-D> @ -CD A. +- AD D> , - + -A AD
J J+G E A D - +@ - +B G +@? , -
! A+ ! ?-A +2 ! ?-A +@ 8 D ?)B +2 +(A
+B@ ?@ @A @ "@A @ ! A+ ! ?-'A, ? !
?-A SA2 D - G - -C DB@C@A @ +- +B G +@?

;KL; &' !" *& 0 3 C ;K< B@ @SJ- + -A - +B@ ! A+
! ?-A A +B -C D- +C A@ 1 0 JC OQ< B@ !+2 ! ?-A +@
+B2 1 5@E KO B@ 5C@A B @ + - ! A+ ! ?-A +@
AD +B@ T @ %BC + A +G - + 5->AD@C ;KLO %& '
?)!! M 5@E =M L 3 C@ - -,D ?@A AD -?@A
A +B@ 3 D] EE@ %B +@,] AD ! A+ ! ?-A + 2 4K=4
= ' .. A % OC G C !& 0 , 0 M;N !+ !
?-A A ? AD 5->C @C ? 1 0 PMO B@ -?J,@+ -A - +B@
!+ ! ?-A A D- +C A@ +- E@ ->AD A +B@ >+>C@ >,,
D@ @,-J?@A+- +B@C@, . -> @A+ ?@A+ B B + -A+@?J, +@
1 0 PPP 3))2 B@ . ! ?-A A -?J, A +B + > X-+ A
C@ @ A. +B@ ->C @ - B +-CG B E-CC- @D +B@ D@ -
+B@ C ? +@C ;K=K = .. C&!(,&'(0 ;;2 e = 8;KMP(OM=
B@ + - @, E-C +@ -C? - A-A -??>A + !- , ?
UA- A . ! ?-A, ? AD 5->C @C ? ;KML - 8 C&!(
,&'0 ;O !+ ! ?-A ?2 @ @A + ,,@ +@D J- @C+G
->,D A+C-D> @ .C@ +@C @ ,

+ ! A+A C@ 10 E- = 8G(A+> C@2
KNG + C8@2 ,0 A-+ C2 P GA+ C@ ^
#5 $')$ ($')$ (@? J-J D , +@
$',)$) - 8 @@ D V ! A +> CG2

$;LNN) & 0 MKK AD ,U AD (V + V@C@
E C@ " @ J@CD +V A E@C A+> C@ H< 00 ' 0 @GA+ C%@a
1 0 KOQ= J + B , CU@ J E C@ E>+@2 + , J C AY
+> C@ , 4LQ! ,0 0 $ ' =06$,&1) '& + MP " @ -
E@ J- +-, ,,2 A +- E@ A + C A . ;L<N < 8 &'%0
< ;= B@ , EC C@ 7 B B ,-A.@+E +- +B@ ! A+> C@ $;=NN
!- ! 5$' ;PMQ # J@ GA+ C@ ? AG @C@ +B A.

! A+> CG2 ! $,

H 2$ 1 0 $ #! M 2 2$ Y '
10

C+SPO< . 0) - - " ' JCG U@?@
D@A+G2 ! + ,GU@ @GA+G AD E@. A +- J GA+G2 +B->.B@
B@ ->,D GA+G

! J2 ! C $! JB@C-A2 ! $ $
! C2 ! C))
! C @A@++2 ! $
! ! : 3 $!
! @2 ! @A 2 $/ ! $ 3
! A 2 3 $

i $ 1 0 $ 0 , - A@ ^ #52
$ ' O$ $5&' - . %

, =!# ! ' S ;QM E@ @C@ SA .C@+@ C G2 AD +B
->+@ ->A @ ,@ - +B@ A@ 2 +B + ,, D G C-D@ +B->C.B +B@
,->D@C 1 0 ;QO 7 @ E A@ B@CD@ +B@ +C->+B@ +B + +B@ A@
- +B@ UGA)- >A. @C2 - ! S-GA@2 E@ @A+C@D A +- >C@
,-AD@ AD A +- ->C@ B@C + .@

/ ! $ $ $ + 'G 10(**!0 $ 0D ! $ $ $
0

8)) - +(2 10 AD $0 ^ D $ 3 !$
AD D* 2 C (G5 / $; / ! G+$L
10 A AB E + A+ ! E $ B0 f $0

;MQK E W ' !!0 " 0 L=O -$ 0" B@-J-?J>
,C?@+B +B@ +B@A A +- B @ E@@A %-,-AG - +B@ ! +@ 2
1 0 =Q< ;KMM $-1(3 ' ," ,!0 2 2=LO ; 3 AG A@
+ +>@ - E ,+ - +B@ OM+B -C !?+@ DGA +G

8 I aV(,0 5-C? Q B@ +, 2 Q .
@ +B2 K @@+B2 K < +B2 @+B2 < @8@(+B@2
0@G+B@2 < +B@ ^ # 3 8 DD , (2
?-D -C ((@, 1(CG - -D B
% @,2 $ %1($. $' = $& $'($& $ +(
+B@ - , B C B $& $' 8 / AA@@A(+B@ G->A.
- AG B2 @ J - +B@ -D B -C - , B a B@
? +>C@ - , B , - $ 1(

;9SS 7 8 $'0 50 PNN A.2 >CE@+ AD !@ +B
,59Z& A $,%$!$' › < & (&!! , (8! " ! (O=K +
,,@D !B@+, AD)' E@ > @ A -,D + ?@2 +B@C@ @C@ ? AG
!B@ +B B >.B+ E->+ + %- +2 SGS- .) 0
% W V ' & R# !!) B +B@ %-,@ B - +B@
-C+B - A., AD ->C 5 B@C ,, + %-,? A' !@@+B
5B 0 $ 0 ,,(,& !0 Q< B@ B -??-A,G + U@A
-A +B - +2 C@ -D2 B + A. 2 +B -C >DD @ 4Q<L
1 0 2 L<Q B@ +@A A+ B @ C-? +B@ C , AD,-CD
B , J@AAG -C @+B 8 -,@ B(;KLM ..? 0
8;K=;(OP; ?-A. +B@ ! -+ B , AD +B@%- , B ,,@D
! , - U2 2!@+B@2 !@G2 AD C@G -CD ;KML # & -
$!. ;;= !B- , - ? ,, B2 JC A J ,,G !@+B@ AD G+B@
;KQL . C 0 .)! SS 2 " @ JC-J- @D B@ B->,D .-
B-C@ AD E>G @ , A@ +B B B +B@G ? .B+ B -C
G->A. +B@ -C ,G+B@ - @C +B@ D@ - +B@ G B+ 4K<O
< ' ! W(?.0 *& MQ B@ JC- @ - ? U A. +B@ ,G
@CG ?J,@ ;K<P ') - ;= !@J L=< O B@ A.,@C
? G @ ,G ? U@ , C.@ + B @ +B@C - ? U@C@, -C -
J-,, U2 @G+B@ -C B@CC A.

8 + U(2 $(^ D $ 0,Y) (C2
; Q / [, › BM @@ AD >$L # -C
J@C+ A A. +- ! 2 +B@ A @A+ J + , - - @C
.(CJ+ $, "'$ +B@ OM+B AD ->C -,,- Y
A. DGA + @ - +B@ U A. - .GJ+ "@A @ $,
* & $ " @+

;MQK E W ' !!0 " %0 PNM B + @S @,,@A+ 3-A>Y
?@A+ - .GJ+ A A+ I> +G2 +B@ ! + U A C J+ -A - +@A
?@A+ -A@D2 ? ,, +B + 7 2 2 AD !B ,, E@2 ;KOM Q
% B) A ', ", &*0 8;K=P(4 =;;)
B@ +B CD ^?->+B - +B@ ,@a2 ,,@D +B@ ! + ;KLM
' 77 = ! › A ,GJ) A ++@?J+ +- DC D@ +B@
@ , - +B@ ! + -C2 A A I> CG A+- +B@ -C . A -
, A.> .@ 2A + -A 2 AD C@, . -A SK) .)84) 4
A ' ," ,!0 ? 0 4 O; O B@ ! + J@C -D 8/GA + @
44 +- 444 (D + A.> B@D EG +B@ ? A>+@ A B AD
C+ + E@ >+G - + >,J+>C@D C -JB .

! ++2 -E ! 1 -E J + -
! 2 -E ! -C? -
! S@2 3) .$
! *@A@2 3

5 =" "E»+(^5C 2 B-C+@A@D C-? $B&)$)
80> -A(2 >J $)$ E% $ = $."(%$."+
?-AU@G 8 @@ D N 3)$) >.?@A+ + @ > S a
#A@ - C -> ? ,, !->+B ?@C A ?-AU@G 2
C @+ @ - ! J *-> 2 AD % J> B A ?-AU@G 2
$>>I < .) $ 0 0 OLM B@ +B CD ^- +B@
J *-> a +B@ !) -> D + A.> B@D C-? +B@ C@ + - +B@
J *-> EG + G@,,- B2 ,@ B -,->C@D @ ;KPP 0 !
#$$# B C ,(, 0"N&&!0 PNL B@ 7 B +@ +BC- +@D
! *-> = 1) "*&!),& +0

/ -E -C? - 5 9 10 (10›

1 8 @U .,D(, - K < --
?U@@2 < UU AU@@ ^%-CC>J+,G / >
' 2 B' B (D ? - $ 2 B' @@ .
!->+B ?@C A ?-AU@G2 +B@ 7 B +@ B@ D@D ! U 2
C , $* , $ -C ,$* !!$ - ' & $0

;QM< 6 SLP B@ ! AU@@ +B@
? ,,@ + - +B@ J@ +C E@ A > A 4Q<M)) '$ -
S ;L !- @CG D@, +@ +B@ AU@@2 AD -
@A E,@ - +B@ -,D2 +B + C @,G -A@ - +B@? EC->.B+
+- >C-J@ , @ B@ / >+ B , +B@?' +B@ $ $ '
C-? +B@ C E@ A. B .C A@D + +B@ ? ,,@ + +C A@ ;K=P

' , " ,!0 &*0 4 4 L<M ; C , $ $% !!$- ' &)
! J S + @ - 5C@A B > A 2 B@C@ + ,,@D +B@
! UU 7 AU@@2 AD , - - 0C X , $0+J S BL &!&' $!
, <N #A@ -C + - U AU -C ? C?- @+ ?-AU@G

(J- 8 ,U(2 10 5-C? F ->2 ; U@U +: -
= P U8U2 8= -2 U2 P U@2 M U@(
= M U2 GU2 8P U@2 ,U2 M @U
G U(^# $,) +C @CA f #5C $ (
C2 +B A.2 U@2 # ! $.$, > +2 @A? +G2 .> ,+
+B A. 83 2 3 / > $. , > +2 C2 > @
C@ -A2 .> ,+2 / > 0$$. , > +2 > @2 U@2 +B A.(
" $ $ > @2 U@2 +B A. 83 " $, =
?-D $, +B A.2 C(2 # . C ?@2 @A
2 + -A2 + -A + , 2 > @2 U@ 8! $.0 / $
A +B@ ?@ @A @ , -2 A ,>@A @D EG @C +B A.
@A+ T $.$(C@, +@D +- +B@ +C E T $.3(C@
JC@ @A+@D EG # $,$' +- I> CC@,2 .B+2 , ?
, 2 > @2 # ! $.$' +- > @2 # " $ $
+- +C @2 I> CC@,2 C@E>U@ 5C-? +B@ ?@ C--
C@ # ,=, 45UT $.B$+(-+B2 $.B1 =MUT $.B '+
+C @ A E, >+ C A+ - # @>+ T $.3
JC-E E,G +B@ T .3 C@JC@ @A+@D EG I -
+B@ -.A +@ ->+ D@ @>+-A

B@ -A,G > @ >C A. A ?-D A. -C +B@ U@ -
B A-+ E@@A ->AD A # 2 AD JC-E D-J+@D C-? #
+ @S +@D2 B- @ @C2 A # " AD #5C 2 AD +B@C@
J- E, +G +B + + ? G B @ E@@A A # 2 +B->.B A-+ @
D A @D A +B@ , +@C +>C@ + @@? +- B @ C @A C-? +B
> @ - +B@ E +- D@A-+@ , + . A+' > @ -C @ 8 @@ Ea
% ,$) $0W

+, A AD@J@AD@A+ >E + A+ @ 1 (
0 %-A+@A+ -A2 +C @2 D J>+@ A # 2 , -2
-A+@A+ -A + , > +2 > @2 + -A

? &2)!%;P= C@AD@, A B ,@ "C-!. C2 B@+@A !
@ A. ,@ @ @)$,--- $2 &% !& $,
P ? A-aV@CA@ @+ B+@ S--- 5$)b S? Q 7 @ C!
> E@+ >S EC ?@ BGCD@? AA>? AD -+B@ , ;SQ
$ - 10 & '0 <P " @ A@ C@?D@ A@ - E +@C@ J@ B@ A@ 2 A@ E
U@ A@ +@CD@) , OA+/ OMO<N AD @!?-D, B@ B A
E@D@A _ + B@ $-?,@-D@ >??@ U@ C@CD@ SOP
2 !+ 0 ;;MN aV@C :V> E-D@ + B@ +@ A U@2 , ;LO
?) 8 (LP;N !- :V +-A@D@ * ->+@ U@

/ B C.@ -C > + -A 8- .> ,+(.C->A
- > + -A &) $. (+B->+ .--D C@ -
' ,$) $+(

, O&& cRN%c "@C B@ -CCE @D +@ A BE+@ @
- @U@AA U@ - -, 2 - C JJ@AA B@?? \ C @ @AA
O;LNN 0 (C $! ,, Q ,,@ +- ?@ +B@C @AD AD
7 +B ->+@A U@ -C AG U , ^ >,. Q))$ $' -
' ,$) $]($ %<RR) & 0 N_] < aV-> ? A . (VA
- C AD +- ? U2 AD): EC-U@C B . A (V U , %<RR
$ &20 !! LQ) 8/ .EG 3 ! (" A-?@A ?@ V->+@A
U@2 0->AD@A ? A E-AD@A +- ? E U@ %4LQP ,((
$ ' HH0 =C$)!) + ;MQ @C-2 ?@ >C@ B .C@+ -,G2 AD ,
A ? A -C@ - + U@2 $ c]RRC !!&%) $ ' NR] 7 @ B>,
JC@ @A+@A V J,@ A+2 :) AD @, D, B@ aV@ -Bb C *+ @
B >@ @A@2 A0 ! U@

> ,+2 A* >,+2 - @A @2 C ?@ # +@A
->J,@D +B '0

? &2)!%#7h# / @ GAA AD > ! @-A AD)@ + 2
C-B+ .@? @A@2 $ S---C & ' 5 P= 8 C(!@@C -A ! ?
,-AD@ GAA A@ > >%NRR ;SOQ J , U@ ? BB+@AA
,@AA @AA B@??# U@ \ - AA@ $ %<RR) & (
;;PPL 5-C B@ ?-.B+ AD A A + U2 #A J@ U,@ B@ >,D
+ C U@ 1 (O<NOO 5 + A. @?@ @S , U@ c<$$
0 0 (C 0 KNN J + .,-CG-> .G,+,@X J + ?-A -A
I>@,,@2 7 +B ->+@A AG U@ - @,-AG@ %4=NN 3
$- <N AD - B ,D@ C-)AA@ \ U@ $ c]RR bR
! 5$' LO;L J + ,-*@ - J C@ ->@C GA@ J + A@> C@
U@ B DD

E &) $. (+B->+ .> ,+2 >,+2 -C E, ?@
8E-+B D* AD D JBC @("@A @ $' %0
f +B->+ JBG ,E,@? B

$50 2 != (;=LN "@- ? B C@ .>,D + @AD@
C B+@ @ @ J>CB B C B@ E@AD@2 A ? @ +@ B EE@ +- ? U@
B C@ ,@- ?-A J >+@ U@2 OSOQO) &' MO A 0 0
,0 <P " ? S@J J->B+@ ?-AG@ AD @,@ B B@ B +
? G +@A J +@A U@ QSLNN) & 0 =N=L "@
:- @JBa C2 + ->+@A U@ 1 0 MNMQ AD J@A ,
,U E> A + U@ D@A@ B@ , ?E@2 + +@A U@2 ,4LQP ,0
0 $ ' SS 2 = ! 5 +&)+ A-E,@ G AA 2 + @>,G
+- .-D @C> + G A J@ +@?J ,2 AG@E+ \ D G2 ->C@ @E-C@ -
P@C@2 -C->+ U)

! '&', 3) 0 $@. CD -C -A D@C + -A -C -?@
-A@ ^ +@ C))) A @A @ P a

;P<N 1 0 A0 ;O B- ?- 'D +B C +B2 ADc
B ?@2 AD D @ U@

2 &BC & $. &%4* 5(H%& $. &%+3(
%& 8-A@' 2 +B A.' ($. 0

A +B@ , ++@C - +B@ @ -C? 2 +B@ -CD 3-B JC@ @D@ $.
J- @ @ 8A->A -C JC-A->A(H E>+ D- A +- +B@ ? DD,@
- +B@ ;<+B +B@ - +B@ J- @ @ - -??-A -C E +C +
A->A @CG -??-A,G -A>++@D 8D->E+,@ - A. +- +B@
D >,+G - JC-A->A A. +B@ + - E , A+ A > @ -A(2
AD C-? +B@ ;Q+B +- +B@ @ C,G ;<+B +B@ + - E @C@
- +@A -AA@ +@D EG BGJB@A2 -C? A. A ++C ,*>+ @
-?J->AD B@ -? -A - +B@ T A- -E -,@+@2 E>+ +
>6 A-+ >A -??-A +- C +@%& ,&' , ', $. "%& && Q
' $. (%& &) ' $. " @+ +B->+ +B@ J-Y
+C-JB@ B B -CD A C ,G > @D +- ? CU +B@ J- @ @ -
-CD @AD A. A E , A+

B@ J C .C JB ? CU@D -A+ A ,,> +C? -A - +B@
-? -A - +B@ T -?@ - +B@ @ C,G @S ?J,@ +B@C@ J, @D
?> + E@ @SJ, A@D EG +B@ + +B + +B@ E - >CC A. A
+B@ ?'8@ . &)!+ B D -C . A ,,G A - A +B@ .@A + @

P # >+ - -A D@C + -A -C -A ->A+ - -A@'
A+@C@ + A2 -C C@. CD -C 8 J@C -A(-A 8 J@C -A' (
->A+

$;OOP 0 V$ 0 <K 5-C B C@ U@ A@ D ,@ B @+B@-,D
- B C@ @ ,DC@A@ .-D $;OPN 2 != 0 ;PK< J + .-D@

[illegible]

[illegible]

[illegible]

& 0 "CE 8;K=K(;MP A-+B@C ? B A@2 ,? - +
+B@ -A,G -A@ > @D -C +B@ CC . + -A - . CD@A A .*) J+2
+B@ T U G@B' ;K== B '&C " 0 0 C$! ' O<P
B@ B B > > ,,G A ,, J, @ ,,@D T +B@
&@C A 7 B@@, g KMM !1 $ ' O$ " LQ ! +
2 -CU G +B B J--A , U@ ! .@@C +@C B@@,(2
+B@ ->J D JJ@ C A. , U@ +@C A +B@ D@ @C+ $ >J @
/ "* 0 . , 3?.0 PN $. " $ -C +@C B@@,2
+>CA@D EG -S@A -C D-AU@G 2 ;KKP % 7 & . &*
, * !@C <L ; A .GJ+2 >AD@C +B@ A ?@ - $. $(
+B ? B A@ A -??-A > @
$ 10 5NBN 7 & " 0 P 8;K<Q(LO= B@ + -
B C +@C + ->AD C@ +B@ UG@B C@ U2 AD +B@ B ++@CY
A. - ,, .@C + >A @+
! U A2 C A+ - 9 8" ? , G A E@S(
! U C2 -E -C? - 9 O AD
! UU@2 -E -C? - 9 10
! UU@+2 ! UU 2 -E ! ! 9 2
! U, @2 , 2 ,@ 2 -E .
! U - C2 C A+ -
i !)@ 1 ($ 0 , - C@2 U C ^#
-E >C@ -C . A a ! -?@ U AD - @ .- A. @ @,
;P=M 0 C$* '0 4 OP " @ +-U@ - + -A +-
U@ ?@ B@+B>C -,D@ . - - +- % ,, G@ -C 0 ->,,- .A@ EG
, AD2 -C@,,@ A +B@ . ,,G@ +B BG?2 -C A +B@ UC@ B B
+ U@A EG +B@ . ,, @ 2 +B@ B B +B@ 9 A. B ? +@C
J,@ ->C B->,D E@ D@,G @CGD . GA@ 1 0 ^ B@
C +@C C@J, @Da A@ +B@C @G@A. +B + -,D C@ @ @ +B@ @D
C@2 A-C +B + -,D C@ > @ B@C $/O+ (C$ D)
*&!0 O=2 &@AC @ E> ,+ E -C 5, @ E- +@2 +-)+ U@
AD ,@ >@2 B@A +B@ UGAA B '+--'B-,@ -C B ?'+-'+ CC @2 B@
? G @++@ J B G,@ AD C>AA@ G A+ C 2 + A+ C 2
B@ ,@D AD@@D@ ,@+ ?@ @AD@ ! U C +@C B ?
! UC@D2 -E C J $ D J JJ,@ -
! UC@+2 C A+ - 9
! U A. 2 ,GA. 2 ! $
! UGC@2 ! $ 3
! , ; 8 @,(- 0(!, 0(AD C $ - 0 ^
8? AD J@A+ (f ,+ a
: : % $) 3 .$ 1 0
%4LKM B $ '0 &) C &!0 0 OPQ ! , + C+C@2
,U ,G2 AD , JC@J C + ; =MN QN ?.0 A) ' ; O ! ,
- ?@A JC@J C +@2 $ $%A% = 3 . A ?$,& $ $ C " &!0
8;MQN(; ;Q2 ; A +C>,G AD E-,D C +@2 +B + +B@C@ C@ A-
> B JC A J,@ ! ,2 ! >,JB>C2 AD 3 @C >CG2 B B A E@
@J C +@D C-? AG J@C @ + 3 @+ , 2 ;MQ= # 0
8;M<M(MMO ,, ! >E,>A CG O-D @ -A + - +B@ +BC@@ JC A J ,
! >E + A @ 2 ! ,2 ! >,JB>C2 AD 3 @C >CG
/ 7 +B I> , G A. -CD + , A +C- f
$# , ++ A C Q ? EC-+2
-CC>J+ -C? - $! Q " & i , ? C A@
^?@D $! - $) H -??-A ,+ 8 @@ :
$(E(, ? C E ,@ 8 (^?-D 2 T -AD@C >,
,+ -A ?@D EG , >E@Ca2 , >E@C ,+ 2 >,JB +@
- -D , -D 2 -D@ ^?@D , @D @a2 CGY
+ ,, X@D -D >? CE-A +@ , + C+C@ ^?@D
,+ C+ C a2 ,+ - + C+ C !@@ , - ,Q "
O Q 9 5 AOP ! & * " , Q
V (8/ , * " * " *
$ *$,)
>! ! ! A +C-A2 A +C-A2 U AD - A + @ ,+ $&>O
1. &-*0 !, 0 D? A B? 8;MPO(;<N ! , +@ +
+ A U CC $%> . . 1 8@D =(2 T $! $-1 & -C $! 3
1 & 0 $%>+ 9 1 " &!0 (Q B@G2 E@ -?@
D@+@C? A@D A+- , A@ O-DG A -A@ J, @ A+- , ,-?2 A
A-+B@C A ! , ? C A@ ;KQP E > (QL<
! , ? C A@ -??-A ,+ 8 B,-C D@ - -D>?(;QS<
C B &-*!0 *0 LL , >E@C ! , 3 C E , 2 B B
? D@ - -??-A ! ,+ AD +C -, SKQ< , " ,!0 ? 0 4
MQ , >E@C ! ,+2 -C?@C,G UA- A T , ? C E ,@ , >Y
E@C O&>O 1. &-*(!, 0 D? A B?2 8;MPO(
;<N ! , ! -D@2 - +B@ @ E@ C@ ;KK= 9
&$*3 -$. <L B@ DC @D , -D JC-D> @D EG J A.
>CC@A+ - B-+ C +BC->.B +B@ CG + , >A+ , +B@G , A+-
J- D@C ;K<N & " > C D & (?) !!0 ;O< ! ,
-D . @ D@+ , AD EC-? D@ . @ -A+C + %4LKM ! ,
+ C+C@ ^@@ S E- @a $&>$ 1. &-*(!, 0 D? A
B? 8;MPO(;<N ! , C+@C2 , %-?GA2 , ?@ ?-+
,@C@ ;M;N O # ! , 0 ; 2 2 UA- 2 G->B >@
C A U@2 +C -,2 , + C+C@2 C. ,@2 ,U ,G2 % A-J@C $% J
B ! $ 0 ;, 04 ! , C+ C
!$!B-C+ -C , 1 (
4QNL 8 E!" 0 J ,21->C ! ,2 AD " C+ B-CA /C-J
! , 0 8 ,(, - >, ^" AD $! f !UC !$(J
,> E,@ + ?E@C +C@@ - AD 2 & $ &1) $
G@), A. +B@ C@ A D ? ? C , -$ 1(
4QK< B) A C !($ 0 4 4 4 KN ! >, + ?E@C2
E ?E--2 AD J, A+ A 2 R&77)** &0 A $ 0 0
(c<%ON B@ -C@ +2 +BC- B B @ J @D2 -A +@D -
>,+C@@ 2 @+ >,2E ?E-- SKMM $-10 , " ,!(=LP O
C@ + -C@ + @S + ,-A. +B@ ->+B@CA E @ - +B@ " ? Y
G 3 ->A+ A ;KQL 3 $ " B $ % 0 $
LL4 " D@ +B + - - U J, @ >AD@C !B , .C- @2 -C
.C- @ - , +C@@ ;KQP)6) $!&C C&,. ? .0 S
8@D O(LLM B@ @ U AD ! >, - AD 4<N; $ * >
$ 0 %, QQ) L B@ . +@ -, D
! ,2 -E 2 -E A-C+B2 . . ! B.
; ! ,)) = ,$ K $/ *((($ $M
-C * ,(
RR) ONP "@@ B D @A+C@D +B B B-,@
+C->J@ - ?@A A+- +B@ ! , B@C@ +B@ / >U@ + $ R &
$! "8;MQN(; ; P= & A. C-? B@A @ +BC->.B
+B@ $!$. A2 ,@D A+- +B@ .C@ + C--? E CD EG 4QQ=
5 $ ((&) & 0) &* 8;QQM(OM B@ . C AD ,
-C D A A. C--? 8- +B@ J , @ -$- @AE->C.a KP; =
,$!*) (,2 ^A 3 @S -a B@ E ,, C--?
,-A. -E,-A. $$ +B E AI >@++@ C>AA A. ,, C->AD +
! , /8 , (2 -^ AD 2 !UC $ B-> @a A
AD A C@ + B-> @ -C AA
;KQ; . !8 $2 OMP 7 @ AD + - ! , -C

+C @,,@C C@ + B-> @) % &R " ! 2 . ;NNN ! OPQ
& A. +BC->.B +B@ ,, .@ @ J>+ >J + +B@ $!$ - C@ +
B-> @2 B B +> +@D -A +B@ E AU - +B@ 3 @B 7 >A.
8 ?(2 10 , -Q 4 ?@2 ,4 ?2
,@? 2 , -?2 @, SA@2 Q K @, ?2 Q < , ?2
K B , ?2 K< ,@? ^ C E $!$ -
8B@A @ A &@C AD 6CD>("@E !& -
J@ @a ,@ #C @A+ , ,>+ + -A =$ $! - = $!$ 3
.) - +(&@ @ 8E@ >J-A G->("@A @ JJ, @D +-
@C@?-A -> -E@ A @ +B B B +B ,>+ + -A
-?J A @D2 -A +A. 8 A AD (- , -
E- A. - +B@ B@ D AD E-DG +B +B@ J ,? -
+B@ C .B+ B AD J, @D -A +B@ -C@B@ D
;MSL B C! - $ P=M " @ JC@ @A+@+B B ?
@, @ +- +B@ J@-J,@ +-'C@ @ @ +B@ C ! , ?@ -C.--D ?-CC-
%M<] $ 0 ;;L ! -?@ - +B@ EC D@? D
?@ ->+ >A+- ? AD +@C ! ,, ? -C %-A.@@ E@. A
3 -C U- %M _ 3 . +C & $ 0 ; PO 7 B@A
+B@G . @-A@ A-+B@C +B@ !@, ?2 +@C +B@ &C G@C - 9 -> B
,->U %_& - &"0 0 <) $ 0;= > A D*@@
.-+ >J2 AD2 +B->+ ? U A. +B@ -CD A CG @, ?2 @A+
EC>J+,G ->+ - +B@ B ,, %RR) ** !0 & 0 A $ 0
(;PO 0 #A E@ A. A -C?@D +B + OC B? A2 B@
? D@ ?@ - ?@ @CG C@ J@ + >, @? c <b 9 .. C , !3
! S, M 7 @C@ C@ @ B@ +B JC- > -A -
! , ? EG +B@ >,+ A J@C >?@C % <_ 0 0 $ $
8;K=L(= --D ?-CA A. 2 C .C@ + B @2 , ? %]&
(1 5,) (0 % ,$ OKQ +@C , -A. B +2
? D@ ?G , ?2 AD @A+ +- A J@ + ? - + -A J >->
-E @ + -A A@ .BE->C A. B@ .B+ % M_ B ;# & ! '
2& !$ O;L B@ 3 --C C- @ A + A+,G2 +B JC-Y
->AD , ? 2 E@ -C@ B@C K : 1. 7 \
$!$.$;K; T ! , ?2 C A ! B E 2 B@ ? >C?>C@D2
E $ %0 $@ J@ + >, -?J, ?@A+
$> % = 0 & $ " ! & ; = ;>A@2 &C G
JC@ @A+ ?G JC-J@C , ? 8 +B + J@,+ C .B+ (+-3 C O->
@C @ ;K<< : 1. 7 $!. " OMQ $>++-A ! A. B @AD B
E@ + , ?
% $ 10 AD &-10(K $!$$ -3E. D*
, ? -A >, -A2 J ?2 -C? - -A >,Y
-A A D@A+ +- B ,DC@A AD B C +@C X@D EG
A-DD A. - +B@ B@ D
;KPN $ <B 7) >C % (% 0 S <
T , ? , U@ ? - @?@A+ - B +C>AU SK - $, =KP
,!$ - * $) $ - 3 C @ AB ?2 -C +B@ T , ? -AY
>, -A+- ! C%B C,@ %, CU@ ;KKM ?) , . > $ 1. (
, (OKQ 7 CG A@ U2 C +@C C ?J2 J A , +C@J D + -A2
, ? J ?
8 , ?(2 0 ^ JC@ a
$ 0 - ? U@ , ? + - + - ,>+@ +B
, ? + - - @C ,>+ + -A +-
$%0J 1 0 & $ &*! A &!!0) 0 $ (
Q; B@G2 + U@ + ,+ -E@ , ?D -C ,>+@D EG +B@?
$ $, , ;KO #E@ D-,, B JJ@ C A. 2 3 > Y
, ? D D A-+ ! , ?2 ,>+@ B@ ;KLQ 0% 0 $ $
8;K=L(A -C- - B - A @C A+ AD ->C 2 , ? A.
B? + @ @CG +@ @ 0J : 1. 7 \ $)!$.$0
;<< "@ ^) A J@a >@D +- , ? ?@ A +B@ ?-CA A. , ,
> B? A $ -2 +B@ JC ?@ ? A +@C
/ 0 -? U@ , ? -C -E@ A @2
$%0 - , , 0 0 $ C0 ;K + E@ A. +B@ C % > + -?
-A,G +- ! , ?2. A. E- +B +B@ C AD C- +B@ C
0C@ + ;KO= 0 4 ;= B@G , ?@D +- ?@
+B A C +B + D ^@+ a ;KOQ / # ! 0 !
*& ;L< " @ @,, -A +B@ .C->AD , ? A. 8+B@ ?- + >EY
? @ -E@ A @(;KPO 3 7 $ - & HO SS S O=<
&>++ A. +B@ C B AD +- +B@ C EC- 2 AD , ? A. D- A +-
+B@ .C->AD > >O = " # 0 &) 0 $ $ (
=< 7 B@A B@ - ?@ A+- +B@ C--? B@ , ? JC- ->AD,G
"@A @ ! , ? A. 1!0 1(AD * * !($0
;KSM C B U < $ A =P & ! , ? A. +B@
?-D@ - ,>+ + -A A AD $ >0 = #
&) 0 $ $ -0 =L " -CD@ - C@ J@ + >,,G , ? A.
A + @ C-? ,, J C+ - AD
8 ,)) : (2 $0 ^I $!$ 3($!$5(
C- - + - $ + - ,@ J @@ ,-> 2a
> + >,2 ,@ B@C-> @S> ,,G A+-A
MMS - (A &! @+ S Q= G->C@?@?E@C
B- G->B @ @@A +B@ , -> AD D@ ->C A. !J CC- E@ +
->+ +B@ B@ 3 C+@A C-? B A@ + $%>[3 . $
8;QO<(OP & .@-A 2 &->,+CG AD -E@@C ! , -> %-CA @D
O CD 2 $ $>+& 8 $ $ 0 & -$ 7 U ;QLN
PP @+ @ @CG ? A +B-> @@ + @ A@ D@ C@ AD A-+ -A@
! >@A B +B@ C AU -> C@ ;QQ= < .) $ 0
8;KMO(=OQ A ? , - +B@ B C@ U AD 2 C@ C@ ? CU E,G
-> ;KOO L= <&&) " (8@D =(=K=
D -CD@C- +B@ J A , ? CC- A D@A+ +- J@C -A - ,
-> D J- + -A ;KMP $ 0 OK : A , - B@ J@C> ,
- +B@ ? + -CG D C@ AD -> -A@ -A - A J@A+
.> ,+) ;K<Q !!1) > " 0 << + ^ @ C @A a
?-C@ ??@D +@ @ @ +-A +B@ G +@? + - ? U@ +B@ J@-J,@
, @,G2 ->E + @ AD -> 2
/ @AD A. + - JC- -U@ ,> + $ 0
CXM= ! 8 .. 0 SS 2 7 B B ? U@ B ?-C@
, > -??-A,G +B A ,@ B $%O> 0 < & 0
; N< 5@@D B ? +B "@CE # .@A@C-> 7 C?+B2 AD
-> U AD ;QQP > 0 6&) - (O;<= & 3
D) , + @,, UA- A +B ++>C+ @ @CG , -> -@
"@A @ ! , -> ,G $ 0(! -> >@
$>A> 3 2 $!$,&) ! , @ B@CG2
> + >,A@ 2 $>/J # !P + O)2,@ B@C->,G ,> +Y
>,,G ;KSL 7 A & !" 0 4 PN< < +
C@ !>@A ->A@ A C-? 2D .> + A. +- +B@ J>C@
AD -CC>J+ @ - +B@ +@?J@C +@ +@ ;KQP % 9)
$*0 8;KQ<(PM= ! ? ,, D- @ D- > @ @ D@A+ -> Y
A@ AD CC + -A - +B@ .@A+ , -C. A
2 8 , @ + (2 ^ D ! , 3 - (0
$! ,3($!$5 8 @@ . B D % 5 $!$ ( ]
B@ I> , +G -C -AD +-A - E@A. -> ,> +Y
>,A@ 2 ,@ B@C-> A@ 2 @S> , A+-AA@
L% S .. 5$*!$ < 0LLL B@ , ,+@ AD A+-A

A@ - +B@ C A + -A SMOS B $ 0 !0> L;Q
!J CC- 2 B B C@ 2 B-C+, >@D E@ > @ - +B@ C , +G
) ! 3 $ 8;QO<(M!-?@ C+B JJ@ C+- E@ +-+ ,,G
E CC@A2 AD -?@ +B->.B A-+ ,+-.@+B@C -> A C> >, 2 G@+
A+A. ! , +G +- -A @ @ ;Q) 6 <) $ $
LKP @J@C C@ A-+-C -> -C +B@C , +G AD ,-A.@ +G
;KOO L= <&&) " 0 8@D =(=KP 3 -CE D , +G
A->A -??-A > @ - ? DA@ ;KK= & ! #8 0 0< O
B@ #S -CD @,,- B- @ -A @C + -A 2 +C @C @D EG
@ A - , +G ;<NL $ 0 0 = JC =OK ; C@ D A.
+B B--U A J C@ > +B @ C ,@ + 5C@A B , +G
+- E@ J C D@D A +B@ A., B +-A.>@
8 @, D(5-C? P @, D2 I Q , D@2
M Q ,, D@2 Q < ,, D2 Q , D 8 0 9 ,
8,(@++8@2 -++@2 +@2 M Q , +2 M < 8A- $!(-C
$, 0+ ,,@+2 Q ,, +8@2 ^ #5 $!$ 8;=+B (2
&C $!$ $ f #, + $!$ $(&. $!$ $ 8 + 3
$!$ $(!J $!$ +J-J>, C $!$ $(T $!
8 + 2 ?@D $!$ (&C 2 !J 2 &. $!$ (52 $! +
+- ,+2 7 ,+
B@ $-? A -CD B E@@A .@A@C ,,G + U@A A+- +B@
@C? A , A. /> $!$ 4 $!$ A 9, A2 , - !
C-?T!$ +(,+@ 3 " $!$ 8 $!$ +(! 2 / $!$
,- $> : O ,
- ,D D B - B@CE - C @.@+ E,@ 8@ . ,@,++> @2
@AD @(2 > > ,,G >A --U@D AD B-JJ@D 2>J -C
, @D2 +- B B - +@A DD@D , @D B CD E- ,@D
@..2 -,D ?@ +2 B2 @+ 2 +B@ B-,@ E@A. @ -A@D
+B ,+2 J@JJ@C2 - ,2 AD A@. C
5-C A @ C,@C D@C > @ @@ I>-+ ;MKK A* AD I>-+
;MKQ .) 7
;=K; <N &O&$ &) 0 ?. 0 8$-SE (L<K +@ ?2 -C
@CE@ -C @, D * D ;PLL $ 0 ! 8;PL<(=;
1-A. @ ?@A 2 B@,, @@ +@ , D@ - ,D B@CE@ ;LQK
& & ;OP B B@CE@ ?> B @D *A ?@ +@ AD
! , D@ +B @..@ ;MN;)C! " HH0 LQ G->
->,D ? U@ D@, +@ , D - %> > ?E@C 2E- ,@ +B@? C +2
+B@A J ,, C-? +B@? +B@ C C AD2 @C>@ +B@? J +B - ,@2
A@.C@2 AD B-A.@ ;M<< 1 & "0 QO &>C , A
+ @CG @@+2 AD ? U@ .--D ! , D -C B-+ %->A+CG
;QSO B % !) !! S 2 !B@ +>CA@D G -A@
@C A+ -C J>++ A. +--? > B - , A B@C ,, D ;QOM 8 6
<)!! 7 B-,@ -?@ B@CE 2 B B E- ,@D2 AD @ @
,, D B ?G EC@ D ;K=M -) <$ " % & -
* $ 8;<NM(;=Q B@ , D +B@ ,,-CG - @ @CG 5C@A B
D AA@C AD +B@ D .C @ - A A. , AD ;KLL .
V , (<$ (8CKM (4NQ B@ ? - A JJC- @D >+>?A , D
C@ +B- @ ? A,G -?J- @D -@AD @
,;L<N & %) "8;QKN(=; ! , + U@ J@C @,2
.@2. C,@ ^@+ a2 B@ B@?D@A@2 AD A GA. B@?
B C @ -,@2 , G -A GA@. @C AD ,+2 AD @C>@ + -C+B
; 0 0 $! e LN 8;KQQ(M= #G,@ -,G @
B B@ EC->.B+ ->+ - J GA@2 @CG . --D -C ,@++@
;L<Q , !0 C&!0 SS e K ! ,,@+- .C@@A@ B@CE@
;MO< C$ $ 0 =MK J C >22 B- @ G->A.
B--+@ E@ A. E-G,@D2 C@ @ +@A +B 6++,@ A@. C AD
E>++@C2 ! , ,,@+ - .C@ + D@, .B+ SMM- 1 $ "
;= 3 G2 ,,@+ AD + -C +BC@@ E-A@ - ?>++-A @C@
JC- D@D -C ? ++@C -+@A - > ;MKK$ -&) "
K= O ! ,,@+2 @ +B@C ! @@+ "@CE 2 -C & U,@D 5C> + 2 -C
%> > ?E@C 2 ! ?JB C@2 ,D@C O>D 2 OC--? O>D 2 \ @ +@A
+B $- +@D 3 @ + ;QNQ) & ( ) (= $ 0 ;QL
! ?JB C@ @CG --D A ! ,,@+ ;QSM))
&! - LN P &>DD A. 2 B B2 + ?> + E@ -A @ D2
A-+ -@,@. A+ / B 5C-. AD ! ,,@+ ;<NK (
$. 2 ! ,,@+ ? S@D +B >. C AD AA ?-A
% 0 AD ,,> @,G2 +GJ@ - -?@+B A.
? S@D 8 -C ->CG(
SM-S ! > !! ;K !B@ +B@ @@+@
3 C.@C-? - +B@ ,,@+2 -C C +B@C +B@ B@ CE@ - . C @ ;MNO
$ -0 =MO2 C@ ?@ ?E@C -A@ D2 +B@C@ A-
! ,,@+ A +B@ , A@ 2 +- ? U@ +B@ ? ++@C >->CG $;MLL
?& 0 8;M=Q(=KQ B@ &>C + A2 +B@ A E J+ +2
OC- A +2 U@ .C AD ,,@+ ;QQ=) I$; $!0 55 #>C
CC U ,D2 -C A B ? @ @# ,2 A@. C2 >. C2 AD
+A@ .C@@ ;KL; < & 1 5 ,T 8;K=O(
LQL " - +B@ >A +) C-EE@C 2 +@C , D - ?>CD@C AD
) - (- .A , .C + -A AD .@A@C , + 2 > @@D@D A
D D A. &-, AD ;KPM 5 B) 4 ! + ! , D -C +B@
! - , ;K<L +- $ 4 0 0+ ;LL ;%,- @ +B AD +B@
E> ,D A. A @A+@C+ A A. , D - +G,@
/ AG @.@+ E,@ -C B@CE > @D A C + +@
A C+ ,@ - --D2 @ J A +B@ U AD -D B D@ C E@D
A $!$ 3 10 !@@ , - " .)
, ;=MN : B . ?.0)) <QO@ C@ - , D 2 .C@A@
?@+ 2 AD - C>+@ C @ $;PNN !&2 - $ [55(B@G
G@D@ E->+ . DC A. &,@ >A+ , D@ 2 B B +B@G ? D@ B@C
@+@ ;PQQ O < 7 1$, >) 10 A 8;PKM(PO E2 AD
G->C @ &-++@ B@ CE@ AD ! ,,@+ A A-+B@C J, @ ;MO;
B $ 0 !0 H0 2 <; B + ,@ B@ CE AD
,,@+ EC@@@D 3 @, A B-,G2 -C E @ $S @J+0>.,- @ AD @++ @
;M=L 8 ! 0 A e ; ->,D D. @ + ;
! ,, D . +B@C@D A %B>C B G CD2 @, A CD@A
;MQL & B 0 &2 0 L<P B@G C@ @CG +@ ?JC +@ +B
+B@ C D @+2 @ + A . C D@ + -, @C+ ,@ B@ @ + E@ -
;QK=% -& $ $ LN= -J U B@ J E>+ B-,@ B@
D C-? @ B@ EC--U ,QNT
%,- +@CB ? B ,DC@A C- , D A +B@ D> + - EE-+
AD EE@ @2 AD ? U@ D C+ J@ - A>A AD C C ;KKQ
= & " 0 % 0 OQL 7 +@C C@ = $) -
D% , $! 0 (B@ @,, UA- A
E * ,0 = $!(AD E 0)! (@++> @
;KLK C !$!* $:>,G 80 C+,@++(2 ! , D .-@ +-
B@ D EG +B@ DD,@ - 3 G2 -A A -> @C ,AD SKM-
$! &> - (@+ ONP B- @ -C? UA- A
%>C,@D AD " @ D! , D ;KQQ &! < 0($!! 00
+B@ ,@++> @ J, A+E@ -C JC@J C + -A -C+B@ + E,@
+ A JC- @CE ,- C ,> @ > @ * (A &* ,
$ $!$ (=$ + - E@ @A. .@D A -?@ +C , - >J Y
+ -A2 8)(+ - ? U@ , @ + -A =&) &%+0 1(
;LON 9 ! (O +B + EIC@+B A-+BGA. B-,G2
E>+ + B@+B J + B@ - @>@CG +BGA. 2 ?@+@ + - JG U@
,@+ ;PLN ' 0 & P A. > EG B-JJ
- 3 @+ 2 >CJGA.@ +B@ BG. B +@ CD BGJJ - 5C >A @2 +

, G @C ? D@ +B@ UGA.@ +- .- JG, @ ,@++ ;PMK A ! +) @
' '(%(8;QN<(6 POP -C G->C A@ / - +-C 2 +
@--D + J U ! ,,@+ ->+ - +B@?2 A- AD +B@A S)W-
< && 8 C- C+(;NO A-+) U@
A A+B AU@ >6 " UA@G ? A B@@ ?@ A+ +- +->CA@ B ?
A+- +B@ E C@ ,@ 2 AD @+ B ? +GCD@ D@ +- J U@
,,@+ bM-S !! !! ;P') .--D DG)
7 @@ ? G J U@ +B-> AD ,,@+ @C@ @@ , .B+ -A > B
A-+B@C B@ CE@ $%+J ?$, !& ?$'D) 7U
8 C- C+(;QM2 ->,D B >@ +>CAD +B@ I>@ A@->+ - D--C
+- J U@ ! ,,@+

$ $ 10" $!$ 31&2!(F $-(3 .(^ ' (
^*!$ (^ && (3 *&&' : ! /
') (6 &) - $') & $: 3 /
!!&) ,)! $: 2 / 2 2
(D) , ,
ME(! ND /
X),$ $! $ C!$' 3'(%].D H
/ 5$! , & !!$(, - *

' &!0 0 !@C2 * , &% $** ' &'(
%>C,@D , U@ B@ D - @,@CG A , D E- , ;KP= !
! S 8 KM (OLM› C&) - $') & !$(
D@C @ + A., B A ?@ - , D E>CA@+ C-? + E@ A.
> @D , D $/%J B 1$! A =O2: UA- A-
A., B@A ?@ -C +^ &)) $'$g B- E@ +2 + ? G E@
A ?@D . CD A , >@C -C ->C , >@C2 -C ,, + , >@C ;KPK
! 33# /! M $ (T $!$ 3, $-(JC@J C@D DC@ A.
-C , D $%+%) !0 QL 3G ! , D D G@
7 B@A .C@@A@ A >D.@?@A+2 -,D AE,--D2 ;KMP & - 0
$ 0 3 GPP= O@ A. A A+ - B-C @ + +B@ + ?@] + A
?G , D D G 2C@ D@C] ,--U@D +BC->.B +B@ D @C+ @?@A+
A - (AD A-+ @D -A@ B B + AG C +@ JC-? @D
@,, 5Z 0) ' 0 "&) - $! - S KL ,, +B@ A@ Y
J J@C +B + ,->C B@D A +B@ .C@@A AD) 6 @+ D G - +B@
&C@ B @ E@@A C@J, @D EG ?-C@ D @A+>C-> C , SMKK
$ ' . - &) " 8$-SE %,>E(= ; ,,@++ D B
;QSN 8 6 6 '!(& !!$ OM # + 2 AD - G-> -A,G A+
-?@ , D D B@ 2 AD J, +@ Z `93 ›8H V .0?4 O(, '
S A >AC ,,@D -?J->AD@C - , D DC@ A. O/J "&
. 0(, $ - ':0 . CD@ A@2 B@C@ ,@+ B@CE@
D- .C- @ $/ :) & 0 C !0 7U 8;<N;(O=L A -+B@C
. CD@A >,, - ,, -C+ - ,,@+ B@ CE@ 90
$ $ 0 =MK J C .> JC A ,J ,, AD D@,@ + E,@ ! ,,@+
B@CE@ E-G,@D $>%> $ ' &2 ' $ (
8;KNL(MMP O $!!,) 1 C@ ,@++> @2 @AY
D @2 @,,@CG2 AD ? ,, B@CE 2) > B C@ @ 2 ?> + CD2
C D B2 \ ;Q<M ^ @@ B P)) a2 ;PQL A B-,
C & 0 A 0 ! O 0 8;KOL(LQN +@?2 -C ,,@+ C--+ - O
MSS 7 V $! (C $! (&@++ @ ! -CC@,,2 ,,@+
!-CC@,,)O /) ($ (T $!$ 3 *&&'(
--D@A2 -CG2 -C -+B@C J--A2 -C ? S A. AD @C A. , D
/ C -C? - B@,?@+

8 @', D A(2 *) , , - P ,@ADGA@2
P M ADGA@2 M ,@DGA@2 @AD AA@2 < ,, D A
1 (AD $!0 C A+ - #

, ;=LN2 ;=KM ^ @@ .) a $/J+ . 7 OMP ;
! , ADGA@ 2 , ! &"' (, SP!- .) $ ($! " M
@+ +B@ C-+@ - ! ,@DGA@ + ?J+@ @+B@ A GA@ ;PQL
& % - ' ' O B@ G@,,- ? ,U@ - .C@@A ,@AD A@ SM M
"! $ e ML< ! , D A@ B +B G@,,- 3 ,U2 B B B +B
?> B C ?-AG 4KQK) ' 1! 0 <!& 0($!!$ '(+B@
J, A+ @, AD A@2 ! &') - - $B) (SKKM <!& 0(
$!$ ' (

/ 1% 1 0 W % # ;

%4=LN) 7 '(C& - 8&@C G !- (OOL 7 G+B@ DG
? AD@ >6@ D@C@,G DG.B+@2 $G B@ , DGA@X @++@ -A @ @CG
GD@

9 / $T =*10 0 (^ D SA@D $!$3
') 8 A , - $!$ ' +(2 $!$ '(H P A ?@
- +B@ !>,+ A - .GJ+ AD !GC 8;;LQ <L(a
$!$ ' $5 8 , - E -, (+ S2 -A + A. -
+B@ +@A+B - ? A A -?@2 C + ?J- @D A %%
-A A., AD AD 5C A @ -C +B@ >JJ-C+ - +B@
C> D@ . A + ! , D A 8 @@ E- @(

3 -D@CA C +@C >E + +>+@ +B@ JC-J@C A ?@ > @D ++C E -C
J- @ @,G
$>J ", 2 B@ ! , D A@ S +B> , D
B + @ @CG &@C -A B- D D)A-+ @A+@C B ? @, %C-* @2
-E, .@D +- J G @A+B - B G@ C,G $@ @A>@);QPL 1 0(
B@ % C+B> A 2 O@? CD A@ 2 AD -?@ -+B@C C@, . -> 2 @C@
@S@?J+@D C-? +B@ ! , D A@
YL JJ ',",!0 - 0 4 ;QO O B@ ! , D A @A+B 4KLQ
C ' ' " ", ;KP O ! , D A' + +B@ 4KQ= B
&' 0 (S 8 K<Q(P<Q B@ ! , D A + +B@ a

8 @D D .(5-C? @@! - , -
_ ,,@+ B@2 , + A@ ^ H - $L
" @CE AD @.@+ E,@ > @D -C , D

4MM= 3 . V$ & 0 8;QO<(;<N !- %B@C ,2 @++> @2
$ D B2 AD -+B@C ! ,,@+ A. 1 0 #;9 G->C A+
O@D +B ! ,, D A. ;MQN (B7 ' 0 $
&"0 8;M<=(M< !-?@ "@CE 2 @ E- ,@D -C ! ,,@+ A. 4MKQ
A 7 --D % 8# " ! (OLM2LM J, +@ - ,, + A.2 J ,@D
B .B AD -JJ@D2 X 2-C A.@ 2,@??-A 2-, @ 2 ?JB C@2 \
>+0g 9) +C $' J 2 !@ @C , % C+ - D -
AD @2 %@,@CG2 %@, A2 @++ @2 AD CC .-A2 @C@ @A+
A+- +B@ 9 + B@A +- -??-D +@ +B@ E,@ +B C
! , + A@ ;QQ; : 6 - !0 8;K<M(==O CD@A +>
AD ,,@++ A. 4KP; › $- 0 <$ ' T $ 0 P"
M< %-A+ A>@ +- ? U@ - A. - &@ 2 O@ A 2 >CA J 2
@ @CG -C+A .B+2 +B ? ,, , D A. @ @CG @@U2 43=
C)1! , * ' &' P !@J LN; ; B@ ? ,, , D A. B B
? U@ A A+@C? ++@A+ JJ@ C A @ + +B@ + E,@

!$ $! 10 ! / C

;QMM)) -) 0 OQ2 J-U@ - + +B@ . CD@A
J-+ B@CE2 AD ,, D A. E>CA@+

9 W #, @ - , - >J@C -C I> , +G2 > B
> @D A DC@ A. , D

;PPK < !!&% 0 "' 8!-?@C @+ " - (2 GD@ ->+ -C
,,@++ -G,@ $/ J ' 0 C. & $ 0 ? S 6 L; U@
@@+@ ! ,,@++@ # ,@ + @A+ @ J->AD@ U U S $
, $ << #G,@ #, >@2 B B @ -??-A,G ,, ! ,,@+
#G,@ ;MKL &5& , 0 5 ,0(C ' ' !!0 Q= & +@2
! ,, D #G,2 AD > B D@A+ , $@I> +@ +B@ &C@ ? A

A B -CU ? G A+ ;KMQ $ I -(PKN ! , D - ,2
-C @@+ - , 8-, @ - ,(2 -E+ A@D EG C> B A. -, @ ;KQ=
<) \ L $ 0 0 LNO B@ - ,2 !) - ! $ (
,,@D , - ! , D - ,2 - J ,@ +C) -,->C

8 @D ,(, - ,, , ^%B A--U : C.-A
$!!$!8 f %B A--U .!3. 2)3 . 3! +0›] A @ @C.C@@A
BC>E =<$)! . $ $!!& + - % , -CA AD
#C@. -A2 E@ C A. @@+ @D E,@ E@CC @

;KLK 5*!(&) 8;K=M(OO; B@ , ,E@CCG
@@+ AD J,@ A+ C> + - D CU J>CJ,@ -,-C2 -E,-A.2 AD
E->+ +B@ X@ - .C J@ SKMM $ (?& 0 POO O B@
!B ,,-A -C ! , - +B@ A-C+B @ + - + - ?@C CKKM
<&& & QL C@ + --D - / ->., C - @C +B@ B-,@
C@. -A 8- A -> @C , AD(2 +B ,- @,G >AD@C.C- +B -
CE>+> 2 ,, ,2 A @ @C.C@@A BC>E2 AD ? ,, ? J,@

8), ?I@ AD (2 10 , - =)P
, ? ADC@ P Q A -C? ^ 5 $!$-$'
8 O+B (2 D $!$ '$' $(2 C d H* *$(
% 3 " 2 ?-D $!$-$' 0›]

2 $, X CD , U@ A ? , >JJ- @D +- , @ A2 -C
+- E@ E,@ +- @AD>C@2 C@ - -A,G $!!) T

;L=N ;MQ J@ , ? ADC@ :V@+,@>@ V A@ V@>@C@ %;=LN
)7 ' 0 C& - 8&@C G !- (;QN AD , ? ADC ?- +
@,,G D-+B@ ? A @ $& $ L * 0 Q= B
! ,@? ADC@ E@C +B >,,@2 - B B@ ? D@ ,-+B AD
.GCD,@ +B + ? G A-+ EC@AA@ A +B@ GC@ 8% I $!$-$' ›
2&&! A M a $/O+ < &"0 5 .0 7U 8 C- C+(
OLN B@ &-@+ 2 @@ A. ->@C -C B@D +B @ + -A2, U@A
@+B +B@? +- ! , ? AD@C NSP<; " - 0 8;MLQ(
< U@ +B@ ! , ? AD@C2 +B + @ @C A +B@ C@ AD A@ @C
-A >?@D SMSM $ % 0 C& - A - › ! (@+
8;KQ;(;;< 1@+ B@ A , @ A-@ ?-C@ +B->+ D@ C@2 B@A A
+B@ , ? ADC +B->+ C@ O%J& 2 ' $ (
ON B@ @CG % ?@, -A AD @CG ! , ? AD@C C@ C@I>@A+
+B@C@ ^)C2 A 3 D . C(SMK - . 3 . (< $, SS
=M= ! A , U@ ! , ? AD@C A , @ +- @+@CA +G A +B@ C@ -
-D' C +B ;MKK $ ' . - &) " C ONP ;2 : B @
-?@ -5+B@ B C2 -C D- A - +B@ ! , ? AD@C2 B B B @
@ @C , + ?@ J>+ A +B@ 5 C@2 AD ? D@ + C@D B-+2 AD +@C
+ U@A + ->+2 B B E@ A. -,D2 G@+ C@? A@D J@C @ + --,
^% ;=K; E- @(O›OO ' &!! , 0 8# " ! (;O<
" @ B D O ! , ? AD@C 2 B B , @D O B->C A .C@ + 5 C@
;KM= : 7 . & - 0) 0 2 ;L; B + B@ ,, B@A @ -C+B
^ A +B@ , AD - -, A-a -,,- +B@ @S ?J,@ - , Y
? AD@C2 B B , G , @ A C@

E AG + ,@D ?JB E A - +B@ >C-D@,-> ? ,G
$!$-$' $ (& -?@ ,- @,G ,, @D ? ,G
B@, AD , ? AD@C -C? +B@ +GJ , .@A> $!$-$%
$ +B@ +@C , ? AD@C C@ +B@ A@ + -C2 +C +-A
SMS 7 V $!-$' $)(+@C ! , ? AD@C
E, U E U@D2 C@D E@,, @D2 AD >,, - G@,,- J-+ $%%
'&-$ 0 OM $, $ $!$-$' $ $)$,$(
+B@ +@C ! , ? AD@C2 SGS 3 <$0&* "!(2
!? ,, % J@ ! , ? AD@C + I>@ U , U@ $ + O>/J
",!0)**0(B@ $!$-$' $ $D)$,$(-C +@C
, ? AD@C B@ $!$-$' $ (-C, AD , ? AY
D@C $ J& = =B) › ' -0 V ' (;KQ I> +
! , ? AD@C , G C@+ A +B@ @C+ ,,G -?JC@ @D + ,
$ J/ :)10 ' (' - 0 SS =O; B@ -+B@C
'&*&-]((P E@@A ,,@D EG ?@C A C +@C +B@
. A+ , ? AD@C O >+ < .. +C C) * !
? " 0 O, U ! , ? AD@C = &' $ * + B A-
J-+ ;K<M +C ?&$ › › 5 31.0 N&&!0 =NP B@ : J A@ @ A+
! , ? AD@C = "* &1 $',) B$*&' ,) +0
.>C@ - +B@ ?G+B , , ? AD@C > @D

A @?E,@?

SMKK $ - &) " ONP ; " @ E@ C@+B C.@A+2
! , ? AD@C A , ?@ L>)) $! " ,- 2
L UJ , '&!0 0($!$-$' = 0+(A @?E,@?
- -A + A G2 C@JC@ @A+@D A , ?@ ;KL=
$' (1" ' ;LK B@ , + , @C2 E@,-A. +- +B@ > +@
- +B@ 9 A. - 5C A @2 B B @@A EG +B@ C-G , Y
? AD@C -A B E U 4K=4 .), (= ,& 0
) , < O , ? AD@C , - JJ@ C -A +B -A+ ^ A
7 A B@ +@C % +B@DC ,a22 A ,,> -A +- +B@ -CD B B
!+ :-BA J U@ - ->C E,@ @D -CD ^3 ++ a2
/ $' %0 AD 6 0 JJ, @D +- J@C -A 2 @+ +B
C@ @C@A @ +- @A @ ' 0

;P<M ' ((PL2 B >@ ??A+ A'D +B +
! , ? AD@C ^ f @CG C@D @a - G->C +B C@2 AG + ?@ +B
+ - AD +B C+ @ G@@C@ SM-- ! (. 8;KQM(
=P2 +@ +--B-+2 G@+ + ,, D D D@ C@2 -, >@ ! , ? AD@C
A +B@ C@ ;999 1B 8 * 0 " - 0 ;NL + C
B@ J@C C +@ +B@G ? .B+ B @ E@@A ! A+ A "@ @A +B A
! , ? AD@C A "@,,2 ;MQN 0 8;KMQ(==;
-D' J@-J,@ C@ +C>@ , ? AD@C 2 +B + , @ E@ + A +B@
>CA @ - , + -A ;KP= &) .(& " ;P< ;
!B@ , ? AD@C A +@?J@C -C ,, B@C AA- @A+ A ?@
SKKK 5 ' B - ($ 2 3 D ?@ 3 D
J@C @ + , ? AD@C -C B@ +

E J C + >JJ- @D +- , @ A C@)

!@@ & C @, > " - * 5 ("!* (C" - (&!$3
- $' (@+ 2 7U ;MPK 2 LKK @II
;MPQ (. . C !& 0 %(OQ - +B@ 5 C@ -C +B@ 5 C? Y
?@A+ D-@ E@,-A. +B@ >, A , 2&@AA + 2 ! , ? AD@C ;QSL
1 $* &, .(& 0 $1 !!$ - & (-CD A.
+- +B@ @ @A+,@?@A ^*C +B@ $- C> A a2 +B@ ->C ,@Y
?@A+ C@ AB E +@D EG !J C + 2 B B +B@G ,, !G,JB 2
A-?@ 2 G?JB 2 AD ! , ? AD@C 4Q = 1 MN
B@ !JC +@ - @CG @C? . A+ A 5, ?@ 3 ->A+ >J2 AD
+ U@ ! , ? AD@C' J ?@ ;KO4 V ' !2 0 SSS 2
U@ , ? AD@C @S@ >+ A. C-, D A @ A +B@ C@. -A -
+B@ !G,JB ;KQ; O . $) 8;KQP(PP
JC A @ ; @@?@D -'@C ? AG , ? AD@C
* - ? A B- 8- +@A E,G(, @ B +@,G A
+B@ CB D + - +@?J+ + -A 1 (

;Q;4)) * 0 - ;<K 5 B@C@ !J@ @ -
7 -?@A2 B-? B ,, D +A.> B EG +B@ ?@ - ! , ? AY
D@C - ! , ? AD@C U AD - "@C- A@ A %B + +G2
+B + +C@ D >J-A 5 C@ ^@+ a ;QQ; < ' &)) 10 & (
& !) LQ B@ C@ , E@ >+G AD - @D C+>@ - +B- @
,- @,G , ? AD@C

D -,D @C B- @SJ- @ B ? @, +- C@ A E ++,@
;QNP 8 6 , (&% $!$-$' OO 7U ;QP; Q<
% ,, ?G -CD %^>++ a ! , ? AD@C ^;KNQ 9 .

6 - !0 ! 3 G A % 8;KMO(O;Q UA- +B +
O>-A J C+@ @SJ- @ B ? @, , ++,@ J- E,@ A-+ ?-A. +
B -+B@C A + @ E@, @ A. +B + B@ , ? AD@C2 , ;K=< A
* , $ & #5 3 G 8;<N=(K;N O& DDG ->.B C- E@+ S+
E>,,D-. AD , ? AD@C a ;K<Q $!" 2 ON JC K =
A E ++,@ ? A B- @ C@D C@ - A-> @2 AD 3C @@
+B@ ->AD@ + ! , ? AD@C E@ B D @ @C UA- A
@2 !$' 0 C@ @ + A. *>..,@C

8% I>-+ ! .) 1D
;KP) !$' 0($!$-$' (+C@@+ C-E +
AD *>..,@C B- @ + C@ SKKM ! 0 < &' 2
7 @ A+ B- -++G A'+ ,- A A'+ *>?J A.
B-C @ X A'+ , ? AD@C

JJ, @D +- C -> C+ ,@ > @D A C@ -C JY
E,@ - +B + AD A. .C@ +B@ + i E@ +- 8%
$!$-$' 3 &' : , - 5 $!$-$' *) 0+
SMMK . '&-$ 0 #R7 - $' % 0 0$! 1 3
') $* (($!$ - $' $(0! , ? ADC@2 -C A -?E> Y
+ E,@ +-A@2 AD ! , ? AD@C --,2 $;QNN 0 $' 0
2($!$-$' (!+-A@ 8, +@,G(->AD A &@A G, A
>,, - %-++-A2 B B ,, A-+ -A >?@ A +B@ 5 C@

E A C-A -C J-U@C > @D C@D B-+ -C , .B+ A.

J J@2 .A + A. .>AJ- D@C2 @+ @@ I>-+

;M<K 7 : 7 +C & 1 › 6&) - 0 &' (OQ 3 >,+ +>D@
E D , ++,@ A 9@++,@ A +B@ C " -> @ 2 +B !? ,, - ,
U AD,@D2 +- , .B+ +B@ C & J@ +B , +B->.B A -?@ J, @
+B@G > @ % AD,@ 2 A -+B@C ! , ? AD@C 2 $;QNN O
0 $' 0 2($!$-$' (2 C@D B-+ C-A +- , .B+
-E - +B S) M B 7 $) 0 0($!$-$' (
J @ @ - ?@+ , +B B AD,@ ++ B@D2 B B B@ +@D -C
+B@ J>CJ- @ - C A. .>A $ &> ' .. 8 ..! $!$-$' (
, C.@ J-U@C SKMK =) .) 0 $!,&' S ;<M
&@..G JJ@ C@D +B , ? AD@C] +B + B>.@ J-U@C2
@AD A. A-+ A J- A+2 E>+ C@D B-+ @ - J D@ ;K<K
E' , $ 0 $ 0 MO; B@ , ? AD@C] A C-A
U@J+ C@D B-+ A +B@ . ,,@G -C C A. +B@ ,>+@

$!!) "(T ? - -,D @D ? +@C ,
A >CA @ B@ C+ 8$ G?-AD(,,@D , - 1 $ (
& (AD &2(

^;K) " '!($'.! ' ' (LCD !@C ;OK B@ ? ++@
?@,+ A. 8C-B B?@,X@A(- +B@ !+@ A B ++@ D-@ A-+ JC-D> @
AG @ C@+ -A - ?@+ ,, C-A2 8@, @A >@A2 , ? AD@C(a
;KQ; 8 @@ ' 1(;Oa ;KQQ) $ ('
' ' \\\ - +BC- G A ? ++@ 2 , . 2 AD , ? AY
D@C +B@ C-A + ^P% B@? + +@a -A+ A

D &&. "(C >, C C-A J, +@ B B B@ +@D
AD J, @D - @C J>DD A. -C -+B@C D B +- EC- A +
$>%O = 66 .) ' 0 &) .* 0 8;QQK(OPL " -,D B-+
, ? AD@C - @C + + ,, + @CG EC- A $ +& - . &' 0
&&. " ;4 # G A +B@ C ++@C 2 +C@ , ++,@ >. C
- @C +B@?2 AD ., X@ +B@? - @C +B C@D B-+ , ? AD@C
SK K =) $ - 0 C$ K= B@ C BC-A-Y
?@+@C J +] +B@ C A+@A @ ! , ? AD@C] +B@ C - @A] +B@ C
J-+ 2 +B + A - +@A -,D . AD@C K &/ . U & 0
&&. " ;M< B D-A@ +B , ? AD@C2 +
,,@D U + B@A B- @` -?@+ ?@ >E + +>+@D -C +
@ 8!@@ I>-+ (

;KQ E T 0 !0 B@ ? ,U - S2 +B>
JC@J C@D2 ? G E@ JC@ D +B ? --+B EC> B >J-A +B@ >C
@ - J A+ A.2 ,,- @D +- DCG2 AD +B@A > @D EG J A.
B-+ C-A 8 , ? AD@C(- @C + >C @ ;KQP : 7
(, 0($!$-$' (+@C? -?@+ ?@ JJ, @D +-
C@ JC-- @2 ;K<W) '.› $' $ (($!$-$' (
2 ?@+ , DC>? -C E-S -C -A+ A A. B-+ - , 2@+ 2 > @D
A DCG A. J, +@C

! !&,$! E((J-> B@D C + -C .-JB@C2 @ J
< &-" * ' 0

;KP< ! 5) $--$! 0 - 0 LQ; B@ J@ @ 8-
< &-" H C@ +@C?@D T .-JB@C A +B@ @ +2 E>+ A @-C.
AD 5,-C D +B@G C@ ,?- + >A @C ,,G ,,@D T , ? AY
D@C g LKN< & - " ! , ? AD@C
M -C? E DC AU A. +- + -??-A ?-A.
@C? A +>D@A+

B@ >,, @SJC@ -A ' - ' ' $!$-$' 1 '
8 C + I>-+2 E@,- (
SKMK $! 2 ;# >. 2 ^#A@ - +B@ @C@?-A @ a
,,@DTC>EE A. , ? AD@C @CG +>D@A+ ,, B .,
+- +B@ EC ?2 AD + +B@ -?? AD - +B@ +- +? +@C C>E
+ -A +B@ + E,@2 B ,@ +B@ , ++@C ->A+ +BC@@ ;K<; -
;# 3 G <)L B@ @C? A @?J@C-C B@A B@ C@ J-AD@D +- +B@
T +B>AD@C A. , ? AD@C A B B +B@ O-AA +>D@A+ DC AU
E B@ ,+B

M $ 1(AD & - 1(($!$-$' 3 $ ' (
3 . #](AD D , ? AD@C8' (E,--D 8 @@
I>-+ (, ? AD@C ,-+B2 A A -?E> + E,@
,-+B ? D@ C-? E@ +- + , ? AD@C ,G2
U AD - C@ ,G , ? AD@C B C ^ <($!$3
- $' $$](U AD - E@ +- 8 @@ I>-+ (, Y
? AD@C @ C@ JC-- @ , ?)D@C
+-A@ f B , ? AD@C +- @ E(0(
? ,, J-C+ E,@ +- @ -C B@ + A. C--? ,
? AD@C8' (--,2 E@ +- 8 I>-+ ;=K; AD
;MKK A (

$%O& ?$ › * ' PQ O B !J C +2 C-A +
-? A. -C+B A C@D J->C 2 EG -?@ >+B-C ,,@D
B@ d! , ? AD@C O,--D $>+& # ' 5(, 'H 2
$!$-$' ?!&& (--, B @C? +B + +B@ %BG? +
. @ +- +B@ C@D J->C 2 B B A / +,, + -A - !J C + -
+C@2 +- CD +B@ , ++@C @AD2 D- ,, +B@ $@ @ @C +B C@D
%,->D ;K=; C ' ' " ",!0 4 4 LLQ B@ d , ? AD@C ,-+B
@A+EG +B@ C+ C U A. +- +B@ $-? A J-A $%%
'&-$ 0 =M C" & 1') 00+B@ 5 C@ ,G2 -C d! , ? ADC@ 5,G
$ AO ! $!@C !!%&& T $"(--D ? +@C ?J@Y
D- ,@ 2G-> C@ @, -?@ +2 ,-A. A @ G-> @A+ d! , Y
? AD@C. +B@C A. D- A '$0 $>A 9)8) & ! ;=
A., B , 2 - B B +B@ - C @C !-C+ ,,'D &, +@C2 -C
& C.@+2 +B@ A@C2 !J D2 C+B 5, S2 -C d! , ? AD@C' " C
' (› (7U 8 C- C+(,1 MK #A +B@
d! , ? AD@C ,U@ :@C> ,@?2 B >@ + +B@ --,@ +@C -
?G @ C@ ;QSK ' $ ' - LO O;< &@C -A2 +B +
! , ? AD@C ,U@ @@D A +B@ 5 C@ - %-A+@A+ -A ;Q<K %
) &' (', & - . (7B ,@2 ! , ? AD@C
,U@2 +B@ J-AD'C-> A B-C ,@ ;KKP $' ($ ((

8;KKK('LNK ! , ? AD@C ,U@' A ? ,' +B' ->C' @,, Dq '
@,-J@D'E>+' B-C+', ?E ' ;KPK') ' ,E' $ 'T $!$3'
$' 3 $% ' A' ?@C A' A ?@' -C' J +@A+' C@ JC--' C-A'
@ ' ;KP< ' ,E' / (' ' $ ' B@G' C@'A- '
.@A@C ,,G' ? D@' C@JC-- ' AD' -?@' -' +B@ @' C@' ,,@D'
? , ? AD@C' @ "' ;PKL' < ' $ - !! $' 7 U '8 C- C+(
' M;' B@' ! ? AD@C' +-A@Z -A @' @+' -A' C@Z A' A@>@C'E@'
I>@A B@D' ;P<N]' ' && !$ ' E D' ' OO' B@ C'
@G@ ' C@' ,U@' ! , ? AD@C' +-A@ Z +B +' @C' +' +B@' .B+' -'
@>@CG' , ?@' ;KLO' ' 8 ' ?! $! ' & - (' ' 8;KKP(
=O !B@' B ' E@@A' + ,@D' +B' +B@' B@ +' - ' ' , ? AD@C'
+- @' ;K< ' $!"' 2 ' < >.' P =' C+ ,' B@ +'
>CA B@D' EG' -A@' B>AD@C@D' ? ,,' , ? AD@C' +- @ ' ;9#9'
' "! $' e' QQ=' ! , ? AD@C' 7 --,, ' 0@ A.' ' 9 AD@'
- ' 3 A@C ,,Z B B' B +@A@+B' , -' A' +B@' 0>CA A.Z AD' -A'
>?@+B' A-+' $' ;MLL' B ' 0' 8;MLP(' ;PO' ' C?@A+'
- ' ! , ? AD@C -- ,' ;)M' ' ' 8 'C) (' *(' ? '
S ' 4L< A -? E> + E,@' A JU A' AD' +@S+>C@' B B' @AD>C@'
+B@' C@Z B- @' ? +@C ,,' C@' ,,'D' EG' +B@' A ?@' - ' ! ,)'
? AD@C' --,,' SMMK^ @@' L a'
E ' J A.' A+-' $ B0' G' .) ' $0' 0
;Q;4')) ' * ,' 0' -' ;<K' 'L' ' -C' +B ' J C+' - ' +B@'
C' @S' B-' C@' A-+' - ' +B@' , ? AD@C' U AD Z ' ->,D Z
D @' +B@? +-' - D B +' C@, . -A' ,,' @?J+ + -A '
4Q=L' B 7' E' (' S ',LPM AD' ' -C@AX-' ' , ? AD@C'
B@ C+' %-,D' AD' >A+-> B'D Z ?' D' +B@ @' C@D' C@' ' ;KS='
' $ ' 9 . 'C (' $ "' 'LNOZ' ->,D'C +B@C B @'
.-A@' +BC->.B' +B@' ?@' JC-J-C+ -A' - ' C@Z ' 'B @' ? -C@'
, ? AD@C' +B A'D-,JB A' JC-J@C+ @
"@A @' ! , ? >D@C B J' 8 ' .) ' (
O' @(
4QKQ' , &,& -' - 'O;' ' ' B ' ,,> +C -> '&B @A-?@A-A'
- ' $!$-$' ' .*' AD' C+>@' 8* ' 3 C' &- @,Z +B@' 5 C@'
@ +@Ca
! , + A D @ C ' (' $ (' ^ 'JC@ ' E a' ' ' 0'
-' , @' ? D +' C@Z ,U@'+B@' , ? AD@CZ E ' $' 0'
-' >E? +'+-' .C@ +' B@ +
KPQ' .$ - (' 6 '!(' 'OP' A' -A@' J C+?@A+ D @,, ' '
? U@C' -' ,>D @C ? + B@ Z , ? AD@C A.' A' C@' AD' EC ?Y
+-A@' 4<N=' ?!$,. 6(' $ (' / @ Z QKO ;' " ' A* ' +B@' C E'
J@ A+' a' . C?@A+' '?> +' E@' , ? AD@C@D' AD' B ' C '
?> +' E@'E U@D
! , ? A D C > ' 8)@, ? @?DC A(Z $(' AD' (
^ ' ' $!$ - $' $' .) ' N' " V' ' $ B(
' $@ @?E, A.' 8+B +' - (' ' , ? AD@C'
SM-' '7 ' 9 ' ,$,& &' ' 8;MNO(' O' B@' :@ > + ' @C@'
+B@' C +' E@. AA@C' +B@C@- ' ^- ' AD ,aZ AD' B >@' -A+ A>@D'
-A' +B ' ! , ? ADC A' ? - U@' - ' J-C-> ' B@ + ' ;M=Q'
8 ' $' ' ' 7 U ' ;KPO' 4 ' ;PP' +' 'A-+' AG'
! , ? ADC A' %-? J,@S -A' +B +' ' +B@' ? -+ @' +-' +B '>AY
D@C+ U A.
O@,-A. A.'+-' +B@' .@A> ' $!$-$' $
;KLN $ > ' $ (4 ' MPM' ' , ? ADC A' , C '
R&&&' ' . A' <&& ' & 'OLO' ' @ ' -+B@C' , ? AY
DC A' C@ +>C@ 2
O ' 1(' ' , ? ADC A' E +C B A
;KLN' $ > ' $ (4 'MPM' '.C@ + - , ' , ? ADC A'
! , ? A D C D' 8), ? @? DC D(' ^ D' ? -D '
$!$-$' $ "' $!$-$' $' .) ' @@'
b / a' ' , ? AD@C' - ' +B@' ? ,G' $!$-$' ('
;KML' ' $'(< &!0' L=P ! , ? ADC D] !J@ @' +BY
->+' . ,, ' -C' . ,, -J@A A. ' A'+B@' D>,+' + +@
! , ? >DC - A > '8 @, ? @?DC J ?('Z $(' ^ Z
' $!$-$' $' .) _' @@' "6 V' $@Y
@?E, A.' -C'B A.' +B@' -C?' - ' ' , ? AD@C
$ %O' ' BL. ' & (' !$ %(' ' - (' ;:O' B@' EGC A+B '
-D-A+] B@' E-DG' ' , ? ADC -C?Z +B' C@, + @,G' @ U'
, ?E Z AD' ' ,-A.' + ,' ;KQQ' ' ! - (' < &!('

) , ? A D C A @' 8 @, ? @ ADC A(Z $0' AD' 10
^ ' ' $!$-$' $' .) ' N' Q(' a' ' $ B0
' $@ @?E, A.' -C' B C +@C + ' - ' +B@' , ? AD@C
A' E@ A.' E,@'+-' C@ +' C@Z -C', @' A' +
4Q ')) ' * (' - ' OK; ;L' ' @C+ A' ! , ? ADC A@'
F> , +GZ +B +' ? D@' +' J E,@' -' , A.' A' +B@' ? D +' - '5 C@'
AD' 5, ?@Z ' ;K=< ' $2 & ' ' ;KMP' ' ;<N'
+' E@ - ?@+B' A-+' ' D A@'Z +B' -CD' %-U@Z +-' E@' -' '
@CG' AD' , ? ADC A@' J C +' ' ;KQN !!!) 0' $' (' 2 '
O< # +' '==M B@G' ,@D' +B@,C)' ' , ? ADC A@' D A @' -@C' +B@'
., X@D' D@, +' J, I>@' ' ,) ' +-' +B@' ,@ J A.' ' , ?@ ' SK)
' ! 3!# ' $ 0' ' ,)$ & 5 (' ;K= B@C@' ' 'B-+' C@' AD'
+B@' A@ @ +G' - ' CCG A.'-A' >, A CG' -J@C + -A' A' + ? ?@Y
D +@' A +GZ B B' +@AD@D' +-' ;,' ->C' , ? ADC A@' I> , Y
+ @' A+-'C@I> + -A
' &&!(' # ' -C' J@C+ A A.'+-' +B@' $!$-$' - ('
;KMP' 1 ' A' $ (' 0' 0' : A' 4N=' B@'C@JC@ @A+ + @
- ' +B@ @' ^+GJ@ a' A' +B@' & , -+C-J D'C@. -A' D-'A-+' @SB E +'
> B'D@ D@D' , ? ADC A@' +@AD@A @ Z);KQN' ' BL. ' $"'
- (' S ' OKQ' 5 B -A A.' , AU' AD' "?E' A+-' D>@' ,
? ADC A@' JC-J-C+ -A ' SK \' ,'# ' ' - ('
% ' =NK' B@' ! , ? ADC A@' - 1!" &- $' ' 5 ,$') - (
O ' 1(' ' f' .) 'O'E
;Q<Q' 7 ' . ' A' &' !"' (4 4 'PNQ' B@' B C? '
' ?@A-@Z ' , ? ADC A@' ;K=M ?!$,. 2 (' $ 0' 4 'OOM
@CG'B-CC E,@' ,@.@AD' - 'D@?-AZ .B- +'Z .->,@Z .A-?@Z , Y
? ADC A@Z AD' C@U A.' ;KKL' % ' !$' ' ;P'
B@A' J@CB J ' +B@' @, @ Z AD' +B@' C@ ' AD' +B@'E@ >+ >,'
, ? ADC A@' ,,' -?@'E U'+-'>
' j' ;) ' 'E
[K<4 A' ') "' (
! , ? >DC - D' 8 @, ? @?DC- D(Z $(' AD' 1(
D ' ? -D Z' $!$-$' & ' ^) (' %(' $!$ '$' $'
.) _' @@' -A(a' ' $ B0' $@ @?E, A.' '
, ? AD@CZ , ? ADC -C?
;KL=' 8 ' A' C ' ,0' ,0' 0' $ (' ';<=' ! ,
? ADC- D' B@' ;KQQ' ' ! - (' < &!(' 8;KQ<(' =<L'
' ! , ? ADC- D' ?JB E AZ ->C' @@+',-A.
O ' 1(' ' >C-D@,@' - ' +B@' .@A> ' $!$-$' $' -C'
,, @D' .@A@C
$ %A' ' < &!(L==' ! , ? ADC- D Z -C' ?$ $, $'
& !$(' 5N'5 (. L=< B@' U@,@+-A' - ' '
! , ? ADC- ' - ', C.@' X@

! , ? ADC-S !Z XZ' $ 3V' H!D ($!$-$' $'
" ' a' -> a' A.' ' +' @C@' A' C@'
@CGZ B-+Z J -A +@
4Q44 ' 'C " 0' C "!0' O< 3 G'! , ? ADC-> '!J C + Z'
?G' 5+A-> 'E>CA A.' "> ? ->C 2
!-' ! , ? ? DCG' $(
SM -' ' 5*& 0' & - (' * 0' 73 <& *0' . (' 8;MO<(' QM' ' '
! , ? ADCG' J C +' B->,D' +C D> @' +B +' .-D,G', E->CZ ' +B@'
,@A @D' 3 A +@C 'B >@' C-A.@D' ->C' %-? ?>A -A' O- -U@
' ! , ? @' 8 , ? (' &,' ' , ? ' ^ + ? C@JCZ J-J'
'T $! - ' ' ' $! ' +-' ,+ a' ' U AD' - ' > .@
;KLL' 6 66 ' 6&' - 0' , !$' ' ;< 7 B +@' EC@ D' AD'
, ? ' ' ;KLK' = 3 ' 5*& 0' 50' $!$ - 0' ;<NQ' - (
$0 0' ;< # +' M O' 7 @' ?> +' ,>A B' -A' EC@ DZ B@@ @Z AD'
, ?@
! , ? ? -A '8 @, ?) ? @U(' 5-C? ' @@'
Q" " & , -' PZ' Q' ,' , ? -A UZ' M' ,
C ?JA U,@Z' , ? -A U ,,Z' Q' ! ,' C?@A Z'
, -C? -A U@' !@@' , -' " ' ^!@@'Q "0
" ' L' ? ? -A >?' B,-C D@
,'4LL!' &' (' ' (' ;K=' ! ,.@? ?@' AD' ,J@+C@Z ! , C? - '
A ' +B@C'G '@U@' ;L<N' < 8 ' &' (' 'K=' AD' +B@' J C +'
B B' ' @ ->AD@' A' ! ,' C? -A U' ' ->AD' ;=QQ' (
(' !, (' ' A' B?Z m;MPO(' =;' #C' B@+B@C' ' B ,' '
, ? -A U' + U@' ;!NQ !' ,, (' (' ' ,)0' ,& 0' Z'
;N=Z +' J>AD' ,' C ? -? U,@' , ' $ ' C ? -A U,@a' ;L=N'
1 0' ' LPQ' F> U' , @CZ I> ' +@Z , ? -A U ,,' MJS'
' ')'C!' ' *' ' LP;' B@' B +@' - ' A' @..' A' -CJ-C +'
+B' ,B-C?-A U@' A@,G' J>,>@C X@D' ;MQN' ')' &' (
! "' \J' -' B B' I> -C+' ' G->' J>+' +B' J C+- '
! , ? -A UZ AD' @+' +B@?' A' ' .@A+,@' B@ +Z ' +' ? U@'
I> $@. ' SMKM' ' $%%& 0' ' ;PN' I> ,' I> A+Y
+@' - ' J C +' - ' ! ,' C?@A ' AD' J C +' - ' 7 A@' ? S+' ;QSK'
CB ' &- * ' "0' LL' ! ,' C? -A ' @CG' @,@. A+,G'
? + +@' +B@' OC A B@' - ' ' C@@' ;QKM' +C' ? , ,%& ' $.
KQ' B@' ?@, Z B B' B E@@A' ,@ +' >A? -,@ +@D' +-' ? U@' '
? ? -A ' ;KML' &2 ' >' - (' 8@D' <(' 0<=' ! , ? ? -A '
' 'A- ' , C.@,G' ? A> +>C@D' C-?' +B@' ? ? -A ,', I> D'
- ' +B@' . ! 7 -C, Z
"@A @' ' ! V, K)) -> ,' +CZ J@C+ A A.' +-' ,
? ? -A
$>%+' 8 ' & - *!(' $ - ';' ' ML' 6 C A@' EG' , >E@C' '
C@ U-A@D' +-'E@' - ' 'D@ +C> + @ A +>C@' +-' @.@+ E,@ Z E@Y
> @' - ' +B@' , CC -A ,' I> , +G' +B +' A' +
! , ? -AZ 3 ' ' "
! , AJ-8-(C@Z J-C Z C A+' ' - ' . ; 1 !'
! , ? +-A@' 8 , @? +->A(' ' 0' ^ D' '
$!$- ! '' 8 7 @CA@C(a' ' E,>@' C @+G' - ' JJB C@'
C-?' %@G,-A
SKSM # ' 0'8@D' O(: LO' 7 @CA@C'B ' -C?@D' 'A@ '
>E J@ @' - ' J A@,Z >AD@C' +B@' A ?@' ! , ? +-A@Z B B' '
+B@' AD A' A ?@' - ' +B +' ? A@C ,' ;KL< ' ,0'
Q=L' $!$- &' ' C @+G' B B' -A +' - ' ? ,' +C A Y
J C@A+' CG + , Z -' J ,@'C@DD B' AD' E,> B' -,->C '
! , A. A@% @ , I.@ A(' N&&!0' , - 'K' , . A2'
<' , . >@' ^ D'5' $!$' $' ' -C' ? -D ' $!$'3'
'$(' '$ (' ' $!$- $(A ?@' - ' +B@' E CD' A'
>X-A a' #A@' - ' +B@' E CD' - ' +B@' .@A> ' &!!&,$! $(
B B' ? U@' @D E,@' A@ + ' A' @ >,@A+'
;Q<L' ' +C' ?) %& ' > ' $0' (' ? ' PQQ' -Y
+B A.' E@++@C' B@ ' +B +' +B@' ! , A. A@' B 'C@? A@D' ,-A.'
>AUA- AZ +B A' +B@' D @C@A+' A ?@' E@ +- @D' & ' >' ;Q<M'
" ' ' - 0' < & 0' 'PK<' B@' A@ +' - ' +B@' E CD' ' , A'
-CD ' +B +' D -, A.'*@,G' ;KM< QL' ' $ ' # ' $!!>'
? . 0' ? ' ;,;< ' B@' ! , A. A@> > ,,G'E> ,D' A' > B'D@@J'
AD' D CU' + @' +B +' ^@+ a
i' ! , C AZ , ' 1(' H A& - 4% [" & >($!$ $'(
' $! ' Z' $! ' 8 @@' X ' : Y' C
;L<K' $ 7 1 C+ S)Z ' ' 0) 0 5!5 0' 8;MOO(' MN' ' ! , C A'
@C @'^-C .' $! $ ',$ - ' H(' B B' 3 C'&C @ + ' @C@' -A+'
+-' A.' ^"@A @' A' ;MPM' . B '<!& & 0H'
'! , C AZ' $@' 1 (^ ' ' $! 3) '8 ' $!' ,+('
i' a' &@C+ A A.' +-' ,+' ;MPM' . B '<!& & (
+'! , 'C +@ Z' (' 1 (^ ' ' $! 3) - ' . >JJ,G'
B ' a' $ 0 -'J G' ' , CG' +- ' +-' ' ,
+B@' , CG' - ' "@A @' ! , +@D' * * !(' $ ((' , C @D
;MPM ' ' 7 ' , $' $' 8;MPK(' ONO' B@' !@A +' - '
+B@' O@ A' A' +B@A Z E@ > @' +' ' E>+' AA> ,Z ' ? -Y
D@C +@' +B +' , C, +@D' ;MQL' ' C& (' 0 '$ (' "B' ! ,
, C +@D' 3 ' +@C ' - ' %B A @CG' OSMKQ] 'C&!0' 0' 8;M<N('
=<' E-A@' Q0 2NNN Z + ' +B@' ?@D > ?' - ' L ' J@C' 3 A Z ->,D'
! , C +@' +B@' B-,@'A>? E@C' - ' +B @A+G' ->C' +B-> AD
! , C @D' 8 .@ , C D(Z * * !0' $ 0' ^ ' . ' 1(-C
Q' G
" A.'-C' C@ @ A.' ' , CG
SM-' # ' ' *!(' 1 !' H(' 'LM' 3 - ' - ' +B@?' @' B '
, C @D' B-,,@C Z -C' .@A+' ;KSK' B ' A' A0' (
4 4 '<M' 'C@.>, C' A J@ + -A' - ' +B@' B--,'EG' +B@' , C @D'
- @C @@C' ;KLK = L' = B.. ' * '8;KKN(' 'LM' -'E@Y
-?@' ' , C @D' , ' - ' @C A+' - ' +B@' C- A' S) ='
: ' : 7 ' (' <$,.' P<' " @' JJ@ C@D' ' ' , C @D'
+-C' +' / C>CG' A@
" A.' ' ' , CG' ++ B@D' +-' +
;KLM) 'C , ! '7' *$ $' S '7 U ' ;KPL')
B@' -+B@C' - @' +B +' C@' , C@D' C@' +B@' ,- @C' ;KQO'
= ' ' (C & ' (' 4'S'M;N' B@' J--C,G ' , C @D'%B C'
- '% ,' " +-CG
! , CG' 8 @D C (Z 5-C? ' ' = ,@C @2= M'
CG@Z' =Z' Q' ,,@CGZ' = K' , C @Z' P' ,@C Z' @, C @Z'
CMZ' @, C @Z' G@Z' P Q' ,, C @Z' P K' CGZ' M'
@,, CGZ' Q' ,,@C@GZ' K' @C @Z' P' , CG' ' P'
, 8 (C@Z' M' C' ^ Z' 5' $!$ ' f' # 5Z' $!$ '
+' $!$ &(' ! J Z' &.' ' $!$ & ' D ' $!) - (-C .'
? -A@G' ,, -) ' +-' $-? A' -,D @C' ' -C' +B@' J>C B @'
-' ,+Z' B@A @Z +B@ C' J G' >E +Z' > @' - ' A@>+' A.Z
- ' $!) 'J@C+ A A.' +-' ,+Z' ' $! ,+ a
Z' 5 S@D' J G?@A+' ? D@' J@C -D ,,G' +-' 'J@C -A'
' -? J@A + -A' -C' C@.>, C' -CU ' A- ' > > ,,G

C@ +C +@D' +-' J G ?@A+ ' ? D@' -C' A-A ? A> ,' -C'
A-A ?@ B A ,' -CU' 8 ' -JJ- @D' +-' 2$ +0
(5C- ?' ,' ;L<N' +-' ,' ;PON' - ? ? -A,G' JJ, @D' +-' +B@' + J@AD' - '
'JC @ +Z @ JZ ' B A+CG'JC @ +
' ;LQQ' 7. 'C 0' C 0' $(' 4 ' ;=O' $)' ' @C> >A+' + U@+B'
B ' , CG@' E -C@' \' ++B' -,D@' , G?@' ? -C@Z $' ;=NN &!&Q
- &' >' ? .(' & - ' =N A' $ - ' $ " '@+ ') ' %B@ @' :V@ '
+G' EGA@' \' ,->@' BG?' +B' ,' *' ' ? A+E ' # 'B ' ! ,@C @'
_VB-,D@' A->*+B ' ;=OK' A' 0' 03' !! ' 8;KKO(' KN AD'
+-' ' JC@ +' -C' +-' A.@' -C ?@' AD' ,,' C + A' ->, Z -?Y
J@+@A+' ,@C' ' -C' A' B-,@' B@C@' ' ;=KL L' ,0' 0' $ "'$'
!! 0 ' & GD@' +-' +B@' JC@ +@Z !GC',-BA' J,-??@CZ -C' BG '
@, C @' -C' +' G@CZ S +' 6' +' ' +' D' ;P;M' (1& 0 8!>C+@@ (
' O2 ;' ,' +B +' 'D@ C ++' AD' A'B-A@' +'JC@ +@'B @' @,, CG'
+-' GA.' -C' ?G' ->, ' ;PKP' ' 9 7 ' +C' ,.&!$">'
"&"' 0 A' S '<L' &B +,-A ' -C' +B@ C' , C@'B >@'@>@CG' -A@'
- ' +B@?' +@AA@' JC@ ' 'D G') ;MNO' 9 ' !1(' ' 0' J +'
8;M;O(LMN 5-C' -? J@+@A+' AD@' AD' ,, C@' +-' AD@C. -@'
+B@' D@ @A @' +-' +B@' $@ , ?@' [ML4' ' ' $ .0'
SS >' ;MM' $@ CDZ ' @ +B@C' - ' +Z -C'EG' %-A+C +' 7 B@A'
EG' %-A+C +Z +' ' ,,@D'! , CGZ AD' 7 .@ ' ;MP< / ' . '
- * (' $'M<' C@' A-+' - ' + U@A' >J' +B' +B@ . ,D@D'
% EE+A Z A+B-CA Z AD' .C@ +' ! , C@ ' B B' +B@G' B @Z
+B +' +B@G' ? AD@', ++,@' @, @' ' ;MQQ' $ &'$1!' (' < $' '
6) 'L' ! C' "> ? JBCG' 7 A BZ O C-A@+Z B +B' C-?' +B@'%->C+'
PNN ' J@C' AA>?' ! ,,@CGZ ;QSK') ' = ' 7 ' = 7B'
(' &' > '4%'? &!' &' JC Z B@' , @ B @' A-'
.@ ' E>+' ,-+B@ ' +-' 'B .B@C' ,>@' +B A' ->C' , C@ ' +-'
AG' -CD A CG' @C A+' ;QQM') ' (' 0' ' ;;'
'LO=' 5 S@D' , C@' @C@' JJ- A+@D' +-' +B@' *>D .@ ' ;K=K'
= . 'C&!0' ,&' 0' C' ' e' O' 8;KQM(LM B +' , C.@' J-C+ -A' - '
+B@' JC-D> + @' J + ,' - ' ' ->A+CG' B B' ' @? J,-G@D' A'
J G A.' +B@' .@ ' AD' , C@' - ' , E->C@C' SKMK' .$ - 1('
' ,",!0' 4 'LQ ;' ' ? A .@C- ' 'E AU' -C'C , G] @ @A' A'
- @C @@C' -C' ' ,@CU' A' ' ? A> +-CGZ ' D' +-' DC ' '
, CG' ;KQ< C ' (' $ ' 6 - !0' SS S' =L' B@' , CG' - '
+B@'&C ?@' 3 A +@C' 2) P2NNN J@C' AA>?
%(;=LL')7' 0' -) ' ' <L=' B@' , E-C@C' A@D@D' B-'
+> ' ' +-' E-C @' 5-C' B ' , C@' E--D' A +' + ,' +B@' ? -C @'
;=PM' ' <' ' 3 ' $2' - ' 8!' ' ! (;== !>JJ-' +B@' L@C@'
E@' A- B+' ,,' J +Z -C'E-+' E@.-AAGAZ B 'C a' ,' B@ ' E ' >,'
@ ' AD' , C@' ;PML Q' B ' % - (' E' ' &'
7 U '8!' ' ! (' ;=' ' +B@'C@ +->C
O ' $@ CD'-C'C@?>A@C + -A' -C' @C @'C@AD@C@D'
@@Z B-A-C C >?' 1 0
;778' < $' & - (' SS 'KK'8" C,' 3 ! (Z 0>+' ' V-> J G'
A- Z ' B ,' B-,D@' B ' ' +-' @DZ +G,,' +G ?@' +B +' 'E@' J ,@D'
>,,G' ?G' , CGZ ,'$&>>' L '6$ &' ' !B ,' :B >@' A-A@'
-+B@C C@' A@' A-A@' -+B@C' . @CD-A) -C ,,' ?G' ?@C +@ '
3 ;' ' $ - 0' 'Q< #B' +B ' 'BGC@' AD' ! ,,@CGZ
A-+' $@>@A.@' ;MO ' = ' L' $23 , 0' L<N B@' C'
S B A.@' C@' ? D@' J-A' +B ' ? . A C@' D> +)' - ' +BC@@'
B>ADC@+B' @>@A+ @' AD' >@' 3 ,>@D @ Z + -' E@' J G@D' A'O AU@Z'
+B' >@' J-A' +B@' +B-> ADZ B B' ' +B@' ,, C @' - ' +B@'
O AU@C' ;M=;' ' '!$' "' O=P ! , C@ . A @ ' '
C@ -? J@A @Z -CZ -A D@C +-A' . @A' >A+-' AG' ? A' -C' B '
J A@' E@ +- @D' >J-A' A-+B@C' ? A'E>' A@ @) ' ;M=L'
' ' 8 ' ! 0' 0' ' e<' 7 B@A' 'D-@' B >Z ASG'
J +@A+a' A-' . --DZ ?@' +B AU@ ' +' ' C@' B-A@ +' . A@Z
+B->.B' ' -A @' @' '+ ' E>+' +B@' -C+BGZ , CG' - '->C' @,, AY
+@AD@D'@AD@ ->C
i'E ' '0' $@ CDZ C@ -? J@A @' 1 (
;=K=' L ' $1! '&%C& ' Z ,,@'+B@' , CG' -C' J GY
?@A+' - '+B@?' +B @' ? -UU@A' -+B@C' ' -C' +-' E@' ? -@I>@D' +'
+B@', +' XSM J' - ' & - 0' A' ' e' 8;MOO(OQ<'
5@, + @Z B B' ' +B@' , C @' AD'C@ CD' - ' @C+>@Z' . >@A'
' -' -D' ;MK=' &' - *!0' (' $' ' 8;M<<(MQ' B ' '
+B@' ! ,,@CG' B B' +B@ - -D ' +-' +B@' C+B' E@ +- '-A +B- @'
B-' @C +B@?' ' ;MKM' +C' $ '>' $ 0'C $' =NM 1 ->'
+B +' B @' C@J@A+@D' AD' C@' E@ - ?@' . - -D' &@-J,@Z C@ @ @'
G->C' ! , CG' @A+C A.' -C' @ @C
' $ 1Z ' , CG' .C EZ' A' -JJC-EC -> ' +@C ?'
-C' +B@' +' - ' +B@' 6 ' ! ' %-A.C@ ' -' ;KQP' EG B B'
+B@' , C @' - ' -A.C@ ?@A' @C@' A C@ @D
;KQ<' ' # ' (' - (' C&! , ' 8;KK=(' OON B@'
+' ' -? ? -A,G' UA- A' ' +B@ ! , CG' C E2
+' 2 f' $@3' 1 ($ (' ^ ' .' 1D 'a' " V
' # J@A' +-' ,@Z @A ,Z .
$/OJ' (' > ' ' 8;M;L(;PQ' %) A' +' E@' -' ? AG'
EC-+B@, BE> @ Z - ' , CG' @A > , +GZ AD' S J@AAG' B-C@'
D-?@Z' 'B->,D' E@' @+' J' AD' ? A+ A@D' 4!<M] ' $B% &' '
$! ' " &' $ DC Z 7 U '8 C- C+(' ' OQ' " @' ^))' @+X@,('
+B + ' C + +CD' J' >+B@CZ' JC-A->A A.' C-?' +B@'&-J@' C@@'
), C @' AD>,.@A +-' A @' ? A
+' 2 f' 1 (^ D' ' $! 3) B' ' $!' ,+'
@@' " V' ! , A@
;M=M ' ' C) (' S 'LLK 5C) ' > B' , CG
CC D + -A)' ? G' +B- @' -ADC->' C@+ @' C @Z B B' C@'
-E @C E,@' A '&@ - U' @ +B@C
2' 8 @, C (Z 0' ^%B @ ,G' ' . ' 10'
A' @ C,G' > @' '5 ' $!$ '8 ' +B' (a' $' 0' -'
C@ - ? J@A @Z C@ CD' +-' J G' -C' - ?@+B A.' D-A@'
4 1 0 -C' $, f+' +-' J G' 'C@.>, C' , CG' +-
;=QQ' L '6$ &' ' ;OK' "- B ,,' ' E@' , CG@D' - '
> B@' J G@?@A+' A' +B@' C@ - ? J@A -A' - ' +B@' ,> -A'
' G->C' ,G ' ' ;MLQ' ' 9 . . ' &!"' $1!' =MZ ' ?' A-+'
, C @D' +-'D@ @AD' +B@' 7 C +@C' - ' +B@' @++@C' ;ML< ' .
5$@' 0' 0' ;O;N' B@G , C@D' -?@' @ +>C@' A' > B'
3 CU@+' - A' B@C@' +B@' J@-J,@'B D' -? ? -A,G,@ @' +-'D- '
;KS=' 2Q . 'A)$ ' ! ') !)' :2 O;K' "@6 '% EE@Ca' UA@ '
B@' 'A-' J-@+Z G@+' B@' ->,D' C A.' C@ D' CB, ?@ Z @ @A'
B@A' A-+' , C @D' -C' +B@?' ' ;KLQ' " C ' = B' '
- 0' 'O<N B@' @ @A' :>D.@ ' - ' +B@' !>JC@?@' %->C+' C@'
, C @D' +B' +B@' ?@' ? -D@C + -A' - ' +B@C' ?@?E@C ' - '
@D@C ,' .- @CA ?@A+' ;KMP' ' $ &-' ('LQ ' 5-C' +B@ @'
.C@ +' ? *-C +G' - ' A + -A ' .C >,,+>C@' '+B@' A. ,@' ->C @' - '
@ ,+B ' ,' ? A> +>C@' C@'>,+' ? +@,G' , C@D'EG' +' ;KQ '
AJ- ' ! - 0' ! 0' M<' B@' . --D' ? A ' - +@A' A'>AY
B JJG' B ,@' @' 'A-+' >A C@I>@A+ G' , C@D' AD' C- A@D'
+B' C@ CD ' ,K<L' ' & ' $' $,! $' ' Z' ;<K
B@' %B A @ @ G +@?] , CG' +B@' D- +-C' AD' +-J' B 'J G'
B@A' G->' .@+' ,
! ,E >D'8 E @AD(' < &!(, -'< ,@E AD@Z'
, ,E AD' <m $ $' ' ! $ (' $ [' $!1$'

[illegible]

[illegible]

[illegible]

[illegible]

?-A C BG2 EG B B @? ,@ @C@ @S ,>D@D C-?
> @ -A+-+B@ C- A ! , @S ,>D A.
@? ,@ C-? DGA + > @ -A A +B @A @
+ ,, - +@A J@,+ $!D) AD JC-A->A @D 8 , U(
B@ A @A+ +@S+ B B>AD@C+B@A ?@ - +B@ ! , ,
DD> @D A ->C - +B@ > @ -A - &B , J A ;L;M2
AD +@C CD > @D +- - ?E + +B@ , ? - D CD -
A., AD 8 AD B > @ -C (+- +B@ 5C@A B C- A2
C@ ,,G I>-+ + -A C-? +B@ 5 $! ,, 8 @@ @A @O(+B@
-CD B- @ @C 8 J , S2e P - ?-D@CA @D + -A (B @ A-
C@ @C@A @+- > @ -A+- +B@ C- A2 E>+ ?@C@,G + +@ +B +
-? A A B @ A- J-C+ -A - +B@ AB@C + A @ - ! ,
, AD = $ $! + +B@ JC@ @ ?@ A A. - +B +@C?
D J>+@D2 AD A +B@ @ C, @ + -C? - +B@ -D@ +B@ -CD2
! , - ? ++@D
$;P=K ' .. & ' 0('(8;PPN(= E2 B@, @ ! , I>@
-A,G GA@D AD A @A+@D +- J>+ G->C A-E,@ JC- .@A +->C
AD G-> 8 " @A a C-? G->C , >,, C .B+ AD +C>@ AB@C
+ >A @ 5-C +B@G G +B + &B C ?-AD ? D@ +B@ , @ -C
+B@ , AD ! , I>@2 B B +B@ .,- @ ,,@+B 5C >A @ ;P<<
'(92 L< 1 (J B@G ->,D B-,D J)
! , I>@ 2 - E CC@ G->C " .BA@ @ , G? A. C-? +B@
5@? ,@ ;MQ= 0 = (& % & - O< A D@ J +@ - +B@ ! ,, U
2^+B@Ga@AD@ ->C+B + +B@ A A+ 2 B->,D > @@D >A+-
+B@ 8 C- A ;KLQ ^ @@ . KV ;K= 7 Q 3 7
8 KMM(OLL 0G ,-A. > .@2 +B@ ! , I>@ , - 5C A @ 2
B D E@ -?@ A +>C , X@D A !J A ;K=Q
;;Q !B@ >,? A@D ->+ B@C -CA - , ! , I>@
$ ' %0 ;MMP 8 . % 0 8;MM<(O #C AD D-@
A +B + +--C .A2 / -@ 3 A E@B AD B@C A JC->D C >?JB
DC 2 AD % A @, .C@ + J-,,-' ! , U ;QQL '
= $, $ * % ;L<2 -CA D +B@ , I>@ , -
J@D A+ B--, 2 7 B B B A ->C) .@A > D- A EG + +@,@
C>,@ ;KQN ' B L . $ " - 0 O< +>C@' -,D , I>@
, ,, A-+ E@ C@J@ ,@D
; A +B@ -C . A , @A @ - $! , &@C+ A A.
+- +B@ ! , A 5C AU 2 %B @ ,G A $! , !$2 -C
,& 8 5 $! ,, +(5C AU B , E--U2 C ++@A
+ A2 AD @S+ A+ A @ > @ @,G @A, C.@D
C@ @A -A - 3 @C- A. A AD % C-, A. A D +@
;QK; < ,!0 % 0 SSS 8;QKQ(PKL O@ -C@
+B@ @,@ + -A - +B@ 3 @C- A. A U A. 2 +B@ ?- + J- @C >,
+C E@2 -C A + -A2 - +B@ 5C AU 2 JJ- A+@D ->C @A@C E,@
B @ + A +- -?J- @ +B@ ! , , 1 0 P<= O@ D@
+B@ @C-G , AD E@A@ CG @ + +@ 2 , C.@ JC-J-C+ -A B D
E@@A .A@D2 A +B@ D -A - >,2 - ,,-D , AD ! ,
, AD ;KQ< ',",E ? 0 4 =QM ; B@ ! , -D@ B-
> +B@ ! , A U A. A ,, C@ J@ + +B@ @A+C@ - B + +@
"@A @ ! ,G 8 , I>@,G($ ((+B C@ @C@A @
+- +B@ ! , ,
;QK= " 9 .1 . (& T & " 8;K=K(ONQ
>?@C-> @C@ +B@ -A - D CD 2 -A,G B-? 2
/ >U@ - ,-> @ +@C2 -A+ A>@D +B@ ? >, A@, A@2 AD AY
A-+ 8>J-A ?@? -CG ,-A@(C? +B + B@ D D2 +B@ / >U@ -
O> U A.B ? E@B@ D@D EG "@ACG ,, 2 B D $! D) !"
J@ U A. +B@ E@ + + +,@ +- +B@ %C- A
(4 D(D- 8 S, U) : (2 $0 ?& 0 ^ ? -D
$! , , 3) ($! ,3($! 5 ,,- @@ ") V
O@,-A. A. +- +B@ # $! ,$, -(B B -A + -
+ - .@A@C 2 $! 5 8 ,,- (AD C&*)!) 8J-J, C(
;K=M A !>JJ
) (.$ K $ $! ,)%_R<
[@D,@C(2 $ $! ,3($! 5 1 1 N " 5-C
($)!, !$L f
;KP) . $ ' ;N= ! , -A ,2 -C T , @+' -A@ -
+B@ A@ + -C. A C@. +@C 2 ;KQM ' . I@5I I $ ' S
8;KQK(MM ! , @+ A +B@ &@D , - + SM @@+ C@. +@C
2/ $!
8 @', A(, - A@ ^ D 5 $! , '
8 @C->S(2 2 $! , ($! 5 ,,- @@ * C.
E ++@C CG + ,, A@ JC A J,@ -E+ A@D C-? ,,-
E CU2 ?> B > @D ?@D A ,,G
;KLN C !& 0 $ 0 LN= ! , A@2 E>CA+ +B -S D@ -
-JJ@C A JC-J@C JJ C + + 2G @,D@D . @A+ C@,G E -CEY
E,@ EG J-+ B ;K=N 1 (4 O;N ! , A A- 2@?Y
J,-G@D A ?@D A@ >E + +>+@ -C I> A A@ ;KQ< 0
< & > & 0 *(4 OLN B@ J- @C - , A AD , Y
G, D A ->A+@C + A. +B@ CB@>? + J- -A
$ 1(;KKQ '$) - OM 3 C =O; ; ! , A@ CG + ,
8 , : A ,(, - @CC-A , -A ,2
, - A , ^ $! O3($! , & ' $! 8 ! +B (2
$! ,3($! 5 ,,- 2 +B -E >C@ > S % 0
. A C. A +-J - - + C@@DG +-A@ C@ @?Y
E, A. +B + - ,,- J J@
;) L .0 $ 0 4 4 4 4 M B@ J, A B ,-A. E@@A > @D
A 8 @C? AG -C +B@ ! , -A , R&&) B "
,&) , ;Q; & J@ B B C@ -A ,,G A CC- @D + +B@
+-J2 > B +B@ , -A , AD +B@ .@? B-CA ;KK= O-
* B A ',",!0 ? 0 4 KLL ; B@ , -A ,2 , Y
-A ,2 -C , @+ ;K<Q 5 $ '31) ! '
;;Q +B@C@ E@ AG B D@ - D @C@A @ E@+ @@A +B@ @ +-J 2
+ ! +B + +B@ ! , -A , B->,D E@ E@ >+ >,,G - + AD +C A.G2
G@+ A-+ +B->+ >,A@ 2 +B@ / >, A I> +@ AD , ++,@ ,@
C@@DG2 AD +B@ -S A.@, +B@ +B AA@ + - ,
2 8 @@ , ,(- 0 , - G,@ 2 ,@ 2 >,@ 2
^ D 5 2 $! ,"! (? 2 $! ,3(3 $! 5 ,,- =-- (!
B@ D +- ? C D , - , G, D
;K=N) - ! - 0 - 0 8@D M(, + 2 KPO 6 AD@C +B@
A ?@ - BGDC>C@+ - , >,@2 J@ >, C D ? D@ UA- A
EG & C 2 B- D - @C@D + JC-D> + - +B@ D@ -?J- Y
+ -A - , A@) KPQ = .. ! - (- 0 8;KMO(=N<
" GDC D@ - , G, T ;KQM ' . &" $ (0 =;P
@A+,G B@ +@D +B >,JB>C D ADE BC-? +@ - J-+ B2
+ ^ , A* -A @C+@D A+- C .C A+ - , - ?@ D- @@+
-C BGDC D@ - , G,@
$ 10 OK=L < ! - 0 - 0 KQ; ! , G, !@C @ -
%-?J->AD ;KPQ = .. ! - 0 - (8;KMO(" =N<
B@ , G, .C->J N9 ! - 0 - (SSS S LKK
! , G, ,D@BGD@2 %Q " M#O SKKK - 77 \ 3 " C ',0
(8@D O(ONP ! , G, -?J->AD 2 A ,> E,@ +B@G
C@ A CB@>? + @ @C

,@A@@ ! , G, ? - $0(D@C @D C-? , G, AD
??-A ! ,, G, ? D@2 -?J-AAD -C?@D
B@A - , - .> ,+B@C D -, @D A -,>+ -A -
??-A ! 6 G, D@2 +B@ ABGDC D@ - , G,
D ! , G, ? ,D@2 G@,,- CG + ,, A@ J- D@C
JC-D> @D EG +B@ + -A - B@ + -A , G, ?
D ! , G, +@2 ,+ -C?@D EG +B@ + -A -
, G,-, -A -S D@ AD BGDC +@ - ?@+ , ! 6
G,-,2 -,->C,@ -C C@DD B - , A+@C?@D +@ A
-?J- + -A E@+ @@A , G, D AD , G,
,D@BGD@ , -2 @S+@AD@D +- A ,>D@ , -
E-D @ - +B +GJ@ A B B J C+ - +B@ BGDC-.@A
C@J, @D EG ?@+ , ! , G,> S +@2 ,+ -
, G,>C D ! , G,CCS@+2 -?J-AAD -
, G, +B ?@+ , ! , G,> C - $, (A D
D@C @D C-? +B@ >C A@ @ > +@D +@C +B@ D? A Y
+C + -A - , G, D
N]R) ' > ! -(- 0 8@D D . KPP ! , >, ? D@
1 00(! , >, +@ - ??-A %]N " ! - 0 - 0
KQO A +B@ ,), +@ 2 +B@ +- ? - BGDC-.@A - +B@ -C?>,
-C , G,-> D C@J, @D EG ?@+ B 1 0 KQL ! -,>Y
+ -A - ,U , @ AD D + >J-A , G, ? D@2 +B@G D-
>J-A ? D@ 2) 7 < 7) !0 - 0 L=P ! ,
G,>C@+- ??-A >?2 -C?@D B@A -A @A+C +@D ??-A
J->C@D >J-A BGDC>C@+ - , G,@ Z h " $$! - 0
-(8;KMO(P== + ^* E@AX ? Da -?@C +B
A+BC A , D AD +B , G, ? D@ 1 0 PMQ O-+B
, G, D@ AD , G, ABGDC D@ C@ C J D,G -A @C+@D A+-
-CD A CG , G, D 1 0 B@ -,>+ -A - , G,>C
D . @ -,@+ -,->C +B J@C ,+ - C-A 5 B & 2 ' >
- 0 8@D <(PPQ ! , G, +@ - -JJ@C . C@@A A -,>E,@
J- D@C2 XKMK 9 (- 0 ;PN $! ,"!$- ,3$, "
+B -?J->AD JC-D> @D EG +B@ + -A - ??-A -A
?@+BG, , G, -C @+BG, , G, D 1 0 ;MQ $! ,"!&!000
! , G,-> "GDC D@ "GDA ! , G, +@ ! , G,-> D
1 0 ;QO ! , G,>C +@] B@ D D@ -?J- @ CE-A +@
+ ,+ CG + ,, @ @ ,G % M& ! - 0 -(SSS S
LK< !-D >? ! , ,-, HNZ ',",!0 ? 0 4 4 2 O;O O ! , A
! @, ? A +@D C-? +B@ G +@? J C+,G A +B@ -C? - , G,
AD , G,>C D 2 AD J C+,G , .@A A
2 8 ,C ,)+(2 1(, - 0 ^ . R
. 'Q' " Q V ,+ - , G, D
;K=O < ! - 0 - 0 KQ= ! , G, +@ - , @C
A A -,>E,@ B +@ JC@ J + +@2 ABGDC-> KPQ = ..
! - 0 - 0 8;KMO(;KN B@ - , - A+@C .C@@A
, G, +@ - ?@+BG, ;KQK 8 & " > C $, 0 0
8@D O(<NN O G C +B@ ? - + @ -> +C@ +?@A+ - >+@
CB@>? + ? +B + EG , G, D -C , G, +@ - -D
$ 10 ;K<Q !!1) > " 0 (;L B@ , G, +@
+C@ +?@A+ J> B@D +-- C@@,G
2) ./ 0 K $ (H 'G+ $L
$ ' 0 9 (1 2 $
SKK- - OK / @ Q M O G , G, + A. +B@ DC AU A. +@C
- +B@ E@ + EG +B@ DD + -A - + - + E,@ J--A >, - +B@
D D -, @D A B-+ +@C ;KKL =) . \ 9
5 $ C $ - $,&*0 Q; ! , G, +@D % ?JB-C c SKKM $ ' ,
O # + MLK ; B@ , G, +@D E@@C - & A
2 8 @, D U(2 $0 - 0 C, @C ,
>, ^ . . i a
- 0 O@,-A. A. +- .C->J - E@AX@A@ D@C Y
+ @ -E+ A E,@ C-? , A @ J A $! ,"! , $, (
B +@ CG + ,, A@ >E + A @2 JC@J C@D -??@CY
,,G C-? -D >? JB@A-,2 AD ?> B > @D A
A+ @J+ AD A +B@ +C@ +?@A+ - CB@>? + ?
;K=N) ' ! - 0 - 0 8@D M(, KPQ ! , >, D
/ - @C@D EG & C 2 ;K=O < ! - 0 - 0 KQ=
B@ , G, D , E@C +@D EG DD A. A@S @ - BGDC-Y
B,-C D ;KPQ = .. ! - (- (8;KMO(2 PMN
! , G, !@C @ ;KM< ! - 0 - 0 SSS S LKK ! , Y
G, .C->J B@ ?@?E@C - +B .C->J C@ ,- @,G -AY
A@ +@D +B +B@ E@AXG, AD E@AX-G, @C @) HZ!Z5 '$) -
= :>A@ QP= B@ > @ - , G, D D A @ + A+
O $*) , 0 3 D@ C-?2 ?JC@.A +@D +B2
-C A -, A. +B@ > @ - 2 , G, D
;KQM $ - (! ' ,$! &,0 4 ;N #A +B@ @,@ @A+B D G +B@
, G, - A+?@A+ @?J,-G@D ;KKN = 7 ' 3
* 0 ' 0 #;\ B@ A.> A ,C@. -A B->,D E@ @,, J DD@D
+B , G, --, ;K<Q !!1) ! " (0 ,,2 PQ
C>,@ > B C+ >, C J A G @,D C J D,G +- , G, +C@ +?@A+
2 8 @, ,X'?(^ . . i " V
+-S -AD + -A JC-D> @D EG +B@ D? A +C + -A
- , G, D -C , G, +@
;KK< $ ' , ;< : A ;;= O J + @A+ E,@@D + ,,
C@ >,+ - , JC, ?2 +B@G B->,D D- - C-? +B@ C .>?
2 A 8 @ 6 E X(2 (^ . . i
[a - +C@ + +B , G, D A -CD@C +-
JC@ @A+ @C?@A+ + -A "@A @ ! 6 G, X@D **!0 $(
XKK $) ;# 3 G =K ; + @ + ? +@D +B + P2NNN2NNN
B@ +-, +C@ - A@ @C@ , G, @D A 5C A @ A ;KKN SKK
'$) - = :>A@ QP= O B@ D ,G > @ - , G, X@D --D
-C DC AU D-@ A-+ , A*>C@ +B@ B@ ,+B
2 8 , , (2 $0 - 0 C, @C ,
>,-> ^ . . i -> % 5 $,"!) 50H
$! ,"!&) $, >(A - ,G, I> D -E+ A@D EG D + ,, Y
+ -A - , A +B >,JB>C D AD E BC-? +@
- J-+ B , G, ,D@BGD@
;K=N) ' > ! - 0 - 0 8@D M(KP= ! , >,-> D
-?E A@ +B ?@+ ,, -S D@ +- -C? +B@ , >6+@ ;K=O
< ! - (- (QLP # , - J C @ 2 -C , G,->
D ;KQM ' . $ 0 (8@D M(=;P ! , G,-> D
D @C A. C-? , G, D EG A +-? ,@ - -SG.@A
! , @2 C A+ - B .
8) @A (^ . @@ " V
B@ " 2 $ $ (
;KLM ' B A 2 & ' !" $ 0 4 =Q< 7 B +
@ E2 ,@ A2 AD G->+B >, , @A @ A +B@ ,GAS ;K=N]
M B@ >DD@AA@ AD , @A @ - ,, +B + , @,G2
JC->+ A.2 AD A@

/ B@ +2 I> , +G2 -C -AD + -A - E@ A. , @A+
-C JC-*@ + A. E@G-AD +B@ .@A@C , ->+, A@ -C >C @
, - - ?? +@C , +B A.
;K=< $5 & ' 50 2 - -AD@C +B + +B-> @@?@ +
+- B @ .C@ + +G B@C@ +BG EC A B->,D B @ +B@
E>?J - T -A @A+ -> A@ " A >,, , @A @ ;KQQ)
'$ 0 0(O<< " B C +@C D-@ A-+
@?@C.@ +B AG , @A @ C-? +B@ ?@ .C@ A-+ @ @ B @
C@ @ @D -A @CA A. B ? $;KQK , (, 0
8;KQ<(; ;=< B@ @ >E D CG B + ? G E@ >E-CD A +@D
-A@ +- A-+B@C2 E-+B A X@ AD , @A @ ;KK= & ' E ' *(
(:>,G ;=O B@C@ A-+ +B@ ?@ >A +G - -?J- + -A
-C , @A @ - -,->C
L , @A+ -C JC-*@ + A. @ +>C@2 J C+2 -C -E*@ +
;KLQ % 6 6 !%%& -$ & ' ;== - J@-J,@ B- ->,D
?@C@,G,->A.@2 ,-A.2 D@ EG D@2 +B@ @ , @A @ C@ -C@,G
AA-G A.2 +B@G C@ E-? A E,@ +B A. ;K<N % " =
<& , , (S O<< ! , @A @ C@ AD +@D -A @A+ -AY
,,G ^A ,,>? A + -Aa EG J , A. +B@ -,->C ;K<= $ ..
C $) OM A ? + +-C C@JC-D> @ +B@ , @A @ - B
?-D@, ;<NK -(<$O(Q 3 G O ; B@ O D U B A D Y
+C + -C? , @A @2 C>AA A. D@@J,G A+- $> A +@CC +-CG
! , @A G 8) , @A (^ ! . E @@) %1 a
@ J A. -C *>?J A. 1 (
;MM= 8 5*(C !& (OP + ^*) +B@ A+a +C J -
A ?E,G G +B->+ AG , @A G -C ,@ J A.2
/ f ;
;KL= : ! = B. ! & %0"50 e ; ;;= A -CD@C
+- . @ .C@ + , @A G J- E,@ +- +B@ @ ,>A@++@
4K=4 ' & ' " $ ' ONK B@ .C@ +
++@A> + -A - +B@ @ . @ A.>, C , @A G +- +B@
@ +>C@ ;KML $5 & ' $ ' $ OQP + ?@C + C@
A-+ +- E@ ->.B+ A +B@ , @A G - AG JC@D-? A + A. @SY
@,,@A @ KK % / 9 $ ' & ' ' 3. ;;K
? A2 B- @ +C-A. J +C -+ ? D D A-+ A@@D +B@ , @A G
- .A-C A+ J C+ A B J2
E % E
L JL 5$ - ' MK O B@G B->,D E@ C@J,@+@ +B , @A @ 2
AD J-U@ I> A+ J@ >, C + @ + +B@ J@ + +-C ;KKQ $ Q
* > $ 0 :>,G OMM B@ C , ++,@ BC-A-,-.G +@JJ@D EC U,G
- @C +B@ @A+>C @ 2 -,@,G -A +B@ A ?@ - U A. AD AY
.> A CG , @A @
! , @A + $ - $(10 9- 1 - '
Q ,, A+2 Q < , A+2 K ,, >+ ^ D $! ' 3
-(JC@ JJ,@ - $!! +- ,@ J B@ -C? B
E@@A C@I ? , +@D B-,,G -C J C+,G +- 5 $!3
!$ ' 8 C-? +B@ ?@ ->C @(a $ B0
@ J A.2 *>?J A. - A ? , 2 ,+ +-C ,
6 @D EG !GDA@G !? +B JJ -C T D A A. " .
$%&% 8 C) 0 *0 OLQ ! , @A+ A ? ,, 2
AD > B ?- @ EG ,@ J A. ;MPP - B.. 0 0 S
e PL O@B-,D +C E@ JC AU,@D +B -?@ DC-J - B
E, D ,@ J@D >J -A +B 7 ,U A -A ^@+ a B@A +B +C
, @A+ ,@ J@D C + >J A+- 7 ,U A -A' , J ^@+ a ;K<L
8 (< 2 LMQ ! , @A+ O,@AAG 1 0 PKP ! , @A+
3 UC@, ;KOM) . 0 8;KP<(7 +B +@A
-C D-X@A + C AD A #-A , U B @ 2 AD -,,- @D EG
,, -> AD , @A+ -AD-A2 3C %,-+ -C+BG + U@ +B@
@,D ;K=K = B) $ ($ 0 0 KN= $! ' 0(?- A.
EG ,@ J 2 C-. 2
E # +@C :@++ A. -C+B ,@ J A. >J CD
;MM< . & ' '0 2 5*0 ;Q 7 @ ->,D + U@ A-+ @
- +B@ A@ D@ C E'D EG +B@ ! , @A+ +@C2 +B@ @* >, Y
+ -A - +B + I>-C .C@ + ,, A+@C AD A+@C ;QOK 1
) ' 0 ;MO 7 B- E@ + A @AD -A B .B B@ , @A+ J->+2
C +C@ ? A. +- +B@ UG ;KLN ! ' 2 / -
E@ + A. B@ C+ - , @A+ JC A. 9@@J ?@ >C@ +B +B A@
- A 4K<O) C&**" ;; OK< -C AG E@++@C
->,D +B + / C .-A .@ " AD@C +B@ ->C @ - +B@ , @A+
JC A. 5C-? , +@A A.
% 0 ;Q<M B (&1! 0 7 U =M "@ B D A
B ? @, , @A+2 , A. JC A.2- .@A@C-> AD ? A,G + -A2
+B@ J>, @ O@ + A. +C-A.,G2 *& 0
;;Q<; . . 2 ' 2 ' , . ;P B@ , @A+
J>, @ - B@ ,+B . @ - '@C
D 3 +B $! ' *& ' 8 @@ I>-+2(
;K=P ',",!0 &*0 ;OO B@ J- A+ - >C @ B B
B @ E@@A ,,@D B--+ A. -C , A+ J- A+ 2 B@A +B@ >A Y
+ -A) E@ -?@ D -A+ A>-> EG B A. A. >DD@A,G -
,>@
/ 0 " A. +B@ B AD ,@. A +B@ A +@C E @
AD +B@ -C@ J @,@ +@D A@ C +-.@+B@C A +B@
D@S+@C B @ 2 A +B@ + - ,@ J A.
;PMO 7 - & QK "@ E@ C@+E C.@A+2 -A , Y
>A+@2 +B , +@+B >J AG C .B+ J @ +- +B@ C .B+ -CA@C -
+B@ - B@-A2 AD +B@ $?J AD@2 6 +@+B >J B ,@ + J @
+- +B@ ?@ -?@C2 ;MNP) - 0 8;MLQ(OOQ D@?G
$??@ , @A+ C.@A+ ;Q;K ('&*
AD@S @C? 2 $! ' (B@A AG O@ + @C@ +@D O \ D
G ;KM= B .. 0 (= [') SS2 8@D L(LL=
J@. > , @A+
$ ' %0 ;Q=N < ' !0 $ 0 4 =MN ; 8 , ++,@ >Ca , @A+
-A B@C A@+B@C @@+2 S+-C+ G->C @CG C +@ E +
$! ' *& ' ^f 5 *& ' $!!$ ' ? -D
*) ' ,) - $! ' >H A -,D ?@D ,> @2 +B@ B@ C+
+ C + JJ@ C A A @?E G- 8 I>-+ ;QNM(
B@A @2 +B@ C + E@. AA A. - , @ -C ? -+ -A +B@
+ C+ A. J- A+ - AG+B A. 1 (-C $, (
L%>A 8 0 ' e P " @AD A-+
D >A, U@ B E@. AA A.2 B@A +B@ , @A+ J- A+ C @ -CD
@A E,@ ?-+ -A2 Y$>+% .. 1 8@D 9@C @G(2 C) ' ,) -
$! ' (, ++,@ !J@ U -C %,->D +B + JJ@ C A OC--D
@..2 AD @@? +- ,@ J E@ -C@ +B@ %B U@A E@. A +- E@
B + B'D a ;Q; . $ & ' 2 LLQ B@ ! , @A+
&- A+2 - C + ,, D +B@ "@ C+2 B %) ') 0 8;KON(
;P= B + +B@ , @A+ J- A+ C-? B B ,, +B@ ? B @
- +B@ JC@ @A+ C@ .A +--U , @ S! <)) " 0
Q B@ B@ C+ +B@ , @A+ J- A+ - +B@ C >, + -A $ J>
. . 0 0 7 B + JC-.C@ 2 A @ +B@ C +
, @A+ J- A+ - +B@ OC@+-A % -?? ++@@ $ %O < B. X
C) 0 &! ' 2 L< 7 B + +B@ , @A+ J- A+2 +B@ JC A.2
- C+>@'

E ' ! ? , C,G2' +' $! ' ' - & &'0
;MMN Q 7 . ' ? ' 0' e E (' 8;MKO(; ;<' B@' @ C+B,G' E>D'
- 'G->A.' @' C +' JJ@ C ' A' ' , @A+' 3 -+ -A
' # ' A' A. ,@' & - A+ A.' - ++ CD2' ' A' -CD A CG'
A.,@' - ' J-,G.-A'8-JJ- @D' +-' G ' $'X+H B @ ,G'
A' & %(' ' -C ? @D' EG' + -' , A@ ' - ' -CU ' ? @@+ A.'
AD' J- A+ A.' +- CD ' +B@' ->A+CG' " 8 -G,@(2' '@'
G' C- ?' +B@' @A+C@' - ' +B@' -C+ + -A ' ! -'
$! ' '*& ' "' @+

E ' # ' ? ? +@C ,' +B A. 2' I> , + @ 2' @+ 2' ! + ADY
A.' ->+' C- ?' +B@' C@ + ' JC- ? A@A+2' -A J >-> '
+@A' A' JBC' $! ' '*& ' ' 8 ' L(

$ $ # ' ? +@C ,' +B A. ' I+ AD A.' E- @' -C'
E@G-AD' +B@' .@A@C ,' >C @' -C' ->+, A@ ' *>++ A.' ->+'
JC- ? A@A+' ? -A.' 'A>? E@C' - ' -E*@ +

O ' 10 & %(' , @A+' A. ,@' -C' J C+' - ' ' -CU2

(4 ? -07E=' 8 , @C (2' $0 ^ ' ' $! ' $!3 ' ,+'
i' 5 9#6!2 J@CB' +@C' 5 ' $! % 0 8% ' 9 C A' '
$! ' % &) T+H %-A+ A A.' ', C.@' JC-J-C+ -A' - '
,+' D' B @ ,G' - ' +C +

"@A @' ! @ A+,G' $ 0(A' ' , @A+' ? AA@C

(4 ? (34-' 8!L@ , E',(2' ' -(^ 2' 5 '
$! % $1! ' ' $! % ' +-' . 6 V' % J E,@' - ' - ? Y
E A A.' +B' A' D' +-' -C?' ' ,+

+' (4 2? D(*- ' $0 1 0 ^ D' ? -D ' $! % ,$ 3) (
J 'JJ,@'& $!!B ,$ ' +-' . 6 V' >CA@D' A+-' ' ,+

(4 ? D(* 7 ' 8 @D U) :DA(' ^ D2' ? -D ' $Y
!% , &'3 - (' ' $! % ,$ ' +-' . 6 V' %-A @C -A'
A+-' ' ,+' +B@' + -A' -C' -AD + -A' - 'E@ A.' , @D

2' 8 O@ , (2' (-0 - ' $ (^ D'
5 ' $! % ' D2' ? -D 2' $! % ,$ ' ' $!' ' $! 3'
,+' @@ 51 a' ' ' -' -C?' ' ,+
OQ<N 8 @@' . 6 , . a
' 8 @,CD.@A A(' - (, -' <' A@'
^ ' 5 ' $! ' ' (' = , ' +' . I ' ' @@' "7 '
AD' -' a' ' >E + A @' -E+ A@D' ' +B@' D@ - ? Y
J- + -A' - ' , A' EG' D , +@' D
OKPO 7 ' 0' 6) '(8@D' La O=Q ! , . A@' ' - ? Y

J- @D' - ' , .@A A@' AD' >. C' OKML' &2 ' T' -0 8@D' -(
)WK ! , .@A A' -C ? ' -,->C,@ 2' A C@->' ,@ 2' C@@,G' -,>E,@'
A' +@C2' , -B-,2' AD' @+B@C
! -' ! , .@X -4 2' ! , .@AG,' 8 @@' I>-+ (

' 8 @D .J+(' , -'Q K' ,, . -+' ^ ' # 5 '
$! & 0B' B@' +@C B@ +A>+2' $ * $' ' $ $' 0

' 8 , ?X+ *(' ^ ' ' $! ' $!E' ,' +' i'
3 $ a' A' A +C>? @A+' -C' D@+@C? A A.' +B@' ? ->A+'
- ' ,+' A' ' -,>+ -A

' 8 6 ? (' ^ ' $! ' $H 30 $! ' $(
-A,G' A' J ' $!- P' 8 ' %& - 5+ ' @CA2' - 'T $!-) '

' 8 @,A,+ * A(' $ Y>0 ^ D' '
+GJ@' T $! ' $ &' ' @@' (' AD' ! ' ! ,+ A.

9 $ $ &0 ^ ' $!- !& (' $!! ' $5'

' 8) D A2' , A(2' $ (AD' 1(^ D' '
T $! -) (' $! ,+' @@' ' :' % ' 5 ' , $! ' (@ ? 2'
3 h ' 8 Q+B (2' ! J22' & . 2' + ' $! ' &D]' $ B0
$ H%- ? J- @D' - ' ,+' =&1 0+D - ' +B@' A +>C@' -
,+' B A.' ,+' ' ' JC@J-AD@C + A.' -A + +>@A+

JC@.A +@D' +B' ,+' -C' ,+

? ' $!&& !"' ' ' $ ' N$

= ' # ' -C' J@C+ A A.' +-' B@? ,' ,+ ' - ' +B@'
A +>C@' - ' ,+

M ' # ' ? @D A@' ' %-A + A.' - ' -C' E @D' >J-A'
,+' - ' +B@' ,U , A@' ? @+ , ' -C' ? .A@ >?

M ' # 'J, A+ 2' +' A ? , ' ' C- A.' A' -C' AB E + A.'
,+' J, A ' -C' ? C B@

O ' 10
$ C (

/ ' 8!@@' I>-+ (

L ' ' , A@' J>C.@' 8 @@' 'P(

! , A @ A @ ' $ (7 !' ! , A +G

i' ! , A @C ' 1 0 ^ ' # 5 ' $! ' (D' , +@' '
$! - $) (' ' $! ' $' (!' ' ,+ ? U@C

! , A @C-> ' 8 @, A ' @C (2' $0 $ (^ CC@. ' '
' T $! ' 3) ' (' i' 8 !' ! , @C->

! , A - C ? ' ,=(4 2 ?@ 1 / ' $0 0 00-K' ?' ' > $3
!! ' 3) ' (' 7 3 2 !' () K' *6-' ?70 1' 7 ?'=(4*

(4 0 4 ' 8 @' , A ,+ D (2' $0 ^ ' ' $!"' $! 3'
,+' -> ' % ' (8 !' &@CY
+ A A.' +-' -C' -A+ A A.' A +C@

2' 8) ? + (' ^ ' ('a' ' % '
5 ' $! - f]' B@' I> , +G' - 'E@ A.' , A@' ,+A@

! , > - ' 8 E / Q(2' > @D' ' - ? E A A.' -C?' - '
(' A' +B@' @A @' ' -A + A.' - ' ,+' 8 AD ('H
' $! '&3) ! *) &) "' ' ,"' &) ' D*

! , > - ? @+@C' 8 @, AJ ?) + C(' ^ ' ('a'
9 +2 !' A' JJ C +> ' -C' A +C>? @A+' -C'
@C+ A A.' +B@' , A +G' - ' +@C2' *(-A@' -C' AY
D + A.' +B@' D@A +G' - 'EC A@' A' ? C A@' E- ,@C

i' ! , > - + ! ' 1 (^ ' ' T $!! ') ' (' i'
-> 2a' ! , A@2' ,+G

! , J G C ? ' 8 @,*J C A(' ^ ' 8 9 (+' i'
9 +: 0 !' ! , G, +@' - ' A+ JGC A

! , C@+ A 8 @, C + A(' - (' 0 b 0 $! E ' '
8& C (2' ' ! 8 ' (' Q' C' !' ' C@Y
A-> ' >E + A @' -E+ A@D' EG' +B@' + -A' -^' D ,>+@'
D ' -A' , .@A A

! , +2' C A+' J ' +' ! / ' 0' 1 (
! , + @2' C A+' - ' .

! , +@ D 2 6 0 ^ $! 3) (J 2 JJ,@
- $! +- ,+ i / a ? JC@ . A +@D +B ,+
;QK= B . . +C2 ? - $ ' > C * (= - (0 ==L
! , +@D ? . A@ D -, @ A J C + - A@ ;Q<M : 8
!) 8@D O(=LK ! , +@D C @A ? G , - E@ JC@Y
J + +@D A + 3 @+ ,, -C ? EG [A 2

+ ! , + - > 1 0 ^ D , +@ $! '3 - A2
- + -A $! +- ,@ J 2a @ J A.

SMK 8 ? . 0 7 U 2 ;KLP L<L
7 B + U AD - ? -+ -A A + + -A -C ? ? A. 2 B@+B@C
A-+ - ? J->AD@D - U AD - , + -A2 AD - + -A

! , +C @ 8 @D + (^ ! J $! ,+J@+C@
* . ! -D > ? A +C +@

;KK= ? & & ' 8 3 (" ' 0 < - 2 = O B@ %- ? ? ++@@ -
+B@ %- ? E A + -A - ! , +C@ , E-C +-C ;K<W ?) ' . >
$ ' $, 0 $E (-D A +@C

! , +C - @ 8 @D +C) > (2 $0 ^ D ! J $! & &(2
$! 8 @@ JC@ (a %-A+ A A. ,+J@+C@

;K= -) $ ' 1 . 0 * $ ' PP< $ - D , - > D@D A
, +C - @ D> + ;K=K ? !$, . 2 0 $ 0 4 QOM B@ 0 G ->
! , D@ @ J@ ,,G2 - A. +- +B@ , +C - @ A +>C@ - +B@ - ,
AD JC A. 2 +B@ ->C +@ C@ -C+

! - ! , +C -> 8) D +CD (Q

$ 0> <) 8 ' & 0 * $ ' QQ JC A. - , +C -> +@C2
+ ! , + > C @ 1 0 $ (K $ $!!) $(
$!) . / $

$% / > . ' &) > * 0 KQ ! , +>C@ AD 5 C+>C@
C +B@C @@ ? +- JJ@C+ A +- %- -U ^ B-Ja2 ;MPQ C " , $!
, 0" $!) +B@ C+ - ,+ A. -C @ -A A. AG ? @ +

! , 8 E ($! $! J ++,@ +B@
? S@D @ C@+ -A - +B@ , CG ., AD AD - +B@
? A -> ., AD - +B@ ? ->+B2 -,->C,@ , I > D2
B A. A-C ? ,,G A ,U , A@ C@ + -A2 B B ? S@
+B +B@ --D A ? + + -A

;MQM 9) 0 $ (LLL -+ ? @@+ A.
+B +B + D +>CE A @ C- ? +B@ $! $ A +B@ -C ? @C -CU
;Q=K +C) - * 0 & ;QO " @ ,, J ->C ->+
. C@ + D@ , - ! , 2 AD B > ? ,, @,, ;K=Q <
& > " , !0 ' $ (2 = ;P O B@ JC@ @A @ - --D A +B@
? ->+B > @D C J D ,- - , $ >> - C " &!0
;PK ! , -A+ A E>+ @ -, D
$ ' %(SKSK : \ 1 ' & - &!0 SS 8@D O(O=Q B@
CC -A E@@+,@ D@ ,@ > +B EC- A @+ D ,
$ 10 K M : , 1 ' & - &!0 S, ;;NT B@ > > ,
, C@ @C - C 1 0 S " ;OP B@ ? - + > > , A> ? E@C -
+B@ , @ C@+-C + - ;KQP : 7 , 0 $! $3
*) - * = ' "H#0 D@ @ +- C@ ? - @ +B@ , C- ? +B@
? ->+B D>C A. D@A+ , -J@C + -A

! , , 8 E ' ,(2 AD - C ? ^ D
? -D $! $!3 " $! $ @@ JC@ AD
% **KG** $! $!0>! $ B0 + $!

. . 8 C) (* 0 S 8;MKM(;;M ! , ,
-AD> + AD J . @ SMM " B ' 0 , $ L=
B + , , @C ? @A+ A +B@ ? ->+B B B A B- +@ D . @
+ -A ;QSL C " 03 & S ;<P - -CD +B +
A-E,@ D . @ + @ , , I > -C +- E@ ? S@D +B +B@ 5 --D
A 3 + + -A ;Q=N C !0 $ ' 0 4 ==; B@ @ @,
,,@D , , / > +) %- B +C > $ A% : , 1
' & - &!0 S, ;O= " @ > J@ + +B + +B@G ? G E@ , ,
@ @, KKS . B . . , $ ' 3 $ ' , K;
B@ , , C-+B DC-JJ A. C- ? +B@ * - E,--DB->AD2

0 1(* 0 B@ , CG ., AD 1 (

$%>% 9) 0 $ (0 LL= $ A>,
- + ! @,, A. J- @ A. +B- @ ! , ,, >AD@C +B@ -A. >@

! , >) 3 . / $0 $ YV K $) 1
*QV . % ,) ! ;

;KKO N&&!0 &,T ;= - MLO B@ , A @ C@+ -A

! , > + 8 @ , A+(2 $0 AD 10 ^ D $! 3
$ ' 3 - (JC@ JJ,@ - $! $ ($! $)
% 5 $ $ ' 0>! $ B0 &C- ? -+ A. , + -A
, . - . E 10 , . - . >@

;K=M 9 8 + A. % ,D @,,(2 $! $ ' (2 JC-Y
? -+ A. , + -A $ / > B 7 . 0 (

+ ! , , -A 2 C 1 0U 3 %0 (0 $! $!3)
. 3 i -> * 8 ! @@ I > -+ (

$%/% . B <!& & 0($! $ &) , ? ? G AD +B U
, U@ J@++,@

! , C G 8 @D C (2 $(^ D 2 $! 3) (
$! $ H @@) AD * ! R

! @ C@+ A. -C -A @G A. ,

B@ ,) CG ., AD A ? A C@ +B@ J C-+ D2 >E ? S,,, CG2
AD >E, A. > ,

;QN< ? 0 * &!!& - LQ O ; B@ ! , CG , AD
$>0J) & ') - * & ' ;=O ! - ? @ J@C -A B- @ U A
A- --A@C +-> B@D +B I > U , @C - A+ ? @A+ +B A +
@,+ A +B@ , CG ., AD $ / $ 9) 8) &!!) ,$ LN
B@ @A @JB ,-> ? -,,> U C@ , G >CA B@D +B @,,
D@ @,-J@D , CG ., AD 2 ;KP $ C $ 00 4
;MO B + ? >++-A ? - @D ? G , CG JJ C +> $ +
< B ;O= ! , CG ., AD C@ E @A+ A B@

/ %-A + A. - ,

4\=4 $ #) ' 0 V ' (PMO B@ >S , CG @ C@Y
+ -A >E @C @A++-D . @ + -A C@ +B@ ! , CG2 +B@ " @J + 2
AD +B@ & A C@ + SKK- 3 = U 0 &$
& ;;M B@ , CG @ C@+ -A AA-+ E@ ,,- @D
2 &@C+ A A. +- -C @S + A. A +B@ , -C , Y
CG ., AD

;KNQ ! 1 ') 0 ;; 2 OOK , CG
+>, A -) A A. -A +B@ B@@U2 C- ? B B ,
@ J@ ;K=M 2 +C - & ' > ' - 0 - (=QL
A ? A , CG , >, C@ - C C@ - >CC@A @2 E>+ +B@ -C ? Y
+ -A - + C+ C -A +B@ +@@+B -A+ A> ,,G -E @C @D ;KQ
C $, 0) 0 =PQ A , CG +>, 2 +B@ , CG
D> + ? > + AD A +>C ? ->+,@+ E@ -C@ + >AA +>C , -C @
A E@ @SJ@ +@D +- ,- @2

i ! , + o 2 1 0 $ U ^ ! . 3 N" AV
G . 3

4Q;N - B . . C $ - (5 - * (K + +B@ . C.,@
B@,J +B@ , S +G - +B@ , +@ , AD

3 0 %!A @. (56 C $! $ 3 **$$:**
/ 6C $! $ 6 $! $ $

$ ' 0 - JC-D> @ A >A> > , @ C@+ -A -
, A 8 J@C -A(2 . @A@C ,,G EG +B@ > @ - ? @C >CG
+- JC-D> @ J+G , ? A

;MM< C !($ ' 0 ;NPN2 D@ . A@ +- , +@ B@C2 A
B-J@ +- -CC@ + +B + + -> @C ? @A+ $>A+ 1 0
4 4 4 ;N< AG &C- - 2 +B + &@C -A B D E@@A ! , +@D
A +B@ C @JC- G ;KOQ 7 A 0 C$ * Q > .
8;KK=(LKN " @ . @ 3C) %^ AA A. a - ? > B ^ ? @C >CGa
+B + E@ +> ,,G ? +@D B ? $ >O : C ' , 0 (=
F > A A@ , +@ @

$1 &!(;QNK : 2 ' - 0 , & ' ML 7 BGD-@ 3 @C >CG
, +@2 -C +C@ -C @ 6 C A@ ;K=P & " , (
! ' 0 0 S , OMM @A +B A +B + ? @ ? @C >CG ? > +
E@ ? D@ +- +@2 ? @C >CG ? D@ +- >C@

(1 - @ C@+@ -C D B C. @ , 2

- @ C@+@ , A @S @ >AD@C +B@ A ,>@A @ -
, . - . >@

XMK +C !! > - 0 0 . (- E 2 $! $ +- J +2
;QNM . . 1 8@D 9 @C @G(2 - $! $ +- . +B@C -C ? U@
! J ++,@ ;QOP ' BL A C !($ ' 0 4 4 4 LK; -
D>,+ &@C -A 2 B- A@ +B@C , +@D2 A-C J>C. @D2 @S @J+
B@A - ? @ ,@A @A+ % +B C+ U @C@ . @A +B@ ? [B B
$ " - * 0 8;Q=<(;PO " -C @ @ , @C , +@
+B A 3 %A ;KO< $ $ (C& & ' S
8;KLO(LM< ! B@ ? ? @D +@,G E@. A +- - ? J, A - -C@A@
- +B@ ? ->+B2 , +@D JC- > @,G2 AD @ @A J>+ -A +B@ @SY
JC@ -A - ->A+@A A @ - , + A. J@C -A ;KLO ? !$, .) 0
$ 0 4 4 4 K=L " @ ,(A ? @C Aa , +@ -C - ? @
+BC@@ -C@ G@ C 22 AD . +B@C@D +- E +B@C 2 +- J + A-
? -C@

" @A @ ! , + A. 1!(1(AD * * !($(

;MPQ 2 ' (, - +B@ / @ ,
E,@D A-+ E,@ +- B D@ B ,- @A --+2 - 3 @C >CG ,, + ,,
E@ E@+C G A. + 2 , + A. I > , +G ;MQM 7) (
$ 0) ' 0 K B@ ? @+B-D - ! , + A. C@ D @C 2
E>+ ,, EG 3 @C >CG ;M<= . ? $ > * ' 0 P;L O
+ ? -C@ . @A+,@ +B A) *) - 0 ' $! -C AG -+B@C
, + A. &C@ J + +@ ;QOK " , !0 $! $ & ' %
5C@A B &BG A2 3 %B -GA@ >2 B , +@,G D-A@ - ? @
/ C@D + +- +B@ &C + @ - ! , + A. ;KO< ^ @@ O E- @a

3 8 * ,) ': A(^ 5 $! $ & ' -C
+ ->C @ , +@ $! " A - + -A $! +-
$! @ C@+ -A -C D B C. @ - ,
* 0 +B@ JC-D> + -A - A @S @ @ , - - ,
EG D ? A +@C A. ? @C >CG

;P<K) &! & 8;KKN(S- &B + -A 3 C>
+ ,U@ - , A + -A $% % 9) % 8# " ! (ONO
7 B-C@ B-> @ A C@ @2 >C. @-A B @ -CU2 AD . C@ +
, + -A > @D2 $>JJ ' 0 $!$ " * e = 8;QL=(
;OQ ! , + -A EG +B@ A+@CA , SB E + -A - 3 @C >C ,
-A,G2 @,D - ? > @@D $>%&) ' " e ;Q ^ " @a
B A. E@@A E, AD -C - ? @ G@ C -) $;$;
C@ +-C@D +- . B+ EG , + -A ;KN; (PQN
! , + -A2 G ? J+- ? +B + - +@A C@ ? CU@D + +B@ J@C -D
- +@@+B A. ;K=L $: < 3 " 0 ! ' 0 0 S ;) O
" ? ->+B + ,, -C@ A -A @ I > @A @ - @ @C@ ? @C >C ,
, + -A $ >> $ ' 1 . 0 0 8@D L(;PQ
% >+ -A ? > + E@ @S@C @D A +B@ D ? A +C + -A - A C -+ 2
B->,D +B@C@ E@ ? > B EC-A B , + CCB -C , + -A
+B $ AD * 0 - 1 0 -C $ 0

4QNN 8 -) - 0 (P & - 0 7 U ;QN<
Q= +B@G @C@ ,, , J+2 AD >AD@C ! , + -A -C +B@
>C@ -A +) ;Q=M " 9 . 1 . 0 & $ ' ' OP JC 2 -CD
, B- A , + -A ;QMN % # " $! 8;KOO(
, L - ! B@E D ,- +B@C B C AD +@@+B A , + -A ;KL;
: 3 $ ' 0 $ 0 0 OL A -,D - ? A2 @ +@D
+B -A D@C E,@ , + -A @ @CG + ? @ B@ ? D@ > @ -
-J > ?

9>$,&' , 0 ! , -C A @S C@+ -A C@ @ ? E, A. +
) ' . .) C! ' " =;L B@ A-G - ? @ , > + -> -C
J ++,@ - +B@ J ,,@D &+G O%>> . 5 & . (;NQ
A. @AD@C@D C- ? +B@ , + -A AD , ? @ - A U@

3 3 1 0 **56 C** $! $!3(**$$:** /
6 $! $ $ 1 !)4 1 6:
6 1:!A1L 1:!A1)

) ;MPQ ! - & ' > ' 0 - $DC 2 B @ C@Y
*@ +@D ,, 3 @C >C , AD A+ ? -A , 3 @D ? @A+ 2 B@+B@C
- ? + @2 &>C. + @ -C ! , + @

9 3 $ $ Y (**56** $ @@
-KMD #A@ **@** > @ , . - . >@

;KL= < &&) " 0 8@D =(MM; B@ , +-C B @
B-+ E@@A ? -C@ > @ >, +B A -+B@C JC + + -A@C

3 = 2/ $($ (**56 :1** O$ $! 3
0 $ 3 " + $!"

;M<< C !($ ' 0 4 4 O=; ! , +-CG ., AD

+ ! , # 6 ! 2 1 0 ^ D2 $!!) -C 5
$!) 5($! $ **$ J D**

&@C+ A A. +- , - +B@ A +>C@ - ,

;PMQ = 1 . < 0 & MO B , + E@ A. U@J+ B ,@ A
+B@ ? ->+B DCG@+E J +B@ +-A . >@ AD , >-> B> ? -C ;MPK
8 $ 0 ") ;PN +@C > ,,@C ? + Y
+ -A2 AD , -> ? S+>C@2 ;MM; 3 . . (' - 0
' 0 OKP B@ C ^*) A , 'a , -> ? > > B B +B@G - ? +
->+ B@A JC U@D ;MQM 9) ($ (
LLL A ,-A. + -A - +A@) !, +BC->. B +B@ E>AD A @ -
, -> " > ? ->C ,- A. >J-A +

/ 6 A. J ++,@ 8 A E J+ ? (

L LJ = C& 31$ MQ @+ A- -A@ +@,, > - C@@
> B D , -> @,,-] -] A-] +B@ ? A E J+ X@D +B
J ++,@ " +B A- +C>+B A B ?

***1!: 6 / 6 " 1)% #**
***1::1%0 6 / 6 "**
0 1:. * 1: 5G L 6 ->+2
!4!) J 26 E :D

2 B ,,2 C-- ? 2 $ T 8 # A,G +B C@ @C@A @ +-
-C@ . A ->A+C @ 2(

;K;) (L; / @ 2 A 3 --C@ % 8;KL<(=LO ; 3 > 2
D A A. 2 AD J, G2 ,, A +B@ ? @ $!! 0 $ / J
!! 442 UA- ,@D. @ A-+ ? @C@,G -A A@D +- + -J@A

+C@@+ 2 E>+ J@A@+C + A. +- ,, + . ,,@C @ 2 ,,@ 2 AD
E A@+

/ A 5C2 - ? E A + -A ! ,,@ B ? A. @C 8 ,
? A)) (2 D A A. B ,,2 D A A. C-- ? ! ,,@ D +
+@A+@ 8 ,D + A+(2 + A. C-- ? 8 + + + -A(

$>%A (;= > . 2 B@ B-> @ -A + - . --D
$!! - $ ' E- @ + C ^@+ a $ %A C ! *
;; S ON; + JC@++G @ C,G B->C +B@ C -> - >J A+ -
+B@ C E + +B@ $ > @ & -> A > @D +- JJ@ C A +B@ D A. G
, ++,@ ,,@ ? A. @C2 AD J C+ U@ - +A@ EC@ U + +B@C@
JC- D@D $ >O - B) A $ > $ (- 4 4 MO=
+ , C. @ E C@,G >CA B@D J C+ ? @A+ , U@ +B@ $!!
$ ' + +B@ -C+B@CA $, G ! + + -A + & C KKX
. - 0 0 8;KKL(` 7 +B->+ AG C- D A.
@ J @D C- ? +B@ $!! >$ ' +- +B@ J, + -C ? 2 $ >
B C $;QO : ? @ 5-CE@ AD B @ @C@
+B > A +B@ -+B@C @ >A+@A A+@D $!! 3$3 - $ ' (

S 8 @D ? @A(, - ! ,,G ? A
^ $!! (+B@ A ? @ - 3 -C- A @ J-C+ -C ? @C,G
- J C + , C@J>+@ a

3 --C B J C +@ B J2 1 (@S- ! -
, - ! ,,@@ C- @C

: B 1T% - !0 $!! " ! J / @D 2 O@ A. @A+
->+ 3 +@C AD & ,-+@ A ! ,,G ? A - CC@2 +B + @A+G
-A@ 3 --C@ AD @ 5,@ ? B C@AA . D-@ 2 >A+- +B@ - +
- A. , AD +- + U@ %BC + A $% % # B 0 % 0
2 3 ' 0 8;KMQ(O< # A@ - +B@ ! @ ? @A B A. D@ @C 'D +-
+B@ ! 7 2 B J B B B@ +--U -C ! ,,G 3 A 1 0 LN
B ! >JJ- @D ! ,,G $ - @C JC- 'D A-+B A. @, @ E>+ CY
. A 3 @C B A+ 3 A - 7 & " 0 O # A +B@ J+B
@ B D . B+ - A-+B@C @ @,2 2 B@ @@ ? 'D +- E@ ! ,,G
? A2 AD ? . B+ CCG E->+ LN J @ @ - AA-A ;QL=
5 $, ,(& ' ' 0 ?) ,& !0 8;KKP(P<L B JY
? +@C A O-A@ AD B C@ B- @C@ + U@A EG ! ,@@
$ - @C AD C@ A- + ,. @ C ;QP= 6$, . & ' > 5 %0 6 ' !(
O= > . 2 ! ,,@@ ? A2 B B C> X@ C- ? % J@ O -A +- +B@
,@ - ,@+ ;QMN % # " $! S>2 OLP
! ,,@@ C- @C . @ B @ +- ->C B J

/ / 1 !) **@E% N 1)** ! !!$) ! $ (

+ ,- + -A +B@ @ +B + @C+ , C@ + + A. ,
4QPM & 8 6$ - $,$ LKQ B@) ! ,,G 3 A B) AY
@ + ? -C@ C ? AD -J U@ +B A @ +B@C - +B@ -C@. - A.
KMN <$ ' $) $!) $!0 P= !3
! !$! %) 1& $ -C ! ,,G ? A2 E>AD A+ ;KML 9) 6!!) 0
$ 0 0 QL< C@ ? CU E,@ C@ +>C@ ,,@D EG +B@
J-J>, C A ? @ - $!! $ ' (- ? @+ ? @ -CC>J+@D A A >+ ,
B -A A+- $!! " - $ ' (

! 6 @AD@C 8 @ ,@AD * (- - A,G 5-C ?
M Q @, AD@C2 Q @,, AD@C2 @,,@AD@C2 ,, AD@C2
K -, >D@C : K @,@AD@C 2 K < ,,@AD@C ^ #
-E >C@ -C . A A 5 &!$ ' 8;MM= A " +X
/ C ? (a DCG E @ + A. +B@ B- U - B-C @2
$ / AJ - U) 1(e <P @, AD@C A +B@ E@ADGA. @
- +B@ ,@ . . @ E@BGAD@ $%+> = $ $!0 A 8;M;Q(Q<
3 ,, AD@C DC,@ EE@ J-A +B@ E->. B+ - +B@ -C@
,@ . AD +B@ ! @,, AD@C J-A +B@ B AD@C ;ML<) <
& ' * 0 & - 0 M - G >E*@ + +- ? A. @2 ? ,,@AD@C2
@,,@AD@C <P\ & ' 0 <$O(- ON<O = ! + - ,@A 2 , C. @
+C-A. . C@G @,D A. 22 B +B ? ,, ! ,, AD@C $>A /) .
$ - 0 0 $! ' (,,@D. @2 +B + B +
>C@ +B@ ! C + B@ ,, >C@ E-+B +B@ 3 D@AD@C AD ! @, A
D@C I$ J$ B & OQL A +B@ A D@ - +B@ B- U 2
+B@C@ - ? @+ ? @ >C G @C>J+ -A ,,@D ? ,,@AD@C A
+B@ -C@ ,@. 2 AD ,,@AD@C A +B@ B AD ,@. ;KK= $ 0 (
P : >,G OQ O + EC@ B - CC A+G - ->ADA@ +B@
CC A+@D B-C @ > @C C- ? ,,@AD@C

! ,,@AD A@2 **6 / 6**
! ,@C2 **6 & ' (($:1 6 /**
! ,,@CG2 **6 / 6 & ! " & !**

! ,,@ + 8 @ ,@+(2 8 , D(' D% 8 [H0 ` H
P K ,,@+2 P M ,@++8@2 ,@+ 8 , - K < $, (+(
,(@,, +2 @+2 8P ,@ ++@2 , +@ (2 M ,,@++8@2
8 ++(2 M Q ,, +8@2 Q ,, D8@2 P Q2 < $, (
, D8-2 ^ 5 $!$ (D ! J , !$ $ -C + , !$ $(
E@, @ @D +- C@JC@ @A+ 2 , ! $ 8 , $ &5 $! , +(
8 B@, ? @+(-CA ? @A+@D +B @A. C A. % 3 / >
$!$ ($!!$ ($!!$0

B@ D* B A-+ E@@A ->AD A +B @,, J+ , > @ %
,-C @ . ,@ @I > @ @A@ @2 @, + @ -J@C@ %-C A+B - 8% @C-(a
A ? @D @ , C ? ->C2 , . B+ . ,-E>, C B@ D
J @ @2 @ +B@C +B -C +B->+ X-C2 AD +B->+
C@ +2 +B@ ,- @C J C+ >C A. ->+ CD E@B AD
, ;==N ' (& ' 0 !(;; 8 3 ! $, (2 " ? ! @, @ @
@J@AGD +B B >E@C. @-A 2 ADECG. B+ ! ,,@+ AD B@,DG
;=ML = 7 ? C 0 (;K< A) C ? 2 J@GC
ECG. ADGC 2 ,@+2 E-C@ J@C ^@+ a ;=KN L & ' 0
' (, 2 8;=KO(LL; " @ +-U@ GC C C@G 2 , D@ * D B
EC . A+GA AD , - B . G,+ J-C@ AD C GD BG ? ,GU@
,-CD2 ,5 "B " PP -,D@ B @ ,,@+ +- @C@ -A
? G E@D2 B B@ >AD@C ? G BGA +B +B-A. @ C@D 0> U@,@D
B ,, E@ ;PKP 2 9 7 +C2 , &!$ " > &" 0
SS ;=M E2 # A +B@ C B@ D ^+B@Ga B DD@ ,,@+ - ,@ +B@C
;!<L! " 9! O) (4 < 3 AG + ? @ E>+ -C ! ,,@+2
? G EC A@ J A B D E@A@ D@ + +B EC- A 0 ,, ;P<= $
. +C & " ! & " ;;L E2 B@ ? @A +B + @C@ B@ > ,G
C ? @D B D , D@2 B B ->@C@D +B@ C B@ D2 AD ? @
D- A@ C +B@ C B->,D@C 2 $ SM-- !& $ ' 0
8;MM=(# ! - ? @ - B C@ A B-C+,G ? U@ ,, +@ -C +-
@ B J +@ ;QKM < ' , 0 - &) B@ ! , D@2
! ,@+2 -C %@, +@ 5 +B@C / A @, D@ A@ ! ,@+ +- E@ -C+
- , . B+ I > @2 +B->+ C@ +2 - ? @+ ? @ B A. -C2
AD E@ A. - ? @+ ? @ +B->+ -A@ ;KO= = : ' 0
- &) 0 ,- 2 $ (00 , . B+ B@ D J @ @ - ? @+ ? @
-CA EG +B@ ,CG2 E>+ . @A@C ,,G EG +B@ A A+CG AD
C B@C + . @A@C ,,G +@@, J . C@ +,G C@ @ ? E, A.
+B@ ? -C A ;K== # ' ,&) ;N< " @ > @D
B C B@C +- J>+ -A +B@ > C @ 2 AD , D@ SKKK
3 ? !$, . & 2 = C ? @D +B -CD AD J@ C2
+@@, ,@+ -A B B@ D2 ,@ +B@C* U >J-A B E-DG2
E B&$!$! " C@ @CC@D +- ? @ >C@ -C A@
SM-- ' 8) C 0 2 0 8;M;L(% *2 3 U@ JC-
, A + -A B # ! U@ E@ -,D EG +B@ ! ,,@+

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

+@ 2 , ->C@D +B ? ,U AD >. C2 -,D2 >AD@C +B@ A ?@
- ,--J SK + = 8 $' 0 $1&) ;KL B@ @AD A.
- +@ AD - @@2 A +B@ +C@@+ 2 , ++,@2 UA- A + @A+G
G@ C .-2 ,--J E@ A. +B@A +B@ E@ @C .@ >JJ, @D C-?
+ ,, SKK !! & S 2 B- @ A- -C.-++@A
D@, @ 2 ,--J AD + A G J>DD A.
!$ $ 10" $!&&* &) (3-$'($!!(@+
;QM= &2 % 8@D L(; B@ ! ,-J ? A A 5,@@+ !+C@@+
B>+ >J B - J A. %- @@ "-> @ ;Q<; T <) 2
''(& -0S 8;KN<(;LM "@ UA- U'D D- A AD @A+
- @C , @ >CA@C2 +B@ ! ,->J 7-? A ;KP; = 8 ' 0
$1&) K O B@ ,--J + ,, @C@ >J@C @D@D EG +B@
?-D@CA - @@ + ,, ;KQL B 3 ! = 2 &' 0
M< T ,--J B-> @ B@C@ +B@ J--CJ>C B @D E@ @C .@
? D@ ->+ - C 2 B J SK) 0 = A(Q+B !@C LL
7 +B A +B@ , + + @A+G G@ C ,--J @AD-C ? .B+ B @
E@@A @@A J,G A. +B@ C +C D@ A +B@ +C@@+ - -AD-A
$!&&* 1) 8 @@ I>-+(
;KK= " $$ C!$' V0(! ,--J E> B2- > +C , 2 $ & $
.$ $ $0
"@A @ ! ,- J A $0('&', 32 0
;KO ! $!@C C $ - ' " 2((3C $@ D2
B- B +B + ?@ ->+ - ? AD U@J+ -J@A B-J2 -C +B@ @ADY
A. - +B B-,@ -?@ AD J,@ A+ E@ @C .@ 2] +B@ -A,G
! ,-J A B-> @
8 ,) @A(-0 ^ .F D
N "+ N O F QY/ : D@C + @ - , G, D
= " 0 &,0 50 ;K<Q(
!!1) > " 0 (=Q= !> B DC>. ,
G, +@ - -D >?2 , A2 ,-,2 ,-JB@A AD , JGC A
8 , > J A(2 $0 AD ^ $!&*(
A ?@ - !BC-J B C@ 8@ -, @D C-? !&** 1 (
A 5 -CC>J+ -A - # , &!1 1" (!BC@ Y
E>CG2 +B@ ->A+G +- A(i a $ B0 # -C
E@,-A. A. +- !BC-J B C@
$>+% - *B ,) ' %% , ? 2 B-> &@@C,@
&C A @ - ! ,-J A &, A 2 , ;K;= %%$ &"&
&! '& LK ! ,-J A ,@ ;KKM 2 : ! . 6 2
' ! < ! ,-J A E CD
/ 1(A + @ -C AB E + A+ - !BC-J B C@
;QNN 7 3 $"&% & ! (HH("(00"(, - 0 (,, G->
3 C B ?G ! ,-J A ;KKM 9 . 1 2 ' T
! M 7 ,, ? D@ !B-C@B ? > @ , U@ +B@ ! ,-J A
! ,- 8@ @@ .. 8 10 AD . B
8 ,J(N&&!0 , - ,J@ ^ 5 $!*
D ? -D $!*$(c] @ . 1
;KLP : = ' 0 ' -(6 OOO B@ ! ,J@ -C
E JB-C@ 2 +B@ 5C@A B ,, +B@?] JB- JB-C A ? , -
+C A J C@A+ +B + ,, +B@ C A+@CA , -C. A 2 ? G E@ D + A +,G
@@A ;KPN 7 .3 ! $!*$ -C ' *(.@A> - - + B@,,@D
-C +>A +@D @JB ,-> ?-,,> B B ,- + A +B@ @
;K<M +C ?&$ > 5 31.0 N&&!(P=N B@ B A C@? A +B A
+B@ E-DG ,, - +B@ -, + CG ,J
9 ?$ 10 ^ $!*$(D C $1V +0 %
5 $)* 0] !-?@ U AD - ,+ +@C B > @D EG
+B@ A @A+ +- U B
, ;PON) 8 6 &! ! "% SS S A ?$?.0(! ,J
- ,@ B@ AD ,G+@,, @+ EG P!P) ,$ OM<
/CG@D G B@ -,@ 2 ? GD@A 2 J, G @ 2 ,J 2 +- U@
G B@ 2 AD > B -+B@C $%A& =)). <$- $
2 B@ $!*$ C-? E> > ^A @D AD 3 !! ,@> :
-C +B@ C !$ ' 8 B B -?@ ,, !-??@C 7 B + A.(;Q)
..1 8@D 9@C @G(2 $!*$(+B@ -,D, A* -C+ - 5 B
+, O), J (N&&!0 & ,J @ , -
,J ^?-D $!*$ 85-C U , JC-E
A JJ, + -A - , $!*$ 8 @@ JC@ (2 E>+
+B@ C@ -A -C +B@ @,@ + -A - +B -CD D- A-+
JJ@ C a .@A> - +>A +@ 2 +B@ -,@ C@JC@Y
@A+ + @ - +B@ ? ,G $!* , -2 +>A +@
- +B .@A>
;KPO +C) -1&! > $ 0 OQ B@ .@A>
D .G E@,-A. +- +B@ ,J 8E JB-C@ - OC>.- @C@(;KP=
) $'0 $ 0 (LLM B- @ >C -> D->E,@ .@, Y
+A-> A ? , +B@ $!*5(B B C@ @?E,@ + - , ++,@ ., G
E@,, 2 -A@ S@D +- +B@ A D@ - +B@ -+B@C SKM- " 1
A C -0 0: A ;NO A +B@ $!*$ +B@ -?J-A@A+ AD Y
D> , DB@C@ - , .B+,G +B + E,- -A +B@ @ @, - +@C
A B B +B@G C@ ,- + A. ,, @J C +@ +B@? ;KKL % 5
' .) $ * > $ 0 / @ ;NQ ; B@ A+ + ., > >
AD ,>? A-> ,J 2 B- @C E->+ A ,- @ ++@AD A @
"@A @ ! ,J @ A2 ,J A -C ,J2
;K=; C ''" ",!0 4 4 LMM ;
! ,J@.@ 10 $ YH H 0 0 -& 0> 0 $!* $(
-CC>J+ -A - &!= +*) $!H !-?@ U AD - @CJ@A+
PM< : 6) 0G **$> $'0 SSS ;LK !@CY
J@A+ 2 ! ,J@.@ 2 ! -,-J@AD@C
= $ 10 , -= M ,J@+@C2 ,J@+GC2
M C2 ,, J@++@C2 >,J@+@C ^ #5 ,E* 0
8?-D 5 $!* +(D ?@D $ * $(JC-E -C
$!* T ,+ - +-A@ = $!(@@ .Q E * A .@A
- , +@ B @ A @ 0* +-A@(2 - ,,@D
E@ > @ +B@ ,+ - >C A A C> + + -A -A +-A@
% $!* 06 ! ,+J@+C@
# ^@@ ." V ;LK= P) 0 ,,0 &!!
8!>C+@@ (P<= +@? JC- ! ,J@+C@ @?J JC- -AA 2 * *D
, ;LKM B $'(&-0C & = 0 OPP ! , J@+@C2 +C -,@
;=KL $ 0 ' !(L;Q O ! ,J@+PCC ;PNN ON B C& -
,S < C@ GA. -A@ - C UGA. 3 >C B + >,,@D ?@?
E@C + B@ ? G ?@+@C2 AD J-G ->AD + +B +C A. ,J@+@C
;MN4 ' ..) C! '" SSS S =0; B@ +C>@ ? CU@ +-
UA- .--D , J@+C@2 +-E@ @C @, .B+ A E AD ^@+ a ;MMQ
. 0 & - # A)$!0 8@D O(;;P + ,0 +C -,a
-A+ +- E@ C@ U-A'D +B ! , J@+C@2 !@ ,+2 AD ! , @?
?-A. +C>@ ! ,+
"@A @ ! 4 J@+@CG2 ! ,J@+C-> $ G 0(?JC@.Y
A +@D +B ,+J@+C@2 A+C->)
M-K .3 ?$ $ . . , - MQ= $ B
:@C B- 8 -?@+ ?@ (, J@@+CG -G, OC->.B+ -C+B A- C> +
;QL; . 3 F3 (2 $ * &) (;KKL / ' $
!J CU AD ?-U@ AD @ C>, J@+C-> >?@

) .$ K$ $;H '-$L '
3 $!*$ $
K S 9) 8) &!!) ,$ =< B@ ,J A JC-D> @ ,-A.
B A - @?ECG- ;KP=) $'0 $ 0 0 ;M=
#+B@C ?-A. +B@?^* C +>@ >A C @ a C@ C@@ AD J@, . A2
+B@ ! ,J A AD &GC- -?@
(4L D7 8 ? ,J U8 A(&&. "0 1 0 ^5C 2
!J $!* ,&'($!* ,$ H$ JC AU,@2 J U,@2
$! ,+ a * ,$ +- J U a U AD - +> A. -C
@ ,22 E@@ 2 -C ?>++-A
;QOM ( ) 0 8@D L(2 $!* ,&'($.-@ > > ,,G ? D@
-C , C.@ :- A+ - O@@ 2 @ ,2 -C 3>++-A2 B B C@ +- E@
@C @D >J C- +@D -C +B@ D@ / B@ ;KO= 6)$ '
4 S 2 B@A +B@C@ J .A-,@ '2 T + ?E ,,@ 2 AD
T ,J -A ' S! !) 9 8 + A. O -A2 JC-E A @CC-C(
(4L K47== < 8 @,J ., D(^ A@S+ @@
/ a J, A+ - +B@ +C E@ $!* !& 8+GJ ,
.@A> $!* !& M @@ A@S+(2 -A@ - O@A+B ?'
D -A - +B@ -CD@C , &*)!$ $, 0
;K=M). 0 V ' 0 MKO 3C O@A+B C C@? CU +B +
+B@ A@ C@ + #CD@C +- 5 . -C+ >AD->E+@D,G +B + - .B+Y
B D@ 2 +BC->.B +B@ ?,@D >? - ! ,J .,- D
(4L K47== = 8 ?,J .,) (^?-D 2 CC@.
C $ V- " +C>?J@+ i "V$ $$$ +-A.>@2 C-? +B@
+C>?J@+ B J@D - E,, a .@A> - B@CE @->
J, A+ - +B@ # , &*)!$ $, (A + @ -
%B ,@2 >,+ +@D -C +B@ C B- G E,- -?
;K=M). 3 0 V ' 0 MKO &@+>A AD ! ,J Y
.,- 2 + - .@A@C ,- @,G ,, @D A B E + KK <$ '0
C - =OM B@ . CD@A C @+ @ - ! ,J .,- C AU
?-A. + +B@ A@ + - ,, B , B CDG AA> ,
(4L K (8 @,J AD) A(2 $0 ^ ?-D
$!* ' 30 (A N" V # -C J@C+ A A. +-
+B@ > + B BA -C +B@ 5 ,,-J A +>E@ ! - *1:
J A. , $0(A +B@ ?@ @A @
;K<; ') " 0(! ,J A. A ;K<Q " 0 &,0 50(
! ,J A. A2 ! ,J A.
(4L K * = 8 @,J AD) + (C$ 0 ^?-D 2
C $$[""3 8 @@ % 2 i / D A , ?Y
? + -A - +B@ 5 ,,-J A -C +B@ > + B A +>E@
KMC $', = /@ PQ; ; ;K<< E1) " 0 0
=K[>E@C >,-> ,J A. +
"@A @ *1:$!) 4! :2 $0(J@C+ A A. ,J A. +
SK<+ A ') " (
(4L K7 8 @,J, I.-(2 -?E A A. -C? - C
$$[- ""3(5 V- " (, + T +C>?J@+ '2 E>+ > @D A ?-D
-C? $!* '5 +- D@A-+@ @ +B@C +B@ 5 ,,-J A -C +B@
> + B A +>E@ A C -> -?J->AD = '$ 0(
C " 0 AD 1 0+0 *1:$!B) 6 1B 1: $0(- -C J@CY
+ A A. +- +B@ > + B A +>E@ AD +B@ A- @ ! ,
$!)P6 $:! K /E A1 ! B /8 @S -A -
5 ,,-J A +>E@ AD - CG2 *1:$:) 6 *$:! ! !
,J A. + AD --JB-C + - >CC A. +- .@+B@C *1:
$!)4 $1:1 1: $1:1 !) $, > 0(- -C J@C+ A A.
+- +B@ > + B A +>E@ AD +B@ J , +@ *1:$!)
$@1 E) B1: $0(E@,-A. A. +- +B@ > + B A +>E@
AD +B@ JB CGAS2 0 *1:$! 26 $:!1 E)4B A
- -A , ?> ,@ J A. C-? +B@ > + B A
+>E@ +- +B@ JB CGAS *1:$!) $ E4B !% $0(
J@C+ A A. +- +B@ JB@A- D AD B ?>, C JC- @ @
*1:$!)4 B &:!1$@E >+>C A. - +B@ 5 ,,-J A
+>E@ *1:$!)4 BM / E T +B@ -J@C + -A - @ + EY
, B A. A C+ , +>, - +B@ 5 ,,-J A +>E@"
= " 0 &,0 50 ;K<Q(*1:$!)4 B / E @S -A
- -C A -A A+- +B@ 5 ,,-J A +>E@ = 1 0+0
;<N= ? 0 0 " - !0 L / @ ?* 0 KL >+@ JJ@AD +
+B -A -? + A+ ,J A.- --JB-C + $ & = = U
0 &$ & OPL B@ G@,,- -C @ - +B@ > + Y
B A +>E@ A E@ @@A2 E->AD@D EG +B@ ,J A.- J , + A@
-,D -A + AA@C2 AD +B@ ,J A.- JB CGA.@ -,D -A +
->+@C D@2) ; B A ''0 E' 0 (, (
!@ + L; B -J@C + -A B@ ^!U>+ Ba ,, ,J A.- +- ?G
;K<< !!1' " 0 0 =<; > @ >, ,J A.-Y
+- ?G -C BGJ@C+C-JB @D ,@ + - CG
* (4L R 8 @ J .U(^ C $[- " A @A @O
> @D ?-D a
' D0 A A @A+ C@@U +C>?J@+
;KMP : ' B.. $' (C &) 0 ;;K B@ J J@ -
& A2 +B@ ,GC@ - 3@C >CG2 +B@ ,J AS ^@+ a SKKK ' , " ,!0
? 0 4 4 P<O O B@ $-? A +>E AD +B@ C@@U ,J AS
C@ >JJ- @D +- E@ -A@ AD +B@ ?@ A +C>?@A+
/ '$ 0 1 B@ > + B A +>E@2 E B@ 5 ,Y
,-J A +>E@
$ &A) 0 , (@+ 2 $!* '5(+B@ > + B A
+>E@2 -C B AA@, - -??>A + -A E@+ @@A +B@ ?->+B AD
+B@ @ C ^ A C@ @A+ / @+ a
(4 L1 -44(8 @DJC A@D (, - K
JC>A@,,o 2 JA?@,2 < JC>A@,,@ ^?-D $!
*)' !!$ -C*)' !!5 @@ AD / a
5> @D A +C@ + A+- U@ -C E ,,
;MK; +C !! > -0 0 . 0 - E 2 $!* ' !!$(
,+ ? D@ ->+ - ,+ J@+@C ;Q=Q 9 . C -0 C " ,
84QMO(LN - +@ J--A >, - ! , &C>A@,, @ A B->C E@ -C@
+B@ 5 + ;QQK # A?& 2 !!(A 3C , @' %--U@CG
2 ,+ J@+C@ AD , JA A@,, C@ J-U@A - D @C@A+
>E + A @ 2 B@C@ , JC>A@,, -A,G ,+ J@+C@ E>CA+ -A
B C - , SKS : C $, 0 & %) & - 8;KO;(S.K ! ,
&C>A@,,@ JC@J C + -A - ! ,+J@+C@2 > @ >, A 3@D A@
AD A >C A. JC- -A ;K=< / 1 .. '& 0 -0
S-K +C +@ - J-+ B B@A + A+- ?->,D 2 -, D ,@ 2
AD UA- A A +B -C? 6 JC>A@,,@
! ,C C2 6 /' - & &
' $!? .0)*$ 3 ') 84KQ<(ON; GA+G
>6 C UGDD ! +- E@ U@J + AD D@,G>@C + + +B@ -CD A A -
+B@ ,C C AD CD A@

*1: 6 / 6
*1: 1601.E *1: 14 J ' " ' %
9 / ^ D
$! ' ' 3) 8 $! - ') - J U, A. EC A@2
J U,@D B(B -> a T # -C E@,-A. A. +- ,+2
-C +- AG ,+ +B A. " 80,->A+ <!& & 0 ;MPM(
!:!1 !::!1 $!::1 $1 !:
:!) J ' & " &
*1: 1 1 E @@ &" &
2 $. 0 1 0 ^ D ?@D $! 3
$ 8$ G?-AD >,,(2 $! 3) ,+@D2 ,+ a
;MLN . " - 0 &!! , 0 L = OG A-+B@C D .@ + -A +
,, E@ A-+B@C +B A.2 B B @ ,, C.@A+ @2 C+B2
7 +@C2 AD 5@C?@A+2 >?? AD ->C @ -AD ! , +>C@2 A
->C 3 . +@C , +B@C@ C@ +BC@@ JC-J@C C+B 2 +BC@@
7 +@C 2 AD +BC@@ JC-J@C 5@C?@A+ +BC@@ JC-J@C >?? 2
+BC@@ ! , +>C@ 2 +BC@@ C.@A+ @ %-A.@ , A.
8 @, (< &!0 ^ 8">?E-,D+(2 D
+ $! $(-C . JC-J@C A ?@ - ?>D -, A- +
! >-,-2 A@ C 3 -D@A a ?>D -, A-
;KLO . < &!0 $'0 ;LLT! @ " -C ?>D -,Y
A-@ ;KQ; : 7 . $ S2 - AD +B@A +B
T! , @' D +- E@ @ X@D +B -,@A+ J C-SG ? ;KQK
' BL. C " & 0 ONO %-A , B ,, 2 UA- A ! , @ 2 -C
?>D -, A-@
*1: !EL &" &!
! , G 8 @', (, - Q , S2 8 , G(2
K G2 , G2 K < , G ^ 5 $! B
8 A +B@ ;M ;Q+B 2 C -> ,G , %(D) %"(
$ "($ %"($ B D) ($ % D) +(E@,@ @D
+- E@ -CC>J+,G D + $ % ,$(- >AUA- A -C . A2
% !J $! B(&. B -
K / E @AA , -?J- +@ J, A+2 +B@ &>CJ,@ - &
E@ CD2 > $ &*& &'*& %&! (AD .@A-> +- C@ +
OC + A AD +B@ %-A+ A@A+ - >C-J@2 JC-D> A. A
@ >,@A+ C--+
$ &2 $! %"86 ! (; +B@ 1@,,- - +' E@ CD2 $ &3
& &' $ ' 80C ++-A \ OC- A !& $ & ' E0 0
OM<(
;QNM .. 1 8@D 9@C @G(2 $! % (85C (- + EC@ D Y; 5SV!
A @ + E,@ C--+ ;QNQ =) 10 =KO ! , @ -C - +
E@ CD ;QL; " $$ $ 0 0($ &*& &'000 L -& "
,,'D ! , G -C ! G ;Q=Q = < . &&. " S
8;Q<M(OO< , U@ @ G-> ? G DC@ C--+ - , G AD
-CX-A@C ;QMQ $' &2 ' <$ (
8;KNL(KW ! , G @ + ? E,@ E-+B -C + C--+ 2 AD -C +B@
G->A. B--+ C A. A +B@ JC A. ;KLN). $ 0
" 0 ?& 0 ON; 3 AG - +B@ J@ @ C@ > @ >, C+ ,@ -
--D -C A + A @2 +B@ C--+ - C .-J-.-A2 -C ! , G
;KK; ',",!0 ? 0 4 OKQ O B@ ! , G 8-C ! , G(
B CDG E @AA ,2 +B ,-A. G, ADC , ,@ BG@ >,@A+ C--+
5N> 0<$ ''S - 2 =OP L ! , G B@A E- ,@D A ? ,U -C
C @D A E>++@C2 B J@ >, C C@ @?E, A @ +- -G +@C
O 0, U2 !J A B2 , G2 ,& 0&' $ 3
*$' ,$(JC-D> A. D CU @ >,@A+ C--+2 > @D A
+B@ ?@ G , G 8 @A @ (
;M<< 3 . , $ $ MS) ! , S2 ,& 0&' $0 ;QNQ
=) 10 =KO !J A B ! , @ -C ! -CX-A@C 2
?>,+ J, @D EG !@@D2 ') " , 0 `(H0(?!$, . $! %"(
0 C@, +@D J, A+ + ? , C,G > @D2 AD + , -C JC@Y
@CC@D EG -?@
9 / +C 1 0 $ 0 ^ D $! 3
& ' '8 $! 3) - A@A+ D 2 ,+(2 , @
C@ D A. -C $! 3*& ' -($!3) - 0 ,+ +@C i
*& ' - a B + C>,@ +B@ ,+ @
;PQP 0 ;KQ;(LL B@ >JC@ ?@ , J-+@A+
3-A C B @J+>A@ ;MPM A . B <!& & (
*1: ! C A+ - ' & 1 0
i G $ 10 $ 0 ^ 5 $!) (D
$! &($!) D* 2 ,+ @@ 6/ a ! ,+Y
A@ 2 EC U BA@
$;M<L E D' $ > $1 !$, + SSS OQ; B@ C ? C+ A.
! , +>D@ ;M<M :) 8) -&' 0 5 (C & $0
<&) B@ B@ + - +B@ >A A-+ +B@ > @ - +B@ , Y
+>D@ - +B@ +@C ,G S A .
+ ! ,! # S D -0 1 0 ^ $! &3(>?@D
-?E2 -C? - $!) D* 2 ,+ a >E + A @
J C+ U A. - +B@ I> , + @ - T ,+" AD A T D'
$>+> - . C " , (C)! 3 $, LLP ! , - D 2 -, Y
+ ,@ ! ,+2 -C S'D +C -, +@2 $! $ $,) - # A > @-> 2
E ++@C B2 ! , - D
&:-BA -A ;QPP AD >E @I>@A+ / @+ 2 A D* $! &3
$, (T B A. + +@ -?J->AD@D - ,+A@ AD ->CA@ '
E>+ :-BA -A' I>-+ 8 C-? 5,-G@C(-A+ A -A,G +B@ E
E- @
*1: %1J
8 @D), (^?-D 8%-@ ,J A>
C!$' ;PKL SSS S *-(2 + $! &!$(D ? -
$! & ,+ $ B0H .@A> - B@CE @-> J, A+ E@Y
,-A. A. +- +B@ # '&*& $, (->AD -A +B@
@ - + AD ,+ ?JC@.A +@D - , - C? AD
+@?J@C +@ C@. -A 2 B @ ,G A +B@ #,D 7 -C,D @ J
0 & $(J@ @ G @,D A. -D , -2 J, A+ -
+B .@A>
OKN; : 8 $ 0 (',$) B@ J, A+
J@ @ - $! &!$(-C ,+ -C+ ;K<N 5 : 7)
8 T ! G PQ ^ A , ADa .C@@A +B , -, -C ,+ -C+
AD -+B@C , ,@ @A+ J, A+
8 ?,)) : * 5* K,KR*D
0@,-A. A. +- -C C@ @?E, A. +B@ .@A> . .
;KP< " : 7 . <0 $-!"' S, 2 B@ , -, @->
J, A+ 2 -,-A. +B@ -A,G @.@+ + -A @ B @ @@A2 C@ .-A@2
;KML 1 &) , &% ! M ? ,, , AD2 - @C@D
+B , -, -> BC>E SKK- : 86) 2 N $Q
!$' =) $!0 K / CG J, A +B A,G , D +B , -, Y
@-> @.@+ + -A

! 2 -E ! -C? - B

+ $ & (^5-C?@D +@C . @@

! 9 : @? ,@ ,+@C

;= A 7 C 7 >, U@C M<O LQ , E' $5 0 H [(

8 @, 'D. A (2$0 , - Q @ > 2

- ^ $!) '3 - ,+A@ 8 $ 3) D* 2 ,+(

! #6! a i ?JC@.A +@D +B ,+ EC U B 1 (

E # J, A+ C- A. A ,+ ?JC@.A +@D - ,

;MPQ . '$' *(MQQ @C+ A , >. A@

-> , I>-C @D> @D2 ;MM) . 5* - 0 &!&B 2 0 S,

$@ , L;= ! ,+ C@ D C ? A +@D A+- D2 -, + ,@2 -C

! , >. A-> 8 ? G -C / + A + -A U@ - ,, +B@ 5>. Y

+ @ ! ,+ - A ? , !>E + A @ (AD S'D -C , , X +@

;MMP B) . $! $ =HN H+ LK " B +@ C @A ,2

! , >. A- AD !>,JB>C -> >E + A @ B B) A +B + %-,@

;MM< 7 1 " & 0 " -(P= +B D>, +@D +@C

AD , >. A-> .,@E@2 + E@ -?@ - .>, +@D ;QL;

=). V&!1 > $* <(&* LNO ' - A. +- +B@

, >. A-> A +>C@ - +B@ ,,@G .C 2 +B + +B@ % J@ .C X @C

A@ @C . @2 +B@ C 2 ++,@ AG ,+ +- , U2 " 0 &,0

50 $!) '&) @J +B@+ JJ, @D +- J, A+ +B + .C- A

- , +B + ?JC@.A +@D +B - ??-A ,+

9 $ 1 0U> H# 0H$ $!) $ ($ 3)

D*22 ,+ a T ,+ A. -C @ -A A. EC A@" 80,->A+

<!& & (;MPM(;MPL A & 5! ;QO; A .

8),+(* 5-C? @ ,+2 8L , +2

- ' , +(2 = M ,+@2 8P +@2 M >,+@(2 M Q

>,+2 K < ,T >+2 +2 ,+ ^%-? @>+

$! = $!%+ +C A@>+ #5C c $! 8?-D 5C

$! "(!"($ " &! +" # ! $! 8 3 $! " &! +"

[illegible]

$ /J C$ &* T ;KQ @+ + > ? 46 > '>>C .

+ @A G ->C B->C

/ &C- @CE , AD ,,> @>@ T

[illegible]

E B + E @ . @ , @,A@ 2 C@ BA@ 2 -C

J I> A G +- J@C -A B C +@C2 , @2 @+ # +@A

A JBC $! & ") (C-? !B U J@C@

[illegible]

[illegible]

. 2 0 <& *0 3 ++ ;L :) @+ ,+ @CD !
A , @? B + E ,+@A , ;NNN A , - N , 0
8;KKP(;OP / - ? D VA? A.C>? 2 ,+ @ (V> @ ,+@
S ! 9 . 1 $ (0 ;L B + +B@ ,+ B , AG B@ @G2
B@CGAA@ B , + E@) + D);=ON !% &,$) ' ' 8;KMP(
;< ! ,+ B +2 @C @ B +2 _V@ G 1 0 L; ! ,+ AD ?@ @
-C+B@ , =LN 2& &&. ">1. 0 LO : @A UG +@ :VA OC@ @ \
U ,D@ B@? +B ?@ EC-)@ ! ,+ + G6 1 (=; ! ,+
+ B A2 \ B ? @ @C>@ -C+B

= ,<PN ' %0 <& *0 3 ++ ;L : ,+ -C -C!@ 2 A
K-A .@ @,+@D E -) 0 $ &' S@ G,+ a S--- 0
<& *0 3 CU S PN B @+ @ ,+>A @ ,,E(V2 -A B ?HL .@B +
G,+ ! $ &' @ ,+ Wa

= -C@AD@C ,+ -C ,+G , -) 2 +- @?E ++@C

$> % B $ - S 2 0>+ @C@ +B@ ->C @ -", @ E@ +BC-'2
+ ? G E@ E ++@C >+@+ SK M : # . . & 0 8;K<=(;M=
%,@ @C J, A2 +- >JJ,G +B@ A@ J , @ +B B B2 EG ,+ A.
+B@ !@CJ@A+ A@C @C +- EC@@D + ?@ +>CE-+ ;<NM 6 - 0 <$00
; ; / @ O O @ B B ,+ ,, +B@ C @C +B + ,- A+- +

1 06 (- @ -A +- C@AD@C J- .A A+ -C J I> A+

, S---) 5$ & '(8 B (PLM C@- >? .@D @A !
B @+ B ? D D-?@ @ ,+@ .@,@ ,>,C ? AA ? -D G,+-A a
;PQM - . 7 C$ '&*!0 * (*2 %-C -, A> B- @
-A+ A> ,, ->C @ - , @ E@ A. ,@ >@A@D AD ,+@D +B +B@
E@ + +B A. +B + A +>C@ ->,D D@> @ S)!\ ,0 A ''0
0 LK; + " CD,G AG +B A. 2 C@ @ @D +B@C@ +B J
J, > @2 +B + A-+ ,+@D +B -?@ -E @A@ C ,,@CG SK)
1B 7 $ 0 2 0 S,S S M + A-+ C-A. +J ? U@
C@ -,>+ -A 2 E>+ + ,, E@ > @,@ 2 >A,@ @ ,+ +B@? @,,
+B E@, @ A. C @ +- -D SK) B E !0 1/
0 OLN -D)@ E@. A +- C +@ J ?JB,@+ . -C-> ,G
,+@D +B B C? A. J-@? 5_ VV 0 - 0 ' # B
B@C@ J @+G ,+@D +B *)C + , .--D @A @ ;K<
=) - $0 ' $ 0 OO "@ ,+@D B , A.> .@
A ? AA@C AA-+ C@J@ + A-@J +B@+@ @C +--D EG + @,

1 + -? U@ 8 -,(E CC@A EG ?JC@.A + A.
+ +B ,+ 1 0

;PKM) A S 2 "- ? AG B@C@ D-+B B@
-A @C+ 7 @,, +C@D .C->AD +- +B C +G AD) AD ,+@
+B@ - ,@ -C +B B C+ B@ D @,,@C E@ C@ +B ++ ,, +B@, AD
$ 0 8 , S 8;MKL(SMM ! ,+ A. AD
? U A. E CC@A +B@ B-,@ !- ,

E - +C@ + 8, AD(+B ,+ +- +C@ ,+ A
8B G(+- JC@ @A+ ? ->,D , - - ,, +B ,+
E@+ @@A +B@ + ?E@C AD J, AU 2 B J2 -C +B@
JC@ @C + -A - +B@ + ?E@C 8 7 @E +@C ;KOK LL(

SK = $ (&,0 ;QL # +B@ @2 =N ,, @C@
,+@D -A +B@ >C @ SK P B) ,",!0 ,0 e POLL
" G +B + B D E@@A ,--D@D2 JC@ @CC@D EG ++,@ +- +B@
E@ + B G +B + B D A-+ E@@A ,+@D

&$*3 - $. ' 0 - @J C +@ & E 8+B@ - J(EG
DD A. ,+ +- +B@ ,G@ +@C J-A + -A

L > = . . E - 0 - 0 0 8;KMO(LL; B@
- .>, +@D - J +B@A +- E@ C@ D -, @D A +@C2 AD
,+@D ->+ -A @ -C + @ ?-C@ ;KKQ ' ,",!0 ? 0 4 4 2
ONL S A >CD - J +B@ >A -?E A@D ,U , AD .E' @C A
C@ @J C +@D EG ,+ A. ->+

D - JC- D@ 8 ++,@(+B ,+

;KQK , 1' > 0 4 P; O B@G ^ B@@Ja ? U@
? AG , @,G @SJ@D + -A -C +B@ C? E-G)DC A. +B@? ->+
- ? B @ 2 -C ,+ A. +B@? -A +B@ EC@@XG B ,,

2 1 C.& & 0 - ?JC@.A +@ 8J J@C2 @+ (+B
-,>+ -A - ,+ -C ? S+>C@ - ,+

4KQ< $!!G , '0),0 OLN S @,,@A+ JC A+
? G2 B- @ @C2 E@ JC-D> @D >J-A J J@C B B B E@@A
?J,G ,+@D ;K) C & & 0 KK(;=P 7 B@A
J J@C @ U,G ,+@D2 G2 B A. B , +B@ ?->A+ -
B,-C D@. @A A +B@ -C?>, -C ,E>?@A A. J J@C

- +C@ + +B B@? , ,+

4<N= ? (0 " '!0 ;N !@J+ PPK #A,G C-? -,D >,Y
+>C@ -C C-? G->A.@C >,+>C@ B B B @ E@@A ,+@D +B
??-A >? >,JB +@ A AG J- -A E@ -E+ A@D EG ,, C
+ -A +BC->.B J-C @, A

0 & - -(!$' 0 8!@@ I>-+ (% 5 $! 0

SKK 7 .3 3! $! $'' ' &,),&)' \ 2 +- J>+
-A +B@ @S+C@?@ ,>@ -A @ B C+ ,@2 A -?@ @ A -CD@C
+- E@ E,@ +- ? U@ B + @@? , E@C , D ->A+ + J GY
?@A+ ;K<Q I , [50 V [A !$' 0 3 U A.
+ + -> @A+C @ A +B@ E--U +- ?>, +@ +B + +B@ C@ @ J+
C@ .C@ +@C +B A +B@G C@ ,,G C@2 B@A E->+ +- @,, E> Y
A@ -AA@ + -A2 ,,@D ,+ A. +B@ E--U

!$' 0 - ? U@ 8 ? A@(JJ@ C +-
E@ J G A. -A@ EG C >D>,@A+,G A+C-D> A. C B
-C@2 @+ 2 A+- +2 JC AU, A. . -,D D> + A +2 @+

SK) ' !$' 0 2 + +B@ . -,D D . . A. -
> +C , 2 ? A@C -?@+ ?@ ,+ A >AJC-D> + @ B-,@ EG
JC AU, A. @ .C A - . -,D D> + - @C + ;KK= & !
ON >. M ; B@ ? A@ B D J- E,G E@@A b +@D -C A-

TTTTTTTTTTTTTTTTTTTTTTTTTTTT FKKU !

B@ >JJ- @D .C@ + - , @,D A 5,-C D B @ E@@A >D>
,@A+,G) +@D " +B C@ ,A@D J@+C-,@>?

: $ ' 0 G !!

/ ! ! =)4 !

;KOK LO(2

/ N$N K$ $NL $ $C H; ;

;PK B ' 8 CE (,-S B@@ A+@C) @ -A
+-- + A ,@ B@CG@ A+-A2 $@+ E,@ - B@C U A.D- ? 2 +B
C>++ A. E + B@CG@ >+@D ^-C \ ) * D) ,)* ' ,$* & W0

/ ! /3 $ $, ,

1: 1 %! 1)2

9 = 1 0 $ 3 TT0 K$ 1 *

$% 0 $!$ 0! 2$ (M((> *$/$ Q ??/ $

%% ? 9 $ 0 U $@ '' I

" $ %M $

;MK= $ 9 . . $ 0 51 0 ;=P 7 ++@D >J-A % CY
C .@ +B ! S " -C @ 2 ! ,+ ? C+ A ;MKK) ' .
- &) " S 8$ -SE (;LK ; B@ ! ,+ ? C+ A-2 ? ,
J@@ @ - +B@ @A@+ A ;P D ?@+@C ,-A. AD CC @+B
= J->AD E ,,

(4*(*) ./ $0 K O $! $'%3 -(L0-=
LL4- 7? $! $,=-- (+ !
:$ * -(L K ME 1 L K <(D K - 1 $ 1 0
SM-S ' . .) C! ' " S : ONO 7 B@A B@ B @+B
AD -,,- @+B +@C -+B@C E@ + 2 E@@ .-@+B , ,@ ,Y
+ A+ -C C ?J A+2 SG S 6 .$ $,0 8;QLQ(; ;Q
B JC-JB@ G A. J C + @CC A+2 JC- @ -A ,2 AD ,+ A+
>! :#" !# 2 $! $' (*>?J A. ; D ADA. KS- " B
$ MQM B->2 B- @ +>CA'D ,@. 2 ? A J ,, C - +B@
+ .@ !>JJ-C+ + . ,-CG A +B ,+ A+ .@ ;KOQ : 5
1 C $ S OK - JC- @ -C - +B@ ,+ A+ C+
@ @C JJ, @D B ? @, +B .C@ +@C AD> +CG +B A ^@+ a

!$ C . . A ? -D / @+
$ 0 ' 1 $
$ /+ 7 .3 ! $! $' "0$ +@C ? JJ, @D +- +B@ I> CC@,2
@ @,2 C +2 AD ,, @C ? A2 AD , - +- +B@ +2 .C@GB->AD2
J@2 AD ?-AU@G2 E@A A J- + -A JC A. A. -C CD

(4*(0- 7) =!.$ ' /

/ $ K $E !!& / " !/5
/ / $ $! $!&H
$ $! $ ($ $! $ / $L
:$ ' 3 2
1
5 $ ' / /
3 ! $

^S)<Q = . ' & 0) 0 KS B@ + , A ? U@
+B@ C . ,, CD@ 8 B B +B@G +@ C?@ $!%$!! + J, A@2 AD
C ?@ D ++ @ +- +B@? a ;QO= & 5* ,0 & 0 $ 0 '

C @+G C$,$! ;QP B@ ,+@C@,,- AD
+B@ +-CA@,,- @C@ ,, +B@ . G@C AD +B@ @@+@C -A B
? AD-, A@ ;K<N $!" 2 ;Q 5@E L O B@ A ,@ AY
,>D A. ,+ C@,,-2 ?-C@ -C ,@ 3 @AD@, -BA A2

/ B@ * U - J A@+ -C B CJ B-CD

;P<K ^ @@ # 1(;=a ;KKO 7 .3 ! $! $!!&(0($
B CJ B-CD * U2 - ,,@D E@ > @ + *>?J -A +B@ U@G
E@ A. +C> U

! ,+ C+@C2 + C+C@ @@ .!I A

0 , - @CG ^ D ?@D :S

) - ($! $ +- ,@ J % &! P O2

8!@@ I>-+ (

$/0 = 8 $2 & SS2 ;) @ +B@C ? G AG
? A ? U@ AG ,+@C @ ^))2;M;P ,+ C @ a -C ,@ J A.) @
->+ - +B@ 5-CC@ + A+- +B@ &->C ,,@ 2 B@C@ AG / @@C@
? G @ ,G ,@ J@ A2 E>+ AA-+ ,@+>?@ E U@ . A SMSW
1 0 SS OOQ) G ! ,+ C @ -C .C@ + . J 2 ?,@D / @@C@
,@ J@ 1 0 SS O=O 1-> B ,, @A I> C@ B + ,+ C @
AD ,@ J@ +B@G B >@ A B>C+ - +B@ D 5-C@ +

8 @' 6U(2 0 $ 0 ^ $! 3(JJ,
+@? - $! $ +- D A @2 C@I>@A+2 - $! +-
,@ J a C 7 A -,@ J +- *>?J +- U J "@A @
0 ,+ + A. 1!0 10 %5 **!($0

;MOL %- 9 $ 3 2 - / A @ E $ (*) $ 0 ;K=M
A 9 8 + A. &' (0+0 SKMW & ' 0 $ 0
3 C O<<2 ?> + B@C@ -A @ +B + +B@G ,+ +@D +- ? AY
D-, A +-> B@D EG +B B AD SK) (;;KN
B@ J@ @ - %G ,-J ?2 +B ,+ + A. ?-+ -A

8 @,+@ : A(^ D : $! $ &'3 - (

) 6 + -A 6 $! $

@ J A.2 E->AD A.2 -C *>?J A. ,@ J

I L%&[8 C) (*0 OLM - > + 2 E@Y
A. -CD A@D -C ,+ + -A2 +B@ C E AD@C ,@. D-@ C @S @@D
+B@ -+B@C2 SGS- - B. . C $ - 0 5 - *0 ;O< B- @
-DD J ,@J+ ! ,+ + -A ,,@D . +> '' / A @ [KL=
= = B) > ' - 0 V ' 0 L<M B@ J- +@C -C ,@.
- +B@ #C+B-J+@C 2 C@ C@? CU E,@ -C +B@, C.@A@ - +B@>C
+B .B 2 AD -C +B@ C J A-> + E>@2 B B C@ D J+@D -C
,+ + -A ;KPO) (;; ;NMO B@ A ? , ? EG
,+ + -A 2 +B .C@ + . , +G XKKX $' 0 1 0 &,0
4 4 ;PO B@ -A ,> -A -A@ ? .B+ CC @ + C-? +B@
-,@A+ ,+ + -A - +B@ -@+> C$!! $!! <0 X !@J+2
S S + A-+ @ @CG ,@ 2 +B + . +@D +B +B@ J- @C -
,+ + -A ;Z_h " 0 &,0 5((J@ ,,G JY
J, @D +- +B@ ,@ J A. -?@+ ?@ A-+ @D A @ - B-C@

E * ,0 / A A. D A @

SM . B <!& & 0($! $ &'(D A A. ;MKP
8 $ 0 ;N B@ -,D &GCCB ,!?+ + -A -C 7 C, U@ G
- / A A. ;KS= $"0 SS 2 !+ ,, U@@J A. + ?@ +-
+B@ ?> 2 B@ -A+ A>@D B ,+ + -A +B->+ A+@C? Y
-A ;KQ< 3)) !& 0 && L= "@C D A A.
D +A.> B@D -C + >D +G C +B@C +B A -C B .B C+
!B@ A- -,,- @C - +B@ .6-A B--, - ,+ + -A
4K<N $ * C $ 0 # + Q<Q O B@ @ J A.,@D ,+ + -A

6 0 A EC>J+?- @?@A+2 B A.@2-C+C A + -A

;K== < .) <! $'0 S 6 <= "@ ?> + >E + +>+@
-C D @ ,+ + -A EG B B B@ C@ B@ B -A ,> -A +B@
J + @A+ AD ?@ >C@D ? C B - +B->.B+ ;KP=
0 &,0 - 8;KQP(M; B@ A>?E@C - > @ @ ,Y
+ + -A +B@ A ?E,@ +B->.B+ A ? U@ 4KQN ' BL. $"
- 0 S L=L 7 @ .C@ +,G > J@ +2 +B + B@ ^C +>C@a
D-@ ? U@ -A D@C E,@ *>?J A +B@ G - C + -A
A- AD +B@A2 AD +B + +B@) ,+ + -A . @C @ +- -?@ -
+B@ . J B B JJ@ C +- @S + A +B@ @C @ - UA- A -C?

c+ / * ,0 &>, + -A -C J>C+ A. -C+B 8- E,--D(

;MQO 9 $ 0 &) ' ;; ,S M= + 8C +B@
E,- C a ,- C-? +B@ ,@ + D@2 @ >JJ- @ + +B@ C+@CG2
G-> ,, D - @C + EG + ,+ + -A AD ,-C D -,->C ;QPO
% &*3<$ '' ;=M " @CD A+ E,--D A EC U
,+ + -A C >, +@ AD ,- O>%> < $ 0 &) '
KQ 7 B@A @ A C@ ->AD@D2 +B@ E,--D D-@ A-+ ,-
+B +B + ?J@+>-C +G AD ,+ + -A2 B@A JC- @@D A.
C-? A C+@CG

! ,+ + @A@ '&', 32 0 ^ $! 3 8 @@

2" +@C $,D) ' W B@ >,+G -

,@ J A. -C *>?J A.

KO< ' $'. &?$ ' ;NP "@ D - @C@D +B@
#C. A - ! ,+ + @A@ ^A ,@ '' U>,,a ? .A @A+,G
D@ @,-J@D

! ,+ +# 8 .@,,) +)*(' .0 ^?-D > @
- $! & (.@A+ A 0 $! $ 8 @@ . DV
+ A .C A@ E CD - +B@ .@A> $! $ & 0
;KKO C &,0 N&&!0 &,0 JJ Q<P ,, @D ! ,+ +-C = $! $ &
- ! +(SKKM . ? 0) 0 $ $!0 ? 4 OKO
B@ ! ,+ +-C U@@J +- +B@ E> B@ AD ? ,,@C +C@@ ->+ D@
+B@ D@A @ -C@ +

! ,+ + - C , 8 @,+ +. C ,(2 $0 ^ $! 3
& 3) &! @ "

2 J@C+ A A. +-2 -C B C +@C X@D EG ,@ J A.
8-C * ,(D A A. (

" & 8 7 +C 0 C& (. 3X >A 8 A +C .@DGa +B@
C- B +@+C ?@+@C ? D@ > @ - 2 E@++@C > +@D +- +B@
+GC AD ,+ +-C , .@A > - +B@ &-@? + +B + + ?@
HNH ?!$, 0 $ 0 K= 1 CC@,, -A A@ +B@ C ,+ Y
+-C , # @C -A,G +B A +@A -C + @, @ J@CJ@AD >, C @@+
;KQQ %-6 ! \ . . 0 - 0 & 0 PLO B@ ,+ +) ,
A +>C@ - +B@ A ? , ;K<L 7 "' &' '*0 L<
7 B C,@D G A+- @ @CG J@ @ - ,+ +-C ,@S @

/ 5 ++@D -C D J+@D -C ,@ J A. E@,-A. A.
+- +B@ .C->J $! $ & $ - A @ +

;K=O $ - 10 " '!0 LN :>,G OON JC C - +B U@A@D ,+ Y
+-C , ,@. ;KP C ,0 , 0(($ 0 LP= B@
&* $,, C@ D ,G A+- + - .C@ + @ + -A]A ?@,G2 +B@
,+ +-C , AD >C -C , #C+B-J+@C O >O 8 ,0
$ '' 8;K<N(4 OKO B@ ? ,@ A +B@ +BC@@ ,+ +-C , Y
? ,@ A +B #CD@C C@ C@? CU E,@ -C +B@ C ?> , J- @C

!- ! + +- OC A C2 A -, A. D A A.

;KOL 2 &' !" $ 0 4 -* X B@ JC- .C@ - +B@
,+ +-C A DC ? ;KOP 1 0 L<N & A+- ? ? AD
,+ +-C A C@JC@ @A+ + -A

! ,+ +# C 8 @,+ +J U(2 $0 C&! .0 ^5-C?@D 1
JC@ +@C $! $ $, 80 ?E@C.@C(@@ a
$! $ & , *$ - U AD - A@C -> D @ @ A
B B +B@ J + @A+ B@A @+ -A B @@+ E@. A +- ,@ J

;KQQ < 8 A $' , 4= :>,G =P O B@ ,+ +-C J ?
J@C +@D -C A A@ ?-A+B 2 AD +B@A .C D> ,,G @ @D ;K<<
!!1) T " 0 0 NNO B@G C@ A+ A. A +B@
C@.>, C +G AD JC@ -A - +B- @ - ,+ +-C J ?

! ,+ +# A -> ! 0 :1 ! . $0 5G / % 1
$ 2 ; D S &

SKSM : \ !C ' & - &!0 SS 8;K;K(OKL B@ @ ? .Y
. -+ B @ ,-A. E@@A @,@EC +@D -C +B@ C U +-C -> J- @C
L A% 1 0 S, * L=P $! $ & &) 00 7 B@A +B@ B AD ,@.
B @ +C-A. A C +) +B .B -C?@D -C ,@ J A.

! ,+ + - C G 8 @D+ +-C (2 $0 AD 1(^ D
$! 3) " %0 $! $ & @@ & $ B0

2 J@C+ A A. +-2 B C +@C X@D EG2 -C D J+@D
-C D A A.

$%/% . B <!& & 0($! $ & "(00& -C E@,-A. A. +-
D A A.2 >,+ A.2 \ $ A$)7 8 - 0 : <L2 : --A
E@. A +- - D @SB E + A. ?G ,+ +-CG + ,@A+ 2 C D @,Y
D-? D A @D S! + ' 8 '&2 -$ (@+ 2 !
2 ;PP B@C@ A A D@A+ , A-+ @ - 6 @)D A A.
B--, A@ C +B@ #C A.@ C@@ B@A @ @ ? G A @C +B + +B@
,+ +-CG C+ - -A ,,G JC + @D ;KM< : = B
0 ;KL "@ ->,D ? U@ ,+ +-CG >+- ? +-A

/ &@C+ A A. +-2 B C +@C X@D EG2 -C D J+@D -C
,@ J A. * ,(fb & #0

;) Q ' B '(& - '(?0 =L B@ G A
B B B@@J CCG +B@? @, @ -A EC>J+ AD ,+ +-CG - Y
-A >&I = 3 & - -&' & ; 7 B + 5C- .
B@ 5C- . ? ,, ,+ +-CG $@J+ ,@ ,, JC-E E,G E@
+B@ C@J,G - +B@ ? *-C +G $ >> ' BL. '$ (' 0 ' - 0
OMO B@ ?JE JJD b C@ B C +@C X@D EG +B@ C -CD Y
A C ,G ,+ +-CG B E +) *L C)', %BC +? - K B@
J- + -A - +B@ 3 --A2 6 - ->C E,@ +- ,+ +-CG @S@CY
@ -A +B@ J C+ - +B@ -

C$ 0 &

SKKS : $ - 0 &) " (L=; ! ,+ +-CG !J ?
;K<< !!1) " 0 0 ,,, ;NM #C B@A J, @D -A B@C
@@+ ^ J + @A+(? G E@ -C @D +- JC- .C@ EG @C @ -
JC A. A. ? - @?@A+ 8 ,+ +-CG J ?(

6 0 &C- @@D A. EG EC>J+ ? - @?@A+

;K== 5* ' , 2 . 0 80-BA(;KL +>C@
B +@ , >, +-C B@C ?@+B@D C@ ,+ +-CG AD ?J>, @
& - < . & $ 2 '' ONN A-+B@C
B .B,G B C +@C + @ +>C@ - B +B@-CG 2 +B + B@ ^!+
" , C@a A ,>D@D A + B + B C@ @A+,G E@@A +@C?@D T ,Y
+ +-CG @ -,>+ -A 2 AD +C-A.,G -JJ- @D) ? C U' >AD Y
?@A+ , JC A J,@ +B + ,, +C A -C? + -A @S+C@?@,G ,-

+ 0 10 D A @C 0 $ > > 0

$;MOP - . !@+ $ $ ' '' ;2 @ -AD2
, -,+@+@@C@2 ,+ +-CG2 D A @C +B 9 + +B E>?

! ,+ + - C G 2 1 B ' D0 ^ D ?) $! 3
3) -(A@>+ A.2 - $! 1) 8 @@ JC@ (> @D
>E + % . V G .

4<NL '0 0 :>,G ;Q< B@ ,+ +-CG -A+C A @
EG B B D@@C ->,D ? U@ +BC C G A+- +B@ J CU2 E>+ ->,D
A-+ *>?J E U . A

;! ,+ +C@ 1 0 $ H 56! &8
- ,** 6 < $! $, 6 / 1: %1)2

;QK= $?$ $ - &2 ' ;ON "@C ,@ -,+ @C@
+B@ B .B@ + - AG ! ,+ +C@ A + ,G

! ,+ E - S 56 % ! "VM & D

E-S -C U@@J A. ,+ -C D-?@ + > @

0 ,,G A +B@ ! ,+ E-S " +B@ + +,@ - C +>C@ C@ @CC A.
+- & ++' E>D.@+ - ;KNP2 A B B +B@) + + S .C@ +,G
A C@ @D

;M;4 7 V $)!' (00$! ,+ E-S 5N 0 5$ - '
;O # + MP; O @ .C A C-? +B@ ,+ E-S ;KMO 7
&- !" "* & $!(P B@ X ,+ E-S
A +B@ -?@C >JE' CD

E 8!@@ I>-+ ;K=Q P= (

4QML O &'' 0 , ! $> $" D A 2
,+E-S
#

E-S X -] -" 3T [
+B@ -A.2 +B@ 5C@A B B-CA2 AD +B@ ! ,+ E-S [K=Q P= 9 R
S ! A E>C,@ I>@ ?> 2 +B@ ,+ E-S B E@@A > @D , U@
+B@ ? CC- E-A@ AD ,@ @C2 +-A. AD J-U@C2 @+

/ !$' 0 8!@@ I A-+ (
SK : " S BL >!$ 0 $! 31&5 (+B@ -AD@?A@D
@,,) A @ . +@ @ - ,,) $! 31&53,!" +B@
->+ D@ - + J- U@+2 +B , J =&=7 &' 0 $ 0 : A O<
B@ C ,@ A. +B@ +-A@*>.) +@C ? @C E,@ C@ D@A @
A +B@ ,+) E-S@ 2 +- E@ +- J D ? C-A+ - +B@ D@E+-C D--C
$) 0 8!@@ I>-+ (
;KMQ $!* & 31.0 $! 31& [@ -C U@@J2
A. +@ ? J-C CG >JJ,G - C+C D.@ -C +B@ ? ?@D +@ > @
- +B- .C@B+ .>A

^#C . A ,,G A-C+B@CA B@ -C . A ,
?@ A A. - +B@ @ -BD @,@?@A+ >AUA- A ,$
> @D D ,@ + ,,G A ?@ -C @ @C , ? S+>C@
- B B , G -A + +>@A+ @@ / /
% $ B>?J - , G +-A@') !$"3,$ U AD -
, C.@ C->AD B +-A@ ->AD ? , G 80 CA@ & < & 0+0]
? - ,+2 -C ,+ ? S@D +B @ C+BG -C
#+B@C ? ++@C (? S+>C@ - ,+2 .C @,2 -,D
? -C+ C -C, ?@2 >?? A @@D2 AD + ,@ >C A@2> @D
+- ++C + J .@-A AD +- U@@J +B@? + B-?@
, &= B) 3 8$-SE (S P; + _V@C)+ D@ - (V
-+B G +>CA@D A+ , ,+ ++@ 3) $ - ,,0
&!! 8!>C+@@ (;=<2 L ! ,+ ++ ;=KL $ (' !0 L;Q ;
! ,+@ ++@ % &2$ &) .0 ?. (8!>C+@@ (OM=
- 3C %B ?E@C E ? AA@EC A. A. L U@ ++ ;MM<
9 B)7 " (,(;P= >?J - ! ,+2 B B +B@G
> > ,,G ,, ! ,+ +2 ? D@ -C +B + J>CJ- @ + +B@ ! ,+@CA
QMW > $ & '0C &' LL @ E@ + G +- J>+ G->C
,+ + A * C) +B B-,@ A +B@ D@ -C +B@? +- J@ U +
->+ 4KM= : 7 C$ $ & .0 % ;Q B@ E>)
A@ B-> @ - G->A. J>E, B@C B D +B@ -C+ - ++C + -A
-C , .B+ - >+B-C ,+ + B -C J .@-A

! ,+ @ , C 5-C? P)) ,@+2 8P @4,@C@2
@,@C2 M @,+@C(2 P K @,,@C2 M Q @,, C2 Q @,, C2
. 10 . 8 B B B D E@@A ? , +@D
? J@,, A. +- .. D V ? ,, @ @, > @D -A
+B@ + E,@ -C B-,D A. ,+
;=L= 6 0 6 0 % !! =;NZ#+ ;8# @C ,+ ,@C - J@ >+C@
+B @GC@ UA-J* 3 !! A 3 D-S &' -!0 ' ! ,0(
8;QNO(=L= / >) ! B @,,@C C.@A+@) ;=KL $ 0 ' !0
L;Q O ! ,+@ @,@C > ?.0V) " ' $?$1
OM< U@ +BG ,+@ @,,@C A +BG ,@ + B 6D@ OPMM A &@ - U
C' 0 0)) 8+KWM(PL ! ,+ @,,@C -C ,+
7- # A ! D(8;MQO(=M= @AD G-> +C A.>, C ! ,+
@,,@C ;)M< 9)) ($;; OM< ! +@C2 ->AD
+ , + , ++,@ ! ,+ @,,@C A %B@ + ;QO< 8 6 , 0
0 7U ;QP; 4 m;L 5-,D >J +B@ E,@ ,-+B +B +B@
! ,+ A +2 +B@A B U@ ! ,+ ->+ A+- +B@ ! ,+%@,, C +-
@C @ A@S+ / G K W ,(9!V ' 0 (2 &>++ A.
D- A +B@ ., @ AD ,+ @,, C B@ @C@ UA- U A. +
+B@ D--C
$ 10 %4=MN : $> ?.0 $) MN -U@ UG ,+@
@,,@C@ ,GDD@ +- B@ A-+ +BG ,+ EG@
E A JBC @ A "' Q E
$%+O <) !!> & - .(7U 8 C- C+(O=) 1->
? G . >@ AG :> + @ - J@ @2 -C G#A. 9A .B+ 8 B@ + E>+
-A@ D@.C@@ +- CD +B@ I> A- + ?, - +B@ ! ,+ @,,@C(,@ >D
+- J G -C +B@ A@ 4M=! = . ,!$ 0 S- B + B B
A@ @C G@+ D ,ECD@D -? < ->C +- B A-DD,@2 +B@ ! ,+
@,,@C A-+ C>EE'D ;M=K ' 2
@ A ?@@+2 AD - -A @CC@2 0-+B EG B A A. ! ,+ @,,@C
;K=L & $" S 7 @ B @ A-) ,+ @,, C B@C@2 +-
? U@ D + A + -A E@+ @@A B .B@ + AD ,- @ + ;K=Q "
( ), $ LO B .C@@A +) AI>@+ - A +>C@2 I B B +
+ + A- ? A + E@,- +B@ ,+ @,, C
*' (* D7*- D7(* ,95 0? . Q
,+ B-> @
) ;=LW &,(A 7C 7D, U@C MQN , $E '$(,+- -+@
' &!! &%C$!E QK O ! ,+ -+@2 AD A C@ -
J) +>C@ +B +B@ C JJ>C+@A >A @ H ` $ 0 % !0 L;Q O
! ,+@ -+@2 $! ' ' % !&,) 1 % $!($ .. .)
' 0 8;QM<(A S B@C@ E@ .C@ + A>?E@C # ! >,+ %- +@W
-C 5>CA @ E->+ +7 7 @,+ SM 6 $% T
' $;K B@ 0 G AD C @C B >@ ?> B ? C B AD E,@ , B
AD J, @ ,+ -C ! ,+ - + ;MLN $! &' (0 5 &,0
0>AD,@ ONK - Q 7 @A+ D- A@ +- +B@ ,+ - +@ - 3C : -BA
" + @C + +B@ B@ +B 8f BG+B@*
(4*-<) ./**!0$0 K$ 10: 9$ H< .
:$ %>C@D2 3 / -C +B ,
;L) & 0 =MKK 8 -++ (3]L$0" +B-> AD @,@C
5 ,D B@ D A# A@> AD C@W 2 AD , CD A@C D , D
,@ & 0(,(,+a2 S) 1 ,$ PP E@G . >@
+B@? .C@ + J,@A+ @ - ,+@D G B@ SMKM +C $ '>
$ 0C $ Q= + JC@ @C @ +B@ 3- +>C@ - ! ,+@D 3@ +
;QLO B B) ! A ! - ' @+ OM< / @+
- ,+@D 5,@) +BC-) J %C@ W -?@+ ?@ A+- / C
CB @ ;K= 8 7 C C * 2 B@G !J, + -J@A
+B@ U@. - ,+@D JC + S!.S 0 V '$**> -0 , '&!(
" 090 B@ JC@J C + -A - >@CUC >+ AD ,+@D > >?
) C 4<N4 , 1' C $ 0 4 4 ,4 =Q=) B@ ,+@D) -- @
? -> D B
/ " A. ,+ A A.C@D @A+W -A+ A A. -C
?JC@.A +@D 7 +B ,+
;PLM < 1$!! S S 8;PO<(5 E2 !@+B- +B@ @ B@CE@
A ! ,+@D +@C -C A AD,G ,+ +@C 4QNN 1 (
! $ MOK B@ C ,+@D % U@ -A C U, A. 5, ?@ +B@G
+2 4QeP $ '' J2 OK = AA>?@C E,@ J@ @ - +B@ AAG
+C E@2 + U A. +B@ C -, @ A +B@ E- -? - +B@ ,+@D - @ A
;QMP $ (.0 8@D O(LK A -A@ - +B@ J-+
+B +B@ ,+@D @ C+B2 AD A -A@ - +B- @ +B +B@ B@D
@ C+B2 B@ J, A+@D @AA@, SK) '0 <$00 ;K 5@E M L B@
-A+ + +B +B@ ,+@D @ C+B B D > @D -A D@C E,@ -CC-Y
-A +- +B@ +-A@
E C@ +@D +B ,+
S! $' 0 !0 &,0 ;Q= B@ .C C-J -A +B@
) +@ , AD ,, A-+ @S @@D + - +B CD - +B@ @ .B+ - B +
JC-? @D -A +B@ J C+ A-+ ,+@D X!SS 8 * ,
S C-D J C+ , ?J +B ,+@D U ;KK= 8
&$*3- $. ' =O ! ,+@D -D 2 -?J- @D - - + -D AD
-??-A ,+
- C & (?JC@.A +@D +B ,+ -C ? SY
+>C@ - ,+ A -,>+ -A
TK ') 8 C &E 0 -(C OQ< B ,E>+A@A X@D

AD ,+@D J J@C ,, U@@J AG ,@A.+B - + ?@ A DCG J, @
U ' &'"> C && 0 ?)!!0 < B@ JC A+ -A J, A
,+@D J J@C
)) T!@ -A@D' +B + -C.--D @A @ @A E,@
8 8 C . +B C@ @C@A @ +- 3 CU S PN(
;M=Q 9) -*0 &1! =N + @,, ,+@D J@@ B
;KM< = 9 < ! 8;KQ=(<; B@C@' JC@++G
.--D J @ @ - +B@ -C,D ,+@D2 +@C ,, OO++ ..1
&' 8 & ' ' ;; 2 'D CA @ +- ,, B@C ? AD +B
.>D@2 ,+@D @A @
! !$' (-C ,&E&D0 # B-C @ 2 @+ !@ -A@D
8C-? B A. >C @D ++ U - D @ @2 @+ (
B@A @ - J@C -A SJ@C @A @D A -?@ E> A@
-C - >J + -A
;KQ< . ?& !$' ON< ,+@D B-C @ ,,
, G -?? AD .--D JC @ ;KK< 5 $ $1 ! 3
$' OLM B@ -,D ? A +@,, ?@ +B + ? A .@+ J A A
B B@ D AD ,@ D- A2 AD A@S+ ?-CA A.2 B@ , @2 B@
T ,+@D ;K<O 3 \ B ,. <
3C -AD-A /8 D2 +B->.B B@ A@ +- +B@ .C->J - +B@
3 CI>@ 2 ,C@ DG A -,D ,+@D +C D@C "
B ..E' B$ - 1&. S ;LQ 3G C @AD B @CG
.--D T ,+@D " B-C @2 *> + +B@ -C+ - +B A. G-> ,, C@I> C@
A +B@ - %->A+CG 4<NP -0 <$0 ; :>,G < O A
@) C+ AD +B-C->.B,G T ,+@D *->CA , +
R$!$' 0) $ &$.
$ = . 2) - > '') $! $ * Q; U@A
A +B T ,+@D , ? TJ + -,D -C)+- A-+@ A B B
? ..) -C+B @ A +, A.) D E@ -C@ E@@A T J, A+@D
SK) =) & - 0 $ &' ONN B@ C E-.> -?Y
J A @ AD +B@ C ,+@D .-,D ? A@
(4*-- 8!e ,+ (!$' 0 ^! D +- E@ D +
&! (J - &! & f ! -> _ J@AAG
;K) ' !$' 0 (SKMS) !& 0
,, , QQ + B D C A@D U U ,, D G A , @> - T ,+@@ V
AD +B + J@AA @ ;KQP - ,) % S 2 OQQ
! ,+@ 4 8 JB'A(2 $($ 0 ^ 1"' ; # a
1 ! ,+@D2 3 D@ - ,+
L%[& < C! $ 0 & S OLL OC@ D OC-D@C2 O -A2
O->++@C ,+@A ;KQ) $' 0 0 MQ * -+ @2
A bD+@$ J ,, C2 + ,, ,--U -A
(4*-0@ 8) 6 (^# $!! ($! $'
J D
? A> +>C@C - -C D@ ,@C A ,+ , - * ,(
S 9 !' " A +B@ ++,@ - -A@ - +B@ -AD-A
, @CG -?J A@. 8 A -CJ-C +@D J ;PPK(
S--- &E&D(B % , A 7C 7>UU@C <Q !@ ,+@C ^ a2
B +> C@? , C @+ E A ,S--- I . < $- (S2 8[(=Q
$! $!& 0 U@ @ ,+@C@ ;L<) $ - ,,0 &!! 8!>CY
+@@ (L=O $-E' ! -++ ,+@C [=- &!! & % C$! 0 QQQ /$O
Q OC@AD@ -D2 7 ,, ? + @2 ! ,+@C 4=SK % - !0 Q
, "& % &' &' ! ,@?J+>? J@C O@?-AD @+ D
CD>?2 ! ,+@) A C +)@? -AD-A C A @ID NG % B
,0 0 $ "$!!8;<NP(O ADC@ @ GA. C2 %G +@X@A
AD ! ,+@C - UAD-A ;) L 0C O" &) ' , ! ,& 0 !@C :
,, O<L B@ D ,+@C+ @,, ,+ +- +B@ >E*@ + ! AD
C@ C - +B W C@ ,?@ - > @A+ ?@++ AD +> SM ,
! $! ' (!*? A. +GD@ + ,@D - OG +B@ ! ,+@C -
4 A+-A.@ : . $! " ;OP + -?Y
?-A,G -,D A) +@) + O ,, A. . +@ ;Q=) CL &
' 0 $ -$' 6!=;(` OP ,+@I O B E
@SJ@C @ @A-) B A +B@ ? +@ , -C DG@ A. ;K=K)@
1 .. $', !!& @SS , PMQ B@ >E*@ + - +B
?@?-C +B@ -A - .C- @C AD ?+@C + S@+@C
/ -CU? A + ,+ -CU
SM-D ,(%$ 0 (,(& B + A J@) AD ,, ,@
BGC@ -C -AD> @ -AG 6 + %- ,)@ C -C # ,E@C C +BY
->+ A@ > @A+ +@ + ?-A , ` - +B C +@C I>B-?@ +B@G
, + @C> + S) ! -CC $)' ! E 2 @ ? U,@
-,, @C -C ,+@C ? U@ I --A6.B+ , ++ A. ;KM<
7 0 !,$/ 0 4NL B@ %-,, @C AD E@C 2 @C@
-A,G A ,,G @? A J +@D A ;Q<<
#A@ B- ,+ ?@ + -C
M+S : 1 =B ! B@ ,@ - ! ,+2 -C2 B@ @ -AY
A. - !->,@ 2 ?@,G > B2 B-? +B@ >+B-C2 B B
+ U@+B +B@ A ?@ - ! ,+@C2 ,, A. +- @ -A +B +B@
! ,+ - +B@ 7 -CD ;QS= $ C& - 8;KM<(;O BG
%- @D.@ B E@@A + 0> U @A2 7B@C@ +B-> B + J +
+BG + ?@ G@ C @ @A ?-A. +B@ ! ,+@C AD +B@ 5 B@C
QPQ 7 1 0 0 &,(=; ,, @G @C@ ,+@D EG
+B@ 9 A. W ! ,+@C 4QQK C &B , ? ' '0 0 ;OP ; B@
! ,+@C C ? ?>%B ,+ B@ A A+- +B@ E@,,G - +B@ B
KKL $ '10 % ' !0 L N " @ AD D >.B+@C C@ .>++@C
JC) %U@C -C ,+@C
E #AD B- ,+ E-D @ 2 A @?E ,? A.
;QNW < .. - 1$!- ' OKL B@ !>C.@-A -C ?
E ,?@C2 AD 2 ,, -+B@C A @C -C # @C >AD@C B ?2 > B
+B@ / @ +-C2 ?E- @,,@C2 &-,6A +-C2 ! ,+@C
! , C.@ 3 1 ,+@D2 $!0
O &# I KP C?@C B- B D B-+
D@@C J>+ +B@ A ? , --A J- E,@ A+- +B@ ,+@C ->+
- .B+ S!JS $!$' <!& 0($! 8X!,+@C(2 , C.@
+-A@ -C @ C+B@A C@ +C->.B +@@D A ,+ A. E -A2 @+
? (*-0@ ?) ! ' 0 0 8!@@ I>-+ (
SMKK ' . - &) "' A L=L ; B@ ! ,+@C -C OC U
S@ +- >+ +B@ C->.B AD UA-++G J, @ - OC U 2 +-
? U@ +B@?,G@ + AD @ @A A +B@ O@D - 3 -C+ C
*1: *1: 0 66
: ' *1: ::
M1: !) 6 / ' ;
(4*-0 ^# $! 5 - 30
10 1)% 7 & 10] W!:%!)4 !)V @!2@ 1: !
11% E !:!)4 A1$ 1 !)L 1 1: 3 L
1: 1 $: 6 :1)% :1!% !) $: 1)% 1:3
!) @!2@ @ 1 1 ! 1% / ! % 1)"6 1:: %
A1$ 1)1 1::E
KPK A 0 C B $)!0 $5(,- 0>+ A @? @ ,+@? @+
@ C@ B ? \ E6+ A "@? B -D @ +- -@? @ ,+@CA , ?JD
XMKX 7 -$6 / @ " 0 ,0 OMO B@ C@ > @ ,+ C+B +B +
+ +B@ ! ,+@?@ + ->+ AD - A- ,>@ # .R
. $! c "' LO 0-G, A. " -> @ ,,@D ! ,+@CA
, ;Q;N . - $ "' 8+!!!: LK @ .C@ +@ + +C D@

EG +B@ C ! ,+@CA 1@ @ +@C +B@G D? A+- C@A B@
;Q=K & % $. ' $! PN + -?@ -A @A @A+
V, @ A@ C +B@ @ B-C@ @C@ +@D +B@ ,+@CA B`)
-A.2 ,- E> ,D A.2 -A + A. - + - J C+ -A@ - B B
,,@D +B@ -C@ B-> @2 AD +B@ -+B@C +B@ J A B-> @ ?C E- ,Y
A. B-> @ 4Q<; 7 < .1 & , ' "' KK BE - +
E@ -? A. , + E@+ @@A +B J, @ AD G ?A.+-A2 -,A
?-D -> ,G -C?@D A+- ,+@CA ;KLN 5C ',(< &!0
OL= -A D@C E,@ JC@ J + +@ - ?>C +@ - -D B + U@A
J, @ A +B@ @ A +>C , ,+@CA ;KQ< $!! , '0),0
LLK O 7 B@A ,+ ?> B D@ C@C +B A + A- 7 2 +B@
@ +@C > @D +- E@ -A @A+C +@D A ,+@CA
! ,+@CG 8) ,+ C(^ . @@" V
i '!"'$ 10 '' $! "2$ +B@ .--D D@ ,+
A EG ,+ ?@C B A+ 1 0
;M) ' &)', ! A EC ? % -0 C &' <) !
8;KKO(=; O - @++ -A ,@ AG ? AA@C - .C- @CG C@ 2
-C ,+@CG C@ ;M=L 0 C$! 0%& " ' &' " 1"'
$"' & % 5, Q ,, -C+ - ! ,+@CG C@ ?J-C+@D
;$ '' 1 $
;K<< < &, $! % ,& 0 H ` 0 OOK
B@ +)@ - &C@ +-AJ A 2 B@C@ +B@ ,+@C @C@ E-AD Y
?@A -C, @
! ,+ + > 2 V ' 0 ,0 2
$ 0 $ % M 10
1"' % 2 $! %$ "' / > O& $ "' 3 " 2 $!0%$
8 T%$\ +(# $! %$ BH
,+ @,, C
$0 , S--- .6 <!& 0 A 7C 7 , U@C ;OM LO $! '$ (
) ! $! ') -(@ ,+ @+ $,-- < %$ A ' ! $ 4) =
!@ ,+ +2 + @ -DD@C2 J J@CB-? ;=KK ,,0 0 $ 0
,& 0 0 Z , + 6 -I "5@ - A+@C J>C@. ,+2 +B , + ,) + +
AD -> C ;PK< 0 C " &) ' , ! ,& 0 !@C 0 ==P
A@ - @C + ,+ ++ ;P<< . L ' B C& - & 0 0 0+ +
==! B + ->+ B-CA@2 A ., @ %BCG + ,, A@ XM=- + V .3
,) 1 0 $ 3 &- -0 '(?.0 8;KPP(=L A@ . ,+ , @C
,+ +
MQ<) 3 .. -0 &- !! 8;K;P(
! C 7 ,+@C !+@ C+ - ,,-A+->A@ B- @ >AY
+ ,, +B ? A A@ @C ?@ +- ++ E- @ +B@ ,+ --+ B@A +
+B@ CD - % ?E> A@+B) ' + E,@ ^% . " ..)
. 10 GE* ;Q<K &' !"' $ 0 A =LQ ,+2 #C
,+ --+ ,+ @,, C2 S * $ .0 $*
M=Q O #A@ - +B@ > +-? - .C@ + B-> @ 2 A -C?@C + ?@ 2
+- J, @ , C.@ #CA ?@A+ , $! 3 $ 8 -??-A,G E>+
@CC-A@-> ,G ,,@D ! ,) --+(>J-A +B@ + E,@b
/ ,+T E- ,@CG 1 0
;M=Q ' 7) 0 &, 0 +6 ,0 &, 0 0
&,0 O<K B@ - A@C - +B@ @ ,+JB +@ B @ EGA
>A @A+,G ,,@D O>C.@ @
' $! %$ 5 A +B@ J U, A. +>E B@A @2 D J- @D
- 2 #>+ - +B# G
U &'$ 0 S2 B@ --A@C +B@ U A - 2 AD B@
A >,+ +2 +B@ ,@ , U@ G-> C@ +- B @ +C->E,@
+ ! ,+ A -> @ 1 0 ^# $! ! @@ .
1 AD ' 10 %0 # " $!0 E ($!03
$) 0] E> ,D A. A B B ,+ ? D@ -C +-C@D
, ;NNN) 5$, &E&D0 (7C 7>,@U@C ;KP LM $! '$) -(
@ ,+B> ;L=N) $ - ,,0 &!! 8!6C+@@W(P=N A CC
-A@ J, A -C>? JC- ,@ ! ,+@B-+) ;=MP M 1 0 <N &C- ,
J>GA+! ?. >J@C ,@ J-AB-> @+ ,+B-> ;PKN ' ..)
$ 0 &' ($ $! ' (,+@ B-> @2 B@C@ ,+@
? D@ ;MN4 ' ..) C! ' "' SSS S =O< A+- +B@ ,+
B-> @ +B@G , + A @ +@C ;MQN ^ @@ . V" ;QLN
! . $*!& > 0 $ 2 , ;L '& (" @C@ ! ,+
B-> @ + B B +B@G C@ A@ ! ,+
! ,+ @C @@ . Q E
! ,+ . C D @ 8 @D+ .C) D(2 $0 AD 10 N&&!0 ^ 2
?-D $! $ & J 2 $!) HA00 a $ +-
+@J2 D A @ a + O@,-A. A. +- +B@ $!! $ $ "'
.C->J - . E-AD J D@C B A. ,@. D J+@D -C
,@ J A.2 E2 10 J D@C - +B .C-++J
;K)) > ' -0 V ' 3 =M= B@ @ -AD @ + -A -
+B@ 7 AD@C A. !J D@C 2 +B + - ! ++.C D@ +,) " %2
= '$' ! $ - ;NM + AD A. EG @A @
J- + + B A. ? ,, ,+ .C D@ J D@C ?->A+ A+- +B@ C
! ,+ ? _ A - 8 @,+ ?E @)UJ(, - Q ,+
AE) -B-2 8@CC@? ,+ CD E S--(() ,+ X+ 2
,+ AE A -2 J ! ,+ ?E 0B 8J @>D- +XCC) (2
E AI>@ ^ +2 8fV !J $! '1$',&(3 $')%+(
$!$ +- ,@ J i '' -A i 1$',& E@A B B@A @
, - 5 $! -1$'D) ? ->A+@E AU I> U
$%&% 8 6 C) 0 *(. " ;; ! ,+ ?E F -@ 2
F> U , @C 2 AD %B C, + A ;MM= B .) (A '(
;NNQ " @ J, G'D +B@ ,+ AE A B-' J?+2 C A -C?'D +'
5C@A B? A EG ?G C+ ;MQP ,&% *% ;;= A
C B@C2 5 D,@C2 &-@+ +@C2 U AD - ! ,+' A E A - +- MQL
' B3 & ' 3 &' ;P - ??Z +B A B + ? G
@C @ +B@ ! ,+ D 0 A -' >J-A ! + .@ ;KPN D# (!
$. X$P - ? U@ +B@ -A+-C+ -A , +B@ C T ! ,+ ?
E AU AD T+- ?E,@ +@C@ + -C+ C.>?@A+ -C
A+C-D> + -A +- B + +- -,,- ;KMP [. $ "' ''
- 0 LMK B- @2 ? C@E AD S ,A 2 ,+ ?E AI>@
AD E> --A 2 B- A >C-J@ C@ --+ -A @ @CG B-, D G
$ 10 $;QL= ^ @@ ("; B . #
"@A @ ! 9 " $
KMS - *! ?$ PNK B + . ?'.@-> +@?J,@) ,+ ?
E AI> ? A @ @ +@C !I> C@ ^*IT +B@ ,B ?EC a
! ,+ A@ 8) ,+A@(^ . $0 N " V
B@ I> , +G -C -AD + -A - E@ A. ,+G
;MQN 7 1 " &!0 0 MN B@ , + C@ AD>@D
+B ,+A@ 6) ' A ->,D %
8;<NK(K< " @ G-> -C. -++@A +B@ D A@ U A@ ! - +B +
>A @++@C@D AD
! ,+ A . 8) aHV2 PQ3 10 ^ ! b i " 7 V
B@ >C A. - , B2 ?@ +2 @+ 2 +B ,+2
$ ") & (OMQP; J , G- J -A E ,U@ , + ,
> A@ E + C +- ,+ A. + + 4=<=C)) '0 (N OL B@
?@ "@CC A. B->,D E@ - -A@ ?@ + U A. AD ,+ A.
;PMP 1 $)) (B@ ,+ A. - J-CU@ -C
E U@A $;PMK ,) , &! - + 8 CE (=P @ C@ B ,@ B2

AC .--D' AD' D>C , ,@' ,+ A. ' M -'S ' $' , $(
?' 5 B' - ' ,-A.' ,+ A. ' A B-, -? ' ;KQ< $ '
, '('),0' 2' LP= O 5 B' A'E@'+B@' ?-C@'C@ D ,G' >C@D'
DCG' +@C'B A.'E@@A'@SJ- @D'+-'+B 'JC@, ? A CG' ,+ A.'
6 0'$'4!LM!H [0'X5*P 0 $ 0' 0'g U 8;PQL(' <M C>@'
JC@ BGA.' ' ' ,+ A.'+B +' +CC@+B' J'J@C @ >+ -A2' AD' A'
- @'+B +'A-' ? A' '?@+@' -C2' >@'B@'+B +' ' @ -A@D'EG? '
@,@

/ ' A' C -A '+@ BA ,2' -,,-I> ,2' AD' , A.'> @ '
8 @@'+B@' E (

;PQN' $ - 10' 0'K-G' A' E' $ '8;K=Q(' 4 4 4 ' LMM'
3 G',-CD'@D CD'X-> B BG ' ? +C >, + -A' *) BG ' ,+ '
GA.' *O' 8 A' ' , +@C' D%#>A+' J@,+' , -'TJ ,+ A.'*' S)K'
- B ' $2 ')D ' ' E2' " A.'-A @' UA- @A'
+B@'JC @'- ' A' D? -A'! , A.2' AD' 3 +C >, + -A)' +B'
+B@' A+@C+ GA A.'- '5C@ B?@?+%' + ' +B@' $E@+-C U@' B--,@ '
$'$%&&' 8 3 ' + ' (' ' '55 'QPL'8O-D, (2' B@' ,+ A.@'
- ' C@)' ?@A' B BE +B'B @A@ A+ @A+,G' AD' 'G@+' +'#S -CD'
@D' +'+B@ C' C +')?? A.@2' 'J@CB J 'E-CC- @D'-C' -AV
+ AA@D' C-?' +B ' > +-?@' +' +B@A '^ @@' C@.-CG' \'
- 0')'0' ?$! ' $ 'S *' ;M<L' : ' 0' &'
)1 "' A' 06 &-'?& 0 ? +' '; ;MQ' '4 D2'
+B +' +B@' -,,@.@'^ +',)+-A*'B@,D' -?@', AD ' EG'+B@' > +-?@'
- ' ,+ A.' ;Q=K' 8 Q77' '&%' $. ' ' $!'M< 7 B@A'
-,@A+' C@ ' C@'> @D'+- CD '+B@'@AD' - '+B@'JC- @ 2' B , +'
+B@' ,+' ' -C? A.2' B B'+B@ ' ,,'+B@'+ ?@'- ' ,+ A.' ;KPQ'
= .. ' ! '0' -0' 8;KNO(' 'LLO'%B,-C D@'- ' J-+ >?'
AA-+' E@' >E + +>+@D' -C' B,-C D@'- ' -D >?' A' ,+ A.'->+2'
;KKQ' ')-' L;' /@ ' 7 ' B@' +C ' A' +-,@A' AD'
J>C -> 'D ?-AD 2' AD' +B@' A@ C -> 'JC + @' UA- A' '
,+ A. ' ;KK<' &->'C & (' ?)!!0' ' LQM' AG 2'
B A.@' A'+B@'A>?E@C'M+' .C+6A '+-'+B@'->A @'- ' ,+ A.' A' A'
@?>, -A'-C' A' 'D@ @,-)C

' %B @DG ' ! C +' , AD ' A' -?@' J C+ '

, AD 'C@.>, C,G' - @C@D'EG'+B@'+ D@2' 'D) A.> B@D'
C-?' ,+ ? C B ' $!T

;Q; ' 'A'C !T' $' 0'4 4 2'=KL' B@ @' AD '+B@G'
,,'! ,+ A. 2' B@A' - @C@D' +B C ' 4Q Z' $' 0' &,0 '
'P< B@', AD' A' C-A+' - ' ?G' @ ,,'+-'+B@' ->+B CD'
8 ,,@D' ,+ A. 2' C-A+'+B@' @ ' - @C ,- A.' +' @S @J+' +',- '
+@C(' SK P' & ' ' 4 'LN< -' @S+C -CD A CG'
, C.@' @@,' @C@' + U@A 6J-A' +B@' ,+ A. ' +' !+@@J,@2' A'
/@A. @' ">ADC@D2' I @S' ' $ >' $ 0' 'OMQ'
"@C@'C A' 'EC- D'E>, CU' E AU 'U@@J A.'+B@' ,+ A. ' AD'
? C B@ 'D +A +2' SJ-S' * , $ & ';Q' >. 'O;L O' B@' ? C B'
' 'D-++@D' +B' B +@ M%%@D' B@@J' AD' B +@ @D'E>,,- U '
.C X A.'-A'+B@' ,+ A. 2' ;<NL' : 1. 7' /' $ &' 'OP' +'+B '
EC D.@' - '+B@',- @C' ,+ A.')@' ++,@'. +B@C' AD'E, C@

! ' $ 10(' ' 8 @A @' ,(') ' '1 %' , &) (' . 1
F: ' 6 (' ^ &) ' 3)1
=C &%1 ' @@' ! +C' Q' $! ' '1$ (' &!) -' '
8 @A @' L(' $E ' 3-4'- H' ,+ A. E-S2' J- A+'
8 @@' I>-+@ (' ,+ A. J, -@2' =$+' ' J, @' B@C@'
++,@'C@ -C+'+-', U' ,+ ' 8)(' ' '&', 3) '+B@'J, @'
B@C@' ' +C@ ?'*- A '+B@' @

$ /%' ')8 'C & (' -0'8@D 'L(';OO' B@' !+C@A.+B'- '
+B@' ! ,+ A.' 0 +B ' ;QQK' $ ' ' '$ '$' & ' ;LL' 7 B +'
& @ @'- ' ,+ A.' 0@@ ' B->,D'E@' -CD@C@D' C-?'+B@' 0>+ B@C'
SK- '%') 3 !' ' 0' L,0 'T $! ' 31&5 " ' C@' E-S@ '
-C' B-,D A.' ?@ ,@D'J- D@C2'+-' JC AU,@' +B@' >X@ ' - ' B@,, 2'
+B +' +B@G' ? G'+ U@' AC@' C-+A' +B@' E, +' - ' +B@' J- D@C' A' +B@'
B ?E@C '+B@ @'E-S@ ' C@'A- ', D' D@' j M+-'9 B '
(' <' - "' 8;KOO(' @' B@' B@C' ? @A @C@' -E, .@D' +-'
EC A.' A' ,,' +B@' -A.C@ ' +B@G' +- -U +-' +B@' U A. ' ,+ A.'
B-> @' ;KNP' $ ' 7 ' *8' C $, 0' ,0' ' ;NO;' +@C'
+B@' B@@ @ ' B @' E@@A' -J@C,G' ,+@D +B@G' C@' CC @D'
C-? ,B@' ,+ A. B-> @'+-'+B@' B@@ @ C--? ' ;KPP' : '$ ' I6"
, HH L &' &$!!' ' ' A D@+B@' ,+ A. B-> @2' -) A @ '
- B ++@C,A. AD - @ A.' @? ,@ ' C@'E> ,D A.'>J'J , B CD '
+-'B@ .B+ '- ' ->C' AD' @' @@+2' ;QS<' !!'& 6& ' ' '
' ,+ A.'U ++' & ' 5' 0'4 'LL' B@' ?G +@C -> '
) ,+ A. ?->AD 'UAM A' '$@DB ,, ' -A'+B@' ? C B@ '- '+B@'
@S - + ' ;K=<' : 7 ' ! , , "' 8@D 'L(' OS=' ' , C.@2'
-??-A2'., X@D' ,+ A. J A ' ;K=N' = ' : .)' & '
% ' ' , ' A D-' @'@?J,-G'@ @CG' A.@A -> ' C+ @'
- ' +@?J+ + -A']' >JJ,G A.' ->C' T' ,+ A. J, @' ' +B' +B@'
.C@ +'D@, G' - '+B@' .C C A.' J@-J,@' ;KMP' 7 ' ' 0
" - ! 0' 8;K<Q(' ;ML2;' ->,D',)@ C' A-+' -A,G'+B@' @ 2' E>+'+B@'
? ,, +C@ ?'+C JJ A.'D- A'+-' + ' ,+ A. J, @' ;KK=' '9 '
&$* $. ' 'SS >'O;< +@C' @++, A.2' B@' DD ' ' -,>+ -A'- '
' ,>?2' B,-C D@' - ' "?@2' DC' C>D@' JGC-, .A@-> ' D2' + CC A.'
+B-C->.B,G' ' JC@ @CC@D2' B@'@ J-C +@ '+-'A@ C,G'T' ,+ A.'
J- A+'") -C@' DD A.' AG'- '+B@' >E + A @ '?@A+ -A@D' E- @'
,5N" <!&),0 $ - *0 , ? 1 0E %0V'& !0) 10' ,,2'
7 B@A'+B@' B@@ @ ' C@'+ U@A' C-?' +B@' c ,+ A. JC@ @ 2' +B@G'
C@' J>+' -A' +B@' B@, ' A' +B@' D CG' -C' 'D G'-C' + - ' SK- '
$ 7 ' ,V C $, 0 , 0'P< B@'c ,+ A. C--?' B->,D'
E@' , D' +B' , . ' C & & 0' ' '0' 'ONP' %@C+ A
?-D + -A '- '+B@'c ,+ A.' -,>+ -A2' S) ': ' ' &- 0'
'9 %@

+ '@D.@ 2
8!> @@ (' <O' A'+B@', CD@C' B-> @' *'
$ ' 7 ' HA M 4-'C $, 0' ,0H0' OP=' ' @,, C' B@C@' ,+@D'
?@ +'B D'E@@A'U@J+' -C' '.C@ +',@A.+B'- '+ ?@' A' ' ,+ A. +>E '
;KSK' ' &1' &"'SS 2' '+>C 'E U' AD' ' ,+ A.' +>E2'
B B' +--D' -A'@ +B@C' D@'- '+B@'A CC- '@S+@C -C' J .@'

* (4* 7 ' 1 0 $ U>(, -'M' , ,-A ' ^ D '
'+GJ@' T $! &'3 -(' 0' $! 3(' JJ, ' +@?' - ' $! '+-'
,@ J ' % ' . V' @ J A.

! ' .3 ' $ ' ! . ' 8;P=;(' A ' 'PO' !+@C+GA.@' -C'
,+ -A'=& 0' , -Aa' - '+B@' ?@?E@C

(4* 0-'8 @,+ *(' 0' 5-C? '# ' ! +> '
C->C@2' + C@2' ' ,+-GC@2' +LCC2' & ,+@@C2'
,+@C 2'M <' ,+ @C2 - ' ,+ C@2' ^ '#5 ' $) = +& ('
$)) ('3- ('3&) (' $!) (' $)! & '8 C-?';L+B' (2'
?-D 5 ' $) & (' ='8;(' ,U@A' -C' B@?J@A' + CC>J -CD'
8 -C? A.' ' D@,+- D' .>C@' B@A' A' > @(2' 8O(' + ,@'
+-'U@@J' ++,@' C-?' +C G A.2'8L(' ,+ C@' ' $! 3'
&) -'8 @@' . D V' A'-CD A CG' A'+B@' -C?'
- ' ' !+' ADC@ ' ' C- 2' -C?@D' EG' ' E@AD' AD'
'E@AD' A +@C2' C- A.' @ B' -+B@C' "@A @2' ' '
$! ' C- @D' , U@' +B@' , ?E ' - ' ' !+' ADC@ ' '
C- ' C ' $! '8 @@' IA-+' :&;&#/

S =--' & ' 0' =SKO' "@' B D' -+B@,G' -C U@A@' +B@'
+>+-> @' @A.C@,@D@' AD', >.B+@' J@' +BC@',G-A ' ,,@' - '
B ++@' ,>GC@' ' ,' ;=ON' ') '&%' 0' SS 2' ' + C@' @A '
@C@,@D@' - ' ,>@C' >,,@' B@A@' =SPPN' A' O C A. ->,D' K'
..@' 0' - & "' 8;K<K(' P' ! ' ' ,+ @C' @A.C ' C. ' 4PM '
C "' - & "'=P'E2' B@' @>@A+B' J C+ -A' '+B ' & C+G@'
J@C' ! ,+ @C2' C.@A+2' AD' ! E,@ ' 4MNL' '?$ 0' $ 'b '
SU 2'6J-A'B '!>C -+@2' , A+' @ ,'E-C@' '! , @C' ! ,+-GC@2'
>J-A' 3 C+ ,' $@D ' O%+/') ' - 0' 8;MLQ(' L=M' 9 A.'
"@ACG'+B@' S+' B D' + -' @ +B@C ' A' ! ,+ C@2' $'S)P' 9)'
5%& '8# " ! (' ' ;MN' -'U@G@ ' A' ,+ C@2' $',G S' : '
" - ' ' $' 0' &-@+2' 7 U ' ;QO;' 'M' ' ,+ C@2' B B' +B@'
? C+GC D' ADC@ 'E-C@' K-S' ' GV ' 'SSS 2' B@'
! C @A 2'%>CD? A 2' AD' B? @,"@!'G @,D' -' +B@' ' ,,-J2'
+B@' ,+ @C2' AD' C- ,@+@D' B @,D' ;K)=N' ' ',", '
0' ' 2' 7 B@A'+B@' @,D'-) ' - +2'-C' AG' B C.@' >J-A' +2'
\D D@D'BG'+ -'D .-A ,'+A@ 2' C- A.'@ B' -+B@C2 +' '
+@C?@D' $! 0' ;KM=' O->+?S' 0' (' 'C&*('SS '
@D' L(' LP< -'J +-C ,' + @ 2' A' ,+ C@
$ 10' SM S') '3 '9 'E &' $dB?' !-' CC@' >AD@C2'
'+B@G' ? D@' C-?' -CA@C'+-' -?@C'+B@' B -A'- ' ! ,+ @C'
%C- @' ;QNQ' ' 0(' 0 0'W2 2' ! ,+ C@' %C- 2'
& 5' ' 0' ' 0' ;KP;' $ ' ' ..' A' - @' $ 0' ' '%$3'
'$,$' =MM [. X .', A. ' - ' '+B U@A@D' + >@' -CC@ J-ADY
A.'+-'+B@' ! ,+ @C' J- + -A' - '+B@' !J D@C ',@.

! ',+ C@ L !2' $ 0' ^!@@' "8 V' f 'A@S+
+9 Z' ' O C A. ->,D' \' ..@' 0' - '& "' 8;K<K(' P'
C. ' P' ? C+,@+ ' ,+ C@ G ' ' SK4M ' ' ' '
-',-A.' AD'E-AG' C? ' -,D@D' ,+ C@ * ' A' C-A+'- 'B@C'
J@C -A ' SKGN' .. ' ? ! '&% .0' A' 0' ? ! ' &' '
[[0 P;L' ' B @,D' A' +B@' @A+C@' C- 'U@G 2' ,+ @C' G

! + C@ @ ? ' ^!@@ 8 V' 7 +B' -C' A'
+B@' -C?' - ' ' ,+ C@ ' 8D J- @D(', @' +B@' C? ' - '
b' !+ ' ADC@ ' ' C- ' A' D,+E@2

;QNP' &' 0' <$ 0' - 'MLKO ' - '&@A 'J, @D' ! ,+@C @ '
4Q N') ' !$ $' 8 K S(' T' SS S 'ONP' >,@ 2' + -'
-CD 2' ,+ C@ @' K S' ' ' !2 0' S 2' B@' E UY
.C->AD' ' C- @D' + @C @ ' EG+B@? + - '+ -', .B+@C '
+B +', G' + A.' -C' +B@'+ D@' 4K=O' < ' 0' &%' ' '
d$ - *' ' @ +B@CA'. +@C 2', @D' + C@ @' >J' +B@' ,@. '
+B' C@D' +C J 2' 4KM=' B .. ' 0' 0' 'C&*0' S '8@D 'L('
' -'5-S@ ' C@',@ J A.2' ,+ C@ 7 @2' - +'+B@' A @A+' B @,D'
'! C' 7 +U A' 7 ,, ? ' 7 GAA@

! ,+ ,,') ?9S @./ ' K$ ' "' -C' $ 'H' $L'
^%' ' ^ ' +B@' E a' # '+B@' A +>C@' - 2' B C +@C + ' - 2'
-C', U@' +B +' - 2' ,+ ' ? JC@.A +@D' +B' ,+ ' ,+ '
! ,+G ' 0' E ' ^ ' +B@' D* a' %B @ ,G' A' ?-D ' > @'
!-?@ , +' ,+

=QQ' (' 0' !, .0' ' A' B? '8;MPO(' Q=' B@' +'
+B@C@- ' ?> +' A@@D ' ! ,+ B' E@ ' ;;P=P' Q I 3 .1' ?" ' $' '
." ' ' SXO' -U@' J-A' B@C' ?G,U@2' +B +' +' B@' A-+' E, UG B@2'
E,>@G B@2' .C@G' -C' C@DDG E@2' A@G+B@C' - C@2' B CJ@2' ,+ '
G B#_' -C' EC UG B@' 4PKN' X ' ' ' '8 CE ('
QP' ' -,D' @ +' ,+ B' +BC->.B' ?G',-GA+@ ' @C @,G' DGD'
@A+@C ' OP<N' 1 ' 0' A0' 0' 'L;' # +#' !-> +' A' @,, A.'
@+BG ' ,+ B' + C@ ' ;MNN' S ' $' , $' 'QQ' B@ '2'
J U,@D' "@CC A.2' . >@+B' ' ,+ B' AD' AJC- + E,@' A->C BY
?@A+' ;MNP' ' 1 ' < & 0' !0' ' '8;MLP(' QP' B +'
+B@' !@ ' ' - ' ' ,+ B' F> , +G2' A-' ? A' E +B' @>@C' D->E+@D
' 7 1 ' & , 0' A' &90' $ 0 0 &,0
'O<P' B@' B AA@,,' -C' E-++-?2' -C B@D' +B' +B@' B@ +@' - '
+B@')' JJ@ C@+B@' BG+@' AD' ,+G B ' SMKM / ' % '
%& 0' 4N=' ' ,+ B' - , ?- +' -??-A,G' ' +' AD' >A +>Y
-> ' 4QQP') ' - 0' ' 0' OOK' /@@C2' B B' -?@' A' +B@'
C?' @ -A2' +-' @ +' +B@' ,+ B' ?- ' (D' .C ' ;KNP'
B) ' " ' $ 'O<<' B@' +@C2' '+@)@ ' ,+ B2', U@'
@ U' @ ' +@C ' ;KQP' .. ' ! '$ ' 0' 'S-K' B> ' @'
B$ @' ' >C @' >CC@A+' - ' ,+ B' +@C' # A' +B@' J-,@ ' +-Y
CD '+B@'@I> +-C

"@A @' ! + 3 G'$ 0' 4 #Z \ ' 7 @E +@C(2'
! ,+ ,? @ '8) +* A@ (' JC@ 'i' a'
B@' I> , +G' -C' + +@' - 'E@ A.' ,+ B

PM ' B '?$ '< B@' +@C ' @?@+B'+-' B@ @' ', ++@,'
,+ BA@ ' 4MLP' 2' 1 ' < & (' !0' ' ' 8;MLP(' QP'
B- @' B B'D@ @AD'+B@' ,+ BA@ @'+-'E@@' D@A+ ,(' SMKM'
7 2' ' '+C ' - % ' &) ' -0'8@D 'O(' ;O' B@' +@C '
- '+B@' !@ ' ? G' E@' D' +-' C@ @ @' +B@ C' ,+ BA@ ' C-?'
A-+B A.'@, @'E>+'+B ' ! ,+D -, @D' A'+B@?2' $Q=Q' 50 ,> '
' ;K=' B@' ,+ BA@ ' ' - A.'+-' +B@'@ J-C + -A'- '
+B@' @C- +G'- '+B@' ?->+B

+ ' ! ,+ + > +2' $0' 0' $ j3V' ^ D ' , +@' '
$! $' 3 -(' JC@ 2' JJ,@ 2' - ' $! (' C@I>@A+2' - '
$! '8 @@' . D V' @ J A ' -C' JC A. A.

;MP=' < 'C! $ 0' & ' ' '=;' B B' - + JC- +-A '
@C@)' ?- +' .C@@ E,@' +B' +B@ C' CC A+' E-D @ 2' B B' @C@'
, @ ' ,+ + A+2' J A+' -C' >CC A+

! ,+,@ ' 8) +,@ (2' $0' ^ ' . ' @3' N' ". '
% ' / > 'O&) !&& (' ' $!O!& 0' 7 +B' @A @' O a

; ' 7 +B->+' ,+ ' >A ,+@D
4L<K' 3 '?$ 0' 'C0' 0'S 4 ' SS '8;=<P(' <NP' ! ,+ '
,@ @' B@ @' ' ?-- +' A->CG EGA.@' AD' ?-G +@+B' +B@' E-DG'
;MPK' ' ' 8 'C ' 0' *0' ;;' 2' <M' "@' +B +'B +B' E@Y
B@,D' B +' I> A+ +G' - ',@ D' +B@' +@ +' - ' ,+,@ ' B@ ' ,,
?E E@' SMMM' . ' 0' & - ' 'A)$!0' =;=' "@:' +--U'
+B@' C+B'+-'E@' I> +@' ! ,+,@ @' 4KOL' ' !$ ' ' ' 2'
+ 'E->AD A.' CG + , '.> B D' C-?' , '+-' C .' +B' ,+,@ '
JC G ' ;KML' (' - > ' 0' ? 1! ' 0' , #' = $! +(' +'
'+B@'E@, @ '- '+B@' :@ '+B +' ,+' ->,D2'EG'@SJ- >C@'+-'+B@'
C 2'E@ -?@' , ,@ ' O<NP' C) ' , ' # + 'O<N ;' +' ' +B@'
, AD ? A ',> +G'+BC- +' B +'C@AD '+- D G' ' ,+,@ ' C
O ' % 0' A. ' J I> A G2' J- .A A G2' A+@C@ +2'
-C', @, A@ ' A J D2' ' +
$%JJ' ') ' 5*0' O' C ' 'K ' B@ G' AD' ,+,@ '
-C + -A' ' A > @C E,@' +-' ' I> U' B@ C@C2' $' SM)' . 3 .)'
0' ! ' ' &-@? '8;MKQ(' LNP' ! ,+,@ ' AD'. ,,@ ' E@' +B G'
%>C @2' ;KQ=' . ' 'B) 0' O "%' ' ' ' 'QL' +' JC- ? @ '
+- ' -CD' ' , .B+' J>A.@A G' - ' , ->C' +-' ?G' + +@,@ ' , @' A'
+B ' ,+,@ ' ,D@CA@ ' ;KKP' / ' % ' = B ' $ '1&2 '<&!
<<< 'O;< B@'D G ' @A+'EG2' ,+,@ 2', @,@

"@A @' ! +,@ A@
SMK ' . ' A' $ ' 5 +X.@C ,D' $! 3 $ ' 2 ' 'SM'
B@' ? A' +B A.' - ' ,,'+B +' -A A @D' ?@' - '+B@' ! ,+,@ A@ '
- '+B@' 7 +@C' ' J@ U' -

! ,+ , U ' ^ ;% 1 O a' 'J, @' -@ @' ?@'
-,,@ +' +-', U' +B@' @ C+B' ? JC@.A +@D' +B' ,+
4QP4' ^ @@' ' 10' Oa' ;QM=')) -') (' ' S, 'ON< 7 @'
. @' +B 'A ?@'- ,+', U '+-'+B@' ,+ JC A. 2' B B2' A' C ->'
J, @ 2' >@'A +>C ,,G'->+'- '+B@'.C->AD2' AD' -C?'@ B' ', ++,@'
C ,,' $>%>' ' B ' A'C !0' $' 0' 'L< B@' ? C B2'
,,@D' +B@' ! ,+ U2' A@ C' +B@' $ @C' #B -' OK=Q' 7 '%' '
= 'B ';N O' B@G' +' +B@' ,+ , U 2' AD' C@' +B@C@' +-'
E@' ->AD' +' ,,' @ -A '- '+B@'G@ C ' -?@',@ A. '+B@' , A@'
?-C 2' -+B@C '+C @,, A.'+- CD ' +

! ,+,G ' $ 0' ^ ' . ' ' i '!". 'A V
7 +B' +B@' + +@' -C' ?@,,' - ' ,+
S)' 8 ' '%03 $ 0' 0(' ! ,+,G2' $! 0' ;KNQ
' = .. ' ' ' ' 0' 9S' ! ,+,G'E ++@C2' ,+,G' --,Y
A. ' KMP' & - 0' $ (' 4 'LP=' B@' AD ' B +' B +E'
,+,G' ->+B' C-?'&-, C' @ 2' S) '?!$, .2 0' $ 0' ++. 'OLQ ;'
') ,G'G@,,- ' J>?@' +B +' ,+,G' + AU'

! ,+ ? C U @ C ' ^% ' / > 'O&) -$. ' ' $ 3'
-$, 0]' '? A> +>C@C' - ' ,+
?0 $ 0' ' 0' L;Q O' ' [' $! '$ & 0' ;P<O
3 .. ' *0' 0(' $! ' &(' ' ,+' ? U@C ' L%L& B '
C ! - $ ' ' S ' =<L' B@' ?)$' C@' ! ,+ ? U@C ');QNQ'
&) 0' $ (' - '=LQL =' B-? ' ,?@ 2', +@' - '3 , -CD' A' +B@'
%->A+G' - ' !->+B ?J+-A2' ! ,+ ? U@C ' OKNQ' & ' < ' " '!0'
;Q<') >+' A--A' % J+ A' %, CU@' +B' ;=' ?@A' ?@' +-' +B@'
,+ ? U@C ' ?J ' SKKM ' ," ,!0' ? (' 4 4 ' OLW +' B@'
CJ A.'-C' E> U, A.2' +B@' , A.2' AD'+B@' -C? + -A'- ' + '
' C A.' C-?' ,@ U ' A' +B@' J A2' C@' J@CB J ' ?-A.' +B@'
-C +' AA-G A @ ' - ' +B@' ,+? U@C ' OK<N $1&) ' &-Q
- &' ' <D [!' $! ' $. (' +@C?' @?EC A.' ,,' +B2@' ?@A'
D C@ +,G'@A. .@D' A'+B@' ? A> +>C@'- ' B +@' ,+' C-?'EC A@
!-' !)+)A+ U + ' +B@' ? A> +>C@' - ' ,+'
+ ' , -' 2' ,+ -CU

0')** 0' *'$ (' 8% ?D@A(' OK;' B@' B C.*)'
+B +' E@,-A.G+B@' +-' +B@' U@' ? UGA. ' SMSS' < !!' 2'
!$ &'0' ! ,+ ? U A.' $5N >B' ' 7 ' ! ?' & , 0' $
C &,0' & , 0' &,0' 2' O<Q' !-?@' - ' ?@ A@C'C A U' B D'
AD' B @' ,+ ? U A.' B@@C@' SKKM ' ," ,!0' ? 0' 4 4 '
OL= ;' ! ,+? U A.' 'EG'A-' ?@ A ' A' >AB@ ,+BG'+C D@'
$ 10' OKNL' A' %-EE@++') 0' ' 8;KKP(' 'L;< B@C@'
C@' A-'@S @?@A' A' +B@ @' ,+ ? U A.'J, @ ' A' 5C A @
' ! + A +C B ' Y . IE ' ' ' $ -$, '
3 C B' - @C,,-)D' -C' ,--D@D' EG' +B@' @ ' : * ,(
-A@' A' B B' +B@' @ ' +@C' ' -,,@ +@D' -C' +B@'
? A> +>C@2'- ' ,+ ' 8% 2' . 'J D
,'C---' 0' C 0' 8 B (' +' LL' "@' @ S@AD A' @AD@'
@-C! A'-A' @ ,+A@' ?@C '8 >,. ' ' ' $!) ' '](' ^!- '$'OLN<
0' 0'C $! ' 'L=' !+C@?@ ' A' "D@CA@ ' @+@'B- ' A' ,+ '
?@C B@', AD C> +E@C AD@' XSLNP' C & 'C $! SS'
! 6 ?@C B@a' ;=2)' ", ' A' 0' &%' '! "> ') 10' 8;K)'
PL' --D')@. - A' .--D' J +>C@' - ' ,+' ? C @ ')L' A'
&!! , 0' 4 0' " ' ! (' 'OL=' ' AG' , AD ' -C' ,+' ? C)' C@'
C@ , ?@D' C-?' +B@' @ ' SMKM' C!" -&) ' &!0' ,0' 8;KPM('
, ' ;KL' +' ' #CD@C@D2' +B +' & + @A @ B ,,'B >@ +B@' @'
- ' E->+' + -' C@ ' - ' ,+' ? C B' ++' +B@' , AD ' OQNW'
$ - 0' 0(' $! 3-$ (' ' -C+' - ' C X A.' C->AD' A@ C'
!@ 2' B B' ' -??-A,G' @CG' C B', AD ' A>+ '
",!(' ' $! (' &2' 3 C BG' C->AD 2'D J- @D' EG' +>C@'
-C' +B@' $@ @J+ -A' - '+B@' !@ +@C ' B@A' +B@' D@' @,, 2'
AD' JC- D@D' +B' O AU ' AD' !,> @ ' +-'C@+ A' +B@' ?@2'
C@' ,,@D' ' ! ,+b? C B' OKOK' : ' ' ' 0' !& $' '
<P' A' ?>DDG' ,+ ? C B@ ' OKL ' (' $ $'$' ''
' &) '< /- A' A' +B@'DCG' ,+ ? C B@ ' +--D' B +'B-> @'
D CU, ++ ED

' E ' 5! 1T' A' J@ 'A ?@ '- 'J, A+ ' AD' A ?>, '
->AD' -A' ,+' ? C B@

+ !!') ' % -0' V ' 0' 8@D 'O('=MO' B@' ,+ ? C '
BC)2' - $' $!)) 0' KMS' 3 ' '!&2 0'C (' 2'
;<K' B@' ! ,+ ? C B' F>E' C> B'= , *) '- $ - ' +0' NBO'
C &,0' - (' C !& 0' dL,0 4 ' =QP' B@' ,+ ? C B'+@A A
! ,+A @ ')' 8) ,+A@ (' ^ ' . ' i *
' B@' JC-J@C+G' -C' + +@' - 'E@ A.' ,+ ' +B@' -AY
D + -A' - 'E@ A.' ?JC@.A +@D' +B' ,+

A' # ' -A,G' I> -A C' +C A , ' ' $! !!$ &(' $!) &T'
,'KNP' *0'C $! 'A0"H0L=' !@++ 2'2@-CW A' @ +@?E@C '?' ,+ '
A @' &2", 04 S??+ ' :>)! 0*&) 00 $-%)&T'
% $- ' ' $! !$ ' -'-C' $!) !' -0W' AJI' 3 '
''8$-,, (' ' KMP' J@'C--+@ '?- @' A-+', U@'D@. @ @' AD' @+ '
/@ @' -C' ,+A@ @'- 'BL '@C*V@' ;LKK' 9 . 6' " 0'S 'M' "@'
B ,'D @,,@' A'D+GA@ @' A'D@ @C+2' A' +B@',-AD' - ' ,+A@ @'
O=NO'+C2' , $' , 0('C 0'C 0'ONK' O G'+B@'+-A.@' @' @,@A'
+B@'DG>@? +@'- 'W >-C@ 2! @+A@ ' AD'E ++GCA@ @2' ! ,+A@ @'
AD'@.GCA@ @ ' S O ' '+C ' & > 'E &*0'A ' >'8)K<P('
;KQ' B@'@EE A.)' - A.@2' AD' B@A@ '- '+B@' @ ' $'K%+/'
-. ;'@+ '%$ ' $ ' ' ' ' U'+2' ' 'B D'E>C @D'Bm?' A'
' @' +' @ 2 b+' ->,D' A-+' +-' +B@' ,+A@ @)-'B ' .C @'
" @' DD@D'+B@',)'+@ C@' OMQM' .. ' A' $. >D' & 0'
> 0' ' '8S!)+(' ' =P=' O@ A.' +C->E,@D' +B' -CE>+ '
B>?->C' #C' ,+A@ '- 'E,--D' OQM=' I ' = L ' &) 20'
;NL' O- ,'+B@?'^ -?@' B@CC A. a' ' - +' 'G->' ->,D' D-' -C'
@ + A.2' AD' B +'+B@?' A'+B@'E- , A.'+-'+ U@'->+'+B@' $,+A@ '
A J+' ' . ' ' ' '< &!0' $ 0' 8@D 'O(' P' B@' >J@C -C' ,+ '
A@ ' - '+B@' 3 @D +@CC A@ A ' ' ++C E>+@D' +-'+B@'@ J-C + -A'
- ' + ' >C @' KKL' 5 ' 3 ' 8 6)' 0' !$)$) ' 6 2'
B@' D@, -> ' @A @' - ' ,+A@ ' AD' C@@D-?' -A@' @@, ' -A'
+B@' D@ U' - ' ' .--D' B J2

/ ' & I> A G2' J-) A G

SMSN)' ' ' ,&) '8 CE (' OQ' 3 @A' ->.B+'+-' AD@'
+B@' D @C@A @' E@+ @@A@' ,+A@ @' AD' E ++@CA@ @' VK<K'
-0' <$ 0' OQ' JC'L S' O G' C@, A @' -A' E@ >+G' !B- 2'
C @+G'+>CA 2' -C' ,+A@ '- 'D ,-.>@

! ,+A @ 'C C@ Z 2' ^ ' . ' /a' @ B@+ '
-> A@ 2' , +G ' '
MSS' %- %$ 2' $) 3,&!! (' ,+A@ @2',@ B@C-> A@ @'
! ,+- C@ ,'8 @ ,+MC@,(' 0' ^ JJ ' D '#5 'T $!3'
& !(' D ? ' - ' $! & ' . V' 8!@@' I>-+@ (
'OQKN')) ' $! "' ' ,- 2' +B@' ?@
' ! ,+ @C ' OK<=' C$. C ' <!& 0' 0'PSK' B@)+@AA' $!3'
& !' ' -?@+ ?@ '> @D' B@A' +BC@@' -C' ?-C@' ,+ C@ '- >C2'
E>+' +' 'B CD,G'C@I> C@D

! +-CG ' ,+@C + -A' &%' (' +@C' ' E3'
&) -' . ' 10
;KMQ' '& '! ?+ '?' 0' 'C$. ' ' ;Q<' B 'C .B+'
- ' +-CG' -C' D@@C ,@ J' ' -A @' A-+' >A -??-A

*1: R! , ' 6 $! &) #
*1: E ' 6 / 6 &

! ,+ J A ^# / > 0&) *$'($ *%$' - 0TH
$ 86 > ,,G* + B ,,- D@JC@ -A A@ C +B@ @
A+- B B @ +@C ,,- @D +- ,- 2 B@C@ +
@ J-C +@ 2 ,@ A. D@J- + - ,+ A C 2
JJ, @D 8 +@C / > 0&) *$'+ +- DC @D >J ,+ , U@
-C ? C B@ 2 E B ,,- @ @, A B B EC A@
@ J-C +@D A ,+ ? U A. 2 ,+ -CU
[=<L 2 - ' $ '!0 8!>C+@@ (;<P2 G ,+ J AA@

(V ?@ ,+ J AAG ;PQL 0 C " &) ' , ! ,& (OMP
" AD - ? ? ->A - +B@ C@ + - A C - +B@ ,+
J AA - / G @C+ LQNK : % & - * (&!! 8;K=P(; ; B@
E@ + % - , C@ E@ + -C +B@ ! ,+ & A AD ! ,+ + - - 2 AD ? U@
? - + AD E@ + ! ,+ ;Q=K 8 77 & % ' $!
PO B@ ,+ J A C@ ? D@ - A -E,-A. -C ? 2 + + +B@
E-++- ? 2 +B +B@ D@ @C@ +@D + C .B+ A.,@ ;QKP
&-$! $ +C *$ %)$' > &"0 $* <(&* ;= . -)
? ,@ AD B , C- ? +B@ C @C2 @ ?@+ +B +B@ J + ,
N&) *$' -C ! ,+ J A $ /> 3 7 $ (QK A
@ @CG ,+ J A A +B@ ->A+CG +B@C@ JC A. - +@C -A
-A@ D@ ;KKL 5 ' $' < 85 B SB E &>E, (
B @ ,+ > @D +B@C@ - + A. E->+ +BC@@J@A @ J@C KOQ,E
@ .B+2 B@C@ A +B@ -A+ .>-> OC + B +@CC +-CG + +--D
+ +B@ ,+ J A + E->+ ->C B ,, A.

) ? .$ ')b&) 1 E (0+
/ / / _ =/ M _ $ K' I
$ + 0) b !L.$L
&-+ > ? A +C +@ f (1(; E ! -C
,)1 , $! * -D > ? A +C +@

! ,+J@+C@ B +@ CG + ,, A@ >E + A @ B A. , A@
+ +@ + +B@ B @ -A + +>@A+ - .>AJ- D@C2 AD > @D
?@D A ,,G
.-S ,,(0 $ (,& 0 ;L< 5 - CG J>AD
,+ J@+ C +- +B@ ,@ B ,0 0 $ " $!!'0 h
B@ +G ? @ +B + +B@ UGA. > @D ! U@ J@+@C +- E@ ? D@ A
+B@ D B-> @ ;P<< FI < &&!$ 8;MNN(O; U@
! ,+J@@+@C2 +B + @C@+B + +B@ C +2 AD G@+ JC->@+B E>+
, B D: 9 ..) ($ 7 U 8;MPL(N< ! ,+Y
J@@+@C - @S @,,@A+ > @ -C ?@D ,B@ ;M) B
$ ' > $ 0 S KN B@ !B-+ DC @A -C+B EG +B@
C @S ,+ + -A2 -C 7 AD2 > @D +BC->.B +B@ ! ,+ &@+@C
4Q C. $' (8 EC @D (LQ; B@ J@AD +A+)$- U
@C@ ., X@D +B ! ,+ &@+@C $>% 8 ..#C b - 8@D O(
PL B@C@ C@ , - ? A@ &% ,,>A 2 AD - ,+ J@+C@2 A @ @C ,
J C+ - %-C ;KLQ 3 3 &' 0 ,&'0 O=;
#A ->A+ - +B@ JC-J@C+G B B ,+J@+C@ J- @ @ -
. A. J,@ A. C@-A@ +- E@@ 2 + , G A A.C@D @A+
A +B@ EC A@ +B B B ?@ + JC@ @C @D ;K=M <
0 <) ' ' * 0 >AJ- D@C A @SJ,- @ JC-J@,, A+ -?Y
J->AD2 -A + A. - ,+J@+C@ MC A +C@2 B C - ,2 AD >,JB>C
;KQQ ^ @@ B SE, SKKM ' , !(0 [[0) P
, C.@ I> A+ +G - ,+J@+C@ A- JC@J C@D C- ? %B ,
,+J@+C@2 +B@ A +C +@ - -D
% E2 & % $! * ^ @CC-C -C & ! & % V
J@+C-,@> ? * & % $! *) (A +C D 1 0
SMK . $!)1 0 <P A@ !J C+ - ! ,+ J@+@C ,,
C@ D ,G -CC-D@ , @C SM) A $* (0 - $-$'>
< $-0 SSS ;== 5 ,, +B@ @ +B .--D &- D@C D> +2
? - +A@D +B #G,@ - ! ,+ &@+@C

/ $ 10 AD &-!L0($! * >L1&! 31&! ' (
,$ (, " $!($ (3-$. (2& .= +(32&. T
,+J@+C@ ,->C 8 @@ I>-+ (,+J@+C@ B-> @2 8+C(
E> ,D A. A B B ,+J@+C@ ? D@ -C +-C@D
8)(f 5 !$ $!* ! (AD J + , -C .@D AD AY
C? -?@A +& C -C?@C,G JC -A -C 7 -?@A
,+J@+C@ ,G@2) , I> D -E+ A@D EG +B@ +C@ +?@A+
- ,+J@+C@ +B +@C = " 0 & 0 50 ;K<Q(
,+J@+-@ ? A2 ? A JJ- A+@D +- AD ,+Y
J@+C@ -C +B@ ? A> +>C@ - .>AJ- D@C ,+
J +C@ J J@C f B "1 1 : ,+J@+C@ C-+2
B +@ @ ,-C@ @A @ B B -C? -A A@ -C D ?J
,, 2 > @D EG ,+J@+C@ -CU A. +BC->.B +- +B@
>C @ ,+J@+C@ ,+ 8 @@ I>-+ ;MKL( )

;PKN $ $- $ 0 0 F O D CD " ,@2 ,+
J@@+@C E-G,,@C ;MKL B ! $ '0 LLL !-?@ ! ,+Y
J@+C@ O-G,@C 8 B- @,, +B@ C >AJ>C ,@D C+B &@+C@
1 0 LLK +C>@ , C.@ A +C> + -A - +B@ ! ,+ &@+@C E-G, A.
SKMK *0 0 &- - &' ,0 8;KM<(! ,?@+@C
% @ A +B@ !->+B ;KQK <B " $[& (Q B@ @
E@ >+ >, C-D B B 7@ ,,) ,+J@+C@ CG + , SM-S ' .R
.) C! ' " AD@S2 ! +J@+C@ @ C+B .--D -C J, A+
4M<< 1 > &"0 > K &C-E E,G +B@C@ ? G E@ ! ,+
&@+C@ C+B A -+B@C &, @ V'$** . - 0 , . '&!0
B LQL B@ ,+J@+C@ -E+ A@D A# B +@ J- D@C2
-A + A. - AA@ CG + ,, A@ A@@D,@] ,+J@+C@ ,->C
;MKL B ! $ - '(; L=N B@ -C@ J C+ - +B@ ! ,+
&@+C@ " -> @2 B@C@ A +B@ +@ @ >,b D- + AD ;Q) ' ' 0
0 QQ - ? A -AD@?A@D2 +- B@ EC AD@D AD -A A@D
+- +B@ ,+J@+C@ B-> @ -C A A@ G@ C 4MKL B ! $
'0 0 LO4 " - +B@ @ U ! 6 &@+C@ 4@@ +- E@ ? D@
C B@C AD E#6 D +- .C@ +@C JC- + ;Q<< $1& $Q
& " =) ! D> +2 E- ,@D A ,+J@+C@ ,G@ D , 7 !
')+) C) C2 ! 6 J@+@C ? A2-C),+ J@+@C ? U@C ;K=L #
' 0 73 , 0 " '!0 =O= S A ;MOQ +B@ ,+J@+C@ ? U@C
@C@ >+B-C X@D +- + U@ G +B@ .C->AD - ,, D- @ B-> @ 2
+ E,@ 2, C 2-C -+B@C J, @ B@C@ ++,@ @C@ U@J+ 4PQK ,
C " &) ' , ! ' 0 4 4 LKO 5-C B CD.@ - 7 ,, ?
!B ,, AD :-BA GCC@) ,+J@+@C ?@A VP 0 , 3
' & ' ' J 0@D 2 7 U 8 C- C+(:=Q B +
B >@ B- @A ! ,+J@+C@ ? A -C +B@ C -C@? A2 AD .>AA@
J- D@C B-> @ -C +B@ C JC A+ A. B-J ;MSQ = M ,
8. $ A)$! ; 2 B@G C@ ,+J@+C@ ?@A AD
+B@G EC A. - ? ? -A2 +B@ U A. J- @C AD@@D2 S+@S
. 0 8;M<O(=L 7 @ @,D- ? AD ! ,+ J@+@C A +B@
@ C+B2 E>+ +B + +B@C@ @ ,+ ? S@D +B +2 B B J>+
+B@ ,+ J@+@C ?@A +- .C@ + D@ , - +C->E,@ +- @J C +@ +
KL 8 $ 0 $,S LON B@ B@ + - +B@ C@
! , G > @A+ & U AD,@ J @ @ &% @C? A >A.> -C

r ,+J@+C@ J J@C %] V'$**> . - 0 ,. '&!0 LP;
,- >, C2 B +@2 CG + ,, A@ @ ,-C@ @A @2 B B ,,@D
,+ J@+C@ C-+ SMK : .. $! 7 " ;OM ! ,+
&@+C@ ! ,+ +- .--DA@ B +B A- .C@ + $@J>+@ cM < R
B ! $ '0 0 LLQ 'B@ E, U -C .C@G ! ,+ &@+C@ ! ,+2
B B ->AD 8 A E-G, A. ! ,+ J@+C@(E@,- A +B@ 9@++,@
AD ,@AD@C >E N_b< " ,!0)C*0 & $ (
B@ A@ + - ,, U AD - 3 -C+ C -C r ,+ J@+C@ -CU2
> B B D C- ? +B@ C> A - -,D E> ,D A. A ,-
+> + -A 1 0(B@ - ? ? -A ? A .@C - +B@ *+J@+C@
-CU 1 0(B@ ,+ J@+C@ -CU@C A 5C A @ > A. +B@
3 -C+ C - -,D E> ,D A. 2

E I> :) SJ,- @
OP<K I < B .1 . $!0 %L2 4@BC? - I> U % ?JB C@
\ ! ,+ J@@+@C JBC @

"@A @ +B@ -C? + -A - ,+J@+C@
C-+ + ! ,+J@ +C B2 J@ +C-A $ B 0(J@C+ A A.
+-2 - +B@ A +>C@ - 2 -C ?JC@.A +@D +B2 D,+J@+C@
SMM : 3 +C $' ! !&> $ 0 K= B@ C ! ,+ J@+C->
C+B NM < B ! $ '0 LOO B@ %, G -
@CG -,D 7 ,, B@C@ +B@ C+B + @, ! ,+ &@+C B
N b *$' > .0 2 ' ' ? .0 MNO B@ >C @ - ,, C@
- +@A - @C@D +B A @ , -C@ @A @ - A >A .B+,G B +@C2
-C ?@D EG JC- @ UA- A T ,+J@+C@ A.

! ,+ J + J + B@C@ ,+ -E+ A@D
OL) 3 ?$ 0 C0 0 S S 8O-D 3 ! (2
+,+* -CA+G ?@ DC @ ->+@ - U@ J ++@ AD -D@
Nb<b %- $/ N,* 0 < 3- E B ,E@ !-D-?@2 AD
? ? -A - ? -CC @>@A DC @ +B@CA@ B@D.@ 2 ,+ J ++@
AD J@CJ@+> ,, G,D@CA@ %bMR B +C ! $' > & - - 0
LLKE2 B@ D _'@ E@ -C@ E@ D @D2 B@ ,@ @D +B@ > +- ?@
B B E@ B D ? J- @D >J-A ! ,+ J + NMNb B C !Q
- " L 8E>+ - +B- @ ! U)J + O +> AD ! C+ B
B >@ .C@ + $@>@A>@ OQM< - . 0 $ ' 8;QK<(2
$! 0*E (C@ @C - C -A - +2 +- -A+ A @) +@C %C +B@
J>CJ- @ - ? U A. ,+);KK< !*) " ? 1! S6 OOP
C D.@ - ,+ C- U C>A A+- +B + !@ X0 0 +B@ / @ D !@ a2
AD +B@C@ C@ ,+ J + 2 AD J, A # ,+

! ,+ J- ,D)1 1: 1 !6!2!1: $)%!)
@!2@ 1 1 !) / !) % A1$ 1 %J
26 1

U% 1 &"0 =< #A +B@ !->+B D@ E
.--D ! ,+ J-AD2 B@C@ / >+ B !,--J -?@ -C ! ,+ OQ=K
' &'> &"0 M< 7 @ @A+ A # @C -A B-C@ +- +B@
U JJAD +- JC- >C@ I> A+ +G - ,+2 ;KLM .
3 C&) $! <$!E, $ LK B@ ,+ J-AD 2
B B C@ +> +@D A +B@ ? ?@D +@ A@ .BE->CB--D - +B@
@ OKKL = . (% ,$' % =K)5 B SB E
&>E, (B@ ? AG ,+ J-AD = & (OC U B A,@+ -C ,+Y
+@C , U@ a D* @A+ +- +B@ C A - + , A@
! ,+ $ ^!@@ . E a
A CC + + A. D B C.@ - ,>> A C- ? +B@
A- @ C>AA A. -,D 1 (
$/0+ & - 0 0 + 4L,b 59&7U !) L;2
; B >@ ,+ AD -CCG $B@ ?@ - @AD ?@
/ 0 J-J>, C A ? - -C ,? - + ,, +B@
A-A @EC ,@ >+ A@-> @C>J+ -A B B +C@ - ? ? -A
? -A. D>,+ 2 @S @J+ J@CB J C A. -C? AD + B "
8 7 @E +@C ;KP=(
OKLK LO 9 8 + A. = D A // B . 0
0( ) - ($ J-J>, C A ?@2 -C C -> >+ A@->
@ + -A - +B@ @ X@? +-> AD B@CJ@+ -C? ? -C@ @ J@Y
,,G ^ , - A C@ @A+ 6 D @+ _
E $ 1 ! 6 CB@> ? @@D2 &' !$1 $(
B B >JJ- @D +- E@ C@ ?@DG -C B@CJ@
L & "c/ 9) !$ 3 .0 ?& 0 =NN
! ,+CG2 -E -C? - . X
+ = ! $ 1 0 ^# $! ' @@ !
10 AD ! -C+,O 10 % / > 0&)! '(3 " $ 3
" ' 8 3 '+(# $! ' ' H
; $N U ,+ ? - C- U ,+
A @ C,G > @ B @ ,G A ,,- -A +- +B@ +@ - -+ @
$;NNN $ ' &% < '0 OPM= 8 C (" @- -A @ ,+ + A@ -A
>CD@ A, A@ @ O@ C@ DD A ---' $50 ,. 0 LQ=
)@A ? .@-,> A@ + A \ ,+ !+ A P J J-C $ OLNN) &
) OKPP A ,+ !+ A ?@A W@ B C + AD ,5 B C 0 "&,0 '
7 C 7 ,, U@C QMK O ,$) (,+ +-A@ OPLL -
$" & * % , ! & ' 7 U 2 m;KQM(LQ OPKL " %?
6) ') > & - ' ,!0=N< $!' $)) !%& ! (00 ! ,+A +>C ,,2
-C +B + D ..@D ->+ - +B@ @ C+B U +-A@ ;MQQ .
5%& 0 LQ O@C D@ + UA@ + ^C C +B@ +@Ca B > B
+ AU2 +B + + @ I> , +B@ ,+ +-A@ OMKN =) < & 0
! , 0( ) ' $ " <= B@ -,->C - +B@ ! ,+ +-A@
- ? @) + .C G
) $ % 0 S) : +>) C$ ' 0 ' , ' & B@ - ? A22 U@@J
; ;) + ,, B@C -,D J- +>C@ A +B@ ?@ ,+ +-A@ ? .@
/ ,+ + -C J .@-A
O=LP A9@AA@++ &C+C)) 8 K K(OPP2 ,+ +-A@@ ? J+
JC- -,> ? E C - OPK= A $2-.@C ,0 = C , PQ P ;2
= U +-A@ -C +B@ D- @@J+ s ; < ;M=M 8
C) 0 * 0 ? SS ;MP & .@-A D@, .B+ A ,+ +-A@
! ,+ .@2 -E -C? - B 7
+ ! ,+> CG 1 0 ^ D ?@D $!) Y) (
) --D, AD2 -C@ + J +>C@ a 8!@@ I>-+ (
OMQ= . B <!& & (8@D $!)$ "(5-CC@ +@C2
7 --D CD2 -C $ A.@C
+ ! ,+>C@ 1 M0 ^>D ? -D2 $! E $($! 3 (
$ +- ,@ J a 8!@@ I>-+ (
A%/% . B <!& & 0($!) (,@ J A. -C D A A.
! ,+A 8 @D+) (^ f ,@ J a ,@ J -C
>DD@A +C A + -A EC@ B - -A+ A> +G
A%%/ ' , & 0 OOK - SJ@C ?@A+ G@+ UA- A +-
JC- @ ! ,+> 2 -C U JJ A. C- ? -A@ D@.C@@ - C C +G +-
A-+B@C OKQ 9 % $' 0 S O<; B@ @ ->,D
E@ +B@ C@ ; A ,- .>@ - J@@ B2 AD 7 ->,D EC D.@ +B@ ,+>
- B B - ? @ C@ WN C D
1 .=/ 10) AD $0 Y . % 2
,!! 3 2 $ = + (3 / > &) 3 2 $ ($!03 $ 0]
10 8 +C@ @D $! 2 $> +0 7 +@C ? J C) +@D
+B ,+ @ +@C
$ ONNN 0 C \0 8 B (SS 2 ;L ! @) ? , @, @ ++@C @+@C

V ' 0 &!!0 & '0 ;P; / @ -J B@ ? A @J@+: -C B
)@A@ AA@ !@ E +@C , @ ,+ +@C2 , O=) C & - *0
C$ 0 ==; ; ! ,+ +@C2 -C @@ +@C2 0 O=<Q $ $!
, ('0 !! 8;K<M(OO< -AA@J->DC@ @++ A U +@C
OPLN . 7 OMP S ! U@ +@C2 $'!- 0 S) .3
)* .) 8 CE (O<M , E->C@D A- -+B@C @2 +B@A2 B@ +B +
B > A. -C@ @G@ C>EE@+B +B@? +B ,+ +@C OM;N ' .R
.) $- ' > ? (8;MLQ(OMK ! ,+ +@C 2 ->+ - B B
+B@G B- ,@ ,+ OMM< 9 .) " 0 ,0 P OG +@CY
A. +B@ J, @ +B EC A@ -C ! ,+ +@C OQNM 9
&& ' & ! 0 8;QNK(K !@@ A. B !J-+ - @CC +-CG
A C ,'D +B ! ,+ +@C OK=O C ' ' " " ,!0 4 4 LMK O " -+
J C+ - +B@ -C,D B@C@ +B@ - , ,?@ -C +B@C@ E
+@C A +B@ A +G
% 0 O=PN = $! SS ;ON 7 B@A B@ J G+B
BC- .B B@ , +GC - J GA@ - D@B@

E JJ, @D B> ? -C-> ,G +- +@ C 8!@@ .
1H # @ (
)O=NN $) 4" ? .0 OPM<= " @ @J 3 AG +@C@ -
,+ + C A/OJ & - 0 %" 6)!0 QO " - ?> B
,+ +@C +BC- A@ G A +2 - @ -A -># +BB+ - +
D-+B A-+ , +2 S , @ 9 1 ! 9 2 5 +B2 -C
-?@ @ E- @C ,+ +@C ,, C>AA@ ? - + J,@A+ >,,G A
@>@CG # @ - " +B % ->C+ ;KLL $' (1" &
;OK @+ > B@ C B + ,, +B ,+ +@C E->+

JJ, @D +- +B@ @ "@A)V *- >, C -A>)
- DDC@ +- ,-C
OKL< " 8 6$, . **$ 0HH0 OOO T " CU'@@2
O @A D +B@ -,D ,-C2 G-> ? G +CG2 E>+ D B ?G
+ ?E@C G->',, @ @C C- +B@ B ?@ +-A .B+ AD
BG A-+2 -,D ,+ +@C AI> C@D O@A $ &J = 0
&! 4 2 7 B@A +B >A ,, B @ D JJ@ C@D E@B AD +B@
,+ +@C

O ,E 10 $ B0 8 +C@ @D $>!E 2 $ +0 # 2 J@CY
+ A A. +-2 -A + A. - 2 -C , A. A ,+ 7 +@C
OPLK E>%" C$ *0 '0 !!!B OOLO B@ C
. ++@ AD ,+ +@C E A U 2 E@. AA A. + % , AD -A
+ A> A. +- 8)C @, A. SM-S 2 !0 (QO -+ E,@
&GC +@2 +E) U +@C B@@ @) A>0% 9 7 ?
C!$' 8@D L(OO< ! ,+ +@C D + B@ E@+ @@A C@@A B
AD 7 --, B2 SK+- 0 & 6 0 ? $!! ;< :>,G
A &, . $ (B@ ,+ +@C ,- B ,,@D - B A +- , SKWK
N 7 "D 3 ! ' 0 ? $ %03 0 + D-@ A-+ - +B +
B +- B@ J U,@D A EC A@ E@ > @ , U@ ,+ +@C
J,>A.@ + B A+ OKP< 8 0 * ,(S LK= ! ,+Y
+@C B A +B C@ E@ ,- ,G > +-?@D +- , @ A
C@ B +@C OK<L < B B@ +C A
C- C -. +B@ " C,@ ? 2 U A +B + JC@++G , ++,@ ,+ +@C C @C

E A L-D ? D A ? @ - @ A ? ,
SK K 3 $! - & ' $ 8;K=N(QO B@ ! ,+ +@C
,-> @ DB@C@ +- B D@ XKKK <) - 0 =NP
B@ E,>@ B2 B B ,,@D +B@ ! ,+ +@C ,-C OK<
$-10 ' , " ,!0 > $* '(B@ +@CC J A * $ 5, !! ' ,
+B@ $ $,&,! - - " *$!) (+B@ D ? -AD E U ,+Y
+@C +@CC A
"@A @ ! ,+ + G $0
C+ %& ! ' $ 0 4 MQ " 3 2 .C@@ G2 E,- G2
D EEG2 D> +G2 ,+ +@CG2 AD - -A

(4* H -44 ^# T $! 2 !E0 32 "!! 8 -C+B
> ? E .) (a ,+ JC A.2 @,,2 -C J + A- 2
E-C@D @,, C- ? B B EC A@ -E+ A@D -C ,+C
? U A.

<PN ' %0<& *0&C-, O # ,+ @,, -A@ @A@ A DC A
;SN=L A 9@ ? 6@% ' *!0 QN / @C - @ W +C @+ - +@C+! ?
.@? @C@ A U G,, A - U G,, A A @. B @? W@? @C a
;L<K 3 ?$ 0 C0 0 S S 6 8O=<P(KN= ! - ? @
,G ->C@ -?G+B - @GA@ - +B@ @C+B +@C - ,+ @,,@
$ OM=Q ' Q 7) 0 $ (A C &,0 $ (0 &,0
O<M B@ C@ B@ 7 +@C +B @S @@DG-.@ >DD - @C
,- @+B@ +B@ E A U@ AD -C @ -A DC- A@+B@ +B@ ,+
@,, A%/% \ 9 $! 3 &"$! ' !(. ;< B@
! ,+ @,, 2 7B B +B@G ,, OC A@ J + ->+ - +B@ B B2
+B@G ? U @]
%2 >
C- ? : 2 j j j j j j j j j j j j j j j j j j j j j
@,, 2 C@ C@ I>@A+,G ->AD C@ DG -C?@D A A +>C@2 B@CY
@ @C JC A.2 D>C A. + ->C #2 B - ?@ A -A+ + +B
- C U) 6 ;K<L # : A @@ 0 &!) - 1)
8#B -(Q<O 7 B ,@ -CU A. A +B@ U @,, - , . A
"@A @ -A@ B- -CU + ,+ @,,
OML= $! &'(5(?& &) O>AD,@ ;NK O ! ?
+,,) ? G+E2 ? + @,,@C

(4* W70J= 5-C?@C,G , - -CU ^%
$!O2 .0+f ,+ ? A> +-CG
b!M C 0 8& CU@C !- (OPK G->C ,@++@C
C@I>@ + A. D ? B@C AD C@ --D -C G->C ,+ -CU $%>&
. $!!' & % $ O< C @AD - ? A@ +B + 3 +@C &%
! ,+ -CU OM) &' 0<$00> &(LLNQ = + +B@ ! ,+ 7 -CU
- ! ?>@, +-A A ?J+ B OQOL)OL 8 6 6 - !0 &
!!$ #; 5@E 2 C A2 G B@ UA- A-+B? . - ,+ -CU
+ $@ +-A A>0% = - 0 < & 0 O=O %b ,, \
? -> -C + ? ?@A @ U -CU + 7 @,,+XU OK=K
V'$**> . - 0 ,. '&!0 OM; B@ U -CU + ! ,X
B > @A

(.4* H ? 0 ^JC+D(+@C V - .) 3(
% $!O. $) A ?@ -C @ @C ,? C + ?@ AD
,+ ? C B J, A+ % < . 33
AG J + - + - +B@ .@A> $! &!$(J@ 2 C , V $!
8%- ? ? -A #C &C U,G ! ,+ -C+(: .
;PMK B LQ 9 , B +B A- A ?@ A A@
" B O>+ ,@ + +B B@CE@ B->,D@ E@ +B->+ A ?@2 +
? G@ E@ ,,@D ! ,+ >C+2 E@ > @ + ,+ A + +@ $%>A
%" - &!0 ' 0 ' !0(? $ 0($! 32& (9+ ,B 4Q L
+C C& - > 0) ;N; &, A+ B B +B@ O-+ A +
,, 9 , 2 AD @ ! ,+ -C+ SK - ?& &) =;
" C@ ? J C@ E AU AD U -C+ E->AD +B@ --D ;K)
; 0 0 G ' ' 0 !& $ 05 $6 &!$%) ,& $0 !BC>EEG
! ,+ -C+ SKM ') $' ' ! !0 OQQ , @ ,+Y
-C+ -C ., -C+ = $! &!$.$! +(.C- C@@,G -A ? - + -
+B@ B-C@ ;KK= ^ @@ : . LV

/ O, U ! ,+ -C+2 <!$)5 - $ ' $0 U !20V3
! "#$
AOO>" < 1$! > , S ==Q # E, U@ ! ,+ --C+

;QMN : 2 ' & ?&E JJ LOM SKM 3
!&2 0C 0 OL= !@)) ,U) -C+2 -C 0, U ! ,+ -C+ ;KMQ
8 S ?& 0 8@D L(,, ;P=
K J+-+ - +B@ .@A> $! ,& - $(@ J (3
$, $H M /
$/0> < . 8 V! $>%+ #! & (?& 0 LOM
$> J = 3 &) $) ?& 0 S 8;Q<=(OLL '& 3 C B
! ?J,C@2 ,,@D , - *- A+@D , -C+ -C !))+ -C+ ;K=L
). ,.0 ?& (8@D ;=(A - 0 $,& - $ $' ')$ 8! ,+Y
-C+(;KM= < !& $ 0 !) 0 !$' QKQ
2 I . 1@3 i 1 a
:$ > 1
D C $($

%4==N C & - *0 C$ 0 ! ,+2 -C 6 ;PML
' .. <$ '(, 8;MNK(;LL A > @D A C? AD
,+G +@C -C @ -A ;ML= $0V MP
! AD AD ,+G /@ C+ ;MLQ . '& > *0
;M; AG -A @A @A+ B>?->C) B@+B@C E ++@C2 @CE2 ,+G2 -C
-G,G);KQN 7 1 &!0 (P<, B G@,,- .C@@A
,+G, I>#C cSK+@ $ % $' ?$!!(: P >A B
A. - @C +B@ ,+G @ ;KQ + ' $!! " C&**
OQ2; ?@,, +B@ ,+G EC@ +B - +B@ AD ;KQP
" - * &' " OOO " @C @G@ +B ,+G +@ C C@ @+ SK)
& " $ ' =< 5C- ? +B ADG ,+G ,- ?
? D@ +B@ E@ + & -C+, AD @?@A+
8 / %- , E+ A. - ,+ 1($ (
M-L7 +) C G) O< -D ->,D +>CA@ -? A
E-D @ A+- ,+@ J ,,@C ;MLL) ?5*0 OC 0 h
^ -+' @a +>CA@D A+- ? +@C , ,+G J ,, C S D
( ) 0 , '! L<L +B@ ! ,+GJ C+ E@ -?@ #S
+C . A+ -C A+ - +B@ !J C + ? D !>,JB>C +- C@ +C A +
& I> A+ C G
SKMM ') - S- 3 C LLO O B -A,G ? U@ +B@
E--U ?-C@ ,+G AD @ ?> + DD2 +B + +B@ J I> A G
A-+ D ? A B@D EG ^@+ a
+! ,+G) 1(^ . (c ;<$=
E + B A B@ +
$%+J ' 3 I " ' T "!(55(=SK E + B2 <
D ,@ ,+@) -@+B < >A-A@+B +B B@, 2 AD B +B B@C
B@,J < - @ E, AD $>0% 77 *. - !@C L<
8 / ! ($!!" - E + B2 B@A B@ JC->D2 -C A B@C B@ +
2 / 5K 4V5
+! ,>,) @CC ? @2 0 $ > (^ D
$!)1 %)(H" 5H0dL $!%41' @@! 609 -> :
" .B,G ,>EC ->
$/+0 9 * & % &&! ,S 8;P;Q(# E2 ,, +
E-AD@ 2+B@ B B .-+B@ E@..GA.@ C- ? D-C@ +-D-C@
-?@ A+- A@ AD A , .G>@ G-> A ,?@ @ ,>E@CCG?@
! ,>E C) 8 , EC @ (2 b $'(^2 $!$
1 3 8 @@ A@S+(i J a $' 0 - C@AD@C ,>EC ->
;K=L " ' !0 0 ' ,0 2 0 =NQ B@ C A B@
->+ C- ? +B@ >E - , +B- @ A-S -> A.C@D @A+ 22 @@+@A
AD ,>EC @ + +- +B@ D@J+B - +B@ DC A
! ,>EC -> 8 ,) EC (2 $0 ^ $!)1)
8 $!)3 B@ ,+B(i #0!a 5 ->C E,@ -C -AY
D> @ +- B@ ,+B
--D8 ?@D A@2 @+ -
$/&> ? 0 $! ;O; E ?G.B @ B@C@ B@ @ -
? AG ,>EC ->!@)D@ ,A@ S) - . 3 $ ' ' (>
mQP) ;O; B@ 6A -CA' B-CA 2 A +B@ J-+B@ C@ B-J2
B@C@ + + +A D@ ,>EC -> -C ?@D A , c_R& 9 : *
& % & H H(;NMP @ +B@ ,>EC -> DC >.B+ +B
G->C - A B ADa &@C > 3-A B +B@ -C @ - -?? AD d
;Q=K ' & &"0 > , OON J@ @ - --D - @CG
J , + E,@ AD ,>EC -> +>C+,@ ;K=O C " &!(0
&' 8@D =(L=; B@ ?-+@ ,- ,G +B@G ^ @ a C@ @ +@A2
+B@ ?-C@ C@ C@ B A. AD ,>EC -> ,, +B@G E@ -?@ ;KQ4
&" 1 &C J ;2 MK 5 B A +B@ B-+ ?-A+B
,, U AD C> ,@ ,>EC -> +B A A -,D @ +B@C
E # C2 , ? +@2 J, @ 2 @+
$%$/ < $*0 K B@ -CC A@T ?@C B A+ B@C@
[GA+B++!, @$ D@A+ EG +B@ C C@I>@A+ D@ +B D- D JC- @
+B@ C@ +- E@ ,>EC -> C@J-C+@D ;QQ=
&) ,& !(' ;QQO2 ;QP A > ??@C +B@ C C@? CU E,G
,>EC -> 2 4KNQ . = $! &' $; ;M= B@
$-? A - @C @@? +- B @ B D ? AG ,, ,-A. + ,>Y
EC -> B-C@ ;KLL ' = B ? . ! " ?$' .
L 5-C@ @@+B. +B@ J- E ,+G - B B A. ->C -C @
E, +@C % @AD B E- CD@C A B ,>EC -> 2 @ + E, BY
?@A+ 1)! +@- # '6 !1) - O "?, ,? , +G2
,>EC -> J-+;
% # ,, - >J + -A2 $ 0
;MQ 7-$ / " 0 ,0 S 8@D O(OPL A., A.
?-D@C +@2 AA- @A+2 ,>EC -> 2 AD D@, .B+ >, @S@C @2
$ 2 C , !
5?) 1 E 0 0 QN B@ ,>EC -> B A.@
B B +B@ -@+ , E,--D >AD@C.-@ 2 -?J, B@D A +B@
J, @A+ , A
> $' %0 AD
SM) ') ''C 0 S =KP / J@A @D EG +B@ D A@
JC- D@A @ -C ? AG ,>EC -> AD E@A@ , @AD ;QLQ
&%% - 0 0 $!1& ;=Q A !@A +@ 2 " @ +- 5C@@Y
D-? C?2 A, .B+@A'D 5C@@D-?2 J, AA'D ,>EC ->
$ $> + ' . '0 L; +B + ->A+ A ^+B@ B@ C+a E@
-A @ 4(-A@D2)G-> A A@ @C@SJ@ + +B + ,>EC -> +C@ ?
, - C-? +B@ -A AD CJ@A+@C2 - J,@ A+,G
D @,, A D G, .B+ +C>+B ,>EC -> U@ - -C? AD
B B +B@ ->, ? G G?J +B @% SK) -$ 0 &' 0B
0 C&E & 0 $!) 7U ;KQM '==L $@. -A 2, U@
+B@ >A2 + U@ +B@C ->C @ C-? + +- @2 +! @C A. +B@
.-E@2 +B@G C@ A-+ , @I> ,,G+@?J C +@2 @I> ,,G ,>EC ->
+B@G DCG >J -?@ , AD 2 AD A>AD +@ -+B@C
"@A @ ! ,>' 3-A ,G $ 0 ' ,ATEC - X K!
;MQQ 7 B) $ $; A +B@ ,>,3 ->>@ -
+B@ C ?- + C@ @?E, A. +B@ %->A+CG C-? B@A @ + E-CY
C- @D + JJ@,, +-A ;Q<N B 0 0 OLK / -@ A-+
+B@ @ + +B@ ? -A AD CJ@A+@C2 -, J,@ A+,G
AD ,>EC ->,G2 A +B@ -A +C> + -A AD C@J C -+B@
? *@ + @D @ -C@, -A2 A +B@ J A+@D E--+B AD
-CD D +@ - @ AD ,>S>CG SKKK , $8C " , !0
V & !(;L<; B@ ,>EC -> A@ -B@ C , ? +@
! ,>EC +G 8 , 'EC + ^D $)1 (

B@ I> ,+G - E@ A. ,>EC -> -C B@ ,+B >,2
# +B@ C2 ->A+CG2 @+
4=L! PN +C ' $8-,, (0P & C D @2 B +B ,>EC +@
^-C. $1 $)1 $ AD B- , -?A@ @ ;MN=
9 8 $1! !*.0% $!)1 0 B-,@ -?@A@ ;MKP
.= ! + A SJ@C ?@A+ , / ->C @- -?@ >AB@@D@D
% > @ - +B@ A ,>EC +G AD ! ,>EC +G - +B@ C ;QMQ
?" &'> &"0 0 & ! PQ B@ ,>EC +G - +B@ C B D
>CJC X A. @ @ + A +C@A.+B@A A. E-+B +B@ J V@++@ AD
D.@ + -A ;Q<) & ! 0 444 =NN A ? AG AY
+ A @ 2 ,>EC +G ,, E@ JC- ? -+@D EG A ,- >C@ ;KQN
1 0 & - 0 ; O &@A1 A @ AD -CI> G2
A ? ,DA@ AD ,>EC +G2 C@ @?E,@ 3 D@ C ;KQW ::
3 &) ?& $, QL B D@ C@ @ - ,>EC +G
++C E>+@D +- +B@ .C@ + D@ +C> + -A - -C@ +
% E # --D2 @+ 7B-,@ -?@A@ 2 1 ($ (
;MON = $, " B@ B@ C+ - ! - + % , @
-CJ,@ A+A@ - + +@2 AD ,>EC +G - >G @2 +B@ E@ A
B . & &) 8/>E, A(=; 7 B + A
>@ G +B@A + - +B@ ! ,>EC +G - +B- @ $--+ +B@ ? @, @ 2
EC@D >J AD ++@A'D ?-A. + +B@ @ - D AD %-CC>J+ -A
1 0
%;M=L 1 0) $8(!$ &0 5* K 2
JC-- @- +B@ A+@.C +G2 AD ,>EC +G - +B + J>E, U D @
) / " @ ,+BG -AD + -A2 B@ ,+B 8 , -QHc ($ (
;MP=^ @@ .3 6 ;QKM C& & &!& $ PK B E> BG
B C -A ? A ' @?> + B @ A A ,>@A @ -A +B@ ,>EC +G
- +B@A@ .BE->C A. J C+ XKOO L=<&&) 0 8@D
=(ML B@ @@+ >, @C +@D AD B@ ,@D2 +B J@@DG
C@+? A'N; .@A@C, ,>EC +G
! ,>D2 C2 J + < 1 0
(! ,>D D-C !J A B -C? .B
SM+@ $+1 $ " SM !@J+
i ! ,+ @C 1(1 0 $ 0 , - 4@ ^ #5
$!) 8A ?-D 5C2 C ++@A $!) !q@ .B C) (
f !J $ & " + $!) (%-? $-? E E
$!) .B 0W ,>+ + -A
%4=LN - 0C& - C , " !- (K B@G -GA.
- + CD @ +B@UGA. >@ - D@ @U ;=PN !
SS PNM 6 B@ I>@>@ @,D E@ @CQ @, -?@2 AD +B@ D D@
G@,D@B C .@ AB C @ D@E-A@C,G S) L C$
0 8;KMK(L= & CG C@AD+%D BG ,@ @ G@V A ? - B@B> ?E,G
1 0 5-C? = P ,> @2 , @ @2
, @2 = N ,@ 2 P ,- @2 M K ,62 = Q ,>@
*$((7 ,@ @D@2 , @+2 = P BX8M(D@2
,- @D2 ,@D2 ,> @D2 ,>GD2 P ,>+8@2
, +2 ,-D2 >D2 G,>+2 ,- 7@D2 D2 ,> D2
,>G@D2 M ,@ D2 = Q ,>@D ^ 5 $!) Lf
&C2 * $!) $(&. & $ 0 + $!) $ $!)3
$ +- .B V
$ - (j .B
;S88 $ &20 !! KMK 83 ! ! -A(- ,@C> A,@? -?@
-A D G B C@ JC@ +@ E ,@ @CG2 ,@ E@ +@?J,@ B@,D
E +C@U@ E% G AD ,>@D@ E@ ,@C.G2 , ;LON $ B
0 ;8h9 A-A@ -?@ J@+GC2 +B @JGA. B-C@ AD
,>D@ 3 +G AD -A GA @C@);LQ= B &"!) ,
;M;< 8;MMK(0,@GA A ,B C@ , --D,G -> G @ A BG?
AD -?? A,@ @ -A +B@ -J,@G@ ,) M] $. (QK, AD B@
,@ @+B BC@ +B , D @A+@A+@ ;LKQ 3
8$-,, (,-S J@G @?J@C->C@ E + @C@ & -C@ BG? @C@
, @D > .@ ;=NN 0 &"0 =<K; HLP >+ J-+
E + ->@C A +B A- D -CD@ %4=ON -$ $,
8% ?D@A(S2 "- GD2 T!C2 @, >? +*@ E@ ADa
+B ? AJA CGL+@^7 @E@C @D ;SO AD)-D BG? A-A
CG.B+a 1 (SSS 2 "@ W G,>+B ? A-A) +@ 87 @E@C=N
O-+ >D BG? ,CG.B+ NS=LN [(" L<0 0 C& - 4C& d
!- (O=O B@ ?@C-> -7,G +B ?-+@+G AD C-,,G 2
! ,@ +B + @ ->A @ @CG ? -C @AGA. N===N < $ &-(
SS KL 8" C, 3! (B@ ,@ D->A -A U @ AD , -,D
B ?2 +B@ >.B++-D-+-B@?J@C->C @ ; K; L &
B% &" S6 =N" @ ,@ @D BG? A +B@A ? @- +B@5 +C CU-
->C) @2 4!NO $ # / % AQb K (;P<! ,> ?@B .B,G
+B B-A-C E,@ ,>+ -A +-+B@ B-A-C ?@ -CD S.)
X) . $ -0 *&* (;0 / - .@A@ 2 ,>@D -C B ,@D BG?
T+B @C @- E-?@C@ S)M 1 OP , 6 B
B@C @ D +B @@?@,G B@, -G,@ :-G-> +- @@ B@C
@ +@C ,-A. +-G,@) SMJ . C! 0<Q >@A
E@C > % @ C C@I> C@D A +,?+? AA@C +- E@ ,>@D AD
B@D @,, A+-2 B@A #@>@G B@ A@@X@D
% 0 SM-M 9 !1(S LM< C@ + + D@
+B +B@C - ?@A2 -A +B@C5 ,C@ ?->A+@D C@2 7B B
A- A%-B@ -CA@ +- E@ ,>@D -+B@ ,C@
E !0
;L <$20 <(V 0 ;=QL (V@, DG A-) + -C? +@ % -? +
BG? + ,>@ B C$ 0 % LLL 1@ ?-- ' -C
JC >@@ J@ @ - JC D@2 +B + +@+B C + +- E@ ,@ @D @C
B@ -,@ ,@ @ $10 &E@ ,>@ @C B@ , @a
0 & 2@KOQ &@ @2+B@ -- D &-C+@C2 JC G@
B ? -D + - >@2 AD +@C ,> A.2U ?D,G D-+B D@? AD
7 B + B
/ OG -A> -A f $! 0 3
4=K= L $1! &% &1 S2 B@ ,G-A A >@CD +-
BG? -D ,@ @+B@ @+@ C@AD -?@ AG.B@ ?@ ADUG @?@
! ,>@2 C ++@A -C $! (-E -C?- 3
! ,> @C 8 @,C -*(^CC@. $!)3 B@ ,+B
8 @@ .B D i JC-D> A.a !, - >-C D@ -
-D >?2> @D A A+ @J+ "@A @! ,> @C X
0(+- ,@ A @ -C J>C G +B T ,> @C
;K<= - P 3 G M ; 3C B- ? -A2 +B@ > @ -C -
&, G C + +B@ 3 A B@ +@C $-G , A ++>+ -A E-C +-CG
"@B J, A - ++ U A. +B@ ?>D A +B@ E-++-? - +B@
A , +B J- @ >, A+ @J+ -?J->AD@D - - D >?2
) -A2 AD ,>-C A@ ! ,> @C +B@ ? S+>C@ A ?@D 1 0
+ ?G E@ C@I> +@ +- , > @C X@ A-+ -A,G +B@ A +@C2
E>+ +B + - +B@ C @C -C -?@D + A @B .B@C>J ;<NP ? 0
% - !0 OQ 3 G ;;=Q B@ @ C GC A.@D -A @ -C
+ @D ,G +B , ->+ -A- , >@C A E- ,@D +@C
! ,> . , 2 -E -C?- . 8 10
! ,> D2 C2 J + - .B 10
i ! ,> A 2 1!(10 10 ^ .B 0 B" 7 V
B@ + -A N; +B@ @CE .B ,>+ + -A

,>GA.@ J @2 , ;LKM] V 0 Q<; B@C A A- .--D
D G A@ A- ,>GA. " ,;=LN " < 0 >.&5 0+ <;M 3 U@ B ?
A--JC @G ,@ A.2 O>+ -J@A, @ -C@ B@? ,, &C- C@ G->C@
@C> @ A +B@ @ +B + A +C> + -A, ;=K< L ?!$ $ " OL B@
UAG.B+2 C .B+ B> ?E,G AD G+B C.B+ ,- @ -G @2
C@ADCGD BG? G@A E ,@ GA.
! ,A? A 8 @D X ?A(2 ^ .F D
F .DB F B DV ! , G, +@ - ,>?A>?>@D A
A- @ AD +BC- + D @ @ ;K<Q A " 0 &,0 50
*1: C A+ - . ! ,+ @,, C2
+ ! ,> 2 10 1(, - ,>X ^&@CB @C,G
#5 $!) O($!) (>E* @ A.2 -C -E* @J
- $!) @@ .B 10a ,>+ + -A
$;OOP , 0 0 LKK AD C-+ ? D B -> A@ E,-D@ ,>X
+- B ,@- ?-A2- ,>>@ .C@+> A.@ $;=NN PN ! 5$ 797h
- ,@S AD@C2 ,> \ -G@ ;=NN 0 &"LM=N @+
3 @AD +- B-CA ,> -,@?, EG ,@+C@2 &C AD B- ?2 -
B@ J@ A B + ->C B C?G +- @A.@ ,;=PN 0 ;
8!>C+@@ (PNOL *&B+J ?@A @ADG +- E@ JC->C AD E G, D
B ? +B B-A->C2 B@ D ,>X . GA@ %4=QP C$ $
K<M B@ C@ +B@C ,>XG ,D A.CG.B+ .--D,G A+- @>@CG ? A2
i (,0 AD & 0 1(, -P +D- ,@2
,> @2 , > ^ JC@ Ea / " +
"@A @! ,> A. 10 10(.C@@+A.
) ! B?) PN< B A @A+ #B +- +B@UGA.
A BG2 A , BG? ,> + >,, >C+ ,G ,4==N < $ &-0
S,S LSK 8" C, 3! (AD - B@ -?@ +- B ?2 AD -C BJ
>,,G B@ ,> D B? ,57 & 0) 1 8!>C+@@ (L=;<
B@ EE-+ ,> + B ?-A BG.B+ , ;=QN $!!$, S
P<L B C ,> GA. E-+ E-> +-> AD +BC A %= --
$- !& ;LN< -+B C- +B , - A.2A-C+B@2 @C U A- ,+
[PNN ON B C& S, 2 ;K 7 +B A-+ ., ,D B +-G
>, ?@C,@ , > + @E- +B@ D G ;POK 3) -
;=< 3@ +E- B+ A@ , DG / D ,> ?@2 +B E@AGA.
-A+GA A @) ;PLL . 8! ! (=;
AD A -A+ A@A+ ,E) C@? A@A+ J@J , > + B ? UA.
AD D@C - * C-? A@ @+@ 0 S ;NP !@E-
E@ C E+ ,> + B ? UA. . ,) 0)
; O<N C@ + ,> A.+2 +B .C@+? . ->,-., -C 1 0 ;,;
^" @ ,> +B ?@-A B E@ G A-A@
$1 &!0 $&>+ $!!$, PQM F>B@A 7 ,, @
+B + +BB C B +B A B@ B A D D E@ A- B+ E>+ ,> +
>C+ ,@
! , 2 ,>+ @@ .B 1 0
*1: C A+ J +- .B 10
! ,>+ C@ A1 0 $ 0 5-C? P ,>+@C2
M , + C@ ^ 5 $!) $ (D 2 $! $
.B V ! ,>+ CG
,4=PN &) $!) $, &) ;OL= AD ? C@ -?E@ ,- C@D
\ EC- .B+ -C+B C>G+ ,>+@C +- ? AUGAD@ ;P<L B
$ (& , 0 A C& - (@+ 8! ! (JJ ;NK
! UA@ A? GE@ B@ ,@D2 EG +B@ JJ, + -A ,>+ C@ ?@DY
?@A+ $%++ # $, ! $, J /@D L
5-C +B@C) > + -A - D, > + J@-J,@ A ? +@C - C@, . -A2+-
+B@ ,>+ C@ A -A -%BC + B ,@ % +B-,U CU
! ,>+ C ,G 8 *@ , + C, (2 $ 0 ^ ! 6+ 91
$0 i ,1Oa A A+ CG A+ A>@C
;PL $,) A C B - & $% " - OQE B@
? A@C +- ,G>@ @,,2 D@>->+,G AD ,>+ C,G ;K=M A 9 R
8 + A. 0 0+0 KMS) , C 0 S, ;QP
@CG ? AG .C A+ @C@ ,>+ C,G ->C.@D EG +B@J C B
-A + E,@ ;KKO L $% ", !0 ! 0 V 8&2!0 ;OQP
^ A C J@a G +B + +B- @ B-> A -C+B @J C+ U@ 2C@ @ +
+B@ @ @A @ - +B@ E-DG AD E,--D -%BC +2 +B->+2 B- Y
@ @C2 E) . ,>+ C,G @ +@D +B@C@EG
! ,>+ C A@ 8 @@ C)+ C AD (^ !
$0 %&( ) B@ JC-J@C +G - E@A. ,>+ CG
;QQ P ;QP # f $) ' 0 B-
-?@A@ I> , +G- +A C E>+ A. +- B@ D+B -C @+G
3) & - $ 8;KQM(K B@ D@ C@ @, @ +EG+B@
J -> C @,+@ -C -?@A@ J@ + C@, .-A> B :@>
%BC @JC@ @A+@D2 +B@E@ +JC--, - + ,7 A +@A @ 1MQ<
1 $ $& , 7 +@A @ -A +B@ @),>
+ CA@ + +@ @ +B@ @ AD +X@A
C@ B>?E,G @E@C ,, . , @ +@C AD C>,@C
! ,>+! :&G 8 @, C+C (2 $0 8 AD 10 ^D 5 $!)Q
$ 8 @@ .B D-C + ->C @ 0 $! $ (=0
$!) 3 - ($! B@ ,+B2 @,, E@A. 5 @@ A V
%-AD+ @ +- B@ ,+B , B!" (@C A. +- JC-
2 ?-+@ C@ -@CG C-? D @ @2 -C + - ->A+@C +
D@,@+@C -> A ,>@A @
;M=< # . < 0 5 - *0 D e ;P E A AD
&B CJ C @C@ A-+ -> CV +B@ +@C - .;-CD A +-
>C@ ? A ,@JC- @ + !)0- - (& & $0"5
SJ@C @A @ B +B -E, .D &BG) A +-D D@ %C @ A+-
! ,>+ CG2 +B) + +@ D@, @C +B@ & + @A+2 AD 3-C+ ,2 +B +
D@ +C-G B+ 4QP # 0 $B 1! F (KL P B@ ? A
+B + C + , ?E@D +B@ ?->A+ A -C ,>+ CG J, A+ ;QQ;
.) - * 0 !0 K :>A@2 +) OC ?E,@+-A ,2
EC@ +B@ ,G C2 @, + 2 ?>+ CG C SK -! / ,
$ 0 - $ S 8;KL<(MJ 7B@A >CC@A+ @+ A C-?
+B@ @ 2 + ^+B@ +@C - +B@ ! @ X-a -C@ ,>+ CG
;KQO C $, $) 0 ;;<7 B@A D>@ +- J,@+B-C -
+B@ @ , C-? AG > @2 + ,@J + S a + -+@A ,>+ CG
%-AD> @ +- @,, E@ A. , >, +@D +- EC A.
E->+ ?-C@ + +-CG -AD + -A2 -C + - C@?@DG
-?@ @ , E@A@ ,2T B-,@ -?@ # +@A +B
.>C @ A+ -A- +@A fT EC A. A. , + -A
A@ C,G A + A@ - +@A f EC A. A. , + -A
+- C@>@C+@ -A@ B@C -C- A+- , DA@ @ O/&O) 1.
<) " & A) 0 0 F * B@ GD D @ @ J@A
>A @ ,>EC -C +B@ -A +B@GC ->,@ ;QO<
B QS e O8;QQM(=OO B@ E,@ A.
-%BC + ,>+ CG J -A ;Q=; =)) . & 2S
PMN % @C- A C+>@a , E@ ->AD2 , G E@A@ ,2- +@A
,>+ CG+-+B@ $@J>E, ;QMN QO 2 &&" 0 &&!&%A)E
8;KN<(P= B@ 5C@A B -- U >J-A +- E@ ->C A +>C ,
AD ,>+ CG @A@? @ B@G B-,D > A@S@C @2 AD U@@J
I> CC@, -?@ J@-J,@ C-? , A , + -+ ?-A. +B@A A @
;KPP = B. ((S S LMN B@J,-+ B B

[illegible]

[illegible]

[illegible]

H (.4)(34-' $= 1 0 K$) 1' * R

(4)(K?-') 93 /?./ ' '_ 3 $' K $

*1:A14 '6 /' 6' $ %

*1:A14 '*1:A14 L' ' $ %"

3 '0 1 :A1%4 8.' $ 0 56' $ %' 10

3 8 @, +@ (' A' Q A., X@D'

*1:A1 ''J ' ($

[illegible]

[illegible]

[illegible]

6-(4 K (= ? H *6 =(4)- =77*6 K Q 4=7 =-1
,&',V"' (6-(4 K (LL4 D(* 7

$ 4LNN) , (O<NLN ! ,> >. @ -C V@ -+@ A-.B+ -C ? A B@>@D E-+@2 4==N & . " 0 50 LL= " CU@ -A ; >? ,>GA. - ->C C@ 5 0 $ 0 L= 5-C +B@ ,>GA.@- B B2 AD ,, -+B@C ABC?G+ @ 2- +B@ -??-AY @ ,+B2 B@C #-D,G D-?@ @ + E, B@D ? AG 3@D A E,@ @ ;PKQ < . 7 & - $" S 8;P<O(;QQ " > A. C@ ->C @2 +- @ C A.2 >++ A.2, >A A.2 AD > A. - @>@CG -C@2 ;MM< 7 1 " &!0 "' 0 LLN !-?@ +@C C@ E@++@C 2 -C 2 B A.2 EC@ A.2 , A.2 E-G, A. - ?@ + ;KNP $ 7 2 I I S ;;P= #A +B@ JJC- B - A+@C2 +B@G C@2 EC->.B+B-?@ A -CD@C +- >AD@C.- +B@ -J@C + -A - ?@ DA. -C , A. ;KMQ) ' $! 0 ;KL B->.B 3- ,@? B@ DC AU A@2 E>+ G ,->D -C +B@ , A. - B -A @A @2 T + -A,G >. C AD +@C . % $%) - L / @ Q=P ; B@C@ A- -??-AJ, @ , A. - B@C ->AD EG +B@ JC- -A - A @ C, -C ->A+ A +B@ +B CD -,>?@2

+ ! , A . 2 G) O ^ .3 QO i
# A @A @ - +B@ E

;PQ! ? 7 " >CA@C ! , ,0 5%& 8;KKN(LM< B@C + , A. ,, @ - G 6E@C+ @ - G % ++ @ ;P<N 1 (A(! - - +B@C@ -C@2 DG2 C @ ->+ - G->C J A@2 AD @@ +B@ , A. - G->C E,-++@D A ?@ # +C &11 > ! -0 C !& 0);KL<(==Q 0>+ B- , ++,@ -@ @C -?@ E-D @ ? G E@2 G@+ ; ,, A-+ >JJ- @ +B@ C I> A+ +G +- E@ ,@ +B A C@I> +@ -C +B@ , A. - +B@ JB@A-?@A ;MQK %>/ -$ ' !!(" &J@ L) >C> D D EG -,@A @ A+C-D> @ E@C+G - 7 ,,2 A+- B " GJ-+B@ -C +B@ ! , A. B@C@- 2 B@ C D 6,-6 ,G D@ ,X@ B + B B CD 3 -+ -A - +-?

3 8 A.(2 %* !0 $0 8 .3 M i
3 : "@ , A. +B , @2 --+B A.

;Q=K) $ $0 8 0 3 S, O=O B B + ; C@+>CA@D2 +B C?+B2 AD +B , A. C+2 +--

?3 8 @, A (I?-D 22 A ?@D EG
3 B@, A ;QO< +@C A+-A - 3 C $! '
8;MPL ;QO<(2 C@@U B-, C - 5,-C@A @ a B@
+GJ , .@A> - +B@ # $! ' $, - ? ,,
CGJ+-. ?-> J, A+ J, A+ - +B .@A>

;K) ') - Q 3 G)M - L B@ @C6 +B +B@ , A AD ? C , C@ >A +@D A+- -A@ .C->J

"@A @ ! , ,A @-> $0" J@C+ A A. +- +B@ #
$6 ' $, 0

0) = 5*& 0 50 $! ' $, E "' JJ, @D EG 0 C+ , A. +- 5 ? ,G B A. +B@ $! ' $ -C +B@ C +GJ @ , A @-> 4K<! +A) ' . > $ ' (0

3 8 @D),(-(^ 2 $! 3$ 7

i # a , I> D E-DG JC@ @A+ A - , - .@ $ >> = B , B B O A $' 0" @+ C !& 0 P+B !@C L=P 5-C +B , I> D2 B B C@JC@ @A+ +B@ -S D X@D ,) D -A + +>@A+ - .@ ,2 @ JC-J- @ +B@ A ?@ - ! , -,

3 8 " ((2 I $ " E, A@ +2
A.2 - $) >A A*>C@D2 A+ +2 6 2 - >CY
C A. A ?@D , JBC @ , U@ $! & , & %&T

' ,&"' ! -C@ .A @C @ @S @J+@D $! &B) 46)
E, A.2 - B) C .B+(+B->+ JC@*>D @ +- +B@
C .B+ - 8 -?@ J@ @D J@C -A(a

A. , > @ JC- -A +B + @C+ A
@A. .@?@A+ -C -CD A A @ B ,, A-+ E@ E AD A.
B@C@ + ->,D U +@C @C@ +B J@ @D C .B+ -C
-E, . + -A* C@ @C + -A %-A + % !& 8
C .B+2 @+ (

;M=L +C C . ' > C &%0 ?.0 50 e MPN 8;MPQ(= A +B @2 +B !T X Q B ,, ? U@ +B@ / #A@@ +- B-,D - +B@ / -A-C EG 9A .B+ @C @ ;M=Q <& 0 ' (S, 8;QL<(MK A @ AG -A@D @D A+@ + +@2 +B@ %B ,DC@A B->,D @I> ,,G D D@ +B@ --D B B +)@ +- E@ >AD@C +--D +B , - - +B@ 7 @' / - @C -C &-C+ -A SM) .&' ?$ (S 4;= B@G D? + A+@ ? A' @A @ - +2 +B->.B D @C 2 -C -A+C C @ +B A+@ , - 2 % >+ -A AD C@ @C + -A ;MPP !$. C$* 8% ?D@A(OO +B@G ->,D JC-J- @ AG @SJ@D @A+ +B , - +- +B@ @ >C +G - +B + + -A2 B@@ ,, A.@ +- A @C +B@ C D@ C@D +B@C@ A SM) 9 B $' (;QO @ +B@C ,@+ +B@ -AD + -A - O--U AD $@ -CD E>CA+ -C ,- +2 E@ >AJC- D@D -C EG -?@ --D AD C @ ! , -2 J,@ D E,@ -C +B@ -- @C A D@?JA + @ $>$%)) - PL 5 Q " - @ @C AG-A@ ? G -A >C2 2++ +6 +B) + - +- B - A JC +@ :>D.?@A+ $>/& ' B 0 ' 0 8;QM;(;QM A +B@ @ -CD C+> ,,G ?J, @D , - -C +B@ C .B+ - +B@ C -CD@C ;KS< # = @ ' % 0 &' & 0 8@D O(## :>D.@ B @ @ @A C@ > @D +- D? + +B@ -,,- Y A. ! , - A DD + -A +- +B@ !>E C J+ -A SKbM % B . % < &) ;NP 7 +B A @SJC@ , - - +B@*C C .B+ +- , E@C+G - -A @A @ $ &O = B. 0 0 S ,, PLO "@ 0 B@D +- AD ->+ -?@ , - B B ? .B+ -J+B E -A @A @ O %/ B . ,$ 0 $, (8;KMK(;N< I> , Y + -A2 -C , -2 +B + @CG A@ C,G >A BC, + A6@ %BC + A +G + @, $ >/ B &' 0 % %0 S ;PP + -A+ A@D , - - +B@ C .B+ - +B@ A + -A

i E $@ @C + -A - J- A+ A D J>+@ 0

;M== B) &)10 % $! 8;M<P(OQ= "@C@ D@ C@D ! , -2 + ,, ? .B+ ?A. C 7 O)-J & CU@C' O--U2 +- B@ B :>D.?@A+ A +B &- A+

/ A >A ->C E,@ @A @ D B-A@ + A@))+ ,
C@ @C + -A* I> EE, A. @ -A -A -> ,G
E D @S > @

;MMP ' $ 0 8;MQQ(7 +B A !J E A -+?D +B + %-,>?A -C & ,, C - "@ D - 3@A AD O@ + B B @C@ +@D ! , - AD @SJ + -A - +B@ 9 A.' # +B ;MQQ -&'&!0 QK)!-?@ J+)>, , - -C ",G@ *@ -A +- E, AD +B@ @G@ ;9 . C $!0 S =Q< B ,--U A- , U@ ! , - +- -?@ - +B 3C O AD +- C@ -A ,@ +B@ @ & @ @ AD +B@ # ,D +- .@+B@C E>+ +' J@C @ +,G (O@++@C >J-A B ? :! " . $! - QL 5 ;O B@ A@ ! , - +- + G 3 A' %-A @A @ A C Y A. B 5C @AD2 $ 5 " - '& . & &-@+ 7 U ;QO; 2 KN "@ ++'CG B +@D2 %->A @, @,, ->,D + ?@2 AD A@ @C !+>D @D ! , - -C C A @ 4Q4K ' \ (. "0 V ! !!, + S, G O<< 3 - + , - D D @@? E@A+ +- + U@

>J +B AG !B + -C ! , -2 B B ? .B+ @ @ +B@? - > B /\>+ @ O>&) !$ $ 8 K S(SSS OM; B@C@ A@ @C C-.>@ B- B D A-+ , - +- B ? @, -C E@ A. - ;QPQ :)8) 0 ' 8;KLQ(;; ;LP B @ -A -C ! , - - C C-? B@,J A. +B@ ? ++@C2 -C , A. +B@ A -A +@A @2 +B + + A C@ @ AD ?>,+ J, @ + ;KN< = . < ! ? $ 50 50 8$+,D. (LM< 3 G +-A.>@ . @ -A @A+ E>+ +B , - A ?G B@ C+ +- . @ B ? +B@ , J *> + + +B@ ?-?@A+ - @?E C9 + -A SK K : 7 $ "' OM >. 2 !-?@A@ ++@?J+ -A B J C+ +- AD , - -C + G A. A - @ SK) = 3 . & '0 - *0 , 8;KMP(=NN 5-C ,, +B@ A I> + @ B@ B ? @, JC + @D2 B@ E D A- D->E+ , - A B - A EC@ +

i E E ' $! & & %0 -A JC@+@S+ - (

;QNP +C ?& ' $ ' G <) ' $ =Q; +@C B A. + U@A ->C @ @ >AD@C +B@ ! , -@ - B@ C >, , 2 @ @ .B@D A B-C

-,>+ -A2 @SJ, A + -A 8- D >,+G(2 A
A @C 8+- A -E*@ + -A(1 0

;MP< < ' !($!! ' e #R @+ A-+ ?@A +B@C@ -C@2 JC@ +@AD +B@ @ C - C@JC- B2 A @S > @2 A @ B@C@ - C@ DG , - -C +B + -E*@ + -A ;MQK B)8 ' !!0 " 0 LNP !-?@ - +B@ A @A+ AD ,@ CA@D 5 +B@C JJC@Y B@AD@D +B +- E@ -A @A @A+ ! , - -C +B / >,+G2 +- >JJ- @ +B + #CJB@> B D EG 5 + AD >CA 2 E@@A - D Y @C@A+ ">?->C AD &@C -A 59 ' Q . V 2 ' ' (J 2 C@ + ?@A C@ , U@ +B@ B@ @A,G E-D @ +B + AD ?> B @A@C + -A E>+ A- C@ +2 >A,@ @ AD ! , - -C +B@ C B A. +B@ , ++@C2 EG G A. B + +B@ &B ,- -JB@C D- - +B@ "@ @A 2 +B + & ' &) ,) ' 0 $>>+ - $- & ;; 7U ;Q<< Q; 6$, .0 O>+ +B@A B- -?@ +B@ A-+@ +- C@? A A J, A+ J- @ -A B0 7 @,, J>+2 : U E>+ @ B @ , - -C +A

! A @SJ@D @A+ -C A. 8 J@C -A' C@J>+ + -A(
-C --+B A. 8- @AD@D JC D@2 -A @A @(

% -E 5 $! 3 &'') "' AD +B@ ?@D JBC @ $! & .&'& 0

O>/&) < $' &' 8;QK;(S + ;LK DG 2 AA-+ B@,J +BC- A. A , - -C +B@ JC D@ - B@C !@S 4Q4 ") ' 0 S, 8;KON(OO; , - -C B - A C@J>+ + -A2 B@ B E@@A D @D +- +C D> @ +B@ B C +@C - EC @ - @C ;QQK ' ' 0 0" 0) &* M= B@ ? A +@C B>?-C-> ,G D @D2 +B@ -A,G ?@ A - @S+C + A. B ? @, C-? +B + D ,@?? 2 AD -CD A. +B@ -A,G , - A B J- @C -C) +B@ AD .A +G - @C@D +- +B + " -> @2 +- ?J@ B +B- @ ? A +@C ;QK= : A 0 C$ ' 0 I 8;K=K(& B ->A+ - +B@ ? ++@C -CD +B@ ?- + ->C E,@ , - -C +B@ C C@J>+ + -A ;Q< ' , 0 0 C SSS S) K -(;K= B@ -A,G -E*@ + - +B@ JC@ @A+ A@.-+ + -A +- AD , - -C +B@ J>A + , -> B-A->C - +B@) !J A CD A // = .) , *0 * 8;KMM(MQK B ->,D E@ , - -C +B@ D .C @ - C@?- A. +B@? ;KQ= " .) 6& ' ?$* 0 P;L B@ , +C A -C?@D A+- , -+- -A @A @2 EG B B -+B@C C@ -AD@?A@D C +B@C +B A @, C@ + @D

3 8 @D J(2 10 A M , #C . A ,,G
$! $"' + $! $ 8 B@A @ 5 $! + I !J22 & .
$! $,>+ + -A2 , -2 J@CB %-??-A $-?
-C? + -A -A $! B , 0 $0+0

B@ B A.@ ?071 *7 Q A +B@ @AD A. 7? W70<= ?071 + 2 !J 2 AD &. D7 1 1 7 D? ' A

,>+@ -A + A. A +B@ ?>,+ A@-> D Y
B C.@ - C+ ,,@CG -C -+B@C C@ C?

$>$0 2X 6 C !! 8;KQO(L=Q / J, G +B@ !+ AD CD2 ,@+ +B@ @ E@ B- A2 7 +B ! , - C @ +B@ @A > - +B@ - A SK+ # 0 C$ JJ 8@D O(L;< ! , -@ - C+ ,,@CG @C@ C@D -A +B@ @ @A A. - +B@ O=+B +- AA->A @ +B@ -??@A @?@A+- +B@ @+@ ;KL= 3 $ &') *0 8;KLN(POO 7 B@A G->C AA-A JC- , ?@D B D @A+ @2 +B *-G-> , - ;KP - & ' ;; S ! , - - AA-A ,>+ A. B ? XKM- = . !0 8;KMK(S S =KP B- @ B J - !J A2 B B , G +B@C@2 D B C. A. , -@ - A+ J +@D +C >?JB $ 10 ;KNK $ B)0 ; 2 AD2 C-? +B@ J, + -C?2 J C@ G@ A-+ - C@ A-E,@ , - B-+

/ ?>,+ A@-> D B C.@ - C+ ,,@CG -C -+B@C
C@ C? 2 B@+B@C +B B- + ,@ A+@A+ -C -+B@C @

B@ @ C, @ + @A @ A A. + D@ @,-J@D ,C@ DG A + , A

;!<; <$ $ C $;; B -?J AG E@ J? ? AD@D +- D B C.@ @C+ A - ,@ - B-+2 -C ,> 2B@ ?> + @ +B@C B-,D B 5@@ @ D@ ,-A. +B@ C A B@ 2 -C ^@+ a 4Q;< -) & ;; 8 ,-E@(PM< @ ->AD +B@? ^+B@ @A@?Ga +B A >A B-+2 ->C @ D@C -CD@C@D +B@ + - 7 A. +- DY A @ +,G AD . @ +B@? ! , - -A @ B 7 A. +B +B@ C !B-+ ;KOM && 0 S 2 +@C E>C + A. +B@ C . +@ +B , - - ->C AA-A ;KOK : 3 1 ? 0 <) '' 8@D O(KL # -A ,,G C A. , -@ + +B@ J C+ +- E@ EC->.B+ D- A) ;KQ< - 6 " - &% ?$!.$' ;O= B@ $> A 2 @C@ C A. , -@ EG E +Y +@C @ - @ .B+ .>A ;<NO % & " 2 ' <L 7 B@A ? - @?@A+ - ?@A D @CA E,@ -A +B@ D.@2 , - D B C.@D2 AD +B@ E,- 2 ->,D ,+@C +B@ B J@ - +B@C- U E@ -C@ ->C @CG @G@

/ $' %0 8%B @ ,G2 T -,,@G' - JJ, > @(

^% 5 $! >$**!$) %' ' (@+ a

SQL= (5$ '(H0 H.0 e <P 8;Q=N(PQK ,, B B J@C -C?@D +B ++ A. ! , - - +B@ $ EE,@ @ B-@D C-? +B@ %,>E OK=P I ' . &0$ OQQ ? D +D@ @AY A. , - - JJ, > @ A %+ ' 8 $ 10 $) ''S, S B@ C - >J A+ - +B@ E , -AG -C@D 9@AG-A +B , - - -A @++ ;KQP *B &* (@+ ;M &@ , - , >.B+@C EC@ U ->+ B@C@ AD +B@C@ B@ DC@ D CD-A , - - D@ J C OK<P ? 78 .. $;; OO; .C@ + C->AD - JJ, > @ C-? +B@ C C AU @+ @ @CGE-DG J@@C A. +- CD +B@ D--C2 -A,G +- @A ->A+@C +B@ +@? . X@ - +B@ ? .A + @A+ E@ D,@2 B- @ @A+CG B D JC-?J+@D +B@ , -@ 2 # C- U@+ 2 @+

OQ<< ^ V $1& $ & "' LK # ! , -' B@ @2 A C@ -C 2 C@ .C@ + A>?E@C - +C-A. C-A C@J-C+ 2 S@D @ +B@C A J- + -C J, AU2 AD2 +B C@2 D B C.@D + -A @ OK<P) ' $' $ 0 2 , - - C- U@+

i ,>+ + -A -C ,>+@ 1 0 $ 0

OMPL > , ' - +C C ' &G $ 0 SS K< 7 B@C@>J-A +B .C@ + D@ -+ -A AD X@ , @ >A. ! , -2 E@ -C@ A ? .@ - #>C DG ;QPP -0 $* (C($. O;K 7 B@AY

@ @C A #JJ-C+>A +G - @C@D2 +- ?@@+ B@C A +B@ !+C@@+2 ->,D . @ B@C " + ! , -2 +B ,- 0-

9 3 / 0 ^) 1M] &' 0 - ,>+@)

@ @,2 @+ (EG C A. - , - -C -,,@G - .>A ;KL< = C $' 0 *) !@@ +B@ KE -0= C@ DG +B *6- 0 4 =*7DJ= *7 , - +B@ =EL-0D(0K7

G3 /0 ?$ $ U 0 KO$ $! &>( )
5 $ @ +(/ 3 $

OMN; 7 :(! ' 2 0 0 ") < ' 0 ;< @+ +B@? @ +B@C G@+ ? U@ ?@AD 2 70 -4=- E@ >C@ *6(* *6-+ = * + ?70 +B + = $!) & +B@ JJ@ ,@(+B@G C@ , U@ +- (00 - .--D +B@G 30 K

3 8 @ ,),K@ + , (^ ?-D $!
&!$! T -, + ,@ ,+ @@ . AD S . . $06
??-A >? CE-A +@2 %0 A C-? + -,>+ -A -
+B > @D C@ +-C + @ A A+ A. +

OMP= < C! $ 0 & ;<Q ' +B + C@2 +B + $! &!$! B B ? U@ +B@? - - +C A.@ . , +G OQN< - $! $! - ;M L O@++G C A -C - 7 +@C2 B@C ! +@C2 -C +B@ ! , -, + ,@ OQOQ 8 6 ! @+ 0 ' !! 7 U ;QPP ; ;MN > @A+ I> A+ +G - +B@ G A. DC-J 2 -C OG @,D' $! &!$! 0 OKLL C ' ' " " ,!0 : =PK ; JC@J C + -A ,,@D A +B@ C -$,&*, $(*) - - &' &' $,) (AD -??-A,G * & % $! &!$ 3 ! (SKK- = - &" " 0 : ;O= @+ ?@ @AD -C ., - A@ -C -?@ $!3 &!$! 0 $ 10 ;QLO - .) 7 & " 2 "@C@ C@ -?@B C+ B-CA AD , -, + ,@ DC-J

3) 3 5/ 3 .$ _ 3 /
& 3 / K$) 1 * .

2 #A@ B- @ -C B@,J +- @ @ @, -C C.-
C-?,- + @ -A@ B- @ @ + -C ++@?J+ , .@

OMQK &' 0 <$O0 - ;OQQ = 9@+ B2 E@ A. -C U@A EG ,, B@C ?@A2 + U@A >J EG :-BA />A U@ AD EG B ? EC->.B+ A+- +B + &-C+2 AD +B@C@ @ >C@D EG +B@! ,>@C >A+ , +B@ C .B+ &C-JC @+-C B ,, JJ@ C AD ? U@ ->+ B &C-JC @+G ;QNK .B1 8@D 9@C @G(2 $! (-A@ +B + B D !B J -C + 3@C B AD X@ OKNO $2 ,.0 * ;;; 4 7O B@ , E-C AD J@C , A >CC@D EG +B@ , -C OKL< ?$!- ' e MOO O<; 7 B@C@ @C B J AD C.-2 -C AG J C+ +B@C@- 2 C@ @D + @ EG +B@ @S@C+ -A - AG J@C -A C-? ?J@AD A. J@C , 2 -C C@ C@ - @C@D +@C A +> , E AD-A?@A+ -C,- 2 > B J@C -A C@ D@A-? A +@D , -C AD +B@G C@ @A+ +,@D +- -?J@A + -A -C +B@ C @C @ 2 B B UA- EG +B@ A ?@ - , .@ OKKL - OK - < B@ , -C 2 + .C@ + J@C -A ,C) J>+ -A A ? ,, U OKKP B . ** 0 M; B@ J+ A E@ @+ EG . A.- , -C

E #A@ B- @ -C ++@?J+ +- @ -?@ -A@
C-? DC- A A.

$!!" 2 ;9 # + Q ; ?IA. +B@ @ - A.2 -C ++@?J+ A. +- @ , @ C-? DC- A A. +B@C@ C@ ;L ? B B +B@ , -C .@ C A.@D C-? @ .B+ G@ C +- ;M OK<O 1 0 #7 # + O M 7 + B A. +B@ J@C , A , , B +B@ , -C AD B E>CD@A @C@ J, @D

/ @ @, > @D A , .@

;KSP) -0 *0 =;P B@ I>@ + -A 2 B@+B@C +B@ J- + - #@ J U@+ +B@ ! 0$ +- E@ -A D@C@D +B@ -,@ , -C2 -C*- A+,G +B " 3 EC . +B@ $!! ' 0 SKK- 1 (E ' 0 V '&2 0 !+ 4 ^ KL B- @ B- A . +@ +B@ @D B J A+- J-C+2 ^B @a D->E,@ +B@ B C@ - +B- @ B- C@? >A -A +B@ , +3 @ @,

3 / ! $ $) N 3 /3 /) C
32) 93 ./ $($!0)Y E0 ^)
10 = 1 : 8!@@ I>-+ (

OKK= .) A 0 $!" C O= 3 G L M + +B -SGD + -A - +B@ >CD B B D@ @,-J +B@ , ->C - +B@ B@@ @2 AD ?@,,- D- A +B@ @ A A+- , G AD +@S+>C@Y ,@ ? O) Q 0 .0 <!& 0($) "(8 (# >CD2 .C@ G2 E>++@CG 8O(- $* 0 >A +>-> - J@@ B AD ? AA@C OKKQ V ' <!& 0($! "(,- @2 - JG_ J-U@A - J-+ +-@ +B + C@ A-+ ,->CG2 S) S ') " 0($!O"(, U@ ! , @ -C - A+?@A+ OK<P) ' . > $ ' ((($! "(>A +>-> O<) $!" &'0 ;M :>,G = = OC + B B@@ @ B->,D E@ ? ,D2 A>++G2 AD , G

1 / ! $) , Z
J 1) . / +,G8@2 ! $ M
J 2 / ! $ "
) ./ 1(!$' 0 ' 2$ K
! $

%-??-A,G D@A+ @D +B $- B-C+@A@D) -C? - +B@ %BC + A A ?@ $-) !(AD B@A @ C ++@A +B J + , ! B@ + - > @ ? G E@,-A. +- D @C@A+ -CD a

& $' $-M 2 (/ $
$

;K L 3- + 55 &- 6 "' , + 2 AD, DG2 @C @ +B@? +B . , - + J@2 ,, C->AD AD ' + AD ! ??G ;K=N " %- 9 # $!0 &5 S, 2 B@G ? U@ :-BA O>,, + AD ! ? ;KKQ - .. & M; ,, + AD ! ? +B + ?@ -C :@? ? '' U@

;$ E*&' - "' $- 5 3 I
$ >$ " , ;

;KQ< T - ' 85 : * B D ' $" '' &' ;# #C J-A ?G O ? - C@ ,,G +B AU [D X-+ -A ?- A@ ;K<< 6. 7 $!. " ;Q &-A ?G C@D ! ?2 +B->.B2 + @A->.B +- DC @ ? A +- DC AU

8 H?(2 XV+ 1 0 @S $!0 5-C?
?A A2 <] ?@>2 ?A@)< #C? A ??
>@ AA(2] ? >2 ??GCC2 ?G C2] < ?
A @>2 M ?JA@D %0] b A @2] _)??@2 &
$!0 ? ^# $- ' $'(* - ' $'(-CC@ J +-
5C &- ' $(#! $- '&' 83 $- ' '($-3
' '($- - +(3 +(> $- ' '($- ' '($- '(
" $-$'1' 83 " $- ' '+(# $- '$(
$% '$ # @A+ T $' $' B$ '(T $-$'& +-.@+B@C
" $ 0 !GA-AG?-> -C? 2 +B >E + +>Y
+ -A - -C '($ 3 /> AD 3 $- ! ' 8 / >
0$ - ! '+(3 " $- ! ' = $& 0<0 $- - !' +M +B@
! $-!$(/ $ ' (C@ C-? @C? A

5-C' +,@' 3 ' -C? ' D@ @AD A.' C-?' # ' - ' $' (@@'
!-3 ' (B@' -C? ' @SB E +' +B@' ?@' ? J, B -A' - '
A ,')%'+-' -'+B +' JJ@ C ' A' +B@' JC-A>A + -A' - ' $' -

i' ' $ - 0' -' @?E,@'8J@C -A (' 1T

S---' $' !' OOK' J ' B@' BGD@C' -,' ?A-D@' S))'
) & ' (OP;P' F>@A' B@' B@CD' 8V A' - ' b' +GE AD' ' " @' D D'
+# .@D@C' ?@A' B ' ?@A' ;LLK' $ ' B ' &' (8;K;N(X--'
7 B A' B@' B D' ?A@D' B '- +@' - ' -,U' @C' \' A@C@' $';=NN PN'
! 5$' ' 5B"0' 5-C' J->' B ' ?@D' 1!(?JA@Da2' '
?@A' ' ' @,,G' A->AEC@' # ' C B ' P' C, A. ' ->+' - '
@ +' @AD ' ,'[=NN $) ' &"'? (' S#S#' -' ,,@' +B@' ,-CD@ '
+B +' +B@C@' @C@' 7 @C@' C@DG' DG.B+' AD' ?@D' +B@C@' 7 +B'
+B@C' ?@GA@' QS==N' & .' " E' SSS ' =L' #>C@' .@C@' E@'
B->@ '+-' E@' .C GD@2' AD' @, @' ??@D' -A@

i'E ' -' EC A.' +-.@+B@C2'*- A'8 A' ? CC .@2' C @ADY

B J2' ,- @2' @+ (' 1 0
,'$A++' ' LOO J ++' & (V U A.@ ' U AA@ ' ?@AA' # '
@C@ ' -JEC' - ' @ ' 7 EE' C-A@ ' U AA@ ' ?@AA' # '
JC@' ?C@AA' ??A@DD' $'4L=N ' 1 .'C $! ' SS 'Q'
& +' A@.BE>C'\'EC@J@C@' E@' ?V)AD' A' B C +@'
8!0' $';LMN) & ' (OOL<' J ' - ' -,U' E ?' ??@A' E A'
'OC +B,' E +' E ' @CU' E . A' $';LNN' ?0' ?0' C $! 'S, ' ;N
&C A @ '- ' -,U@' E +' ?@A@D' E ? +B' E@' -D' - ' EC B ?'
'%' C2' -C' %0' -' @?E,@' -?@' +-.@+B@C'
+ +S--@' (' C (' !J@,? A(SSS' ;Q' " '
#?A-D-A' ?-D'+-)@ A@ '?@ a' CS --' 'O=;O') '? BB+@'
LB-' U@+' +@CC' E ++' 7 EE' B C@' ? B@' ??A@AA' , 0\&'
< '(' 5('=L=' " @' B@ ' +@D@'+- CD' @D@A' AD' +-' B ?'
?@D@A' - @C' ?@A' %4LLN $' B ' &'0' ' ,'8$-,, ('
;<LO' J@' A ?@' - ' -A+C@ 'O@A' E >A.@D ,' +C >A.@' -,U'
B A' B+D@C' G ?@D

O' $' 0' -' EC A.' +-.@+B@C2' -,,@ +' 8+B A. ('
A- ' -A,G' $!(81-CU 2' A 2' @+ (2' B @ ,G' +B'
& (( )*(' , -' A' - -A , @A @' ' -'
EC A.' +-.@+B@C' +B@' @D.@' - ' 8 ' ->AD(2' 2' +-'
*- A' -C' +@A' +-.@+B@C' +-' ? 2' B- CD' >J ' +-'
,' - ,'&%0
3 -D@CA' D ,@ + ,'> @ '8 -C' B B' @@' '/ '/ (' C@' &' $-'
+-'J U'>J'@ .@C,G' &' $-' &! '&%(+-' ,>+ B2' .C J'
,';NNN' $50' , 0' 'OO J-AA@' ?A !' B -' J ' >AD@' \'
B ,' ' + --' ' ;PPO' J>' ??A@ +' ,'E?' ?@,@' AA'
A' P' A@D@! +' >'+-.@DDC@' ;L'(<$2(' '< ('V '%0' ML<' B '
-A@ " @' ?A@D' A@>@C' A' A-' GD@2' A@' >ADC@D' A->9@Ca'
$' ! 5$' 'H #&' "@' J,G@ -> C@' E@' J >@?@A+ +B
),,@A' @E+ 2 3 '-A' BB+' -> C@' B 'B@D@' 4P,' B@+@' - 'E ' -A@2'
!G,->C ' - ' @AD ,@' +-' @?-> C@' E@' . + 2' AD' ??@'H)1!0'
AJA@Xa' E CA' -A- +E C@' D@' +B' ,U@A' C J ') 1 0' PO<N
J A' B- ' , B@' B ?' E@DG @' \',@D+' B ?' -C+B C@2' AV+-' '
,- B@C@' +B' ' U G' E@' ,@AA@ +' M ') ' @CD@' 7 ??@D'
,'- ' JC ' \' @D@CV+ E,@ ' ,'4=NN) & ' ('O"B%"0' 8%-++'
,E ('!,@ +B' -+' ?A@' -C- ' +C A.2' AD' EA+' A?@U@,G'
, + AD' , A. ' ;K<L' 8) ' $! ' & . .(' &! ' ;MK'
7 @' ??@D'+-.@+B@C' ,' 7@' ->,D' B-D

K ' -' - .>, +@' 8+' -A +2' & +0' - ' -A,G'

$!((+-' >CD,@' 8? ,U(' -C' B@@ @' , -'$1 &!(
;MSP' J$##90' ?& "'&%' $ 'OML' B@C@' 'A-+B A.' +-' E@'
@@A@' E>+' +B@' @@D@' - . , +@D' -C' ??@D' +-.@+B@C' 1 0'
=0<' 7 B@C@EG' +B- @' +B A,' B B' -+B@C' @' ->,D' B CD,G' E@'
??@D' +-.@+B@C' ? .B+' C@ @ +@' @C' -A.,>+ A + -A' 4M<4
0%' & O(2 &' $- - ' !.(+-'E>+' +B@' C>AY
A A.' +-' +2' +-' >CD,@' +' 4QKK' 7 ' = .' & . 0' 'L=<'
'T' 7 B@A' D-' G->' ++S 'T B@A' D-' G->' @' +G->C' ? ,U ' -C2'
7 B@A' D-' G->' A?U@' B@@ @'

- ') R ./ $ ' & -%0 K ' !
, ' (' '" $% R 2
3 ' ' 4 ' 1 ' T* ' 5 0>]'
" $ % ' "'!'
;KQN' ?' (' .(;;'5@E' PL= O " A.'>A+ ,' E->+' B ,'DCG2'
-C2 +@ B?< ,,G' J@ U A.2 T! ??@D'' ;KKL' $ ' ' .) I
& . &*' , ' !@+' ' LMQ +' B@' U A' C@' ,,- @D'+-'
DC A2 @AD' +@C'T ?A A.'2-C' D ?J A.' +B' -,D' +@C2
C@' + U@D
+! C4A2' $,(' 1" 5-C? ' ' %1/ ' 6!'

1/ / ' 1/ ' ^!B-C+@A@D' -C?' - '
-.@+B@C ' ?>+> ,,G
5-C' '' $-4 (' @@' Q !' Q" ' 5-C' &' $-(' @@' -

;L2' '? ' '8 (' =PM;' &@' ? D@' \' 3 ,@ ' @C' J> @D'
?@' A' E ' +E>A' - ' -+ A.E ?@' ;L ') & ' 0' <QPN
8 D++ (2' ' ' @' J@' A', AD@' ' AD' D-?@' AD' J@' D-'
?' & 0' ?@Aa' E@A' U ' L '<$20"%"'< 0' V ' 0' LML'!GE >'
E G' C@DD@A' ,,@' ?@2' -'CGD' J@' UGA.' G+B' C->A' ;L<N
< 8 ' &'%(' /->A' +B@' @+@A' E-+B@' ?@' QS=LN
" ' "$- 0$ [#' B@G @GD@2' -D' E@' +'G- C@' .?@'
"@' @GD@2' T @, -?@2' ,,@' ?@,' I;=PN' ( ) 1 '
8!>C+@)' =K<L' J@' -++G ' @C@' . D,CD' ?' ' ;=MN' &2' T'
! "' " (S ')<' - ' .-D' .G 'G->' C@' -@ ' ,,' ?'
4P4L' B7 .) ' ' P<' AD' B@GC' >,,' # ' +' E>GCD '
EG' AD' EG' B@' B@C ' @C -B'+-. DD S' G+' ,' ? ' ;POP'
$ '&%'?$ "' K A' " D ?('C0'C0' " ' ==' #' ' J C -A'
?- @' B@C@2 AD' - 'B ' EC-+B@C' +B +' ' BG?' C@2' AD'
,->GD' @,' ??@' ;PQ< 1 ' * 0' $!(3 G' XMK
5-C' B +' -A -CD' B A', .B+' AD' D *CU@' +A'+' $'SM--' !&
(' ' 8;MM=(;K 7 B@A' +B@G' @C@' ,' @?E,@D' ! ?' B@'
+- A' - ' D@AEC->.B' E) -C@2' 5 +G' .C@ +' -CD' +B@C@' @C@'
-' 5 ?@' 1 0' 'MK' 6' ! ?' +B@' ->,D @C' +B@A' C@J, @D

! ? ' 8 @?(* %50' 1(@S ' $ (' ^3 I ' $-Y(
C@JC' 8 +B' - @, B-C+@A A.'> > ,' ++' -?J->AD ('
JC@B +-C ' T .' F' A7 @ ' T - 3' 8@. ' A' #!'
D) .(#" ' - D) ,' f' # ' $'))'T B ,Y
I> U'2' f # @>+' AD-.@C
? A ' T !- ' @@' "V' j' ' .6"!' A') ->'
D* ' ' $%3, *(0 $ (' 3 (0 * ' ? B ,@2'
B , B-,@'2' A' J--C' B@ ,@ ,+B' ' ? FDD@A2' B ,'
--U@D2' B ,'D-A@' , -) 'T B ,'E U@D' 2' +>J D
,';= P' ' 0' &'D0' !0' SSS S' P '1-,- @' B@C' \' ? CG J'
b)'$ '< . B '8$-,, ('L=;M :>+' + B EE@' ,@>@C@' ?D@D' !-?'
->@C -?@' :, A' B- ' \' ->AD' E@' ->@C -?@' - ' *' 9 B.6 '
& - 0H(' 8 J @C(' !QL' >' A@' E@-U' A B+' @, '? AAE' +@+ ?A@2'
- @+' E@-C '>?' A@' ' @- ' AD' ?B ,' $';LNN) & ' (
!+PL2;' ? +' A-.B+' C @2' ?' ?B ,@' 1 0' ;L=MO' +@' ?
-> ?

B ,@' +' +,' B ?' E)' -.B+' $JOJ' .'C0'C 0' $ 'S'L;;'
%E E-,@' AD' E C>G,,@ ' AD' ,>C @' ?VC@D@' 83!' : '
? AJ@ ' ,' 4= P' &'D(' !0' SS 'P= 8/>E ' 3!(' " @'
' ?C-@D2' +B' .C@G' @.B@A' ';==N 1 (SSS 'K<8$,'
3!(' B@' UGA.@' B@ACG' +B@' -+BGC2' ' ?A' ?@' C@D@'
)1!(' (' >AC@D@a' $'S---' , 1 ' &'% &' $! 'e' =N
) '? A' B+' E,-D @ 'E @' -A' B@ , -D@A>?'^3!!'4'1 '
? -D@A>?a' ?@+@' ;KOP # 7 ' 1 0' 0' (' (
KP' AG' +B A.' B@ +@D' -C ' ,-A.' + ?@' A' ,- 'B@ +' ' +-'
E@' A' J C+' J- ,@D2' D' +-' E@' C ?X-DD@A' 4K<4 F '
8F> ,,@C %-> B(&) '=) 0' <Q2' '?' @ CD' G->'?'-"A-'
->A+2' E>+' ? -DD@A' ' ;'? G' G' -

,(1 (D(' =(1 (J(<-F=--' 2 '
' 8 @ ? C (' X& 0' ^?-D '> @' - ' '
$-$ $' -C' $- $' @@D' - '+B@' @,? a' B@' AD@'
B @A+' A.@D' C> +' - '+B@' @,?2' B2 G ?-C@'8@+ (
4PQQ 0' < ' 1$, ') 1(' '8;PKM(' ;NL' " @' +B +'
,' J, A+@' ' C->@' - ' ,?@ 2 ?> +' .+B@C' +B@' @@D@' ,,@D'
! ? C ' 4QL4 < ' ($ (' '=N !- '+B@' ! ?@C+ '8C a' - '
+B@ ,?2' AD' 0 G E@CC @ 2' ,,' B B' -?@' >J' +B@' C +'1@ C'
L J . ML' ' ?&'0 ;L;' + - C>?' A ,,G B A.@
A+-' ' ?C' B B' ' @,,@D' AD'S @@D@D' EG' E-C+ -A'

(1 (0 (F=--' 2 82
' 8 ? @ C)*?(2' $0' ?&(' ^'
2 ' ' 9 +3 2 !' " A.'*6-' -C?'- ' ' ? C
S) S' A' ') "' 0
(1 (0 (F=--' B 2
' 8 ? @ C+ >(2' 10' - ' $0' , -' 9'
! ?@CG+ A@2' M K' ! ? C+ A@' ^ D' ,+@' ' ! S'
-$ ') (' C' $% $* B' ! ? C+ A2' ' ! C '
*g $' ! ? C a' ' 1(' A + @' #C AB E + A+' -'
! ? C 2' 'D +C +' - ' & ,@ + A@' ?@D' C-?' +'
B@' +G2' A @A+,G' +B@' J + ,' - '+B@' U A.D-?' - '
C @,'*' *(-A@' B-' DB@C@' +-'+B@' C@, . -A ' G +@?'
B B'B D' + ' -C . A' A' ! ? C
Q4NNN 0'<& *(' 3 ++'S 'P' @' . ' .@' AA A' B C+ A'
@ +C@' ;LQQ' 7 .'C(' C 0' 0 ' S '=K J AA@' @C@' @' '
! ? C+ A' ++@AD@' -A' ' ?>,@' XPSS' 5 ' ' (?,(' - 0'
8 CE (A+C-D'L; O' B@C@' E@' -?@' CG +@A@D' +B + A' +B@' B-,G'
, AD' ' A ?GD' ?@CG+ A@ ' cb_' ' +C') 1) T'
,!0' (+ 'SS 'QN !>ADCG' @ +@' ' ?-A.' +B@' B ,DC@A' -'
C @, +B@' ! ? C+ A ' +B@! DD> @ '+B@' &B C @ ' c_R&'
0' -!('=L<' B@' ! ? C+ A' B-2 A' '6%@ - ' -6+> @'
AD' C@+ C@?@A+2' A @ A+,G' -A+@?J, + A.' +B@' D@ +G2' EY
+ A@D' C-?' +B@'> @' - ' ,@ E') X' C ' '"' " ,!(' 4 4 ' LQM S
! ? C+ A' C@' +,' ->AD' A' +B@ C' ,-D' ->A+CG2 @ J@ ,,G' +'
E,-> 2 A@ C! B@?2' AD' , -' A' .GJ+
% L' +B' C@ @C@A @' +-'+B@'T .--D' ! ? C+ A'' '
@@' >U@'S 'PL
! ? C+ A ' E , ? 2' ' ? S+>C@' - ' A@' AD' - ,2'
-C?@C,G' > @D' A' +C@ + A.' ->AD ' ' (S!J ('
! ? A+ A' B- J + ,2' 'B- J + ,' J@ ,,G' D@ -+@D' +-'+B@'
U' J--C' ! ? C+ A' B--, 2) -??-A' A ?@' A' +B@'
6A +@D' !+ +@' -C' ?E>, A @' ,-) '= " (&,(5 +('
;M== = %+' B@' -?J -A +@' ! ? C+ A@' AE AD A.
+B@' %-A @A @2' AD' J- CA.' -G,@' A+-'+B@' ->AD' ' B B'
B @' E@@A@'? D@' ?-A'+B@' !@J C + -A' ;M=N&' .
+' B@'5--+@' 3 A ' D- +@2 -C2 A. AD' ! ? C+ A'
SK L' ! - ' A) ' '' ' (' B@' E-AAG' ! -+' B-D' ,C@ DG'
&. 'C$* ' 'SS ' QQ ' B' -?@' .--D' ! ? C+ A'
- +@D' +B@G->A .@C' ! ? C+ A' ;K=M S' B ' A'
- ' '%-A @C + @' D' > @A+' >+B-C +G' ->,D' B@ ,'+B@'
@>D' ?-A.'->C C@AAD' 4K)' " ' I ' E 'SSS 42'
B@' ! ? C+ A ,' >.B@D' AD' E D@' +B@?' A-+' +-' +B AU' #S
JC @' -C' ?-A@G' >A+ ,' +B@ C' J+ A' B->,D' C@+>CA
O ' $ 80' # ' -C' J@C+ A A.' +-' ! ? C ' -C' +B@'
! ? C+ A ' ' > @D' EG' +B@' ! ? C+ A
$-$ $' 'C ' $), ' 'C@ @A -A' - '+B@' " @EC@ ' &@AY
+ +@> B' > @D' EG' +B@' ! ? C+ A ' +B@' 3!! ' -C@' C ++@A' A'
'! ? C+ A' "8B @' C B ' " @EC@ (' B C +@C
S) ' 9 6'). ' 4' OL' 5-C -+B' >?' ? A' ! ? C+ A2
? UGA.@' ->?@C2' ?' - GD '+B@' @G@' ;ML=' A' ! (
E ' 0' 8 DKM(L;;' B@' @' O--U ' - ' 3- @ ' A' +B@'
! ? C+ A' %B C +@C' 1 (LO;2 ' , -' +-,D' B ?' - 'G->C'
! ? C+ A' &@A+ +@> B' SD=S = . ' ' ' $ 0' O;'
,++,@' D-@' @@' @ +@@?' G->C' ! ? J@CG2 - ' B B'
J@-J,@' %BC +' BBA @,@' +@ + @' 2 1@@' -C B J' G->' UA- 'A-+'
B +') ;KPW ' 5' %3 # +' ! +' .C? ? C - ' +B@'
! ? C+ A', A.>)@' ;KK< $ * >' $ (!@J+' PKO ; 'E@'
.C@ +@ +' - ' +B@') ? C+ A' @ + ,)' +B@' & - @C2 ;W >,'
@,@EC +@D' -A' +B@' ' $ - ' J-' ' @C X ?
E' 1 & ' 8I> 7 (' A' C-> ' -A+@S+> ,'> @ 2
@ . ' +B@' C CJ ' D ,@ +' -C?@C,G' J-U@A' A'
! ? C ' +B@' B C +@C' A' B B' +B ' C ++@A'
+B@' ! ? C+ A' +@S+' - '+B@' "@EC@ ' &@A+ +@> B
$%A>' 1! X ' 0' &' ! ' 'LN - ' (8;MKM(LKP
A' +B@' A>?E@C A.' - '+B@1@#C ' - '+B@ @' 5 +B@C +B@C@'
A-+' +B@' U@' -A @A+' E@+ S+' B@' 4 4 2' AD' +B@' ! ? C+ A2'
E@ A. ' +C A , +@D' A-+' ->+' - '+ 2E>+' J ' ' B@'
%B ,D@' AD' +B@' "@EC@ '! ? C+ A' ;QQNY B #5I '
C ' ' ' ;P< & ' ! ? C+ A' ;QKQ C ' ' < $-0' LNN
-A.' JC ?@C' ! ? C+ A' ;Q<Q' #' ' C& * ,) ' Y&'
C&!" !& '?1!' K &C A+ A. ' +B@' ! ? C+ A' AD' !GC ' A
B C +@C' ? , C' +-' +B@' "@EC@ ' B-, C' SK3' ' ,' !(
? 0' 4 4 ' M=K O' B@' @' A-+ -A' +B +' ! ? C+ A' '
? S+>C@' - ' "@EC@ ' AD' C ? 2'
+' ! ? 'C + A , 2' S' 1 0' ^ ' ' i'
!" a' O@,-A. A.'+-' ! ? C ' ! ? C+ A
, &&&' 0' <& *(>U@' (LL' ! >?' ? C+ A ' ? A a'
i ' = ' &'%) 0' ' $! ' 7 U ' M<L O # ' +BGW G@' B >@'
A' @A ?J,@' :-BA' *' - 'G)' ! ? C+ A B' G @

N C$ ' 8 ? @)C+ A X?(' ^' R
' N' "Q = V
' B@' C@, . ->' G +@?' - '+B@' ! ? C+ A ' A'
+B@' ;Q+B' ' - +@A
$' !M=4 1' = B 7B' , ' ' &'0 8;M=O(=Q=' ,,' +B@ @' -AY
@A+@D' +-' +B@' .@A@C ,"' ! ? C+ A ?@2 - 'C@ @ A.' 3-!@'
B ' ' +! ? C+ A ?' $@ 'D'
;M<L' *' (?5*!,(' ' 1"' 0' $!! (@+ ' LO 7 B +'
+B@' 3 G + '/ A@' +@ B2' AA-+' E@' ,,@D' A' SJ, +-A'
+B@G' D@AG' ,,' SJ, + -A ' @' ?>+' G' +B@ + -C@'

! ? C+ A ?'*' -C' B +'->C' ! ->C' G '- '+B@' ! ? C+ A '
EG' G'- '$@JC-- ' AD' O, ?@2' +B +' +B@ @' @A+,@?@A' JC- @ '
-A @CA A.' +B@? @, @ 2 +B +' +B@G' -C B J' +B@G' UA- 'A-+'
B +2' S) ' ' ,",!0' ? 0' 4 4 ' O== ;' 0@ -C@' +?@'
! ? C+ A ?' AA-+' B @' @S +@D' A' ' -C?' +' ,,' ? , C+-'
+B +' B B' @' UA-

/ ' >' D -?' -C' -C?'- '@SJC@ - ' E@,-A. A.' +-'
+B@' ! ? C+ A' D ,@ +' - ' C ?
4KK< $ * >' $ 0' !@J+' PKO S' A @C+ -A ' - ' -C@ .A' J Y
.@ 2 ,+@C + -A 2 ! ? A ? 2 AD' B A.@' A' >JJ-C+' - '
! ? C+ A' D- +C A@
' ? + + -A' - '+B@' '.--D' ! ? C+
;K=L' !G ' ' A' DG' " -,, AD' - 0 8;KPP(' POO'
3 AU AD' C@' .@++ A.' ? D' +B' B>? A +G' AD' ! ? C+ A ?'
;KML'T' #> /' ' ! ' ' ' ?&' $ '8;KQN(L=K ' BC@ ' ' +>Y
J@C + -A 'C@ CD@D' B ?' -C' B ' ! ? C+ A ?
! ? C ? >' 8 ? @)) ?(' - 0' YH' B "
F D' i' ;6 3 a' A' ,,@.@D' ?@+ ,, '@,@?@A+2' +B@'
@S +@A @' - ' B B' C@ + ' -A,G' -A' J@ +C- -J '
@ D@A @' +B@' E AD ' >JJ- @D' +-' AD +@' + ' JC@Y
@A @' @C@' C +' ->AD' A' +B@' J@ +A>A'- ? C U +@'
"@A @' ! ? S ' 3$' +@C'*& $ $(@+ ab' +B@' BGJ-Y
+B@+ ,' -S D@' - ' ? C>?
5 !)) -';=' JC'=KN L' B '?@+ " 'JC- @D' EG' +B@'
>+B-C+-'E@' ? C>?' L * ' , ' 9' 0'? 0'
&,0' OL' B@' J@C +@A @ V+B@' ? C>?' J@ +C>?' A' JC@Y
@A @' - ' @C B@,? A.' A + @' - ' -+B@C' ?@+ , 2 ' ,?- +'
>A@S ?J,@D' A' J@ +C-* -JG' +B>' -A@' J C+ - '! ? C)' A'
@ ,G' E@' @@A' B@A' ? S@D' +B' +BC@@' A ,, -A J C+ ' - ,?@'
D B' '$)-'S' > . 'O== L' ' >,JB D@' - ' , >?' ' -AY
+ A A.' '+C @' - '+B@' C C@,@?@A+' ? C>?'),
! ? C- D' 8 ? C- D(2' $0(' ^' ' 0 & ' i' - E a'
$@ @?E, A.' ' ? C
O J+'). ' $ 0' " 0' ?& 0' SSS' 5C> +' @ +B@C' -A + A.'
? C- D' CJ@,+ 2 -C' E@CC @D' +B' C-?' S +-' L' @,,
! ? CC2' C>?+' - '
'! ? CC '8 ? @ (' 0' , -'K ? CC@'
^?@D ' @@' V' 'U AD' - ' - U2 J A+@D'
7 +B' , ?@ 2 @+ 2' -CA' -A' +B@' G'+-'@S@ >+ -A' EG'
J@C -A ' -AD@?A@D' EG' +B@' AI> + -A' +-' E@' E>CA+
O>T' '. ' ' +C' - 1& ,.>' 0' D) (' S, 2'
O<P' B@G'^JC -A@C 'D@ .A@D' -C' B@' C@a' C@' ' ,- +B@D' +B'
+B@' ! U ,-+B2' -C' U AD' F ' 3 A+,@2' B B' -?@' ,,' +B@'
! ?E@A +-2 -B@C' +B@' ! ? CC '-C' ! ? C@++ ' ;Q)']' 0'
,(OMP' B@' A ?->' ! ? CC@' $ &$' ' &! (
!@C'!)') &3 $%!(' B' ,+-B@D' A' '. C?@A+' ?-C@'
C .B+ >,' EG' C2 '!?- U CJ@U' -C+ - '. E@CD A@2 ,,'D' '
! ? CC
! ? C U +@'8 ? * U +(' '0' ^ ?@D' EG
" '$-)' A';K=Q2' +@C'%-,-A@,' $- $. M @@'" V'
' -?J,@S' -,A++ E +@' - '>C A >?' AD' -+B@C' E @
;K=2' A: ' %#' $' 0' '0' OKP' ;KK=? 0' ' -$'$,' '
$-*0' ;M=' ' @ '@S @@D A.,G'C C@' ? A@C , ' ? C U+@
! ? E@A +2' @A + 2 2 "*' ' @@'
K >E@a 2 ?EB 12K ?EB>C2 C ')
*1:1 : ' C' ' 10' 1 0(@?E,G
*11 : :! ' '6 /' 6' O !
! ? E-'8 @ ?E-(' & ' E- 2' E-@ ' 5-C? ''
K' ? E- 2' <X? AE-2' K ' ? E-2' ^ ' !J' O$-1&(
JJ, @D' A' ?@C ' AD' '+-'J@C -A '- ' C ->'
D@.C@@' - ' ? S@D' A@.C-' AD' AD A' -C' >C-J@ A'
E,--D' , -2 'A ?@' -C' 'U AD' - 'G@,,- '? -AU@G'
J@CE' D@A+ , ' +B' O$-1&E ADG ,@..@D' 8 -CD C.'
+-' / @ 'C@JC' ' ,$- 1) +0!
'8!@@' I>-+' ;KK= (
;Q=K $ D)$. 'C)' 'O=N! ?E-'D@' 3>, ++-2 JC>A.'
-?' @.C-@ ' AD' 3>, ++- ' ! ?E-'D@' AD A2 JC>A.
C-?' @.C-@ ' AD' AD A ' ;Q<M) '$-'8;K;L(
' S+ 'L=N ' ! ?E-@' ' E@+ @@A' '?>, ++-' AD' E,
SKLL3 $$1) T5) SSS 2 'I> DC--A',--U'D- A'>J-A'
'?>, ++-' 7B ,@ '?>, ++-' ,--U'D- A'>J-A' ' ?E-2 +B +'
2B ,'?>, ++-' B ,'A) C- ' ;KK=' ',",!0' ? 0' 4 ,, 'LS< O'
N$-1&' AG' B , EC@@D2 E>+' ?- +,G' +B@' >@' - ' @.C-' AD'
AD A' J C@A+ ' A + +B@' 6A +@D' !+ +@ 2 &@C>2 AD' 7 @ +'
AD @' C' @.C-' AD' 3>, ++-
$ 1(7=K *$ D)$.&' C) 'O=N @C- 2 +B@' # Y
JC A.' - ') ?E-' 3>, " - ' AD' ! ?E-' AD A
/ '8 7 +B' J + ,' ! (' 'A UA ?@' -C' ' @.C-'
^&@CA2' D @C@A+ -CD' ' +'B 'E@@A' >..@ +@D' +B +'
+' ? G' E@' +B@' 5->, B' $-1&' >A ,@ a
SKM-' ' 0' - (' 8@D' L(2' $-1&(' '+@C?'-+@A'
JJ,@D' +-'A@.C-@ ' SKMM 7 ' ' 0') $'LO ! ?E-'
+@,,'B ?'+E @) J' 'C@ DG 'E>+' +' ->,D' A@ @C' -C' +B@'
>. C ? +@C +-' @@?' +-'E@' +' >.B+' HL"! ?E-
O V/8 VD D1 ' &&. "(1(, -' A' -C->J+'
-C? 'P' ? U D@2' ? @ 2' ? U 2 @? U 2'
? + 2' ?? + CD2' M' @?@- ' ' $-1),)'
@,D@C' , [($-1) $&' , ->C@D' +B' @,D@C' ,- @C a'
'U AD' - ' C ++@C' , ->C@D' +B' @,D@C ,- @C
5"''&' & - '&%) "4 DN&+' QQ' ! ?E- D@' U@' AD'
? U@' '%C> +' + U@ ' C>DD@ 'D-'B@C+-' >. C' \' -?D@,'
7 BG+@' - ' GC@A@2' \' B U@' E)C A' E,-?@' - '@,C@A' ;=ON' A
'?!0(' ,$ (' &' !@? U ')@X' ,';=LN &' &&. "(1. 0' P<
) ? ' 0' MO' 5C>+->C@' ! ?+ ');==N' ,0' &&. "'
A' &) ,(0'8;Q<N(=PN +' +B@ @ 4(AD@' ->C @ ' ,@ B@'
AD' ? U D@2)' AD' E U@' ?@+@2' ,;=MQ &1! '? .0' &&. "'
8@D' 3C ' J @C' OKKO(=P' -' ? U' ? C+ CD' + U' @++@D'
C>DD@ '^@+ a' %$' - &! >' &'(' F *E ' 5C@ >C@'
@?@
! ? E--U2' '6 K! 6' ; O ' (
! E--2' A1 !1) ' 6' O
*! ? E--U'8 @'?E) U(' , -' M' ? E> -2' <
? E> -2' ? E>U' ^#C . A'>A @C+ A' A' C E2'
C ++@A' $'1)D(% '&.' $-1),&0' +' $- '
1),&(;') 'U AD' - ' ? ,' @ @,' -C?@C,G' > @D' A'
7@ +@CA' AD 2 AD' + ,'-A'+B@' C E A' - +T81A,@('
;PKO' %" 5+ #' +C' $ $' $>' &'D(' (' 0';'S
;N

<ME2 B@G'D ->@C@D' + -' ! ?E> -'8 B B' C@', ++,@'&A '
A @ (' ;KPW B 'C! T' E ',E')' ,,$ ' 'OML'
B@' ! ?E>U'^ ' \' @ @,' C-?';P'+-'PN'^+-A 'E>CD@Aa' ;KKQ
' . ' * & '8;KKK('C' ' A E--U'-C' C +' > B' '
C@'A- '> @D' A'+B- @' @ '^ E->+' AD a
' ! ?,(N4,!M' 1 0 , -'_' J 2 $ ^&@C A'
$'1) , ' 8JB-A@+ ,,G' $ - 13+(B@A @
C E' $'1 $H'^$B '3 $. 'Y $D'8 / -OG(a' 'J +G'
+V'B B@D' ?@ +

[illegible]

' 7 +B' -C CD' C@ @C@A @' D@A+ ,' +B' B +'
' AD +@D' A'+B@' -,,- A.' -A+@S+

[illegible]

! A@ ' -'+B@' C ' ?(0' &-' ' , &!0< $ $
' SS 'LOP #,G ? J 2' ' +G'-'+B@'& @ A 2-C2' ' -?@' G2
+B@ ?@' ' &

[illegible]

[illegible]

[illegible]

' ' 0' ! 0 *& ';P=' B@C@' ' 'JBG ' > @'
-C' +B 2' B B' -J@C +@' +B@' ?@' ' AD ' A' +B@' B-,G'
, AD' ;KM' < ' . ' !$' (' S 'LOP' 1-> ,,' A@ @C'
+B AU',+B@ ,?@'-'?@' . A

3' =(† ' .F ' O' / ($*& (

;QK ' = ' B ' , ! $')' !>JJ- @' ' ?' ' E A@+Y
? U@C' 7 B@A' @AD' A' ?G' B C 2D-' ' U' B-' '+-' +'>J-A'
+B@ ? ' - ' +' ' ,'-A@'+-'? @ ' '?> +'E@' J D' -C'+B@' B C'
+B@' ?@2 > @' +B@'?' B-' ? G' ;KK=' 8 7' $.'
8;KKP(L< 5-C' '->C', @.@' +B@' !B B ' >E, ?@'@ + +@' 3 @C@,G'
@AB ,-@ 2,@ @'B ?'? A'+B@' ?@2 !-'^@+ a

; $!!' ' $- ' ' ' 1 ' ' ! ' I
'D 3 ' ' ' ! ' 1 D

3 / 1 $

$ +J = ' . ' % ' ' ' ;O;' 0>+' B-'
->,D' B @' +B->.B+' - '?G' DG' %->A+@ 'B A.' '? D'
@A+' +B' G->A.' 3 2 B, +' ?G' / -,,G' B @' A-+B A.'
+-' D-2 E>+' +-' ? ,U' ' - ' -C'+ -2 AD' D> +' AD' C>E' ' E +2
AD' --U' 'E +' AD' ->,D' ,,'+B@' ?@ +'>J-A' B@'+--' '
$ &/' . ' "1!' ' 2 7B +' G->' G' ' @,,' -C+B'
++@A+ -A' E>+' ,,'+B@' ?@' ;' @@,' @' C@' -A' +B@' @' - ' '
C@.>, C' C ' ;KP' ' B7 ' C& - '@+ '8;KM<(' ;KQ' B '
A+@C' '@S+C -CD A C,G' ? ,D' '+-'D G' ', ++,@' B- C' C- +2
E>+' EC .B+' >A B A@' ,,'+B@' ?@' ;KPM 5' ' 7 ' 2! '
&%' `&! 0' ;M=' -2 +B AU' G->' #E, .@D' +-' G->2' "@ACG2
,,' +B@' ?@' SKMS :' 6' &'"' C& ' ' 8;KMO(L=N
>DC@G'C@? CU@D'+B +'+B@' D' ,,- A @' ? D@', ++,@'D A@C'
@A @' +B@' ? -A@G' ->,D' B @' .-A@' ,,' +B@' ?@' XKMK
8 B '?!$. ';QM' ' ? A' ', - U@D' >J2 +B' U@G ' - '
.-,D' AD@@D2 G@+' 'B@' ' JC -A@C' ,,' +B@' ?@' ;KQK
B ' 0' &' ('6'0'? &2 "'O;' # +2 ' ' @CG' -CCG'+-'
-?@ G' ,,'+B@' ?@2 '?'., D'+-'E@' +'B-?@' . A

?(6) ' ' $- ($ +(2 ' ' $
> / $ 0 !$ - ' ' $

;KQ=' .) 'C) ', 'C$!% "'S 'OK;' AD' A' +B@' ?@ AY
+?@ / ,, A.B ?' ,,' -A+ A>@'B ' +'B@C@'*> +'+B@' ?@'
;<N4 " ' = ' B7 '"& '' ' '"'P<' 3 G'? -+B@C' ' ', DG'
-' !B@' D2 E>+'*> +'+B@' ?@'!B@' +@' E- ,@D' EE .@' +B'
'UA @' S @J+' B@A' -?J AG' ?@

/ 3 ' ' "'$ 0 ' 0' (H ! $ $
J "'D 3 $ " ' D ! $ $ " ' 10 ' (
H = / 1 (' % / /

/ < / / ' K +$' $- &
$ $- & "' $- $ "' E $)%_ ' $.' $ "' ,$
$- " $- "' $- $ ' ') 8 , $/' $,$ $- H' , $'
$- $%"' %0 G $ T $- &3 " '$(C' G $
? &2)!%' J @C' @ A.' AD' @*' ?-D' +. D@C@' -C'
"@ , D@A@' B ,D@ A' $'O++' 8B.6' ;OLM *$ '
E D'-A' @ D*>?')W@ GA@' JC@-'+ @A' -?-D' $';NNN '
-& '<%)'Q!<8 C( ) 'B @' @, ' JC @ -A' -CE -CD' ' -?@D2
AB A' + ' ' -W ' A+$JA' 5-CD' @' E ,>@' J@@'
-B+@' ,,@' -?@D' ^' -?@Da' B@-?'+-' 1 0' OPQ=Q' &))' B@-'
>,D@A' -?@D' C@A' $'X ' $ 0' PLO' " ' -?@+'
@D@A2 *5 '^@+ a

) . / $' $ $ & - , .!'H ' '$ 0
') 9 .$ ' ' ' /_ ' '
D' &' (' / O ' ,_' " " '
' ! ' D !2 $ '# 'T $-Y
-! ' ! /%("*H $ ' ' !$"' ! $@
' ' ! ' ! D 2 ! $

$%%J < ' &)' ! OM -' > @C' A-' ! ? ?@,' OC U'
+-' E@' ? D@' > @' - ' 1 (OK' !@@' +B@' MC U , G@C' + U@'
.--D' -,, D' OC U' +-' B>@2 A @' ' AG' +B A.' ! ?A @,' +B@'
-CU' ,,' ?-,D@C' G' ;QNL' ' ' "' P (C) , $ '
=K' "@' B D' E>CA+' @ @C ,'9 ,A '- ' ,@ ' AD' A-'+B D' E- @'
-' +@2 EC-U@A2 AD' ! AD ,' ,@ ' A' ,,' ;QSM &) 0'<$ (
'P==M K' ,,' +B +' C@' ?@,2 -C' >AD@C' E>CA+2 +-' E@' @SY
->D@D' O>A>"/O ' ",!0' '? ,, "' $- !"'-C' $' $!
1 ,. " C@' > B' ' ,@' ->+? - +' A' ' U ,A' -C' , ? J2 AD'
-A @!>@A+,G' C@' - +' AD'> @,@ ' A-+' E@ A.' +B-C->.B,G'
E>CA+' 4Q=P' ' & ' ' 0' $ - $"' ,'8;K=;('OL' B@'
EC U ? 9@C' '? @A 2+>CA@D'+B@'C'B AD' C-?'+B@' .C@G2 B CD2
@,, E>CA+' EC U 2 +-' +B@' -+2 ? ?@,2 B , E>CA+' EC U '
;K=W ? ' ",! &*0 '==L O B@' ->+ D@' EC U' C@'
A@ @ C,G' >AD@C E>CA@D' B@ @' C@' ,,@D' ?@,'EC U

9 $' K$ " ' $0 1'*" .

i' ' D@A+ +G'
X '#') . '!$"' !- & ' % ' $ 0 OO' A' >A@S'
> E,@' D .C@@?@A+' - ' @ @CG' ! ? , +>D@2 C@?-+@' C-?'
D@A+ +G' -C' ?@,A@' ' 1 'LLK

; $ 4 ' '3 2/ 2$
'S) ' 9 '8 + A.'O GA@(' 4<N4 -0'<$ 0' ;N' # +'
= O' B@' ?@,A@' ' - ' -A. @,,- ' +C- B@@' ?@+C@' A'
) " +B

) ? ./ $0' K$ " ' $(a' * !C .'
4 '3 2D $
V 3' $' 0' &,0' ' 4 ' ;OO' -' @J C +@' J C+'
-' J@' -C@ +a' +B +' @C@' A' -?@' J, @' +--' B@ G' AD'
?@,G' ;KO;' ' , ' ! ' ' 0[0' #' ?@,G' A U@D'
,@ 2 -'E,@' U2 -' +C A.@' ;K=='' : 7. ' . ''S 8 KM=('
4<K B@' @ C+B' ' -' ?@,G2' +B +' G->C'@G@' '+>CA' +- CD'
B@ @A' 4F-' &' !"') 0' ,& ' ' : A' ;M' 3 C' B-?'
5' / >AB ,& '! S+@@A' C + -A' -A' A' -C . A ,' +B@?@' C@'
+--',-A.' AD' ?@,G

G' 9 T' ' %' ']' 2 /
] M 2) /] _' 2 /] &' / b M
/ 2 / M / 2 /_ ' $'
K' ' 3 3' ' ' $$D ' ' ! D
!2 ' ' ' ' ($L' C' '

OJ>' ' B '?), ' '#R#' AD' A' +B@' ?GA' +G?' -?@'
B ?'+-' " ' G ' ,' ;LQP' ,0' 0' $' '=%&.$' +' L)K
! A +@',-BA@' @' E>+' E G +A@' J@ G?A@'DAAU' +>U' A@> C'
J@ ,@ '$&/%' '<' ' $2 %' = 0 0 0+#R' , > ' A'+B@'
?GA' G 2D D'+B@' ?J@C->C' 5C@D@C U@' ,'$& +' '
0' PK 5-C' -C+B @' @ %B > @ C2' A' +B@' ? A' E> U2 ,A'
.>D@, @' +@C? 2' AD' A' ,-,G' @+C 2 %-?JG, +' B@'B ' C '
K KJ' B7 ' ' ' ' ;K=' @ ' +B +' ?G' ?GAD' A'
- B+' G? . A@' CG B+2 ;' @A@' +B +' B@' >,D' E@' +B@' ?GA'
UAG B ' '4PPP')6 ' $ "' SS;' OC@+B@C2 !>B@A'
L@' @C@' -A @ C +2)@' -E,G +@' LN7' ,' -A'+B@' ??GA' G @'
b B ' , 0' ! ' ,& !(A' !U@A@' ! ' ,& !0' ' JJ'
=OK 1 '+E 'U@ J'+B@' , ' AD' > @' - ' +B@' ? A@' -C +B@

? +'J C+2 ,' SM--' = 7 ' ' !& ' ;)NL') U'
'E@ - C' @'D D' >E? +2 ! ' @'C@J@+"+B@' A GA'*+' S) !'
' ' A' !J ,D A.' &hT1(8O AA +GA@' %, (' MO' 7 @@'
B @'+ U@A'A-+ @'+B@C-' AD'D-@'. @'G->' B@ C+ @,G' +B AU'
-C'+B@' ?@A' SMQS $'= 9) ') ' &' ,&'%('L<K
B@' ? A@' '+B@C@'+C>@,G' AD'?-C@' >,,G' +-'E@' ->AD' ;MQK'
' ' = U ' -0' $2 ' ,& 0' ' S 'e' = 8;M<<(' O;='
"@' C +@' '>J-A' +B@' 0 ,,2 - @ +G' ' >E C E@'
+B@' ? A@' 4QOP' ' < ' ! ' * 0' ' 2 AD' B D' '
+G'+ ?@' ' ?@ U,@'? C' A@' E>+' ?G' :@C+AG' B->,D' +B@'
?@A' U C' ;KSP' - . ' " - ' '4 D 0+' B->Y
AD' ' C@' -'+B@' ?@A' ? AD

1 (5-C? ' L -?@A2L%V? '
1/))'L P' 1/)'=' 1/1)' 1/!) ' 1/ /!) '
1/ /E) ' 1/) ' = P' 1/!) ' 1/ /E)
= M' 1/E) ' =)Q' 1/ /)' P' 1/) ' 1/) '
1/$)) ' 1/E) ' 1/E)4 ' /1) ' /E) '
^# 2 $- %" %' '8 C+B' JC@J2 ' ##5C*
$- "' - '(&3 - ' "' &' $- ' "' #!' $-$ "'
$3 $-'$"' &' $- ' '8 3 ' $- 4- + ' " &' $- ' + '
> > "50 $- '"' $- '46 (0$- '+(($- $'(
O' $- $' '8 3 'O $ ' (?-D ' O) $- - '+(
$- $' " ! $- $' '8! 2 $- - $'"' ! $- - $'="'
/ ' $- - '"' ! $- - 'H' -+B2 $- $'$(%(C--+'
- ' " '$0' '!UC' $- $'$' +- .@+B@C)' %' " '
+- .@+B@C2 ? >+> ,,G' 5-C' '' $- '' @@'C "

! <P) 20' <& 0' :-BA' SS 'O 7 @C>A' -?@A' ?-A'
J@+C>' \' @'E@*A' @-@' @'@ @D@A'D D ?> ' ,'cNRR '
LQ0 & 'B J@' ?@AA'@ @??D@AA' -DD'J>CCB'B@-C@'C BB+'
A@ @' ,' ;OLN' $!' ('83!' +> ('P<' " 'A@' ?>B@A'
A +' -?@A' * A' '?& !0' -?@+a' @ CD@A A'B@>@A@' 'XLW-'
< '0 50 &' A' ,C?@' E . AA A.2 - 'A-.B+' 7 'B@>@A@'
AD' C @' ?@A' C-.B+' $';LNN) & ' 0' Q;P;' BC@'
B>ADC@+B' -S' B@' ?>A' UA ++2 84 +' A-.B+'B>'B@'-A' J ?'
E,>@(' 1 0' ;S<<K' AD' @ > ' J@A' B 'B AD@' ? +2 AD'
D' ' 1 'C 0' &- (;K=<' 0-+' J@'E-DG' AD' J@
>, ' ?@'? C@' ?@A' J A' ? ? ' AD' BG ' @' ,')LQP' ,(
0 $ ' 50' 4C) +' ? ' J A' U +' J)' ' ^ ,Ua' -J@C' ?Y
?GA@2 .C@+ AD' +@' +B' . +,G' . ??GA@' ,' c]RR 0'
&"' ;N ;K' !@G>GC+' D @@' -?GA' @ +' J ' - .B+' ' ,';=MN
= B (3'8$-SE ('SS ' ;OK' J ' C@' ,,' DC@D' ??@A'
' ;=LN ' - $ $, '8% ?D@A(2 ' GC@' ? >@' B ,D'B D@'
+B G -? >A' ;=LP' = ' '&%' & '8(' 7 @ >,D B@ @'
>DG' -A. 2 +-' E@' EC- .B+' ?.B+' :V@ A CD'D @,,GA.@'
J, @2 ?A@' + U AD' ' @@+' @?-A.+' B@>@A,G' +@ @A@'
' ;=PN &) ' $!)$, &)'' LO;Q' A'+B ' ,@' - ' ? CC@'
C@' E-AD@A' ?@A'J GA@' ,,@)' ;P;L' X . ' 'G'
'SM FA' +B C' B , 2 +B A' . D@C, 'BG A' E->+' # ' C- A '
?GA' ?D' ! , A ' 'C- +'

' $& 1 0 Y JB@+ ' -C' " '
P L%LJ' 8 .) 'C$ ' *"3. $ '3 (84.+' B@G' ?@A'
B ?' -CD A.'+-'+B@C' U ,
/ ! $ ' ' "' $$
/ 3 ' ' ' $ 0"' $
') ?9 ./ K$ " ' K* .

:$ B@I A , +G' 'E@ A.'+B@' ?@' Q) '%/N$
4PK4 = B. 'C& &' 'SSS '8;KKQ(;;K' B@G' @C@
,' >ADC@D2 B-?'+B@' ?@A@ '-'+ ?@' -A,+@+B' +- .@+B@C2
;MNQ ,& ' ,0'$ 0' ' , . 0' ('OK B@G'?@ A@' ' ?@'
A@ @' -C -?@' JC-J-C+ -A' +B +' 'E@+ @@A@' +B@?' ;MQK
%>/ 7#$ " ' !!0' " 0' ;' 'PP<' 7 @' -C B J*+B@' 5 +B@C'
' ' C>+B2 AD' +B@' !-A' +B@' C>+B' +' @, 2 E@ A.' - B A.
' +-' "GJ- + ' E>+' -A@' A' .C@@?@A+2 %-A @A+2 AD'
' ?@A@ ' - ' 7 ,,' ;M<N %' (' (' 0' ; ; <'
'+B@C@' E@' +B@' ?@A@ ' A' AA A.2 +B@' ?@' B ,,'E@' A'
> @C A.') ;M<N ') -0' E' 0'S' 'e' = # C' D@ ' -'
?@A@ 2 ' A-+' -' @+,@D' AD' ,@ C2 ' +-' D@W@C @' +-' E@'
+B->.B+' AA +@' A'> ' ;QLM B . ' '$!0' ' Q' &@C -A ,'
D@A+ +G' -C'+B@' ?@A@ ' - ' , A.' .@A+ ' ;QPL' ,& ' $ 0
4 ' ;Q)' B@' ?@A@ ' - ' +B@' @,@ ' C@' +B' +B +' -
, .B+ A A.' ;QP<' 1 . 'C &!) &' ' &C@ '8;QMN(Q' ! ?@Y
A@ ' -'CG+B? > 2 ?@A@ ' - '-C+B-.C JBG2 AD' 'C@CG'A@ C'
8@D'O(LNP ! ?@A@ * A' +B@' JC ? CG' @A @2 D-@' A-+' @ @A'
A@ @ C,G' ?J,G' ! ? , C+G2 S) '# 8 ' C!$ &' 8@D'O(
;L< U@A@' ' ' ?@A@ ' - ' @ + -A

/ ' E @A @'- ' C @+G2 >A -C? +G2 ? -A-+-AG' A'
A + A @'- +B '
;Q=L' " ' 9 .1 . ' 0' &' $' ' ' OQ : A2 7 @' C@' A'
> B' ' + +@' - ' ?@A@ ' +B +' ' B ,' E@. A' +-' -AD@C' +'
+B@' B A.@'- ' @ -A' AD'+ ,U'- '+B@' !JC A.' ' ' +C A.@'
D@A+' ;QMM -) 3 ' ' (' 0' -0 8;QMQ(' ,
ON B@C@' ,' C @2 ' ?@A@ ' AD' ,+A@ 2 SK -' : ' 7 2
' A' !? ,@ ' -0' ') $"' 8;K<;('SS ,' KM2 '
B ,' @AD@ ->C' +-' @A, @A' ,' ++,@' +B@' ?@A@ ' - '?G'
>+B-C' ;K=' S 7 ' $ 0' V$' - ' ' =N=' B@' @A@CG'
' ?@A@ ' +@,' XKKM B 'C $' 'OLK' B@'
+@ DG'- >J + -A 2 +B@'E@,- @D' ?@A@ @ 2 AD'+B@' C@D'
> +- ?'- ' B- ?@

' '%&' 3) 0 .C@@?@A+' A' B C +@C' -C' +G,@
c_&R ' 7 ' 7 C .B+@' < & D) ' , . 0' 5C-A+ J 2 B
,'C@1>C@' ' ?@A@ '+-'+B@'!J-+2 5-C'+B ' '%@,,2 '% Y
D@'-C' ' C-+

' 9 $ 1 0 K' , 9' $ 0 1' '
5 $ L' '' 1 3 / ' $
;L ' (' 0' !! ('C0' O'<KP' J G'!, JJ@D'E' \' G)@'B C'A-+'
J + @?'B C' ?@A' @C@
H ($ 1 0 ' ' / % N'
/< (/ / /
]' 2 / 2 / $ > 0 $- 3'
')' (3! $!$ $ $- '3 $"' "' ' ' '*' ' .
$ ' / ' ! 2/ !$' /
$
,'O +!. %0' <& *0' 3 CU' 'OL2' \' S ' A' - ?A>A.' ;' ; MN'
$ &' ' ?A>A.@a' B -C' ' ?-AA' A' . +' >A , @A@' ' S --'
' 0' &E0' & '0# \' 3 @' ' AD @+@' J@ ?A A.@' - ' J@'B A'
D@C >,,@' ' 4OLN $!' 0' ;# 80-D,@C' 3 ! (m) +' E@ +@, B'
.@D@C>A.@2 J@' B@-?@,@ @' -?JA>A.@') ' - - ?Y
A>A.@a2) +' >,' - ' >,D@' +AU AD@' \' >A+-B@'D@D@' ,';#R_'
A' !0' ' ('OL' "B@' C->@' BG' J@,' . +2 AD' B@,G' U CU@2
) ' ? A A.@'- 'B ,.B@ ' ,'S .-'< '0'=' 50' ;==O' "@')A@D@'
B C@' D' ?,D@' ?-D2 "@C@' ?@A ^Aa.' 'D@A@' AD' .-D

,'4LLN $ ' B ' &'0' $, '8$-,, ('OQS<' C@+'A- @' +'
B@C' C AG+A*.' ' 1 0' MQ;K' +' -AD-A@' J@G E++@' '
& C,@?@A+ ' AD') 'J@G' @GD@' +'J@C' ?JA A.@' ' ' '
+! + ,>@ ,,GG' $' % ' ' -' =' ?AC@A,G'
^ ' ' ' '+-.@+B@C' "' ". 'O a' - .@+B@C2 '
$';S88') & ' 0' OKL<;' 3 >AU2 A>AB@*' -C' J> @D' * 2 J +'
??@A,G' .B+' +-' ,@D@' J C' ">@' ;LPQ' $"'C&!. ' $, 0'
<;' B@'E ,,'. +2 B +' ?@A,G' -A @'- 'E-+A@'+B@' D+C' AD'
+B@' -A
+' ! ? @> + ,@ . ' ' AD' ' % ' 5-C?' ' ' 'L'
-?@A+ ,@2 =' ?@A+ ,@2 ??@A+ ,@' ' 8 '
$@' -A,G(=' ?@C + ,@2' ? C+ ,@2' ??@C+ D@
5 $$'6' 0 ' ' A ' 6' 0 '
B@' Q' -C? ' @@?'+-' C@JC@ @A+' ' .@A + @' JBC @C - '
+B@' ?@' + ,@' # 'T $- $"' >AC@ -CD@D' +C' .@A,+' A.2
@CA2 - ' $-3 ' '$0' !' .@A + ' - ' $!$' . D' +B@' E'
? G'B @' C @A' C-?'+B@' >E + +>+ -A'- ' 'JBC @' +B' JC@J2
-C'+B@' .@A + @' JBC @ a
' ' %-A -CD2 .C@@?@A+
50(' ' , 0' 0'=LM !@ BA@ '\' -?@ 0' B+A@ @'
\ -?=A+ ,@a' CS)P%)CC- MKL85 C (J@E@ +@ @C@'
A' ?@A' ,@' ^ 'Oa
O ' $ B0 %-A -CD A+2 .C@@ A.
$'4LN#) & ' 0' MKL' &@'E@ +@D' @,' C' ?@C + ,@' 1 0'
4N;M< 7 > ,U' ' >J,@' A@>@C' A A2 !> ' ??@C+ ,@' H<1 (
? C+ ,@a2 + +@A' +C*' 1 0' OL);'J '@C' ' @, >+' ?@A'
+ ,@

'*1B: !: [[%6' $ ' % ' 56' 0 ' $ ';\
7 $ / a' - .@+B@C
' # P) & ' 0' ;P;;Q'85 C ('J ' .@DD@C@D'B ?' ?A@'
CD'\' ?@A@D'B ?'-'J?C@' C@')
! ? @C 2' C A+'- '
+! ? @C -A 2' $' '81-CU (' % ' , -' M' '
? -C-A2' M Q' ? C-A2' Q' +A@C A2' Q' ?? C-X>'
!@@' I -+' ;MK=
;PPMV $ 10' !! '8!>C+@@ (QL' BC@'G@CD@e'- ?@C-A'
S .)' 1 0' <M2 S*' - ' ?-C- ' AD' B CD@A' B@@+@ 2 S *' '
*D' LPKL' A' *&'' $ ' , '4) +S &(S, G@C@D@ '
- ' ?@C-A2' ON ' ;P<K' V'$ 10' !! '8!>C+@@ (' 'O;;' 3 G'
E@ +' E, AU@++2 ?C-A' AD' 'B CD@A' E@+@' ' ! 5%30 '1 0' '
PN #A@' J C@' - ' ?@C A' B@@+@ ' ;MLK 1 0' ;MO #A@' , ++,@'
J?C@' - ' ?C-A' B@+@ ' ;MK=' ' = ' ' & . (' $!('=P
BG' ! ?? C-A' @E ' +- A' 1 0' S)2 8 ,JB E@+ ,'
%, (2 $- - $>&'"' ' '%,- +B' E@+ @@A' BA@A' AD' "@?)'
J@A2A-+' ,+- .@+B@C' -' ->C @' '+B@'-A@2A-C' A@' '+B@'-+B@C'
! ? @C + ,@' ' 0 -
! ? @CG+ A@2' L'6 /' 6' 0 &
! ? @G@,2'! ? +) -E ' ! 3 2!" 3 5 ! '
*1 / 61E:0 '] -1E:J ' '
! ? V, ' ' 0
! ++ >'8) ,, A(2 AD' ' ^ ' ' (' '
C' $B) & '8 2 $- 3) ('&" C' / D +- (i' a
' # '-C' J@C+ A A.'+-' ! ? - 2 A' , AD'
A' +B@' .@ A' !@ 2 +B@' E C+BJ, @' - '&G+B .-C '
! ? A'@ C+B'8 @@' I>-+' ;QOK(' ! ? A',@++@C2'
+B@',@++@C' 2' > @D' EG'&G+B .-C ' ' A'@?E,@?'- '
+B@' D @C@A+' C- D' - ' C+>@' AD' @' ! ? A'
+-A@'8 @@' I>-+' ;QOK(' ! ? A' C@2'-C .A ,,G2
J-++@CG' ? D@' - ' ! ? A' @ +B' 'B@A @'+B@'D@ .A Y
+-A' - ' ' A@' U AD' - ' J-++@CG' ->AD' @S+@A @,G'
-A' $- ? A' +@
$/ +' ('C!) $, "0'C ,! '8;P<P(;KO' B@' ! ? A2
JC -A@C' M-S' ' .)'C!' "' ' E,@2! ? A'@ C+B'-'
+ -'U AD ' 1 0"' ! ? A' +-A@' !M<L') 'C) '6'
;N< 7 B@C@' +B@' ! ? A'1' D C@ +' +BG' !+@J '+-'+>A' - CY
+>@' A CC- ' !+@@J2) D' OC- D G' @' +-' B>A' ;Q)'
, ' , !0(' $- $' ' $ "' C+B' EC->.B+' 5-C?'+B@'
@' - ') ? - @ +@@?@D' @CG +C A.@A+2 J+) C' +-' DCG2
AD'DC '7 ->AD ' B@C@' ,' -' ' $- &%' &' (+ U@A'
->+' -'+B@' 3 A@' A' +B@' ?@' , AD ' +C A.@A+ AD'
--, A.2 AD' ' , -'> @D' EG'+B@' -,D ? +B '+-'E>CA B' +B@C'
-,D2 AD' . @' +' .C@ +@C' > +C@' ;Q=' ' 1 ') ' (
S) ' 7 B@A' $@ -A' D->E+ >,2 ,U@' ! ?)' ,@++@C2 &- A+ '
B ?'+ -' G 2+B@'A CC- @C' 'XK S' '%) $ '
<<' ' ! ,%'< , 5 55"'5 ,,'B .B'+B@'E- ' +B' ! ? A' A@*
4KP<' B)' A' &!(' $' $'$' 'Q' B@' C+ ,@' ->AD'
-A +@D -' ! ? A' C@' - ' C-> ' B J@' 1 0(B@'
@ 2>CA 2 AD' ! ? A' @ @, 2 @C@' ,,@D' +B'E-A@
O ' ' A + @'- C' AB E + A+ - ' ! A -
4P\' ('C!) $, "C -,! '8;P<P(;K;' " @ U@J+'+B@'
! ? A'E@ @.@D' +B A'+B@C'- A@' @' ;QP< 7 '9 .
* &'(' ;LK'6,G @' +@B@A2 +B@')+B C +' ' ,-CG' CD' B@'
! ? A',@ +2 AD' +-' +B@' JC X@' J C D' 2;KKM !' , " ,!(? (
4 4 'O=< O' B@' .C@ +' E ++,@' - ' 3 G ,@'8=KN(2 B B C@@D'
+B@' ! ? A' C-?'+B@'&@C A'G-U@,
! X- F2'-E ' -C?'- ' # 0 ' ,
! ? @,8) ? @,(' , -! -?@G@,' ^'\' >CU B'
( ) '6' *' ' C E2' (('0 ' 0 02
i')' !)%D -@'! ? - - ?
8!-?@+ ?@' -A > @D' +B' ! A-C+B' A (
4MKQ ' # ' +C' & ' $ 0 'P=' " A.'OJ-U@A'
'?> B'- '+B@' ! ? @,2 +' ' E>+' ;QQ='< .) ' $ (' (8;KO=(
B +' 'B @'E@@A'+-,D' - '+' ;QQ=' < .) ' $ ((8;KO=(
' ;PL' ' @CG'D A.@C->' AD'JC@ , 2 B B'+B@'A + @' ,-'
&@C a' ,,'+B@' $- " ' ;K;P' : ' C$'& $- $' , @ ,-'
' =<' B@' ? @,' -C' ?-C+ G A.' AD' - ' +B@'D@ @C+'
A@ C'O .D D' ;K;Q' = ' $!!$ 0"' ! 'C &* '8@D'O(
<N 0>CB A.', AD'B@ D, -A.' , '+B@' ! ? @,' AD
*1 / ' 6 / 6' 0'$ '
! ? ? 8@2' C2 66' 0 ' '1)%'))$ '
% ' '56' 0' ; <=^' 6'
0 % ' ' ?@@+ A.2 @?E,G
,'4=NN < ' &"' ? .0' LKOL' !> B@' 'J@J,@' ' A@>@C@'
G @A@ - .@D@C'EC- .B+' +-' ?GA.
! ? C 2' C A+' 6 0 & '
! ? ++ ,@' ' 0
:: > 014-? < '9- '@ '
% ' 'A* ' " +)", "'+- +)" %) 4B

: J A@ @ .> + C - +BC@@ +C A. 2 J, G@D +B
)@ +C>?

7 . ' ,0 $ (PP B@ &6 . ' - %B A 2
AD HH & %E ' - : 8) B@ + - A +C>?@A+ C@ ,? - +
D@A+ , ;K<P . 3 ' . .) 6$*T (= @
?> - .> + C -C $ - ' E@ A. J, G@D A)+B@ +@ VB-> @
! ? +@ 8 @ ?<+(1 (@S %% 5-C?
] ? +(?@+2 = P ?G+2 = M ?G+@) P M
? +@2 M $, .T ? ++@2 < $, (? +8@2 ?
? + ^ #5 $ -] &C $ - (B$ - 8-,D@C
5$') " + , $ - " ?@D 2 5$ -) - " 5$
) ' " $ -) - " $ -) ' (D ?@D C . $ &
8 B@A @ # ! , &. $ - " $> A 9 3 " E @, @+(2
C ,I - ?E A A. -C? - S ! >C- +BC@ D
C %5 & D->E,@ +BC@ D@D2 E / 3 S1 5C-?
5C +B@ -CD J @D A+- 3 " $) 8?-D
$ - - , " $ - - " $' " @, @+(% 3 ! 5$ - 0
B@ ?) C A ?@2 , + S +BC@ D@DB E@@A C -> ,G
@SJ, A@D 6 > ,,G + B E@@A >JJ- @D +B + +B@ -C . A ,
) ? +@ - @A - +BC@ D -?J- @D - S +C AD -
,U E>+ -CD A. +- 3 DD,@+-A A ' , " ,!0 ? (4 4 ,,
O;N S +) - ,,@D E@ > @ +B@ @ + +BC@ D @C@ -A,G
>. B+ JAD ,--J@D + @ @CG S+B +BC@ D - +B@ CJ2 ,G A.
,-- @,G -A +B@ A+@C ?@D +@ J C+'
C B ,U EC 7 -CA A +B@ 3 DD,@ .@ 2
-?@+ ?@ A+@C - @A +B . -,D , -2 + . CY
?@A+ -C > B -A - +B ? +@C ,
;L V (! 0 ON<= M-D, 3 ! (+ >AD@C) ++ -A ?G+
AD J, @,V ++@ B@ A E D@,G++ ;LMM B $ - (
& KQL A A - @C . 6 ?G %, D B@ , ;=PN ! '
444 MNK B@C@-A E A.@ . ,J @C - J>CJ ,, ?G+@ E@+@ +B
. -,D@ ;=QN MP = . 3) SS QL A +B@ ?GDD@ -
+B@ , U@ C+B>C C@ - A +?@ ,-+B@D A EG+@
?G+@ (S S S QMN B + ?G E C.@+ E@ ->@CD
+B E, U ?G+@ ->@C AD ->@C) ;PLN O)
.T " (? " (8;K;=(;PM !B@ @ +>C@D G+B
?G+@ - .C@A@ P<<) 3 ' - $ (8;KQP(LP / 6
? + ?D@ @-D@? ? ++- B B +- G@2 '+B@ U A.@
D ,? + ,, . C B@A+@ - +B@ CB@ ? ++@ g ;KL= . I
? 0 &) - B <L ^ C#E@ -C "@A ,,a +- -@ ? D@ -
+B@ E@ + J>CJ,@b -,->C@D ? +@ 8 C B ,U(;K=L ^ @@
= PE* ;K=Q ?$ 1$0h 2 >C - +
- J@ B -,->C@D ? +@ E@ J-U@ B ? A-E,@
" B&,) !$! " (8! C,@+(J,> B
SK!= " %9$$ 1 + C Q))C4 M< !JC A. A. D- A C-A+
B + + -A E@B AD E +C) +B@ G->+B ,) *A +B@ A@+B@C
C?@A+ - C@D ? ? + D B C.@ +B>AD@C , J -A +B@
$, -C - 3C , @ -?@ B-> @
8 @ ?,@+(^%-A+C +@D . + a
% +B@ @ C, @C ! +3# : G-+ A.) , ? -A
c $%/ [9 . ' 0 8 MMS(;LP ^ B@C@ +B@G ,@ @ +B@
J) a +- E@ -?@ ! ?,@+ @ C,G A +B@ JC A. A@S -,)
A. ;KQL 7 6 "01 0 C (e 44 ;<O ! ,
?>,>) "@C@ -CD b)A 8C)D +> 2 ;Q=O V 0 A C !(
$' 0 4 ,, 4O< 7 B + . -@ B@C@ EG +B@) ?@ - ! ?,@+2
? ,, 5 B J-++@D +B $@D2 A-+ ?> B >A, U@ +B@ C#>+
)QM< : : : OPL B@ ? ,@+ +B@ ,@ + - +B@
+C->+ U AD 4QKQ ' ! ' + L= B@G -??-A,G
J A A # +-E@C2 AD +B@ G->A. E@ -?@ ?,@+ +B@ -,,- Y
A. G@ C) ;KL= =) 8 ' ! ' $! : MO B@G C@
,,@D AD ,@C@A+,G2 ?,@+ 2 J C2 , + JC A. 2 -C A.@C, A.
;KK= 0$ " 7 !) ?? - ! (;K B@ ?,@+
B @ A +B@ C@ B +@C E@@A -A+@A+ +B) A ,, -C? ^@+ a
T ! A,GG $ 0 1 (^ $ (i
% . $ 0c] . C@@ . ,G
%;LPN !!0 C$E - ;KLP 9 AD@, @ B@ -)C "J+ AD
U@ @D >, - +2 ! ,@J+@A @, @DG ? +- . D@C@
! ? A@2 -E C $ (+)@+B@C
! A>A@A 8 @)?-A(, - - ^ +G?-Y
,- . X A. ,+@C + -A ! 3 E a b .
(R =K #$\ &, (?(' !$ $ - '!) 31 , EC U
A > @A+,G E>CA@D - + AD C E,@ B@G C@ -?>>?,G
>AD@C +--D +- E@ ,?-A EC U 2 AD +- E@ - ,,@D2 E@ > @
+B@G >?@ C@DD B B>@ >JJ- @D +- E@ -?@+B A.
, U@ +B + - +B@ @ B - +B@ ,?-A R&+) A ' !0
$' . ! ' ' (3 C ;MO B@ C B@ 2 C-? A@ @ +G2 C@
- @CE>CA@D A -A @I>@A @ - JC-,-A. A. +B@ C A. > Y
@A+,G +- E>CA +B@ +-J AD D@ - %B@ U ,A A+- C@ J@ +Y
E,@ ,?-A !KK< % 3 ? , . 8@D O(=Q B +@ +
JJ, @ -A,G +- B CDB>CA@D EC U 2 A-+ +- ,?-A +- U
! ??@ + 2 -E C B ! +- . @+B@C
! ??@A,G2 C A+ - . $ (1T
! ??@)+I C @2K -AA@C+ ,@ @@ L "
! ?>A @C 8 @ ? -(^ i
8!@@ I>-+(
;KK= 9 " 0 , 0 !>JJ, 2 ?S C)2 J B A@ -C
JC@ A. +@C C-? U A A +B@ JC- @ - + AA A.
! +A ? A2 ! ? SC + @@ ! !
? 8 ? (2 ($ 3 ' (^ SY
+@AD@D -C? - AIAV - T - DCG J C+ ,,G
8,@ +B@C(f
VK<!) : 7 3 $ $') %0 + ON +@C E@ A.
@??,3 2 6 U@ -A@) @ + C ?@ AD D ?J@A + 1 (
O=) ! ??@A. B +@ ? , B @ ,@D +- ,@ CA +B@
-C . A - + JJ@ C +- B @ -C . A +@D A +B@ 7 @) AD
! ->+B@CA + +@ 2 -C A +B@ +2 B CD@A A. . @A@C ,,G
> @D B@A +B@ ,@ +B@C B>J. -A J-,@ -C A +B@ , - + +- DCG
->+) C+ +A J@C @A+)@ - ?- +>C@2 A -CD@C =N JC@J C@ +
-C J, ++ A. AD +> A. ;KNQ % 3 $') %0 $
8@D O(=;M +B@, . , + -,-C D@C @D2 +B@ ,@ +B@C B>A.
) * AD ,,- @D +- B CD@A2 W + +@C?@D A +B@ +2 -C +-
??G2 + + +@C?@D A +B@ 7 @ +2 -C @++ A.
! ??GA 2 ! A M84 @@ ++ 2 H[F $ 0
8! ?AD,+(2 1(AD $0 , - = ?J
+@2 Q ? + ^ D $ - ' * !0 8 A. $ - ' (
J@CB @+G ?-,-. ,,G -.A +@ +B L #
'$ 10 #A@ - J@-J,@ - A @A+ + ,G2 3, @ @D - "$ &"
+- E@ A - B-#+ - +B@ ! E A@ +B@ C +@CC +-CG2
,,@D ! ?A>?2 D* @A+ +- +A?

$JO+ < 8 & ' %0 ;Q< 7B A +B@ ! ?JA +@ +- B ?
EC) B+@ - ??@ - . -,D ^@+ , $//J < .) , &>
%% , 8;PPM(3 * /2 % ? &-A+ > +B@ ! ?A ,@) M K
. !& $ 8;MLM(=P B@A2 ?- @D >J-A +B@ J@+ + -A -
+B@ ->A+C@G - % ?J A 2 +B@G A D@D +B@ ! ?A+ $>$
8 +C) , $' ; ; OO= 7 B@A +B@ JC->D ! ?A ,@ C--J
+B@ ! + +@ D@ G'D ;K=; 9 1 .) 7 $!" = 0 !0 2 O<K
B@ +C> A AD ! ?A,+@ EG +>CA J- @ @D E-+B
! $, :0 # -C J@C+ A A. +- +B@ ! ?A,+@ A
A @ ?-A. +B@ ! ?A +@
$>/J " , !0) **0 ! B@ @C? A 2
E@ D@ +B@ ?A,+@ B @,D2 B @ + - -+B@C JC@++G ?> B A
> @ ;K=; C ' ' " " , !0 4 4 LKN ; B@ ! ?A +@ C
" @A @ ! ?A + - $0 ^ D $' - ! ,) 0W
$>/J " , !0) **0 ! " ?A+ E @,D
> @D -G +B@ $-? A 5 - ;O 3 C LQP L 0> ,+
-A +B@ -A ,> -A - +B@ ! ?A+ C
+! A>6 + 1 0 ^# -E >C@ -C . A J@CB
-?@ @CC-C a !-?@ J- -A-> J, A+
O/0+ 1 0 A0 ; ; + PO 3 -C+ , , ! ?A+ 2 AD %
>+ E D
! A- A 8 ?:N A(2 $0 AD 10 ^ $-&$" A
, AD U A. D-? - +B@ & 2 !K " V
$ B0 &@C+ A A. +- ! ?- 2 -C +B@ ! ?- A
$-&$' & &5C & ' +B@ +--+B E ,UD J .@-A 8 A C@ @A+
/ @+ I>-+ ;KM= (
4K=M c) '" 0 & ' (% '3 $-&$ SS " ;=N B@ ! Y
?- A , A.> .@ 4KM= $ OK 3 G MKQ + J@ @ -
.C->AD J .@-A C-? +B@ ! ?- A , , A)
O 1(A + @ - ! ?- 2 E B@ ! ?- A
, A.> .@
;K=M > / , 3 7 [CC P C V CSS SLP 3C 3>CC G
JC G@D A ! ?- A !KQP # 3 & ' " 4? B@ A@
- @A ? + - ?> B ,>@D EG +B@ ! ?- A B") '
86 ! (4 4 LPP C $- + J . *-G -C@ @C+- ! ?- A
! C -@D 2 ++S- D 2 @+ @@)
! ?-,A 8 ?D , @(^6 - ' !) 8&, AG(
! D +- E@ %@,+ -CD a ' D0 J, A+
D +- B @ E@@A > @D A A @A+ +(AAD , @C@
:J-A@ E ? 0 D-J+@D 8EG AA @> (+B@
A ?@ - . @A> - J, A+ E@,-A. A. +- +B@ -CD@C
C -)! , $ 0 , -2 J, A+ - +B .@A>
" " , !0) ** 2 $ '& A E-+ AG2 +B@ A ?@
- . @A> - J, ?+ SKMM $ 0 ?& 0" $-&!) ? ,,
? C B J, A+ +B B +@ ,- @C 2 E@,-A. A. +- +B@ C 2)T ^
!$, 0 ;KQK 3) * C 0!!0 ;= -AD@C
B@+B@C B@ . - A. +- . +B@C +B@ ?-,> 2 ,@ + B AD@D
AD + A. SK) % 7 % ,& 0 > SM B@
,@ @ - +B@ ! ?-,> @C@ . +B@C@D EG +B@ JC @ + + A.
;<NP & ' - 0 $ 0 : A2 OP= B@ @, . - , ->C B@D -A +B@
B@ +B AD 8B@ ?#,> EG +B@ C>AA A. +C@ ?
! ?-A2 6 / 6 O
M X -AG8N2 -E ! & - $ ' " @@ ! - 0
! ?--?2 C A+ -
! ?-C@A 2^)> a U AD - E- + > @D -A
+B@ $B A@
SM ? 0 C - ^B5 A A A +@ A> ?E@C -
J@-J,@ C@ BA) -GD A !B JJ@ 2 ! ?-C@> @ 2 " -G@ ^@+
! ?-C 2 ! ?-C A@2 ! ++ -C +J B O &
! ?- -A2 A1 !1) - O 1 0
! ? - +@ A 8 I@?)+&A A(2 10 AD $0
, - Q ! ?- -A A2 < A A ^ 2 2 $-&
$ '3) " C2 ?$% &$$ % 1 8 $-&$ + ! a
2 1 -6- @C- & >,- ! ?- + f & +:
E $ B0 K/ B. $0
' , , !0 C&!0 S, 5-C +B@ E J+, ?@
, E -> + A + . >@ +--D@ C?@2 B@C@ +B@G B-+A@
! ?- +@> A B D) J++ @D @C@ C@E J+ @D ;M=P 7
& 0 8@D O(4OL 7 +B B B C@ *-GA@D +B@ ! ?- +-
A A AD W E@,, A ;M<Q . . 0 ' "
/ C@ +,G -A+C CG +- +B@ ! ?- +@A F / - +C A@ 4QLQ =4
" , !0 2 !+ J JE A> ,, B @ +B@ ! ?-
+@A -A +- E@ +@ , : @ 2 +B->+ + G +B A. ?-C@ +B A +B@
A ?@ - %BC + A 2 $ S+ S B 7 0 . &!(8;KML(
2 SS S - B@ ! ?-W + A A B@C@ G2
! ?-+BC > . AD $0
^ 2 $-& , " C2 ?$*&? 2 " A , AD A +B@
) @ A !@ = , " a 10 A AB E + A+ -
! ?-+BC @ E B0 # -C J@C+ A A. +- ! ?-
+BC @ %0 +B C@,@C@A%@ +- +B@ % E C ?G +@C @
B B -C . A +@D A ! ?-+BC @2
+ +C & &) ((3 . L O=< B@ ! ?-
+EC J D- C@J-C+2 +B + ?-A. +B@ ? +B@C@ A-+B@C
-C .C@ + D@,>.@ E@ -C@)+B + - J@> , -A $>/J
" , !0) **0 $1 A A+ I> +G2 @C+ A D@ + @ -C B JJ@D
?-C@ @ J@ ,,G EG +B@ ! ?-+E1 A D J>+@D
B@+B@C +B@G E@ - &B @A, A2 ! ?-+EC A2 -C .GJ+ A
-C . A ;KNL ! - $1 LP4 B@ ! ?-+EC A
?G +@C @ SKKM ' , " , !0 ? (4 4 OPN O 7 B@A +B@ ! ?-
+BC A @A+ -A+ A. @A+ +- +B@ &@C A ,@@+
! ?- C 8 X@ ?- (^$> A 3#0 J 2
T @, E- ,@C 3D($-&3 @, a J0, $
+- E- , a $> A +@ >?
NB 0 V& 0 1) > & &"0 OO ' & m ! ?- C2 -C
@, V-+ @C .@A@C ,,G + AD A +B@ ? DD,@ - +B@ +@ + E,@
;KKL C$!! C B$!! <0 `7 :>A@ # ; B@ ?- C +@ U@+ ,@
B B B + C@ A +>E@ C>AA A. +BC->. B +2 AD B B2
+B @ J @ @ - , . B+@D B C - , DC-JJ@D A+- +B@ +>E@2
? A+ A ?@ +@C + E- , A. J- A+ +B ? A ?>? -
@ J-C + -A
! ?-G@D $ " $ 0 $0 C D
! Q K K <
< 2" & @E '
6 F 5* % %) G -" % H 6 ' -6 9
@D - "$ &" - *" % % % G 6 -H
% & ! % , 1 4 0 0 J
) - % 6 *) $%

;M;L &> " ! C -$ 8 ! (=L B@ ! ?J + -C
! ?-G@D C@ , D 8+-? B@ D +- --+ A /@@C@ U C@
SMKK . b $) $(' ;O< B@ ->A+C @
AB E +@D EG +B@ ! ?-D ;QOM . 7) " &%
8;QQQ(L= B@ ! ?-*@D@ -AD@C@D ?> B + +B@ %X C
- 3> - G -C A-+ , A. ?-A. +B@? SQ! ! ,
;=P B@ B CDG ! ?-D SKS . . ? / - D@B %
8;KKQ(L;< B@ LSV-C C@ E*@ + ! ?-G@D B9
0 # 3 &) ?& ' $ L; ?-A. JJ AD
! ?-G@D
O $ B0 # -C J@C+ A A. +- +B@ ! ?-G@D , -
IA) 2 +B@ C , A.> .@
;MMQ = . C0 0 S M<P 5C-? +B@ -C+B # -C>?E@. 2
AD +B@ ! ?) D B- C ;Q<Q ' , " , !0 ? 0 8@D L(4
ML< ; + D +B + ,, +B@ ! ?- @D -?@A B @ E, U
A JJ,@ ;KQP 9 % $' 0 S OLN B@ @ -AD
EC A B ^- +B@ >C A A ? ,G- , A.> .@ a +B@ ! ?-G@D
! ?-G@D 8 @?>G@ D U(2 $0 , - ! ?-*@D 2
@D ^) 3" ,- a # -C J@C+ A A. +-
+B@ ! ?-G@D , - I> , C 2 +B@ C , A.> .@
;K;L AT 0 # + OKK B@ ! ?-*@D A + -A C@ > +@D
A-C+B - +B@ C+ C KL=C ' ' " " , !0 H =Q= ; B B + EA
- ! ?-@D -C . A - >JG + - D @C@A+ ->A+C @ D + A+
C-? -A@ A-+B@C ;KPK . . C .0 < 0 QK
&@+@C2 +B@ $> A 8 G C +B@C ! ?-@ D ^S a(%X C SK3
' , " , !0 ? 0 4 4 O O%@C+ A,G >CU + @ ?> B ,-) +
+- 3 -A. -, +B A + D-@ +- ! ?-G@D AD >A.>
! ?J 8 @?J(E0 0 , - Q ?J@ ^
. -AU A '$ $ - * 8 7 --D &,$10 ;ML=(2 CC . A E++
'$ $) - * 8$ 7 +,, ++- (2 , + T - +@A@D EG +@C'2
JJ, @D >E + +- T@ @CG U AD - J--A ?@ +2 E-> ,Y
,-A2 -C J-CC D.@ " 8 C>?E>,, A ,) 0 ' 0
* 0 0 =P=(% B1 8 V %- C @,G .C->AD
AD A -CA , - U AD - J-CC D.@ ? D@ +C-? +
$%&J 9 . . V " $$) - * U AD - ?@ ,@ J-+Y
+ .@2 >AJ C+ B'D 5C-? +B +B@ A. , B C , +B@ C ! ?J2
B B +B@ AD A -?@2 E@ +@A AD E- ,D2 AD @ +@A B-+
-C -,D +B ? ,U@ -C E>++@C SM)L # . 2 ' 0
$, - B@ bA , . B+ - D .@ + -A2 AD +B@ A. , B
? U@ U AD - -E,-,,G - +2 B B +B@G ,, ! ?J@ ;KLL
9 C$)&'$ $"&C- @ 7U SK) OQM 3 G I>
B @ A@ ? +2 E . . ?2 - + ?J ;K<< 6 ' !0 0 ,0
&, 0 3 C ;LL ! ?J2 E@ >+ >, -C? - B-? AG
! 43J S 8!O@ ?JD@A(, - Q K B ?J > 2 W
-E ?J A2 @2 ?J A@2 +AJ A2 < ?J J2
?J A. 2 AJ A ^ %B A@ @ $'YB$' = $
+BC@@2 % $ ' E- CD(A + ? +@ $- 1$' 4B$ -
+BC@@(% +B@ ! J J@,, A. - *$ ' 8# @D- ;PLP(
, - &. , $-*$ '$0H
%B A@ @ -CD ?@ A A. T E- + '2 JJ, @D EG
>C-J@ A A +B@ %B A @ +- AG ? ,, E- +
- %B A@ @ J ++@CA2
M - $ $ " 8 " U, ! -% (;OO + +B->.B+
G++ AD EC->.B+ A I>@ + -A EG +B@ " -,, AD@C +- +CG? >J
%B A ?J A , - . -@ +B +B ,@@+@ ;MPL " < +C
C ' &> V CX 44 QOV8:> G & A, A J>C >@D +B@? A
%B ?J A ;QL< 1 E 9 ` ` I 7. 8 0 & >1. 0 & %
T " !C - -U A O ! ?J A 4 - D - 7 - -D ;Q=W
J ! # 6 ' !0 * %0 0 $ O<N !@ @C , %B A@ @ %B ?
J A 2-C ? ++ 5+ B A. O- + ;KMQ S $!& > %?& Y
1.0 $- *$$' -C $- *$' A@ +,G D*> +@D U AD - B + B
E->C+2 > @D EG +B@ %B A@ @ -C J @A.@C 2 AD , -
D @,, A. -C C+ C ? ,@ 2 +B - ? -C+ E,@ E A
; 0 0 K F
;K<Q) ' 8 ! (:>,G LMO O O>+ +B@ E G B E- +
B- @ !+G,@ J@ >,bC +- +B@ J, @ + ,,@D AJ A
AD A @ B+ J-+ J>A+2 ? D@ - @ J A@ E- CD 2 B B
A , . B+ AD C ?J,G UUA , -A. +B@ >C @ - +B@ +@C
/ 6 / 6 O
! ?J " C 8* ? C (5-C? M ?J@C@2
?J @C@2 +>JE @C2 M K ?J,@C2 M < ?J C@2
Q ?J@ C2 ?J@C2 ?J,+GC@2 Q ?JE C@
^, ;M+B $- * (0* 8+B@ +@C@D -C? ? G
B @ E@@A ? , +@D +- ,$ * +(5 46 1
+ $ ' C 8%E, .C ;M; ; (2 , + T ! + &@+@C'
B@CE' ' % ?-D $- * $ 8 A / -D-@A @D ;M;M(
/ @ @AE B +@ ?-D 1$ C C-? -CU d
;M<= % - * ' 0 &- E,G +B@ ++C E>+ -A &
!>2) &@+@C ? G B @ E@@A >. . @ +@D EG , +@ * $ 85
* + C- U ;
B@ 5, A+ -) - - $ -) - 8. C- A. -A
C- U EG +B@ @ (2 +B@ C-? + , A@ ,@ BG ,@ @
- B B C@ B @D A J U,@ , - ,,@D &, .
$ - * 0
O & . , 0 . - &) % $% ') (A B@CE@ .C- Y
A. -A +B@ !@ C- U@ 2 B B@ @ , ! ?J@C@ ;P)
& & ' 0 SS PQQ ! ?J @C@ B +B +2 +B U@2 ,-A.
? , ,@ @ ;L<N $, 0 8;K=;(Q E@
&B + A +B@C@ ^+A C@, ADa B-,D@2 +B + ! ?JB @C JC@
@A+ C@?@D @ . A + +B@ +-A@ SM) $ >
" ,@ G D- A@ " A. -A@ +B + . +B@C ! ?J C@ DC@ D
>,, C D@ +MS- " - -% 7 CS=) Q) 8 MLQ(L==!+ +@,G
, @ EC A. A. -C+B ! ?JEGC@ A .C@ + I> A+ +G SMM
.) ? 0 ?&, & ' E$ +- A +B B C@ .C- .C@ +@C
+-C@ - ?JB C@ AD !@ E-,,G $. 0
8;M<O(;QK ! ?J,@C ,-+B@ +B@ C- U A E>AD A @ 4QN!
. 3 ' C !0 $' 0 4 4 , , ; ;MQ ! ?J C@ - - A C D
C-? + +@ ;QL; = ; . . ($ 0 , 0 %C +B ?>? 2
! ? ,,@C ! ?JB C@2 -C !@ b5@AA@, ;KL 0) 1 0 &&
;<= ! ?JB C@ , ?- + +B@ -A,G ,D J, A+ . +B@C@D -C
,>S>CG ;KML 7 " < B.) , !$ ' ;QM +@C +-
E@ . @A , -C EG +B@ I>@@X@D E@CC @ - +B@ ! ?JB C@
9 %# % ' * % % -
*) - L % 4 $! ,& - , +0 C % "
'#" /& ! $ - * " * L %
O>+J 1 &"0 , 6 ; ;O; B@ 3->,D ! AD EG +B@
!@ AD@ JC)> A. 7 . @ -C+ - ! ?J,@C2 B B E@ C
B +@ 5,- @C SQS- 3 $ E0 $"> ? ' 0 1$!
E S +2 -,D@A ! ?JB C@2 1 (SS ,C2 &C U+@G ! ?Y
JC@ + ' &) - (;MP ! ?J,@C B@C@

[illegible]

*1 / $: E' 8 ? J,@C

[illegible]

<:*1)! @ B / $. 1/ @
>3)$ E 1/ 6 / @ 11 / 1

[illegible]

"@E'A-FZ'8 A'3

B@'A ?@' - '+B@" @EC@ B@C- B- @@SJ,-

[illegible]

#2 *1 /)'E C 4 '1 'O

[illegible]

! ? -> A' 8 @?) A A(2 1(AD' $(

[illegible]

3 / 2 (/
1 2 ! / 3' E

[illegible]

'1 / ! 2
/ 1 $ - 1'
2@ 2 $)S

[illegible]

!2/ "A1 !1) ' 6' # "

8 / 2 / 3 ./] b' 3 /) /]'
Q)Q/ 1 5) / /] b' 8 /)]'

[illegible]

2/

[illegible]

3') 9 3./
2 /) 2 .$ K $ $ $'$ O $' 3'

[illegible]

C@?@DG' ,,' GUA@ @ ' ;PNK' B ' $' $ ' - ''K
E@' > C' A >@' - '+B@' >@ +' %->C+ ' +PM ' B.. '?)!/'
`$$. '?.T' - *! ' 8;PQ<(' P<E2' >?' ! C - -6
)>@' .>?' +-' A ? +' ->AD@ ' AD' -C@ ' SM M'
" $' e' QKQ' OC ' B +B2' A' +' @, @2' ' ! A + @' @C+>@
O>+' C-A' ' %-CC- @2' AD' A-+' ! A + @' ;MPP' - B..
% ' 0' «' ' W LL' B + ' 9 A. ' B->,D' C@ @ @' +B +'
J@ >, C' &C ,@D.@2' AD' A + @' &- @C2' B@C@- ' D ,G'
A + A @ ' C@' JC@ @A+@D'>A+-'> ' ;QN)' (' $!' & !
;;' ' <;2' ;' J@ U' A-+' - ' +B@ C' ?@D A ,' -J@C + -A 2' +B- @'
,+@C + @' -C' A + @' @ @ + ' B B' +B@G' A @' >J-A' ->C'
E-D@ ' ;Q= ' - .) 7' D ' 2 ' ' S 2' ' A + @'
-J-C @C-> ' DC >.B+' SK M' B ' 0' ,,!0' ' !0'
;MM' " ADU@C B @ ' > @D' +-' E@' A @C+@D +-'+-> B' +B@' J, @'
B@C@-A' +B@' E-DG' B D' C +' E@@A', D2' AD' D@C @' ' A + @'
A ,>@A @' ;)P' $',!)' 5$-(' SK' 5@E ' L O' B@' J@ ,'
+C@ +?@A+' B B' B ' E@@A' JC- @D' @C @ E,@' AD' A + @'
EG' JC + ,' BGDC-J +B + ' ;K<' 3 ' , & '
C!$ ' ' ' ;NK' B@' J, @' ' A + @ ' +B@' C2' +B@', .B+2' +B@'
J@C >?@ 2' -A -CD' A' B JJG' B C?-AG
E ' % 03(' @ J ' &C-?-+A.' ?-C ,' -C' J C +> ,' B@ ,+B
$' ;P=K' ' ..' . &'0(' '(' =' A.' +B@' ?@' -C' '
C@?@DG' \' ?@D A@' - ' +B@ C' J@ A@2' DDGA.' @>@C' -? B +'
+B@C+-' +B +' ' + +G>@' \' E-, -?@' ;MQ=' . ' 5, !!0'
&!0' <' ' <;' B@' ?G +@C @ ' +B@? @, @ 2' E@ A.' D>,G' -AY
D@C@D2' B @' B D' ' @CG' A + @' A ,>@A @' -A' ? AG' +B +'
-A+@?J, +@D' +B@?' ;KSM' .)7 ' $ - 0' $'(' JJ
/ ' 8;KPO(' ;N<' ' -C+' - ' A + @' ->A+@C @S +@?@A+2' +B +'
B-,D ' A' B@ U' +B@' ?-C@' D A.@C-> ' D @ @' - ' 3@+B-D ? '
;KL;' . . ' $ 0' (' ' ,,' ?J- +>C@' ' - ' A + @2'
A-DGA@' A +>C@' SK)' = '? 0' & ! ' ' OK<' , @'
A + @' C+>@' - ' + -A ' +-' D J@,' D->E+' AD' D@ J C
/ ' # 2' J@C+ A A.' +-' -C' -A @CA@D' +B' B@ , A.
L% /' #')8) ' C % , 0 , * 0HH!0 N&! &H ' -A.C>-> ,G'
D-' +B@' 3> ,' AD' ! A + @' C+' ?@@+' +-.@+B@C ' 4KOO L='
<&& >') "' (' 8@D)' =(' ' ;=M' B@' E -CJ+ -A' - ' +B@'
,> D' E@ A.' +B@' C +' +@J' A' +B@' A + @' JC- @ ' ;KKL' ? (
A0' 0' # +' L<Q' B@' A + @' JC- @ ' EG' B B' D@ J C'
+C A -C?@D A+-' +C >?JB A+' +B'
0 ' 10 ' C@?@DG2' 1 0
,' ;==N' C& ' !0' =' 0' C& - ' #+B@C' ^B@ , A.a' CEG ' +B@C'
E@A' 6-- #J@CG ' + -' ^G a' +B@' ->@C@GA@' >@+G '
^ ' $ ' A@+G) ');MQK' !"' $,0' , ' e' L' ' ' B@' +B +'
B D' A' >, @C' A' B ' E- @, 2' B->,D' JJ,G' ,,' A ' E , -? AD'
A + @' -A,G' +-' B ' E@ D
"@A @' %' ! 'A + @>@ 2' B@ , A.' I> , +G
SSMM' - B.. ' & ')' ' &'(' 8;MMO(' * ' =K' A'
-E >C@' ,, .@ ' ,,@D' " ,@' @ +-A' B- @' @CG' A ?@'
!->AD@+B' -?@+B A.' - ' A + @A@ ' +B@C@ A
((*70 E1 ' 8 @A +-b'C C?(' & ' A +-C
, - ' &'(' A + C >? ' ^ ' ?-D ' $'$&)-
' ' ' +-' >C@2' B@ ,' @@' ' ' AD' &
% ' ' $'$&)-0' B@' @CC-A@-> ' -C?' $'$&)- '
D>@' +-' -A > -A' +B' B D
' A' @ + E, B?@A+' -C' +B@' C@ @J+ -A' AD' ?@D ,'
+C@ +?@A+' - ' A ,D ' ' A' C@ @A+' > @' B @ ,G' @ +B@C'
- ' -A ,@ @A+' J + @A+ 2' -C' - ' -A >?J+ @ ' >AD@CY
.- A.' +B@' -J@A C' +C@ +?@A+
;K=N' .0' -$ 0' ;PO' ^ ' JC- J@ +> ' - ' ' B@' ! A +-C >?]' !
' @, >JJ-C+ A.' @ + E, B?@A+' -C' +E@',-D. A.2' A>C A.' AD'
>C@' - ' U' J@C -A (' ;K<<' -0' <$00' O;' >. ' M ;' F> +@'
' ,++,@' B- ,' - ' -?J A @ ' -C' +B@' @ + E, B?@A+' - ' A +-C '
B ' C@ @A+,G ? D@' + ' JJ@ C A @' B@', +@ +' -?J AG' '
+B@' " CC-. +@' ! A +-C >?' -C' %-A >?J+ @
/b ' J, @' +-' B B2' -A' ->A+' - ' ->C E,@'
, ? + ' AD' -+B@C' -AD + -A 2' A ,D ' C@ -C+' -C'
+B@' ?JC- @?@A+' - ' +B@ C' B@ ,+B ' * ,(' ' B ,, '
+ + -A' A' ' B-+' ->A+CG2' @ J ' A' AD 2' +-' B B'
C@ D@A+ ' J@C -D ,,G' C@ -C+' +-' C@ >J@C +@
;K=O' ' $ (' V$ - ' H0' LK' B@ @', D @ ' C@' UA- A'
EG' +B@' @,, @,@ +@D' @J +B@+' - ' ' C ' 7 D- ' AD' +B@C@'
C@' -?@+ ?@ ' ?-C@' +B A' +G' - ' +B@?' +' @ B' A +-C >? '
!K=P! #%F6 $' $$ 1.0' ? 0' ' $ N +' O=K' #A C D.@'
- ' %B@' ->+@C' " ? , G 2' + AD ' +B@' A+-A?@A+2' -C' D@J-+2' - '
AD->C ' +' ' @ + E, B@D' A' ;KOQ2' ' ' A + C >?' -C'
>C-J@ A' +C--J 2' 4KP<' ' "!&'' 8@D ' O(' ' OML'
@>@C @,, 2' ' ' A + C >?2' ', +,@' +-' E@' C@, @D' -A' -C' +B@'
C@, @ ' - ' + @' ,?@A+ ' ;KMP' C$!!' $!!' <0' O< !@J+2' SX '
A' A., B' JBG A2' B-2' ' +B@' > +-?' 2' B ' + U@A' -A@'
- ' +B@' C A.' A +-C ' -A' +B@' B-C@ ' - ' +E@' 3@D +@CC A@ A'
>AD@C' B ' @ J@ ,' J +C-A .@ ' SKK-' ' '$' -' O=' JC ' PLL O'
B@C@' ' ' + ?@' B@A' 3 AA@ -+ ' ' C@. CD@D' ' ' A Y
+-C >?' -C' +B@' , + ? ' - ' -A >?J+ -A
((*70+' 0 /11!.' 5 '!6'1%' / %C' "$'
$! . '6' C' $"$!)' ' ' 1)%' &!
' %-AD> @' +-' B@ , A. ' >C + @
;SKLO' ' &' &!0' S ' 8;KL=(' ' ;P;' B@C@' C@2' B@'
^->C' ?-C , +a' +@,, ' G->2' +BC@@' D- @ ' - ' +B@' ?-C ,' ?@D A@ '
A' +B@' JC-J@C' D- @' +B@C@' ' B@ ,+B' AD' @+G ' " ' B@' A-+'
A-+@D' D- A' +E@' A +-CG' I> A+ +G ' -+' B @ ' ;KLL' ' . '
C>$'$ (' ' ;Q=' B@' C .B+@-> ' C@+C E>+ -A' - ' " @ @A' B B'
' ' ,+- .@+B@C' - ' ' A +-CG' A ,>@A @ ' SW=L' B ' '
' & 0' ;OQ' ! A +-CG' @S >C -A
/ ' # ' -C' J@C+ A A.' +-' B@ , A.
$ >+' # 3 ' ! - 0' ' 8;KKN(' =K' +' ^+B@' A ?@*)
,-A.' E@@A' J@ , X@D2' +-' +B- @' B-' J@C -C?' +B@'
?@ B A ,' J C+ ' - ' +B@' A +-CG' C+ ' $ >0' = ' 2 ' '
- ' ' SS ' L;K' 3 ' 5,-C@A @' .B+ A. ,@ E D' C-?'
' @ G' @ C,G' J@C -D' +>CA@D' B@C' ++@A+ -A' +-' A +-CG'
I>@ + -A
)K ' &@C+ A A.' +-' B@ ,+B ' 83 > @D' -C! $ (
;K=M' C)' , ' 4 2' KQ' B@' ! A +-CG' %-AD + -A' - ' +B@' % +G '
;K=Q' !!! 0' $' 0' 2 ' ON' - ' L=Q' ?@@+ A. A' ->C'
- ' A' @ @ + @' AD' -?JC@B@A @' A +-CG' E ,,' +--U' J, @
! AE@A +# ' 8 @AE)C++'(' 5-C? ' M' 8<' C))('
K A O@A +-2M' ! O@A +-21 2! ?E@ +8@2' Q' ! ? '
E@A + 2' ! A E@A +2' Q)' A 2' ?E@A +- ' ^ ' !J '
$''? ' &' !+' O@A@) +' 8 ' -??-A' A->A' C ++@A'
$-1 ' &+0' % ' &. ' $-1 ' & ' + 2' 52' $'31 ' &'
8 M+B' ' C ' $' ' +0
!-' ,,@D' C-?' + ' C@ @?E, A @' A' B J@' +-' +B@' J>, C'
A+C-D> @D' EG' !+ ' O@A@D + (
6AD@C' +B@' !J A B' AI> + -A2' ' J@A +@A+ ,' . CY

?@A+' - 'G@,,- ,-+B2C@ @?E, A. J>, C' A' B J@2'
-CA ?@A+@D' +B' ' C@D' !+' ADC@ ' C- ' E@ -C@'
AD' E@B AD2' -CA' EG' ' -A @ @D' AD' J@A +@A+'
B@C@+ ' , -2' ' ? , C' . C?@A+' - ' ' E, U' -,->C'
-CA ?@A+@D' +B' , ?@ 2' D@ , ' AD' -+B@C' D@ @ '
8 -?@+ ?@ ' ,,@D' ' && 2' -CA' EG' 1)' ?Y
J@A +@A+' -A @ @D' B@C@+ ' +' A' >+- D @
S M-' ' A' $.!)" >' &"0' F$/ OD' ' 7 @' @C@'
EC->.B+' A+-' +B@' %B>C B2' @>@CG' -A@' +B' ' ! ' O@A +-' J-A'
B ' E U@2' B B' ' E ,@' ' G CD' - ' G@,,- ' ,-+B2' +B' ' B-,@'
+-' J>+' A' ' ? A ' B@ D' A' +B@' ? D +' ;PMK' ' +C'
<&' $!)T' ,& 0' *(' 'D) 0' &C@ 2' ' A@ @' U AD@' - '
%-A +-CG @+' J ' +-' -?J@,+' +B@?2' EG' $ U@ ' %B A@ 2'
" ,+@C 2' O CA ,@ 2' ! ?E@A +)' 1 (' O;' E2', TB@' ? CU ' ^- '
B A.' E@@A ' +B A' +B@' AI> ,+->C ' J @ ' (' C@' -??-A,G'
+B@ @ ' ' B +@' , A@A' . C?@A+' +B' ' C@D' C- @' ,,@D' '
! ?E@A +2' AD ' J@CJ@+> ,,' , >AD@C' AD' .A-? AG' +-' ,,'
B ' +- U@ ' 1 (' =P' E2' !> B' D@ @AD@D' +B@ C' JC- @ -A'
. A +' +B@ C' D@+@ + E,@' , B--D@ 2' @ C@' +B@' ! ?E@A +'
A+-' +B@' @CG' + U@2' B B' ' ' , A@A' . C?@A+' - ' +B@' ->,->C'
- ' @ C+B2 AD' ,,' +-' E@' J A+@D' +B' E, U' D@> , ' ,' ;PK
3 ' . . 1 ' A' $.!)" >' &"(' 8;MNN(' ,, ' =KN' B@' AY
I> +-C 2' EC A. A.' +B' +B@?' @C+ A@' --,@ ' - + 2' ,,@D'
A' +B@ C', A.> .@2' 0' ? ' & ' B B' - + ' @C@' ? D@' - G@,,- '
-++@A' \' C@D' C- @ ' J-A' +B@?2' E-+B' E@ -C@' \' E@B AD ' ;MO='
<$ ' %& ' C&* ' ;O' A' +E@' AI> + -A' +-' E@' ,-+B@D' +B' +B@'
! ?E@A +-2' ' J>A B?@A+' ' +>J@C -> ' ' +B@' C+ A.' - '
O D@ A' A., AD' SM O' = 3 . . ' (' $' *(' ; OQM! ? '
E@A + 2' J A+@D' +B' ,,' +B@' , ?@ ' AD' D@ , ' A' B@,, ' ;MQK'
B . ? ' ' ;PQ=' OG', G A.' C A ' +- E,- ' > ' >J' A'
+B ' -J@A' !+C@@+ ' / .> 'D' A' $>?J 2', U@' ! ?E@A +@ ' c_<c'
) . ' +C ' -1& , > ' 0' 'D) 0' ' ' S, ' O<='
&@A +@A+' " @C@+ U ' C@ @ @D' +B@' E,@ @D' ! U ,-+B2' -?Y
?-A,G' ,,@D' +B@' ! ?E@A +- ' ' +-' +B- @' B-' C@' D@ .A@D'
-C' +B@' 5 C@2' X ' !> B' ' B @' -A @ @D' +B@ C' " @C@ G2' AD'
C@' ?J@A +@A+ B@G' C@ ' ,- +E@D' +B' +B@' ! U ,-+B '
B B' -?@' ,,' +E@' ! ?E@A +-2' -+B@C ' +B@' ! ? CC ' -C! ? '
C@++ ' AD' +B- ' +' E@' - ' +B@' ?@ ? U@' ' +B@' ! ?E@A +-' 2'
G@+' +' E +B' D @C@A+' 3 CU 2' ' - ' ' E, U' %-,->C' ^@+ a' S& S '
' ! ' & 0' SSS 2' 7 B-' @@?@D' ' @ @ +> ,,G' D--?@D'
+-' D@ +B' ' ' +B@G' -C@' +B@' $'1 ' & ' - ' +B@' -AD@?A@D'
B@C@+ ' A' A' $) &3 % (c N& . . ' ,(' 8;K=N(' 4 '
;NQ / C@ D >,' D@ +B @A@ ' J A+@D', U@' $'1 ' & (
c]N ' 0' !@C ' ;; ' & $3% ' ,,' +B@' , ?@ '
AD' +B@' D@ , ' @C@' +>CA D' >J D@' D- A' #A' +B ' B E +2'
@+ -> ,G' +@C ? D' $''? ' &(
*1)2 ' ' 6 /' 6' '
*1)2 ' E@,, ' ' ,' '
' ' *1)2@ ' 1 0 ^5 ' $', '/$'' :%' 2 E) '
6'4 :%' @1 ' $ 0 : ' 0 4 .D
cM]< ' ' C&2 C$! 0' JJ ' QO' B +' +B@' + +@ '
B->,D' J G' >A+-' +B@?' -C' +B@ C' @Sm)A @ ' A' B>ADC@D'
+B-> AD' ! A B@+ 2' -C' -+B@C' 5C@A B' ?-A@G' @I> ,@A+
' *1)2@ ' 8 @ *U>(' , -' AU- ' ^ B A+ '
& $'.)! ' ' U AD' - ' ?J,@' .> + C' > @D' EG' 7 @ +'
C A' A@.C-@
;KSQ' 8) !' @+ ' &'' &' $' ' ' ' 8;K;<(' LK'
' ! ? ,,' DC>? 2' AU- 2' +--, ' ^@+ a' 4KP=' = ' ' 0
$' (' S 2' ! AU- 2' B B' @C@' --D@A' E-S@ 2' - @C@D'
+B' D@@C' U A ' SK)' 7 . ' " ' ,(' $ 0' O;[' B@'
A B-' ' ? ,,' +C A.@D' A +C>?@A+' - ' +B@' A@.C-@ ' - ' > A@ '
;KQM' ' \' ' 0') (' - (' $', &('
+ ' ! A +@b' (' 1 (' $ ' n' ^ CC@. ' ' ' $'3'
, M' ' #O O' 10]' $' 0' -' A + -A
' ' =)). ' O 0' &!&-&''5)' ' - ' C .B+@-> '
A@ @' E@ C@ ' G2' AD' @' J>+' D- A@2 B@', ' @' - ' -D'
A +@D' +B' C@A- A@
*1 2 ' 0 X3. ' $(' $ 0' 51 ' ' $', 3) ' B-,G' '
' ' $(]' " -,G2' 12 %' 2) 21 %
c &R ' # ' ' ' &- ' PK' ^+C ' C-?' $-? A'
, a' ! A +' +B A. 2' C@' > B' ' +B@' ,, ' AD' . +@ ' - ' '
+G ' $ O/' B . . ' $' ' ' ' ' SS S ' MNO' 7 B@A' +B@' A +'
AD' + +@,G' @D @' ' +B' +B@' E,@ A. ' - ' -D' -?J,@+@D
*1)2 ' -E ' ' ' *1)2 1 ' J ' O'
*1)2 1)!/! 8 ' 8 @.U+ A' ? +(' $ 0' ^ ' '
$', 3) ' B-,G' i ' $' -3) ' ? AD' i ' <-- ' % ' %
O ! " % O ! " @+ a' " -, A@ ' - ' ? AD
X&-S' 7 ' . ' 5$ &' !" $ (" 0H0' =L' 7 ->,D' A-+' +B@ @'
-CD ' E@ ' C,G' @)C@ @D' EG' +B@' A.,@' -CD' A + A+? +G'
-C' C@, . -A ' c _< 5 ' > 50> & 0' ' ! ' ' ;Q' ' $ (' -C' '
&)(' D@, @C@D' +B' -A @A+ -A ,' >A + -A2' A- ' @,,' A .B'
A J C@ ' ' @A + -A' - ' -,@?A +G' A' + ' B@ C@C2' AD' ' J@C > Y
-A' - ' A + A ? +G' - ' + ' >++@C@C
*1)2 ' %' -E ' -C? ' - ' " '
*1)2 6! ' -E ' -C?' - ' !' '
+! A +@-A 2' Q' 1 (' $ UH ' !!0> 0$, Y) '
B-,G2' ' i ' ' ' &@C+ A A.' +-' A+
4ML4 : ' ' C&!" & &' ' ;KP' & +>C@ ' - ' A +@-> ' B +-C @ '
C@' E>+' A-+@ ' - ' D A@' + -A ' A' B>? A@' B C +@C
*1 2 2 :! ") -, 32 0' H%0(> (T $',! ,&!3$'
06 ' $',!3 ' $',) ' ' ' ,&!3 ' +-' -C B J(' ;'
*-D ' -C B JJ@C' - ' A+
SMS ' 6 .)' 5*& 0' & & 0' : ;<' B ' , -' C@JC- @ ' +E@'
*> + C @ ' AD' A + -, + 2JB C @@ AD A+ -C B JJ@C
! > + E,@' 8 @))U+ E,(2' $(' $ (^ '
!' ' i ' ' % J E,@' - ' E@ A. ' A + ,@D '
"@A @' ! A + E,@A@
% &]' ' O ' B ' 0' C$)!> ' &', * (' . (' S ' OQO' B@'
E-DG' ' A + E,@ ' B@' ,@ B' >A A C , E,@ ' 1 (' OQ;' +'
+@ B@ ' J, A,G' +B@' A + , E,@A@ ' - ' +E@' ,@ B2'
+ ' ! >@+ +@ ' ** ' $0' 1 (' $ 0' ^ D ' @ , '
' $', % 3) (J ' JJ,@' - ' $', % ' +-'
!' ' @@' ' V]' ! A + @D2' B-,G
%4=KP' 1"' " 0' F$ AD . ' OPPP' -' B ' E,G GD' A ?@'
A + ,@ ++ ' , - ' 6& * ' -0' =N; ' : - @JB2' B ++ +@'
' +BG' GC +' ->AD + -A ' BG' J C@A+G ,@' ? G' JC G @D' - '
,, ' 4! ' <& 0 $-% '' 3 U@,,' &'0' (' 8;KKO(' ' OM='
OG' +E@' -A @J -A' - ' +BG' E,G D' ?-D C' AD' C. A@' BG B@'
' A + ,@ +@' A' B@C' ?-+B@C ' -?E@ ' B >@' ?@C G' -A' '
;PLK' ' C &- H' 0' 8/ -D ,@G(' LL' A' +BG' ?-+B@C' '
-?E@' @C+' +B->' A +G G@ +@' OG' ?G' .-D,G@' .G +

! A-+C +@G[) ' $ (' [0> (' $', B 3('
JJ,@' ' +@?' - ' $', B ' @@' JC@ ' AD' . ' a'
$' 0' -' A + G
$' 4MQQ' '0' 8;MKM(' ' SSS =<L' 7 B@C@ -C@', U@Y
@' D-+B' ! A+' &@+@C' C E@' ->C' @,@ + -A' +-' +B@' 5 +B@C'
JC@D@ + A + A. 2' +-' +B@' !-A' JC-J + + A. 2' +-' +B@' " -,G' B- +'
A + + A. ' ;KKL' $ ' 7 ' L ' &'&' ;' ' K' &-J@' C@Y
.-CG' ->C' C? ' A > +@
! A + + -A ' 8))U+ U) :-A(' ^ D ' @ ,
' \$',!6, &'Y -(' A' - ' + -A' ' $', B ' +-'
!' ' ' 5 ' $', B ,$ &' ' 8 M+B' ' #5 ' B D'
+B@' @? J-J>, C' $ ' B ,$ &' ' C-?' +B@' ;O+B' (a
' &!(' B@' + -A' - ' +B@' " -,G' !J C +' A' A +Y
G A.' -C' ? U A.' B-,G' +B@' E@, @ @C2' EG' +B@' ?J, A+Y
A.' +B A' B ?' - ' +B@' %BC + A') @ ' AD' +B@'
D@ +C> + -A' - ' A >,' ,@ + -A ' , -2' +B@' -AD Y
+ -A' -C' JC- @ ' - ' E@ A. ' -' A + @D
OG' +B@' ? *-C +G' - ' +B@-,-. A ' A + ,@ + -A' ' C@. CD@D'
' ' .C D> ,' JC- @ 2' A-+' 8 +' ,@ +' A-C? ,,G(' -?J,@+@D' A'
+B ' , @ ' B@' D- +C A@' - ' ' -C' * % , ' $', B ,$ &''
8-C' - ' $'' * % , &''H @@' 6 D' ' +B@' @ 2'
B@,D' EG' -?@' &C-+@ + A+)' +B +' +B@' -AD + -A' - ' C@@D-?'
C-?' A' 8+B->.B' A-+' C-?' .A-C A @' -C' A C? + @ (' ' ++ AY
E,@' A' +B@' JC@ @A+', @
4POM' C ! (' C %(' 87 ' D@' 7 ' ;PL;(' O;P' 7B B@' E@' +B@'
@CU@ ' - ' ->C' A + , G-A' AD' .,-C G-A ' ;PKO' ' '
8$B@? (' O' (' ' 5\' B +' E@' B +B' B- @A' G-> ' A'
A + + -A' - ' J C +' ^XMXX)' +BC->.B' A + + -A' - ' +B@'
J C + ' ' $! (' ,(' A + G A.(' OP<Q' ' ' ,,!0' C& 0
I ' ' e' ;N' B +' +B@' .C @' - ' A + + -A' AD', @ ? .B+
J @' C-?' B ?' +-' B ' B-,@' C @' ' ? ,@D + -A' ?@' C-?'
D ?' A+-' ,,)? AU,AD@ ' S S ' 7 ' -) ' ' '0 '
&C-JB@+ ' @C@' AD>@D' +B' ' .C@ +' ?@ >C@' - ' A + Y
+ -A' L%&/' X ' ?& "' (' 8;M=Q(' C@A@ A.' -
->C' A +>C@' -CD A.' +-' +B@' ? .@' - ' -D2' A' C .B+@-> A@ @'
AD' +C>@' B-, A@ @ ' B B' ' E>+' E@.>A' A' +B ' , @2' AD' '
,,@D' ! A + + -A ' SMKSdM' : ' 0' % ' '
7U ' ;Q;K' ' LQN' A-+B@C' - ' +B@ @' -CD A CG' #J@C + -A)' - '
+B@' !J C +2' ' ! A + + -A ' B B' -A + ' A' +B@' J>C G A.'
->C' 7 ,, ' AD' ,@ + -A ' C-?' +B- @' U@D' A , A + -A ' AD'
A-CD A +@' > + 2' B B' @+ a' ;QP=' . ' ,0'
8;QPP(' ' O=Q' B@' -A,G' .A' - ' ! A + + -A' ' " -, A@ '
4QKK' 9 . ' . (' 8;KQO(' ' PN<' OG' A + + -A' @' C@'
@D' C-?' +E@' J- @C' AD' C--+' - ' A2' AD' C@ +-C@D' +-' +B@'
? .@' - ' -D ' ;KQM' : ' & ' (') -0' &!0' ' ' MP'
! A + + -A' ' +B +' .C- +B' A' B-, A@ ' +BC->.B' +B@' A ,>Y
@A @' - ' +E@' " -,G' !J C +2' B B' ?> +2' -,,- ' *> + + -A
"E ' '&', 3) 0' ' ! A + @D ' -C' J -> ' D@?@ A->C
4QMN Q!' " ' ' && ' & %' A)$ ' 8;KNN(' ' <=' ^!B@a' '
+E@' B-, @ +' - ' ,, ' ?A+ 2' +B->+' AG' J C D@' - ' A + + -A
/ ' B@' + -A' - ' -A @ C + A.' -C' @++ A.' J C+' '
B-,G' -C' -C' ' C@D' > @' -C' J>CJ- @ ' B ,,- A.
;P ' A' O>CA@+' (' %(' .' $@ ' SS,' e' ;O' +' JJ@ C@+B'
, -' +B +' A' +B@' #,D' @ + ?@A+2' A' +B@' -CD@C A.' - ' &C @ + 2'
+B@C@' ' E-+B' E,@' AD' A E,@' ! A + + -A ' [*'
S ' <& !"' $" ' ' " ' *' E2' ,,' ?J,@+G@' AD' A.-D,GA@ 2'
B B' ?G.E+' A' AG' @' -E >C@' +B@' A +G + -A' ^ a'
- ' B ' A ?@2' E@GA.' E A+ B@D' G' ^ C-?' > (' OP<Q' '
,,!0' C&!(' I ' SS ' e' 4 B@' A + + -A' - ' D G@ ' AD' + ?@ '
' ' +-U@A' - ' +B +' +B AU >,A@ @ ' B B' @' - @' +-' -D '
4MLQ' 8_ O!&O' ' (' C4 (' -(' ;;; ' ' M' ! A + + #B' '
+B@' @++ A.' J C+' - ' ' +B A.@' -C' ' B-,G' -C' C@, . -> ' @2' A'
> B' -C+2' +B +' +B@C@ +@C' +' ? G' E@' J>+' +-' A-' -+B@C' @)'
4 3P' +C ')* '> ' ,,!0' (' 5D ' 0' ' ' OOP' B ' &C G@C'
^ A.' - ' +B AU ' E@ -C@' 3@ +a' ' ,,'D')A + + -A2'
E@ > @' ' +' E D' A-+' JC@ @D@D2' +B@' @ + A.' AD' DC AU A.' @C@'
C@J>+@D' &C-JB A@2' E>+' E@ ?@' " -,G' EG' +B ' &C G@C ' 4KLO
7 ' E 0') 0' ;MP' B@', +>C.G' - ' +E@' ,, A'
B>C B' -C . A ,,G' -A+ A@D' , G ' -?@' A - + -A' -C' JC G@C'
+-' -D' -C' +B@' A + + -A' - ' +B@' @,@?@A+
' ,,!(' B@' + -A' - ' ? U A. ' J@C -A' ' A+ '
A-A X + -A
S)!' = . ' $ (' 0' ' =;K' B- @' B-A->C ' - ' O@ +Y
+ -A' AD' ! A + + -A
! A + + -A + ' $ 0' %0'
' a' ;! a' #A@' B-' B ' ++ A@D' ' @A+ C@' A +Y
+ -A ' 8 @@' JC@ ' (
XKMK' L ' 9* 0' ' ;LN' 7 +B' +B@' 3@+B-D + ' B@'
+--U' C AU' ?-A.' +B@' ! A + + -A + 2' B A. ' ? AG' + ?@ '
,- +' B@C' +C@A.+B' EG' ' >DD@A' ,,>? A + -A' C-?' -?@' AY
E,@' JB@C@
+! A + + @ 2' $0' 1 0' $ 3 0' 56 ' 22: '
C ' $', % ,$ 3(' $$: ' / ' 6' $', B ,$ ' ' !'
' <I, D' * A!)4' ' 1)2 !6E' ' /13 ' : :E
OMNQ' , & ' ,0' $ E' ' , 0"0' " ' XM-' B@' BGJ-@C+ @'
- ' +B@' %C- @' A' JC G@C' ' JC->@D' A' C@ J@ +' +' ' +B->.B+' +-'
E@' -J@C +>@2' A +,A +>@2' AD' B@,J >, ' +B@C@+-
+ ' ! > + + -C ' 1 (' $ UV ^ D ' @ , ' '
$', % & ' .@A+ A ' 6 ' $', B ' ' !'
% ' #5 ' $', B ,$) ' T ' A + @C2' B ,,- @C '
8%-+.C (a']'
$/J%' .) ' ' , ' O;L' E2' !-' ' +B@C' A-A@' -+B@C' A + '
+->C' ?@A -A@D ' E>+' B@' ,-A@
! A + @D ' 0 X3 !6 !%. ' **!0' $(' 56 ' !'
;8 6 4 G
' # ' ' J@C -A ' 3 D@' B-,G2' @AD- @D' +B' A+,G'
B C +@C ' * ,(? D@' B-,G' EG' +B@' D A@' .C @' - '
+B@' " -,G' !J C +2
,' O=KL' 1"' " 0' 8;KKO(' ' ,--+' 7 B-?' @U@' G@ ' -?@A' A@ '
+ @D@' ' L ' ' B ') -' & %' 0' 5' *' E2' B +' ?> B' AY
C? +G' AD' @' D-@+B' C@? GA@' ' G@+2' @>@A' A' +B@?' BG B@'
E@' A+ G@D ' ;PQ<' 7 ' 9 . ' &' %) 0' $- !" ' &' % ' &' '
O' 2' 3 -AU@ @J@C +@D' C-?' +B@' -C,D2 -C' +-' , @' @>@A'
-' ' A + @D' -A@ ' - ' -D ' OP<Q' ' & > ' &-* 0'
OLL' -' +B ' D@>, @' ' @A+' ?@' C-?' ' >A2' #C' ! +@C'
A + @D' - ' B-, @ +' A-+@ ' OMOO' . ' $0' S, ' L ' B >@'
-?? AD@D' ?G' A + @D' -A@ ' OK=Q' B)8 ' '0'
&0' &- -0' /@D ' M' ,,' &B ,- -JBG2' +-' ' +C>,G' A + @D'
3 AD ' E>+ 3 ++@C' -C' / A +G' +-' -CU' >J-A' OQMO'
< .) ' $ (' (' S 2' " @' AD ' A-' B C +@C' -' A + @D'
+B +' B ' A-+' +' , A. 2' A-A@' -' A ?-> ' E>+' B ' -?@ B +

[illegible]

[illegible]

[illegible]

B +C , $ &O = B. 3 0 ' 0 =NN - +B +
A + ? -A -> * C. -A B B B ! ? EE-,@+B2 -JJ- @D
A-+B@C * C. -A A-+ ,@ E >CD AD ? > B ? -C@ -D -> ;KQ;
1 C!$" 0 ' 0 8;K<=(A OLQ " @ A -C ? @D >
+B + +B@G @C@ @+ - A + ? -A -> B> ? E>. AD +B @ @
"@A @ ! A-+ ? - A -> ,G $ ((K A + >-TA
-> A@

;MO - . $ &"(b 1 @ UA- D@@C DG " -
+C>,G B @ ,- 'D G@2 E- A + ? -A -> ,G #E @C 'D G->C
B-A->C MQ< <) C$ (8;Q;L(6 J -A
,+ - -A $@ @SJ- @D +B@ A + ? -A -> A@ - +B@ C
D ? C@D &B C @@ ;QQ; = < 66 0 $ " ?$
&' ; L2 ; ,, ? - + A + ? -A -> ,G J@C -C ? ? G J C+ -
+B@ - @A A+ KQM 3)) $ $ > $) 0
<= "@A @ -C CD +B@C@ , D >J -C ? @ C- A - .,-CG
B@C@ A- +-> B - A + ? -A -> A@ -C A+ A B@C
>++@C A @ - +B@ @ -CD 2 -A,G B ,D, U@ AD ? J, + +B

(D* 17 =0 8 @@ .U+ ? A (^ # 5 $ ' , 3(
$ ' 3($ ' , 2 ' (D $ ' , - ' $ C@DA@ 2
A + +G2 C+>-A A@ 2 $ ' , 3) B - ,G @@" V
i ; " -, A@ - , @ AD B C +@C +B@ JC- @ -A
- B-, A@ C@, . -> A@ 2 A + +G 1 0

!) S . - $ <& 0 ;NO B@ B +@ , A A. 2 A +
? -A @ AD JC>D@A @ - ->C C@>@C@AD ? -+B@C ; P) 3 "
) . $! '> $ 0 $, $ - ' %** B + @ E@ +B@CEG
? -C@ @B@ ? @A+, @ +@C@D J +- A + ? -A @) AD J>C + @ -
,G @ $%+O ! !! > P< 7 B B B -,G AD@C
+ U A. J ,.C ? .@a2 +B ? - + > +@C@ A + ? -A @ B@
- ? J, B+ ;MOL $ 1 &' , &' $1! $'
- $DC O * E2 B@ > A. J- @C - A CD A + ? -AG
;MPK 7 B '0 ' &' 0 OPO A -,D + ? @ + -C B@D
-C A-+B A. ? -C@ +B@A +B@ ! A + ? -AG AD ,@ CA A. -
+B@ O B-J $%O$ 9) (5& ' (< 5-C -A J >->
@C+>@2 A + ? -AG - @2 AD >+@A@ B@ A .C@ +
C@A- A ;QOP . $ - 0 &!! 0 8X (+ ? @
A+- ? G 3 AD +B +2 +- CC @ + >A @C , " -, A@ ,, +
-A @2 ->,D + U@ : ->CA@G +- +B@ B-,G AD2 AD - ->,D
C@+>CA " - ? @ +B O U - D - ! A + ? -AG

E # C +@C %B + +G -C D@ -C> ? - @SJC@
-A $ YY % B) A

;KON) - $ 0 &' 0) , $ ' W - 0 7 U ;KPL
OQ ; B ,@ ; D ? C@D2 +B J@ @ - @22 +B@ ? *@ +G
AD A + ? -AG - +)

) / ! C@ A@ 1 0

;PKL B ;; 8;KKO(+ + +B@G B->,D
C@J- @ AG C@, . -A2 B-, A@ @ -C A + A -A @ A +B@ ? H ,0 >CY
J, @2 + JJ@+2 @+ a +B@ D-+ A. & J + D-@ ;MSL B
C ! - $ = 9 7+ LO; B@ $ +@ C@ -,@ ? A X@D +B .C@ +@ +
! A + ? -A @2 AD # +B@ + U@A - .C@ +@ + -A @ I>@A @
;MO< 9 . A $> B (&!!T 8;MP<(MKK
+B@C@ > B ! A + ? -AG A +B@ J, @ ^& C, ? @A+a2 +B + +B@G
? G A-+ E@ I>@ + -A@D -C + @, @ B@C@ ;MKL ? 0 * ,0
OLO B@ B-,@ + -A E@ A. E->AD +- +B@ #E @C A @ -
+B ,) EG +B@ ! A + ? -AG - A # +B2 +B@ $@ > , B@C@-
? D@ " .B C@ -A

E2 * 0 B A. C@D 1 0

$;P=Q &, &) &' 11! ! =N A " X, 0 C 0 C 0 LN=
AD - +B -, B A + -A I +@ ? @ ,, D> ? @C@ ? -A @ 2
O@ -C@ +B@ A + ? -A @ 2 #C %BC +@ B-,G C +
&C@+@AD@D2 @ +@D -C BGJ- C + , B-, A@ -C
A+, A@ > ? @D -C ->+ CD A + +G

$ SMSK . 7 $ *2 F>@ + -A,@ @ +B@C@ .C@ +
C@ -A2 BG ,, D C@@+ &C A @ B->,D E@ C@ - G@ ,D A.
B +G E@, @ @ +- +B@ $ -E@ - ! A + ? -A @ 4Q=< 'PS 3 7"
') (0 %% C$ * L;< C -> JJ@ C A @
AD C+ - A + ? -AG $ AJ ' .6 7 &' & &
O=; 7 +B +B@ C- A - A + ? -AG -A +B@ ->A+@A A @
$ J+ C B ? ' ! 7 U ;KML M< '& B
@J +B@+2 E@ +- @D J, G >,,G >J-A 7 B +-A EG ! +2 A
C D >,@ - B A + ? -AG 4KL4 . 8 .. 0 8 KKX(2
;NO '1' . V [? B B A- .C@ + C@J>+ + -A
-C A + ? -AG 4KQ; $ ' ' B : O<N B@ E CD
AD , @ A + ? -AG - &B C ?

"! JJ ? > @D -C . 10

;MLN M . 1 * *) OM2 B >@ D-A@ .C@ +
-AD@C +B@ @2 B@A @S+C +@D ? > B B + +G C- ?
! A + ? -AG A +B@ A., B >AA@CG2 >C'D +B@ &-J@
- B ,@ B@CG

(D* 7 8 @) U: -A(2 10 ^ 5 $ ' , &' 8 M+B
(-C D $ ' , 1 ' - + -A - -CD A A. AY
-, E,@ >AD@C J@A ,+G2 , - D@ C@@ -C -CD A A @2
A - + -A $ ' , +- C@AD@C C@D -C A -Y
, E,@2 -CD A2 D@ C@@2 C + G a
, -C D@ C@@ @ J A @ ,@) + , D@ C@@
^! - $ ' , * 5 T A + -A -> -CD-AA A @
@ ,@ + I>@ '2 ; P ; M ? -D@ C-G a 1 0 @S 0
C $ - $, $ ' , &' : @@ 7

PML KQ - L # " 8;P<M(P ; 7 B@C@ A- E-+B +B@
C>,@ - ! C J+>C@2 AD A + -A - +B@ -,D ->A @, @+
D@2 ,, +B A. C@ D@ D@D EG @C+@ A@ A@ D@ C@+ ,
-C C +B@C @S+C D@ C@+ , AD @S+C . A+ -A + +>+ -A
4PQQ ' ' !$ ' S S 8;KQQ(% A>+> D D
+ +B@ , + ? U@ >ADC+@ A + -A AD D@ C@@ 2 #
B ' $ (1) 0 8;KKO(;P B@ EC@ B -C -, + -A
- AG B> ? A@ , @2 -CD A A @2 -A + +>+ -A2 + +>+@2 -C
A + -A) $%%+ # .) , 0) 1 0 ;; C>,@ S e <
O>+ @ @A A +B -C . A , C>,@ AD .C@ + A + -A -D D D
D J@A @ +B +B@ C @, +@ SMMK ") ,
+B@ C + ! A + -A2 +>C@ . @ +- 3 A2 B -+B@C +-
+ A B + +B@G) 4MQN & $! ' ' 0 ;NP B@
A + -A AD -A + +>+ -A - B - A + -A $>++)
' " $ " $ <Q !@ >C@ +B@ C@D F> @+ - +BG
3 AD2 AD U@@J +B@ ! A + -A +>C@ B D@ .A'D A>+%
. . 1 8@D 9@C @G(2 $ ' , &' (/ @ C@@2 #CD A A @2 @ J@Y
,,G > B C@, +@ +- ,@ + , + ? C +B@ %-AY
+ +>+ -A ? D@ + +B@ %->A , - O ,2 -C +B@ $@ -C ? + -A
- +B@ %B>C B $>A [1 " 0 0 O D B ? B@
! A + -A - +B" @ ? E,@D J- 'C C@J-C+ B + @ 6 ,G @
+- B A + @ , AD 3 > + J@@D2 -E@D @A+ +- +B@ C B . B - ? Y
? AD ;K==' : $. ;< B@ E B-J
+- JJ- A+ JC @ + AD -+B@C JC>D@A+ ? @A2 U ,,@D A +B@
D A@, 2 AD -A @C A+ +B +B@ @ ,@ + , A + -A
/ $ 2 0 B@ J@ B J@A ,+G @A +@D A -CD@C +-
@A -C @ -E@D @A @ +- ,

$ $%JJ B 0 8;MLP(OMQ B@ @ C@2 -C ! A + -A2 -
+B@ % - ? ? AD@ ? @A+ JC@ @C @ +B@ 3 @ ? -CG - +B@ A
->C B@ C+ ;MQ; ^$ = 9 V) &' ,&' 0 L;M B@
A + -A AD J A - +B D A@ E@ A. EG A A >CC@D
$%O% .. 76. &, 0 > $ %$, &' &C@ 8;M<Q(
;P +B@C@ @C@ > B ! A + -A - +B@ 2 B@C@EG A
#E, . + -A +- &>A B ? @A+ D D -,,M +B@ # @A @ -CE DD@A
EG + $>J% B . ' $ LP , 3 . +C +@
->,D ? U@ +B@ ! A + -A - +B@ C + U@ J, @2 +B->+
A+@CJ- A. + ,,2 +@C +B@G B D J @D +B@ ? 2 3, B" "
! SS P< 7 B@A .@ C-EE@C @ @) A + -A
EC @2 , SG 2 B ' C&* " $ 2 7 U 9 LLK B@
? -D@ - -A + -A @S+C -CD A CG +B@ J@A , A Y
+ -A - +B + ;QK; %- & $) PPL "@ . @
J@C @ + C>,@ AD .> CD + +B A + -A @ @C@
@A.@ A @ A A , +2 -C AA@C @ C K S # OK)
A % / @ 0 " 0 8;KQ;(OQK - C@ I > C@2 >AD@C
> + E,@ A + -A +B + ,, +B@ @ .B+ AD ? @ >C@
B->,D E@ -A -C ? 3 @ +- +B@ A + -A , +) D CD I O
= B. !! &' <& (A '0 %0 3 C ;KQ B@ @ C
- D@ +B2 +B@ ? - + -C ? D E,@ A + -A B B ,@. , +-C
B @ E@@A E,@ +- D@ @ ;KL B %) * 0 8;KQL(: <O
B@ @ , B B ,, JC-E E,G E@ A >CC@D A @ - ? ? AD
E@ D -E@G@D C@ I>@A+,G ,,@D $ ' , &' (-C A '%& , Q
- ' &1 ' , ($ && < .) <! $ '0 0 " + ;OO ^ A
+B@ O E,@a + D@ , C) >AD@C +B@ ? - + > , ! A + -A 2
+B + -D ,, A-+ @AD>C@ +B + B B-A->C B ,, E@ .) A +-
A-+B@C $ &/ . A ' , " , !0 &*0 QLL O ! A Y
+ -A - +B@ - + -A B@ @ A + -A 2 ? G E@
C@D> @D +- + - , @] 8 ($@JC , 8O(7 C $ >/
= 0 ' 0 L< A-+B@C @S ? J,@ - +B@ A+ -C
@ UA@ - +B@ A + -A A +B@ OC@E-A ,

E S+@AD@D +- A ,>D@ +B@ JC- -A - C@ CD
-C -E@D @A @2 ,-A. +B J A A ?) + -C D -E@D Y
@A @2 +- , = -) ' $ & " D + A. > B@D
C- ? ' ,$ & " -C *) ' $ ' , &' +0

L%OA . . +C) - 1 !$ ' $ 2 $ 0 e ;L ;OM
B@ +C +@ + ! A + -A B B AG ! - @C .A &- @C) A . @
>A+- + 2 2 B@A + B +B 2 D@ , C@D2 B + + ,,
-A @CC > @A+ B C@ - . - -D B A. 2 -C $@ CD 2 -C
- D- A. AD - , 2 -C &>A B ? @A+ 2 >J -A AG EC@ B2
-C A@ . ,@ + - + % - ? ? AD ;QOQ : = L 8 . . +C) - 3
1 !$ ' $ 2 $ 0 e LP O=Q JC + , &C-Y
J- + -A -A @CA) +B@ &C- @ >+ -A - +B@ % - ? ? -A - -D2
.> CD@D EG +B@ 6 A + -A - $@) CD AD &>A B ? @A+ 2
4QMP O %9! D & - 0 0 PM "> ? A ,@. , +-C B @ -C
+B@ ? - + J C+ B- @A +- ? U@ +B@ A + -A - +B@ C ,
C +B@C ' ,$ & " +B A -) ' $ & "(;KOL 7
C ,) !0 0 0 == B@ +@ ? J-C , A + -A - +B@ ^ 3 -Y
a , 2 +B@ J,@A+G AD ? A@2 +B@ +-CG AD D@ @ +
;K=P $ # ? ' , " , !0 &*0 +, MKM ; 7 @ @@, >,,G
CC A+@D A %, A. C@ CD ? -A. + ,@. , A + -A
% B@ J C+ -C , > @ - , B B D@ , C@
+B@ J@A ,+G ++ B@D +- A C A. @ ? @A+ ! ? , C,G A
B C+@C 8 @@ I>-+ ;K==(^! - $ ' , &0] 1 (
@S (

SM S L '%(? $ * 0 ;QP B@ B +B + -J C+ 2 +B@
? AD +@ AD +B@ A + -A O>%/ . & - -0 : P=
B@ A + -A2 -C AD +-CG EC A B - +B@ , B@C@EG +
.A @D B + @ , -C J@A ,+G B ,, E@ A >CC@D EG > B
- ? ? + AG J>E, C-A. 2 AD +C A .C@ -C A@ .,@ + +B@ C
D>+G 4K== $ / ' !&3 $5('0 8;K) K(JJ "
LM< B@ A + -A -C ,- @ - +B@ B C+@C A +B@ @ A +C>Y
? @A+ , ? - + , G +B@ ? @2 + ,@ + A >E + A @)
-C+ - E,@ A. JC- ? @D +- +B- @ 7 B- -E @C @ +B@ .C A+2 AD
- ? JC@ + -A . A + +B- @ B- EC@ U +

K , 0 -A D@C + -A B B -J@C +@ +-
@A -C @ -E@D @A @ +- AG , -C C>,@ - -AD> +
C@ - . A X@D ? -+ @ -C -A -C ? +G +- ? -C , -C
C@, . -> , 2 -J@C + A. @ +B@C +BC->. B +B@ . @A+ '
D@ C@ -C - ? @ C@ >,+ A+ . - -D -C +BC->. B B @ C
- - ? @ C@ >,+ A+ @ ,

+@ BA , +@C ? - +B 2 8B@ -CD ->C@D EG
+B@ 6+ , + C A 5-C +B@ , , ++-A - +B@ D @C@A+
T A + -A @@ I>-+ ;QKN AD ;KKQ B@ A + -A - ,
A +B@ +C + @A @ 8 @@ O E- @(D + A. > B@D T,@. , -C
T J-, + , ' O@A+B ? ' T ? -C , A + -A -CC@ J -AD +- +B@
T - , A + -A - -+B@C C +@C

SMKS ! - & - 0 $ 2 $ 0 QO B@ ? - + J- @C
>,, AD @ @ +> , ! A + -A A +B@ 7 -C,D2 O(+B@ &,@ >C@
-C -C ? @A+ - % -A @A @ $> / &) $ ' &'
S S <N $@, . -> X@ , +C@A. +B@A@C2 -A C ? @C2
- ,, +B@ - , A + -A ;QPK $ = ! + $@ @
- +B@ JC A J , F>@ + -A AD / >,+ @ A 3 -C , & CY
+ >, C,G B- @ C@, + A. +- +B@ #C . A , - ->C D@ -
C+>@2 + +>C@2 5->AD + -A2 $@ @C@A @ +- +B@ / @ +G2
#E, . + -A2 ! >E*@ + ? >++@C AD ! A + -A $> +
C ' ,0 (+ e O B@C@ C@ ->C D + A. > B E,@ ->C @
C- ? B B J,@ >C@ AD J A C@ A > @ +- , - -AY
D@C@D @J C +@,G2 +B@G ? G E@ +@C ? @D D @ * " ,$!(+B@
*&! ,$!(+B@ - & $!(AD +B@ ! &) AD A ? > B)
+B@ J,@ >C@ AD J A E@,-A. A. +- @ B - +B@ ? C@
J E,@ - . A. E AD A. -C @ +- AG , -C C>,@ - -AY
D> +2 +B@G ? G ,a - +B@ ? E@ +@C ? @D $ ' , &' 0 ;Q<=
J 1 0 8;K;Q(PP - >JJ,G B + ? > B ? -C@
A+ A. +B A ,@ -A - ? -C , +G2 +C-A. @C ? -C , A + -A
AD ,@ C@C >C A @ - >+>C@ *>D. @ ? @A+ ;KSQ #
= . . ? (' $ 0 S QNN B@ >AD D@D C@J>+ + -A -
. - -D ? @ >C@ 2 +B@ >AD D@D .A- ? AG - E D2 C@D->AD@D
+- +B@ %->C+ - / C@ +-C B@ .+ + A + -A - J>E,
-J A -A +B@C@ -C@ +@D >J-A +B@ ? -B +B@ -A @A+C +@D@A@C.G
SKMS = . . E ! 0 " L< 7 +B C@. CD +- AG >JJ- @D ? -C ,
+ AD CD] B + + A + -A B + C@ +B@ ? -+ @ +-
-E@G + $ >&) 7 8 0 , + 8;K<N(;M= B@ @
T A + -A @ ? G G S+@CA , AD A+@CA , B@
-C ? @C , , A ,>D@ E-+B)4) . , ! A + -A AD
T !- , ! A + -A ' $ > - 8 . C ' ,0 & $! ' 0 " ;==
&BG , A + -A C@ +B@ J,@ >C@ AD J A B B -,,-
A +>C ,,G -A +B@ -E @C A @ -C -, + -A - JBG , 2
+B@ A + -A @ ? J,-G@D EG - @+G C@ JC @ AD E, ? @2 +B@
? -C , A + -A C@ +B@ JJC- , ADD JJC- , - -AY
@A @ , +,G2 +B@ C@, . -> A + -A C@ @ +B@C +B@ @ C -
>+>C@ J>A B ? @A+2 A +B@ B-J@ - >+>C@ C@ CD2 -C2 +-
+B@ B .B@C C@, . -> @A @2 ? J,G +B@ ,- @ - -D2 AD +B@
DC@ D - D J,@ A. " ? SK) T 3 - .) 4 !$;NO
5-C B@ C@*@ + ->C A + -A 2 B@ E->AD OG A-+B A. @ C@
E->AD EG

= O AD A. -C @ . @A +- A - +B - ? @+B A.
B B ? U@ A - +B -C @A. . @ ? @A+ E AD A. *
-,@ ? A - +B -C @A. . @ ? @A+

S S O :-"!# $! '0 % = B@C@ AA-+ E@ , ++@C
DC AU@2 +- ? U@ +B ! A + -A A "@C@ E@. AA@ +B@
! C ? @A+ +- ,, $ BH ` 8 6 -0(-&' " &' ,0(
B 7 -CD ^B-A->Ca - +@A ? D@ +B@ ! A + -A - A # +B
+ C@ U-A@D .C@ + % - ? ? @AD + -A +- E@ 3 A - +C +
" -A->C2 5BOO O &! '> ' ,0 0 8@D P2 QMKV ; OK
^!@AA B@C E(B@ GC A2 C@. CD A. A@ +B@C +B@ A + -A
- - +B A-C +C@ + @ 2 + ,, -A+ A>@D +B@ C ;KSQ . . 6
0 !$ - S SS S) 7 @ @ C EG +B@@ AD +- ->C - +B
D- +B-> @ A + -A2 C- ? +B A@ B@,, - @AD AD , ? @
;KM< - & - 0 &' D0 S6 O=O 7 B@A E UA@ EG
B- > , A + -A B@ B D >A ++ A.,G E->AD B ->,
M B@ + -A - C@AD@C A. ,@. ,,G >+B-C + + @ -C
E AD A. -,@ ? A -A) + -A -C C + + -A . @A
+- , 2 @A + ? @A+2 @+ EG AJC A@ >+B-C +G

$%/ . 1 ! $ ' , &' (D@ C@@ A. 2 @A + + . 2 -C @ + EY
, B A. 2 AG -C #CD A I @ ;MMN #) , 0
) 1 (<< C>,@ e =; + E@ ? @ , -A,G EG +B@ >+B-C +G
AD JC% -@C) A + -A - -D ,SMK- 3) 7 - 0 8;QO<(
KW ,, B B , B @ +B@ C2 A + -A C- ? +B@ >JC@ ? @
, . @C ;M<< %!0 $ '(S ;MQ +-
A @,-++> ' O - -U - A + +>+@ 2 B B / C / > U @@ ? +-
? U@) C+ - +B@ % -CJ> B@ +B@C@ A ? + U@A) -C
A+ A. 6 A + -A AD >+B-C +G2 + -A,G G@+ JC +@
-CU OQK= %- J $ * (& 0 !! PQ % ->,D , , U@
+B + B B C@, +@ # A @ B @ +B@ A + -A - ->C +C J,@
+ +@ SK) . 8 .. < , SSS OO; +@ @A JJ@ C
+B + D@ C@@ ? .B+ E@ C + ? - @D A +B@ @ ? E,G2 AD
+B@A E@ @A+ >J +- C@ @ @ +B@ -C ? , A + -A - +B@ % ->A ,2
B B ->,D A-+ E@ +BB@,D OK=< = B. 0 ' 0
KP B@ D G -A B B +B@ C-G , A + -A 2 +@C
? AG D@, G 2 -,@ ? A,G . @A +- +B .C@ + +2) D G
- *-G AD B-J@ OKQL = : 0 ' (> OQ B> B@A
E-DG - OC@B-A *>D. ? @A+ JC- ? >,. +@D EG A C B
B @ +- +C E , @ ? E,G + JC-E E,@ +B + -A @A @A @
+B@ -E*@ + ->. B+ C +B@C +B A A@ A + -A
M A @SJC@ >+B-C + + @ J@C ? -A -C C@ - . Y
A + -A 8@ . - A + -A2 JC- @D>C@2 > +- ? 2 A + Y
+>+ -A2 @+ (

A>A+ - !E$ S O=E: B) +B B E,@ OC- B@
. @ +B@ " -D B + @ , B ! 7 -CD +B@ ! A + -A - +B@
-D ;Q=< . . , 8;QQQ(Q AD ? J,-C@
J C@A+' A + -A +- >JJ-C+ ? G , ? OQM< %) ') (
8 ;QK<(ML 1 -> J CD-A +B@ - @A @2 AD C@ A-+ B ? @D
+- . @ +B@ A + -A - .- @CA ? @A+ +- +B@ C -+ G-> - ? Y
J, A - OQQ= B * 0 - 0 $ 5 0 !@, 7 U <P "@
,, J@C ? + ? @ +- J J,G ? G @, +- +B@ " -> @ >AD@C +B@
A + -A - B >+B-C +G O) ! \ " C $ ' 1 0 0(
' 0 $ "> (+ ;NL 8 "@ : +- ,D B@C2 +B @SJ@C ? @A+ B D
A-+ -A,G B A + -A2 E>+ C ? @ + JJC-E + -A OK L . R
. A 0 &1 ;PQ O>+ B + B@ B- + > . B+ +B@ ? +B +
+B@ -D # A +>C@ AD E@A@ -,@A @ B +B . @A J@ ,
A + -A +- +B@ +C D@ - E, - - D OK=P - ' [& - - (
$ 2 ' 0 8OKQ=(S-K B@ ? -+B@C ->A+CG B D A@ @C
B@ + +@D +- ,@AD B@C A + -A +- +B + A I> +-> ? @+B-D -
>,+ + -A OK=< = B. 0 ' 0 QQ "@ B D
> @D + +- E@ AA->A @D +B +2 + @ @CG B>C B A +B@
U A.D- ? 2) @ + -A ->,D E@ ? D@ >AD@C B W A + -A -C
+B@ C E @, @ 1 0 S ==; " @ ->,D A-+ ? U@ D@ @A+ -A
A., AD +B->+ +B@ A + -A - +B@ 6 A +@D &C- A @
A J 7 O A $ 2 %0 O / PM; B@
+C> +@@ ? G2 +B +B@ A + -A - J@ , C@ -,>+ -A - +B@
C@D +-C 2 @J+ AG - ? J- + -A - @C@D EG +B@ E AUC>J+

E 6 (- , - A ,-- @C @A @2 ->A+@-BA @ -C
@A ->C .@ ? @A+ . @A 8 A+@A+ -A ,,G -C -+B@C @(
+- A -J , -A -C JC + @ EG J@C -A - A ,>@A @2
EG > +- ? 2 J>E, @A+ ? @A+2 @+ 2

OQ) ! & C&!0 &' $ (A+C-D L= >+B@A+ U SY
JC@ -A 2 ? @ A2 > B ? > +C@ @ @ ! A + -A C- ? +B@
J-, +@ 7 -C,D2 E@ -C@ +B@ C >+B-C +G A E@ ,,- @D OQPM
% B $ " + B@ ? >,+ +>D@ . @ + -A
+B@ A + -A - >+B-C +G OQQ= & ,& (' ;QQO2
O<K !> B ,@A. +B - + ? @ D-@ + C@ I > C@ +- C- -+ ->+ -,, @
+B + B @ +B@ A + -A - A+ I > +G OK=O =
<' e O= KQ B +@ + ? -AG2 J-J>, C,G A+@CJ +@D2D-@
JC@ @A+ .C@ + JJ@ C A @ -) %+ -A +- - ? @ - +B@ @
B B C D ->A+@A A @D A +B@ @ & .@ OK=< = B.
(' ("HH0 ;KL $@, . -A . @ B@C A + -A +- +B +
A+@A @ AD >A I>@A B E,@ A ? - +G OKPO) \
" - - W C2) b 8 KMO(< , =SL " E@B ->C . A.
+C-A. A + -A +- +B@ @CG B@C@ G B B +BC@ +@A A.
+B@ @S +@A @ - +B@ %B>C B

2 ! - ? @+B A. B B @C @ +- >JJ-C+2 >+B-C X@2
-C -A C ? A + -A2 JC- @D>C@2 @+

OQOK 1->C) # & $ - ;P) 7 @ .C A+ +B +E@ >+G A-
E C +- @A @2 -C '+ A + -A -C ? J@C+ A@A @ OKPM
! ' &0 ;; ;; 2 B@ @DD@D G-U@ +B +@ B
B D D-AA@D2 !@@ ? A. A + -A2 A-+ E-AD) OKML 7 "
. - $ 8;KQM(MN - > @ B A.) ? , +B@ @
A + -A +B@ - @ - JC-JB@ G ->,D A-+ E@ A+ A. 2
+ E C@ - ? ? @AD + -A -C +@ + ? -A , 1 (
OQ<O 8 .. "& ' &' D 8 2 7 B + C@ -A B D +- B-J@
-C +B@ ->A+@A A @ - +B + @A@C E,@ @A+,@ ? A +- +B
7 -CU2 ,, JJ@ C C- ? B + B@ 7 C-+@ +- ? @ >J-A -C ? @C
- -A !> B A + -A +- ? G >,+G - . A. *> +
C@JC@ @A+ + -A - / C :-BA -A ->,D A-+ -A @ , OK;L
% = . . 8@D P(&A@ 2 B@ >+B-C +B AU +
$ B@a E>+ D- A. B ? @, *> + @ EG C@J>E, B A. +B@
-,,- A. A + -A 2 +B@G - >CC@D -A +B@ AC + D + -A

c` K >C A @ - JC-+@ + -A >AD@C +B@ , -
B- J + , +G 8%-A > @D +B $ Y (
4 P $+%" $ / - < &' &' S, m S U AA-+
-C. @ ? G @,] - > @C ? G @, +- E@ JC- -U@D EG + -
> B ? @A2 +- -, +@ +B@ A + -A R ? G - A B-> @ ;

(D* 7 8 @ C U* -A(2 (^ JC@ E % 5
$ ' , &' - 8 K+B (a $ ' 0 - . @ A + -A +-
- C + G -C -A C ? EG A + -A -C -,@ ? A
@A + ? @A+ +- A @ + +B ,@. , -C - @C@ .A
>+B-C +G +- ? U@ , D -C E AD A.

c__ # 66 JJ 2 7 U ;KP< ;=M &C@ @C A.
+B@ @CG 7 -CD - +B@ @ + E, B@D , 2 B@C@ @C +B@ C ? @ A

[illegible]

[illegible]

[illegible]

[illegible]

J C B - %, J+-A ;KPP 1 0 4 ;P; ; B@ C + C A. A. -A +B@ '$! -C , C.@ E@,, : +B@ , + I> C+@C - +B@ B->C' C A. A. -A +B@ ? ,,@C E@,,2 +B@ A +@ E@,, $ 1(;KLN ') " ,,!(' D(8% ?EC % ?D@A !- ;K= (OP ! A +@ E ,, -+ ? ,,E>+ C@I>@A+,G@,@. A+ @C@ + -A + +B@ @ +@AD - +B@ A @ ;K=W ,,! !& OKO E@ >+ >, A + E ,, -+C@? A ^;KQM 1"< 0 $' , ,& +>CC@+ >J-A %B>C B C-- -C +B@ ! C A. E@ C

***1)2 1** ! -C? - B 1 0

! >D 2 10[1 0 5-C? ; O AD2 -AD2 L M AD8@2 -AD8@2 L AD2 >AD2 P AD@2 ->AD2 ->AD8@2 -EAD@2 - AD@2= PM K GAD8@ ^# $' ' +C2 @CA 2 # @>+ $' 3 A c $' B$' +-) V

B@ + -A - @AD A. +B + B B @A+2 ?@ .@2JC@ @A+ 8 -D (D J@A + -A -C -CD A A @ ---)) 5$ & '0(6) 0 8 ? AA(S ;;=2 \ B ? D)B ? @ -? V>CB B@-C DC B+A@ AD@ ?@+@ - B@- @ A>? $5B%5) & 0 PN<< -.B+ +G->C C@D@2B-+ .-DD AD2 7 +V> @A+ A ,- HL , AD2 , O& 0 OLP; O-+ J E@ + C+ E D@A@ AD B@C @D -D@ AD ,? ` ;LLK $b B . &'(8;KSN(;;= +$)@ E>C.B@E J C,@?@A+ E@ E@,D@2 J@ -,U D D -?-A (V-C.B \ . J A -AD@ + ,,@ A A.,-AD -C+- C@2 3 A Z, E@ +@ +- J ,,@ ;LQQ 7. A L=< J@ ->,@ J + J@ -AD@ ^- +B@ +@S+a + U@+B E -+A- B@ ,)>AD@);LKN 9 . 6 . 0 8;KKN(O<O 7 B@J@C JC@, + A- E@A ?-C@ -A @C?@D A.S @J AA@ @CA+ J@+ C J AA@ + C AD@ J@B C + + ;LKM B 8 $2> 0 QOK !B@+ U@+B A.--D @A+@A+@ B@ ,,@- %C +2 AD2 U @,A. -A +B@ +C-AD@2 !B@ @GD 2 ,-CD G @, -? E@ +BG -AD@; ;LKQ 3 8$-,, (=;P 3@A B DD@ C + EG -DD@ -AD@2 ,;==NN 0 &";NPNM -AAD ,, @AD EG D CGAD $;==N (;NQ<8% ?EC 3! (B G +B AU@D -D - B A+ - @CC A+ 0 ,&)*!"B@C@ B >A @2 2 - @CC >A ( );==N & . " 05(O== + .-DD ,,2 + ,E@ ?GA@2 . GA +@B AD@ ,;A@>@C B-A@);==N C &- *(C$ 0 9 #!-AD2 -C @ADGA.@2 - &0 !-AD2 -C .G+@ @A+2 ,, ') - 0 ,4= $ $ $% " -+B AU BG?@^ -Da -' ,B JD@ AD .G +@ %4PNN :) <;= B C EE+ +B@ 2 O@+ U AA ?@A2 I>B ,U@>@C ? C ?>? AD2 B@ GAD - -D G C@J>+ ?G B A @ 8;PON $!%#S98 -+ +B AU@ -D - B -AD@ @,;P P $! &%?$ " A " X " + 0 C 0 - == C B@ ? A @C B@ AD UA- @A -C + .-D@ ,@CU@ +B-C-.-DD AD@

E B@ + -A - @AD A. -C A + + -A $&O&- & (C S OOP B $-E@C+ ' ?-AU@ - A E- @ A -C? ADG2 \ ?@ ->@C EG+B@ -AD@ - +B@ UGA.@

/ J@C -A -C E-DG- J@C -A @A+ -A A @CC AD A @?+ G A@A -G2 ?@ @A.@C 4NLK ,9@?E,@ & 0 *!0 8;K=M(PQ J -? C +@ GC@@ AD +-J ?E -J2 $SS 0 0 & 0 8 >D 3!(A ;N<P2 I -A J G, A))C@+-)@ A@ +C-A -?J @ & J A AD@B D@C+-, AD@J + 7 ,+@ CE \ @-J 4;P= 1 0 A ;;LP2 "@C@ AD@ @-CD@A E@+ GS B@-? I;ONP 3 L;OP "@ @AD@ B+ AD@ A+-E @, AD@ +- @C J A U A.@ $;OOP , 0 0 ;<N >@C B -C, B -%-D@ -AD@ "@@ ?-AA@ ?@ .@C ?@ ,B , B@ , B@ >AD@C >-A.@A ;LNN) & 0 ;=;PK J@ AD@ -.B+ ->@C ,, ,>D@2 5 AD J ,B ?A-.B+ A J + -A,C@ %4==N & . * 0 S, O< O>+ C +@ B@ D@ B@ B>,D@ D->A@ @AD@ " AD@ 4=PM < 3 $2 8! ! (;!< B@ GAD@- -D2 +B@ I>B ,U +-E@ AD@ C +B@ D@C -B@ GA2 C >??GA ,,;=QN <& 0 <$20=Q 8 C+B>C D(T; C@D@ @AD > +B A@ GAD +-G-A@ @+@ 4= M I>@A@ >@A@>@C EG ,@++@C P -AD@ 2 -C +- B >@ B C + -?@->+@ -+B@+->C@ -, -AD-A

E 6(&' $' -A A@?E G -C ?@ .@ O;LNN) & 0B &' 0-+ D ? -A @A+ AD 4==N *&- " &" OOKL !GC % ?JJ A> -C+B@ G .-A -A -AD2 -+B@ UGA.-!@ A G,-AD

@C A. - - -D ->C @2 ?@ OQNN * $! <!& 0 ;KK &-- $& ",&-- $) AD $ K SV %) <!& (-AD@a S;SQ) & 0 & 0 OLL AD J@C E B DD@A EC D AD A AD + AD-A ,;ONP O=MN; J E@-CA J >AD@ C-?U>@E@A@+-J A U A.@ ,;OPN $ -M A 0 0 ,0 ;Q= " @C E@-" J A@ D+B B@ ? DD J A@ @+@ -AD@2 ,;OPN< 0 5(OO<P # @>@C , -AD@2 -@>@C , A2 ?- + AD E@ + B@ . 3A ?A ;L ?) ;<OQ AD -@>@C B@ -AD@2:V +B ? -?+-B-AD@2 D@D@ B C@ @+@ J@C @C + ;==N !& 0 ? 0 ;NQO 8 C@A +B ?3!(J@C@ @ + G+B@ EC@@? @ A A-+ +@,,@ -AD@2 O>+ CG B@C @ A@>@C A ,-AD@

= & - 10(AD ? A2 ?@ @A.@C2 ?E D-C 8% QW) ;OQ=Q + D B@- > B EE@-! -+ @AD E C@ -8 D ?-AA@A

! AD 8 @AD(2 10 5-C? ; AD2 -AD2 L P -AD2 L M -AD@2= Q AD@2 8= -AAD2 P AD(2 L AD ^%-? @A+2 8EA+ A-+ C@ -CD@D A -+B (# $' (A@>+ f #5C & 3(#! 2 3 $' (3/A $'!($' 3 8/> 0$ A@>+ (2 #" $' 8 3 " $' ($' 3(?-D ' ? 2 D ,2 , -A@>+ (2 # $' 3 ? 8! 2 / $' + # @>+ T$' &3(JC-E @ C, @C T $- &3(T$-$&3 8 B@A @#" T$-$(> <0$- + -CC@ J+- C D*-D- a

? +@C , -A +A. - -??AA+@D C .?@A+ AD +@C -? J C+ ,@ - C- U 8? A,G , -> (A@C +B A +B- @- B B .C @, -?J- @D -+@A * ,(+B@? +@C ,- E@ B2 D@ @C+2 -C +B@ E@D - C @C -C @ K P ^ @@ ,0&&& ,V 5& 0 ;O J ,-B B@ E-A@ O. J+ A AD E@B DD@ GA@ -A E ? AD@ @ -- ;=KNO2 \ / C BB+ A EZC +- ,@ E@ Z \ @++ ++ j>JJ -AA @2=E@CC B ,+ ,, @+ @) @AA ,,@ 2 \ ++@C E+ @ @AA E@ AD B CCD +- . AA.@AA -AA@ $ "L&) &%3 0 OOPOQ A@DD@C +@C+ +@ - E@ AD2 AD + A.@D

, ?A J@ B AD2 ,;LK= B 0 $-;=KM ,+B@ @,D A E>+ - -AD ? ?A ? G @@ G@+ ,G@ A +B@ D@ @C+ - EG@ ;=KN L & 0 ;KO DC-J@ - DCG@ E,-D@ AD ? ,@ -AD ,@>@D -A B E-AD ;P) C! 0 C %0 87 D@ 7 ;PL;(M= $- @ J AD @A+@ -C+B@ AD G,,@D .C@ +@ U@ +B AD@ S!<S ! < (;; S - AD C B + @A+G !@ 2 ,, +B@ C AD @C@ J@ C,@ ;M<P 9)8) $(0 $ 8;QOL(ONQ B + A@C 3 ++@C2 >,. C,G ,,@D ! AD2 E@ A. C@ ,,G A- -+B@C +B A @CG ? ,,&@E,@ ;QLL 1 0 $') 0 ;NO 7 B- + >.B+ +B@ A + -A + O>,D -A +B@ @-C C B E@A@ +B +B@ AD% ;Q<< 0 6-!0 OP=!, @-> AD2 , A+2 , G AD ,- ?2 -A + +>+@ +B@ JC A J ,J C+ - +B@ -+ ;KON !0 @A + ?@ +B@ 3 -+B@C - +B@ 3 -A+B 3 B D E DD@A +B@ E ,,- +- AD@A B@ @ D@ @C+@D AD 4KQN Q $!"C$ 0 LNP B-C@- B CD B+@ AD 3@+ +B@ .C@@A B@CE .@2 SKQK *. C " & 0;LO C>,@ E-+B +B@ .C @ AD +B@ AD -A + B@ ,G- +B@ >E + A@ ,,@D ;K<Q<.) $;CG .C A AD J C+ -+B@ @ B-C@

+ E *& (AD 0> @D -C B@ B-C@ 8- @ (, -3 AD -JJ- @D +-) @ g @ J A =1%+ $ $' $' 0 1(

SO 9 C 40L2 J@C@ G>C@ E@ @-D@ ,-AD J@C J @ @-E + -AD S;LNN) & 0;N<;N J + ,, C-.B+ !>A AD ?-A@2 AD @ AD AD2 , b-9 B & 0 $, 8$-,, (;==QM !-,-A.@ B@ @C) \ J@ @ , AD2 \ UGA.@ ,- EG @ \ AD ;L 0 0 !!0 C 0 % L=; J@AA@B@ ^S C:-A Ba @J@ + -J@ -AD@ A ,> B B@D D-J@ $!5$ AD @ ++ ,, G ->C@ E@ AD Z, E@ ++C2 J + A >J- @ ,, AD C@ -AA@ @U@ @ A@>C@ ,$&A+ P)7 -1!"&% & ;OK C +B@G ?G.B+ E@ C@ B@ 8 ->:D-@ BG?-A +B@ AD@ ;=MN &2 !" " 0 S ;=; 3 B- A@ +B@ ?@A U@2 ?G ,-CD UGA.2 @ EG @@ AD AD L<< O-CA@ A@ ,G2 A +B , AD2 UGA. +B + ,, @,D @ AD AD ;PLW 8 &0 ,&0 8$-,, (PKN "@+>U@ +B@ @2 A A., AD GA@ CCG>+ + A@ AD2 7 +B , B J- @C +B C J + +-+B@, AD

7 +B $ AD * (-DE AU2 B- ,

;=<W , 0 D) " ,* +A /@ J-6 + -A@D +@ A> @S +@? A J@C >,-A C ,@ -) A@ AD@ A ?C ;P=M: 8)C & 0 8;KMQ(QM O>+ G->@ ,@ >@ ,, AU@C B-,D@2 -A @ -C ,AD AD - @+ J B-J J-A --D A AD O// A !CGJ@ ,, !0 -0 8;QO;(JJ << B@G +B + B @ E>G D@D >J-A !AD@ ,E@ @>2 +B->.B@ +B@G @ E>+ %,- D@ CG @ ;PKK < 7 A % $ * 0 - $ $8 G $@ !- (LPQ #A +B@ L-,B - :>,G2 J A. +BC->.B +B@ AD2 @ @C@ E@ ,?@D ;P<< " ;NN !!$- 00 7 B + 8B AU@ B@--> C@ + +@ V (>@A ?@A C U+ J-A ! AD2 +B + ,--U@ +- E@ B,- +B@ A@S+ GD@ ;M;L &>$%" !C! - $ 8;M;=(PN= B J8 ,,@D ! A+ &@+@C(@,, J-A AD2 AD J, + $>I 9)) & 0)* $- =0 #A >DD@A -> C !B J +C> U -A ! AD SKSW & 0A ((<P !B@ +C> U -A ! AD E->+ +BC@@ -C ->C ? ,@ C-? 1 C?->+B ;KQQ BL C " & 0 ;K; B@ J- + -A- +B@ JC A J , AD A +B@@ + >> CG- +E B ? D ADG - , %B @ ,G

;MSN . $- > ? (8;MLQ(P=Q B@ 7 @ + J C+ + U@A >@ J +B +B@ 5-CC@ + !E+C@ --D B J C+ E@Y > @ + ADG2 +B@ AB E + A+ +@ C?@ B@ ! AD2 +B@ -+B@C2 +B@ %, G S) W 3 $ 8;MQM(;< -! AD 2 - C@ +B@C@ D ,@C@A+ -C+ - %, G ;Q<= B 7) %&! OO #A E D AD +C@- ,@ AD C G .C C@ B- @A ;K=M L 1 (C $, (,08@D =(O=; ! AD b!-?@ - ?- +B@D +D@ C J+ -A - +B@ @ , A@ C,G JJC- B+- B X@ ? ->,D 1 0 .B+! AD @ .C A - AD 8!@@ , -O AD P (4P<M 2 0 !%(<! =O L ? AG AD +B@ @ ?G E AD A B-,D C@ E>+ ?G B AD >, - ?AG AD SMSS " -10 ;ON #A@ ! AD A-+B@C -+ ?-C@ C@ @?E,@ +B + @@+ $- @ D ^@+ @ ;MQL 3 $ 8;MQM(L= %, G -A +@D -? + @S @@D A. ? --+B AD C->AD !AD - @ @C , -J -> - ,->C

U < &!((' ($ (! $ M $;KP < 8 &$!3 $ - &) - 10) 0 * I) B@ AD +C +>?- - + AD +-A@2 C)>@A+,G ?@+ +B A AU A. +BC->.B +B@ ,- @C A@ C@D AD +-A@ ;K<= < & $ 0 # + =M= 5 A -,->C@D ! AD AD 3 C, <&!0 ! AD B-,@ -C E>AU@C -A ->C @ &1 $ +- E@ T E>AU@C@D ;K= 5 7 A <&!% $ $,0 8;KKQ(KO T @ ?@ +B@ C-A @+B@C C C+G C @ 2 A +B@ -> CCG2 +C U2 -C AD E@ - @ , " ,!0 *& =MM; O ,, A ! AD] V 7 B@A E ,,, @ A AD E>AU@C 8@+ a N$ A C -> ?@+ JB-C , AD ? ,+, @ > @ 2 (+B C@ @C@A @ + -+B@ AA>?@C E,+G - +B@ .C A -?J- A. AD ,KOP *0 C $! SS OQ2 \ +AD@ - @C B @ @ D> + , @ \ @ -AD @ M ,@)@AD A)MMC@D@ $ *&) & 0 OPQ; ;V@ E CA :V+ - a@ EC@D ? C ; J-> (V ? >A C@D@2 J A +@CA -A ,.B+ AD AD A @ ;P< " ;< ! 0 H0 LL B@ C+ ,,- - C- @ 2 +B@ !@- AD SM) @ - C 0 0 ;;<NL B@G ! C? J-J>,-> 2 >AA>?E@C D +B@! AD # 0 C -C %GC@A@ +-CC D - ;KSQ !$- S SS 2 C@ +&@),@ " +B@ AD E ,+ -B->E@ -?@

!$ 1 3 ! 2 $ &* &% $' I

/ $ 10

) 2 0<& * 0 3 ++ + OM!), @C@ @M@ @+? E@CD@ E> E -A -AD@ 4P=L P 8 $- 0 8;KQ=(N; +E +-U@A +B + G->C ->AD -A ,-B -A E>G D@D J-A +B@ AD@ ;P<M , @ + G@C - AD ;Q<N B- @ B@ C+ C@ ,, @ +G@C + AD ;Q<N B 0 0 7 U =OQ B@G AA-+E@ C+-B@ C+B@ AD -B 3 JJ -?J C@D +B +B@ C-U -+B@ B>C B ;KSQ $ $0 $!!& S 2 B@ C @CC-C V B + AD -A B B +BG C>?E, A. J- @C E> ,+ ;KLP O S, 2 !B@?@ - AD $ C 2 (2I ! $ &*!&) $ J , %R !$

;PQM - 7 C$ &*!(* 0 ;<=2 ? A E@,@@8 ?G J@C D>@A+>C@ - @?G @@D@ A +B@ AD@(+B +G-> ,,D-@ A-+B A +- ?@ ;PK; . & 0 K E2 !>C@,G B ,, @@?@ +- ?@ >C@ +B@ AD@2 B@A @A+@C >JJ-A +B@ ,>,@ - +BG $-? B @C C BG ;K=O V - &)) ! &) =<2 ? .B+ 0 @, B @ +C @D + A +B@ AD

* 0 C + - AD (, -A. B-C@2@ +> CG2 @+ -C -?J- A. +B@ E@D - C @C -C @ 4=) 7 A C$ & 0 8;K<Q(;OP ^"@a ,@GD@ B E-DG -A +B@ -AD - / - @C2 $ 4P=K .. &0" 0 !!!" <=E2 B@% +D A ,C@ @ @D BG?-A +B@! AD@ SMS- *0 LQM%-?@ A+-+B@ @G@,,- AD ;QN= &-50 * M; #@C .-,D@A AD ,@+ C B & +->, - 2 $>>& < .) $ 0 0 8;QQM(OO= B@ .C@ + $B A@)C+ - B B A -D->E+ ,- + A +B@ AD 2 , ++,@ E- @ @GD@A OKSQ 0 !$-S S 2 ?@Y ,-DG2 ,U@ @ -A C AU,@D AD +B + ,@ J $;KPK: 7 R C& - 8+ +,@(, TB@ ! AD -/@@ ,,@ C@ <)0 O<; B@G ->AD A U@D B ,D >J-A +B@ AD D CU A+ . EG+B@%-CA B @

E ! ADG -C D@ @C+ +@ S;P=Q B KLO 3 G B@ ,,E@ -C@ E + ?@ A.C >@D ?D +B@) AD@ ;PKP 9 7 +C Q , &!$> &"0 AC SS ;N B@ ,-A. D@ C+ AD AD@ 2 B@C@EG +B@G ?>+ J @ M) ;<Q V T ,& $> 0 ;;2S ;SO 7 BG , +B@ - + -&@C>2 E@A. 2>;- AD 2 @ G +@?J@C +@ P $%%> = . C(0 LPP "@C E CE C-> ! -A JC@ D O@A@ +B EC ,+ C +B@ GE A AD 2 $>J < $ &LO # @ A >AUA- A2 AY B- J+E,@ AD Q O> $ 8 1 * ;K= !-E CC@A AD ?E E@ +B@ B- 2 0>+ C@AD@C A@ +B@C C> +A-C - C $ AA $! & > ;=L J C +@ ?E> B@D A + J +B,@ AD $ &J 8 ?1! * $ > 2 7 @ @C@ A +B@ ?D + - AD 2 EC> B --D2 AD B>.@J @ @ - C- U % (SKSM !) $ (2 +@C,@ +C U #@C B B ,,B@ ,G+B@*->+ A@G A. G@ C &,-D +B@ , + AD -, @2 B@C@ A-+ ,- @C JJ@ C

3 &BC @ 8! (&! $ -C*) 8 J@C -A(& !& $' JJ 2+- ,@ @ A +B@ ,>C B2+- J, @ A D >,+G 0

;MQ - B A 3 & OC- A)**!0 , 0 8;KOM(PL< + ->,D JJ@ C 6DA@G +C A + -C +B@ B ,, ^S) E-AD -C +B@J G?@A+ B ? @, AD &6C@ @EGa2 J G B ?Y @,2 AD ,@ @ & +C@ BG +- +B@ ,A@ AD ;MQK : 8 % $ 8;KO=(LL 6- I> U,G @C@ +B@ &B@G J>+ . A +-+B@ ,-A. AD 8 @ G(

! > @D -C C-> @ -A-? J>CJ- @ , -2 A D>,+@C A+ &%$' $ % @@ ;N 4P4 O , L (!!!" Me 7 +B->+ @AG ? -A ,@ -G,@ EC@A@ ?- +>C D> + -AD@ -C -+B@C +EGA. D@ @G E,G J>+ +GA. +- +B@ ?@ 7 @EE@ ;PLN . 7 OMP ! AD@ +- U->C@ @ @, & (& - ;; L=P B@ , A@%-CJ> ,@ C@D + 6 D - @C A ?-D@C +@ 5 C@ - ! AD VK=K & -1 "SS, 2 B@ ,, B D E@@A ,@ A@D AD@ @CG+B A. 2 B A A. +B - + - J AD AD SK - U 166 . " @+ ;N<N ! AD2 B B A@ C,G J>C@ ,@S2 > @D A A. AD ?--+B A. E> ,D A. +-A@ AD ? CE,@ 4KPQ .)! $ & ;KK B@C@ E>+ ,++,@ ->AD + -A -C+B@+ ,@ @ E@ C E->+ +B@ JC@ @A @ - AD A >. C E A A.C@D @A+ - ?-C+ C ;=OQK ,(0 $ "$!! M< ,-J GD -C ,-D@ -AD@ S= PM% ,0 ,0)1! [5NN + O<N B@ GD :B-A B ,,C@J@C@ GD +- GC AD ,GJ@ ,B@ ,G? AD AD) 4QNL 4! > * & 0 9 B 3 -C+ C ? D@ - ?@2 AD OC--U ! AD SKM = 3 &- 0 - *0 , 8;KMP( ) " G +@?2 % > D - E +G,@2 AD +B->+ ,?@ %2 > @D +- DCG @+ AU ? CU COWL " ,(**0" 7B +@ ! AD A@ B A A. U AD2 -??-A,G >@D -C +C@ A. - @C C+A. SK-M:2 6)) - (% 8@D L(;QP A C+Y A. A@ +B@C AD2 E,-++ A. J J@C2 A-C C@2 +- DCG G->C J J@C SKM- !! $ &) &(PO2LL @ -A+ A> ,,G B U A. AD C-? J@JJ@C E-S - @C C , A. @A+C @ ? ? CE,@ - @C@D -JG E--U

D > @D A ? U A. ->AD@C ?->,D * ,(? S+>C@ - - ??-A AD +B E AD A. ? +@C , $ " $ (@@ < $ (($, "C$ $ @@- 7! 7 10 1 ($ JO X 0 P;K B@ @SJ@C @A @D ?->,D@C UA- B- +-? S +B@ D ,@C@A+ AD J, @D + B D J- , . B@ AD- AD ., -C B->C , -2 +B $ AD 2 .C A -+B %B @ ,G% (& ,08 CE (;LK 2 ?G +G ?@ B- +D D C>AA@2 AD ->+ - +B@ , @ $/OJ J 0 !" ; OP B@ ! AD C@ A>?EC@D2 +B +? U@ J ?G @ ;MNK] C 0 S - >C AD C@ ,?- +C AA2 $ S) F#B & &!0 ,$ 0 !- , S ;= / @ +B ? J C+ , B AD ->AD ,, U@2 AD D@ +B , @A- AD A>JA 1 *(&1 $- OOP ?@2 +B + -A +B A. , G E @A@A B AD2 1@+ + ?@ A-+ +B + + U +- ->C , AD $ J> ; $ S2 B@ C@? A A. AD -?G, @ C@ @ ;K<<: * 0 A - OK >. M = 7 ,B@ ^ &C@ D@A@ 9C>.@Ca J@ U +B@ A@ @ CG -CD B@ AD C@ C>AA A. D- A A +B@ .,

1 & ! (AD% (1 (L I & 0 0 ,& 0 &C@ 2 C@ A &! " B> B >A., D E@ -C@ +B@@2 +B + E@ C +@+E E@ + +B + +C>"@ C +@ +B@) >E, U@ C@ 2 +B + -?? AD@D EG ?GD@@C C@@AD +-@A+@C A+-+B AD ^@+ a S ?& " & %" $" OP ADC@ >C@A+ > B +B + U@A -C+BG J A@ 2 AD @ +@ ?> B A +B AD@ SMSK &) SS 8;MLM(O=; B + + X@A B->,D @A ->A+@C +X@A 2 +B@G @C@ @A @C A +B@ B@ C+ AD -C>?-+B@ +G2 A .B+ A.C->AD -C +B@ +C , AD

Q !$ (+ 8!@@ I>-+ (1 0 ! ' S BL !$ 0($ (?- + >. C *! . & 7 < & > 0)! 0 &) (

E %B @ ,G E(0 !$ 0 5 C?A@ - J>CJ- @ / + ? A % 1(5 b$

4KKL Q 7 .A $ * > 0 6$ 0 ONO --D2 -,D ? A B@ 2+--2 +B B@ J - AD A B ? m4KK=c = 8 ,. 0 MO 7 B@A +- ?J CA + @@,A. @CG EC B2+B@C@ CA + ?> B AD A B ? G C a

K' 2+ 2 5 ' JJ, @D'+-' C -> ' >E + A @' C@ @?E, A.' AD2 JC@ @A+ +B@C'A-C ? ,,G'-C' ' ? -CY E D JC-D> + ' A' @C+ A' A ? ,'-C. A '-C' @ C@+ -A ' 6 ' @@ I 6 -+' ;KPM ' , -' ,,@D '8!GD '! - 'O ($.$ ' ! $

[illegible]

, AD J@' AD EC> B2' +B@' EC> B' -C' >AD@C --D' - ' ' ADG'D +C +' AD E>AU@C2' ' ? ,,' @,,' @A @D' AD J +8: ? (' AD E>CA@D2E>CA+ +) 2 - ' ' + A.2 A*>C@D' EG' +B@ J C+ ,' > -A' - ' +B@' AD' A'+B@' ? ->,D ' AD E>CCfC C 8, C'8 @@' , -

[illegible]

' ' A' 0>6@A' 0' C 0' 2 g' B-C+ @" - @ A >@ CD@D' AD' I> A+ @GD@' SKM ' / ' 9 . 'C 0' $"' '8;KML(;< !>J@C'-C' O G' AD' + ' +C E>+ CG'C @C' ' +B' +B@ C' J + ' AD' AD E@,+ ' KK ' 5 ' ' $ $1 ! 3 $' '8;KK<(OLK '

[illegible]

D @ +@D' - ' + ' @@DZ ' > @D' ' ' AD E-S'EG') A+@C ' ;KK=

[illegible]

! AD' 8 @AD(Z (^ ')' 1(

' $ - 0 - ' C>A' 8 ' B J(-A' ' ADE AU' , -'

*$ 0 94' ' J@C -AZ +-'E@'C>A' .C->AD

[illegible]

!$ -' J>+' AD'>J-A' 8, AD(' ' 'DC@ A.

[illegible]

! AD ,' 8 AD ,(Z 10' ' , -' =' AD ,@Z P

@AD@,,Z M . AD ,@Z D@,,Z Q AD ,,Z Q ' AD ,Z

^D' ' $' $!) -' 8J ' $' $!$(B@A @' ' @?'

A.' ! J Z &.' $' $!$ ' 5 ' $' $! H D' C' C '

!D -GZ D ? ' - ' & V&' 8 B@A @' +' $' P?C+'

) - , ' -4- *' +B@' C@? -+@C @+G ? -,- .G' ' >AY

UA- A `

[illegible]

E' (6 @D' ' E@ C A.

- Z ?

SMKK $' ' . ' - &) "' - (;L O "@' E@ C ,E' #CZ + -'

[illegible]

! ' $! 10" AD ,' B--A'=$, 0+' AD ,

[illegible]

8 SAD3(Z 10 ' 5-C? ' P AD@,,Z 9

AD ,,Z AD-,8-Z P' AD ,' % 0'9' 8 C+' +' -C?(

AD ,>?Z 8A' +' -C? (AD-,-Z AD ,-' ^'

?@D ' $' $!) -' fb !J' ' &(5. Z +' $' $!& '

5 '+' $' $!' , -' # 5Z $' ! ' 8 B@A @' $' +'

$' ' 8 B@A @'+B@-,D@C A.' B D' E' ' ?@D '

C A+' $'!$) - ' >C @' A' ? -D ' ' .@A@C '

A ?@' 8B@A @' ?-D 5' $' $!+0 B@'>,+ ? +@' ->C @'

JJ@ C' +-' E@' !UC',$' $'$' 8" AD',$' $'+' '

C E' 4$' $(, +' C' &P 1$ & "' & " $[& (]'

T') .8)! A' + ' C -> ' JJ, + -A ' , -Z'

A' - A+?@A+' ? D@' - 'J- D@C@D' AD , --DZ

[illegible]

! AD ,' 8 7AD ,(Z 0' ^') ' $V

Z $' 0' -' >CA B' +B' -C' ' +B' AD ,

[illegible]

;$G ' 1 ' ' ' 10' <./

- D-' (Z <(44-< ' , , '

[illegible]

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*1)%1:0!. ' ! $ ' '

1)%1:!6 /'0 ')%1:!66(8/.' ' $ > ( ]6' '

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& =(<4- W77<' Y) . 1(c]

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[illegible]

%- ? E@ 7 A+-'+BC@@'J C+ '+B@' C +' B@@C@' "-A,@' AD' 7 S7
+B@' @ -AD' "-A @' AD' 7 S' +B' ! AD C B7 +B@' +B CD'DCG'
7 S' ;MPQ' ! ' & > $ % " ! !" ' F!' T' ;Q< B ' 0@@ 7
. +B@C ' '+B@' " @ 0@@' AD C B ' ;Q=Q $ ' = L8 . '
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' , =-< 'L07)-03 (4 = 1 4- /

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,: A, 'B@', A.> B A.' AD'8 +B->+' @'C@+>CA@'I> U,G('
+B@G' C@' ,,'8 ' 'G->+B' ->,D' G(A-' E@++@C' +B@A' ' @ '
C- +' +' ' B-C@7 -C' 'D B'- ' @,@ ' A' ' ! AD E .' SMXS'
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Z '$'9 .. '? * ,0' $ 'PN 7 - - ,,' U@ 7
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C@' > @D' -C C A.' & C J@+ ' A'B +@7 -C'+-'C@J ?C' B + '
E@ +@A' D- A' c_&& 9 .. 7 ' A'8*>C ' *0 8;KLQ('
O< 7 @' D D' ,,' ->C' -CU' , +' A .B+' @S @J+' ,, A.' +B@' AD'
E .' SKK ' $' $ 'Q' JC' P)'^ B@Ga' ? C B@D' ->+ '+-'
E> ,D7 'E,- U B-> @' +B'+ ? E@C' AD' AD' E . '
$ 10 %]' ! 0 ' ' '8@D' L(' 'QO' B@'+--, '
C@I> C@D' C@ ' ,@ A' ADE ,.7 AD' ' ADE ' -CU
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;KL;' . ' $ 0 0 ;;' 7 ' B J,@ ' C A . +-C2
J,>A. A. 7 ? D' +-CA' J C B>+@ 7 AD E . 7 AD' -A > @D'
C@ U7 +' @A->.B7 A+-' +B@' * ' - ' +B@' / @ ,' ;KPP
) ' $' 31. 0 $' 0'C. !0 ' " & 0 '@+ ' ;K= B@' @C-Y
A >+ ' JC- D@D' +B' E ,, +' -?J- @D' - ' AD E . 7 EG'
+A.'->+' B B' B@'D ? A B@' +B@' @ .B+'- '+B@'E ,,--A'
;KMQ' ' $!& >' & 31. 0 $' '1$ (? ,,' I> C@'
> B -A '? D@'- ' A , ' AD J A+@D7 -C'E- + 'E ,, +
D' (= (' W-(L7 ' ' -(04+' *=-' (' 3(K' 7? =(<
(**(D6-< 3+'(' =*0 K'*7 *6-' - <7? (' =*(?70 (4=7 '7 -'
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0-D- * E=-' ,D6 -?4+' ' (' W-(L7 ' E=-< 3+'
4E?? ((=' D7 = =* K' 7? (' 47 K'D+4 <0 D(4 3(K' ,=7 1 -[
* 1 -=(' --4=J / ? 44-< W *J =(<' 3+' W6 D6 (' 6-()+'
347W 1 (+' 3-' =*0EDJ W *67E* 4-() K (' 1 (0J
S) ' 'C 0' &' ' &'/ ' 'E7 A+@C' +'-A@'D--C@' +B@' C?Y
->C@C7 +B' 'DC>?' E@ -C@' B ?7 AD' B ' + @' +B' ' ADY
E .' +@A@D' +-' +7 AD' +' +B@' -+B@C' D--C@7 B ' ? A' +B' '
DC>?' AD' AD E ..@ ') %MbM 0 = ' '+C' ?&, ,$! ' >'
0% ('C$ - $ 0 ' " '8;MQ=(;LM'^ "@a' ' @+' >J-A' EG'
-?@ ' B-'E@ +'B ?' -' C>@,,G' +B' ! AD E ,,G' --A'
B ?' -C'D@ D' 4MQK' B . ') 0 ? ' "KN B@G'A- 'E@.>A'
7 +B', ' AD' -A @A @' +-' ,,' -A A. .'D' +B' ? -A@G7
E . 7 ' E-,D' ' ?@A' +B' W AD E .' D D' - ' -,D' ;QOK'
' " ,!0 'A) ' $ '(' ,@ADD@C' 0@ ?7 +' -A@'-'
B- @' AD' ' , - J' -C' , + 0- CD7 AD' +' +B@' -+B@C' '
0 .'-' ! AD' -C' / C+] B@' !J-C+' '+-'C D@' + ,+' +'+B@'
O- CD7 AD +-' @ J@' +B@' 0,- ' - ' +B@' ! AD 0 .' ;KQ;'
'C& - ($ ' &'% 0 P;0 AD' +B@C@' ' B AD@D'
B ?'^+B@' ? ->A+@E AUa' B ' >J' AD' E ,, ' AD' >A.' +B@'
AD E .' C->AD' +-' ,@ C +B@' CA.7 S) '
,$- 'LP= B@' JC@D +-CG'C B'D-'A-+' BC AU' @ @A' C-?' > A.'
+B@' ADE ,' AD' +B@'C@ -, @C] - ' ->C @' EG' D@J>+@
< ' ' 3(K' 70 DE=6 7 ' ? 44-<W *6 ? - =(<' E=-<
,7/ ') " ' (= (' =ELL70* ?70 *6-' L4(*-
%Mb ' .. 1 ! ' $) E1$ (A' + B A.'-J' C A.7 '+B +'
-A' B B' +B@G'> @' +-' +>CA' +B@ C' J, +@7 ,5 ' 'Q ! 4!5E'
' '=M +B@' + E,@ E@' C? >J-A' B B' J, @' G->C'
AD E .' +B' +B@' J, +@'>J-A' +' c <' 9 ' ! @+ ' ? .0
$ '8;K=0(OO= ' $ +' B@' AD E .7 -C' > B -A7
' ' -C', G A.' +B@' J, +@'>J-A7 -C' +B@' -A @A @A G' - '+>CA A.'
+' A' AG' D C@ + -A7 E>+' ' @,D-?' > @D' EG' C+ + ' c_< '
1 ' & . &* ' , * ' ' 50' H0 ;=< ;' ' AD E .7 -A' B B'
+-'C@ +' +B@' E,- U' B, +'@A.C A.' +
,YU/ + ' (= (' =ELL70* 30' (' =-* 4 13
;KQ '7 '$ ' ' , 0) ' ' , 5) ;== B@' C@ +' - ' +B@'
"?E ?> +' A- ' E@' E AD .@D7 A ' AD' E . ' J, @D' ,-A.'
@ +B@C' D@' - ' +
@ ' ' ,-A.' A CC- ' G, ADC ,' E .7 > > ,,G' - '
, AA@,7 -A+ A A.' A@' AD7 AD' > @D' +-' - @C' '
C@ @' AD' @S ,>D@' DC >. B+' -C' , .B+
SKWK ! 3 3 # /!' 0 &4E0 4<NK '%' ! $ '
'OOP' B@' J-UG7 - ? -C+ E,@' CC A.@?@A+ 2 +B@' AD '
E .' -C'+B@'D--C 7 ,' J-U@' - ' '+ ? D' A ,D' , @
6-' =*71 (D6 7? (' D0(3
4K<P A') ' .>' $' $ ' (8? CU@D'T A.'(
= ! / " ' 0?' L0-D G
' 7 ?E0 =6 W *6 =(< 3(K=
MR' $ ' 0 $ 0 # +' ==N B@' O AU' +- a' ADE ..@D'
AD' E CC D@D' %&RM $!"' - 0 ;;' / @ ' ;N P' " @' A-+'
-A,G' +@A' ,'B ' AD- 7 B@' ADE ' 'B@?
;' ' 7 ?-44 W *6 (' 347W ?07 1 (' =(< 3(K
;K)' &!) - 1) '8#B -(' *$, '*M' !@J+ 7 :-BA' @BA@C' AD'
"@DCG' 9 - -A+X' @C@' ADE ..@D' ! +>CD G' A ,$' ;K<7
' 8 .. ' $' !0 &' ' $ & 0 "@'B D' A-+' E@@A' ADY
E ..@D7 -C'E>A -@D
! ' ,=(-. <I3 -?KW/' ' 0?' 'F
7' ' AD' 0' a' " Q V
' W67 E=-= (' =(< 3(K' (= (' W-(L7
;KK= ,$ &' $ ' ,'-' JC 7 -+' ' JC X@' .B+@C7 -C'
+C@@+' ,- @C2 -C' AD E ..@C' JJ@ C' ?-A.' +B@?' 4K<=
,' ' %' ,$- 'L=N B@' AD E ..@C' AD' E, U? ,@C
, ' '=(4 K' 37(* *6(* E=-= =(< 3(K= (= 3(44(=*
;K<=) ' 0' 0+' 4 4 '=QQ 0 "@ @) -G '+B@' @' A
@ @CG' -C?7 B@+B@C' C A.' A' ' ADE ..@C'^@+ a
9 ! $ 0?' ' +' 0 ' G
7 ' 3(J 7? =(<'?70 1 -< ' (' 0) -0 70 =-(' 3+' *6-'
(D* 7 ' 7?* <-= (< DE00- *=
%b &) ' 1 ' ,.&!$ 0 ;OMK MN ' AD' E AU@' A' +B@'
00*)! ') 0 %Mb&' / ' .' - C 0 $' P;N' 5C-+BG'
EC@ B@'- '+B@' !@ ' - @C' +B@' ! AD E AU ' ;QOP' ' -
&"0 &) ' * & ! '8;K=N(;=Q !B@' + ,@D' .C->AD' >J-A'
AD E AU' c_' '$') 8) 'E*' ! 'S S' PO= B@' ' ,@'
,- ' D@' ? -A.' ADE AU 7, U@' '+D ,'C @C' A@ C'+B@' @'
% (% bb' = . ') , '2) X) 8 KMM('QK;' + ' ->AD + -A'
'+B@' B + A.' ADE AU' - '@? ,@' AD' C-G ,' -I>@+CG

/ ' &)' ' 0 8!@@' I>-+(
;KKK &, .2 && >' 0 .0 ' '0($' '?$' .(A'
->ADC @ ' B@C@' ? ,,'J J@ ' C@' +' A'I> A+ + @ '+B@' ?->,DY
A.'E-S@ ' C@' J, @D7 AD' +B@' ?@+ ,'C>A' -A' 'E AU' - ' AD
! AD E +, ' ^ ')' 1@ N 'C ,a
; ' ' @ @,' - ' B@ +@D' AD' > @D' ' A' @I> E,@'
B@ +@C' -C'C@+-C+ 7 @+ ' A' C ->' B@? ,'JC- @ @
O%>' 9 ' ' +C' - " ' &) ' -0 ;;' B@ @'
5>CA @ '? G' , -' @C @' -C' / + ,, A.'EG'+B@' $@ C .@C +-CG7
A ' +B@' ! AD 0 +B ' OQPK')'+C' $) >' ' -('0;=
!@+' +B@' C@+-C+' A' B' AD E +B' S@D' - @C' 'C@ @CE@C + A.'
>CA @' SKK-'% ' \' 5' 8 ' & - 0 C 0 ;QK' ! S' - '+B@'
C D ,@' A' '* C B B' +--D' -A' ' AD E +B7 C @D' +-' '
+@? J@C +>C@' CG A.' C-?'QMZ +-'KOZ 5 7 E@ ?@' B--U@D
$ 10 ;KLN E& ' 0 '=P= B ' JC- @ ' ?> +' E@'
JC@ @D@D' EG' +B@' AD E +B' -J@C + -A

' '? @D A ,' E +B' - 'B@ +@D' AD' - C' @ AD'
;KM< U ' !0 >' . "' QP' 7 @' ' 'J + @A+' >AD@CY
. - A.'+B@' AD E +B7 -C'CB@>? + ?
' E +B'+ U@A' EG' - , ' A' AD ' 'D> + E +B'
;K<4 A' ') "' ' 0
! >D E@ ' ^ ')' @*3)' 10]

' E@D7 , G@C' -C' +C +>?' - ' AD
'C 0' &,0 A' 7 C 7 >, U@C' Q<K ;L' , ('
ADE@DD@' XMSS' 7 !' $1!&' ' (' AD E@D' ;MK=
' B ' 0' $ ' ; ;LQ' 5 + + -> ' , AD 7 B @' E@@A'
? D@ EG +B@' ..@ + -A' - ' AD' AD' AD E@D ' $ J+'
X (' <M< 7 B@C@' +B@' +C + ' C@' -AA@ +@D' +B'
C @C 7 AD E@D' ,,@D' +B' +@C7 -C' ? DC E' , AD ' 4KK<
% ' ' 3 ' $ 0 $')%0 ?, . '50 LNL' 3 @-> ' AD'
E@D' 1 0 LN=' +' C@J- @ L' -A' ' AD E@D
E' $' %0 #A@' B-' ' E -CE ' ' ?> B' , I>-C' '
+-J@C' ,0 8 @@ / / (
;KO= ' !)' C? H SS 2 B +' ADE@D' -,D' 3 >CU7
>J-A' B-?' B-,@' B-. B@ D '? U@'A-' ?JC@ -A
/ ' &)' ' 0 9' E@D' - ' AD' A+-' B B' * ' % '
C-?' 'E, + >CA @' 'C>A' , -7 AG' - '! AD'
A' B B' + A. ' C@' ? D@
?c _<$ ' ' B ' $.>' 0 - ' 7 B@' D@'+C->.B '
A'+B@' AD E@D' C@' ,,@D'J .
! AD E, + ' I ')' 10 ' E0+) ' 10W
' ' -A+C A @' -C'D@J-, B A.'-C'.C AD A.' ., 7
+-A@7 --D' -C' B CD' ?@+ ,' EG' ?@ A ' - ' '*@+' - '
AD' ? J@,,@D' EG' -? JC@ @D' C'-C' !+@) ?' , -'
$! 10(@ J' $' 31!$ '* &, 0
;KQ4 T" '!0 $'.! ' ' 0;')P' A'@A.C A.'JC-D> @D'EG'+B@'
> @'- '+B@' AD E, + ' B ' !'+B@A'J @D' E@A@ +B'+B@' ADY
E, +7 AD'+B@' >++ A.'-E+ A@D7 $!' ' 5. 10' ' $!0
;LM ;'&@C? A@A+' E,@+ 7 E@ A.'+@S+' AD' ? -++-@ '@A.C @D'
EG' +B@' ! AD E, +' JC- @ ' ;KKK &, .2 && >' 0)'
' '0($' '?!$ ' $ * ' ' (+B@' B CJ@A A.'-' ,@ 'EG'
+B@' D C@ + -A'- ' >CC@A+'- ' AD' AD' +@C' C- '+B@'+@@+B
/ ' 'E, +' - ' ADG' -C' AD , D@A' AD
;K<K ' 9 " B ' "!) ' 'S ' 7 "-+' AD' + , A.'
AD E, + '- '+B@'D@ @C+
"@A @' ! AD E, +@D' $0('&', 32 0(-C@D' EG'
AD DC @A' AD' , -'K ? D E, +@ 2 -CU A A'
B-'>@' AD E, +
4<NK ' 0 0 :>,G' KO A' C , '+ ? @' A., AD' + @,'
' 'D@ @C+7 '+B@' AD E, +@D' .C A +@'E->,D@C'- '%E CA '
--D' 5-C@ +' ++@ +' SKKS' 0 ') ' ! . '8;KKP(K<
' ! AD' 0, +@C
! AD E, >D7 -)CC)' ADC X X ' ^&C-E
J@C @C -A'- '#9' T $ - 1! ' '8 @@' " A' .Q('
$0+(+@C')' +
% ':-BA -A '@SJ, A + -A' ' '" A.' 'D@ @ +' A'+B@'@G@ 7
EG' B B' ? , ' J C+ ,@ ' JJ@ C'+-' G'E@ -C@' +BZ ? 3'
" , E, AD7 D ? .B+@D7 J>CE, AD' , -)
O= ' E +A 7 C 7+ U)'QN< L= [b)B@'+B +' W AD'
E,GAD@' OPLK' ' 0(' * &(+-' E@' J-C@ 7 GAD@7 -C'
AD@' E,GAD@' ;P=< ' $ - 0& ' &!!"' "*2' '-A@'
+B +' ' ADE,GAD@' ->,D@'+ U@' A' @' -C' '?-G,)' OPQK'
) '8&+ -++ @(. &' 0 ,& 0 8! ! ('L=Q /C>?, A'
' , .0 0 ' 'LQ B ' '?G'+C>@'E@ .-++@A' 5 +B@C7
B-'E@ A.'? -C@'+B@A' AD E, AD@7B .B'.C >@ E, AD@7 UA- '
?@' A-+' $'OMOL' - . ' & > ' ' ' B @' E@@A'
! AD E, AD@' C-?' ?G' A AD@' OMOQ' 7 ' 5*0
0 0 8;MO<(PN " '? AD@7 A-' ? -C@' +B A' AD E, AD' E,
+B@'+B A.-' -D' OQ<N '9 . ' $11"' ' $. '&-@+'
7U '8;K=M(;N0 ! ' '+B@'D G7 B A' A' E, A"$ E2'=!@+'
->+' A'@ .@C' @ C B' -C' . ?@' OKL;' $ 0 0 0
42 B->'B +B@C+-' C+' '/ ,@++ A+@' AD' ADE "AD'&@D A+' OK=<
% ' -444 7 "@' 'E ,D7 AD' E, AD2.C@G B +@D'
"@A @' ! AD E, ADA@
OPPO' B. !! ADE, ADA@ +) ' ;_8\') !&&.' ;9' / @ '
KPO 0 0>+' +B@C@' ' ' -C+' - ' AD E, ADA@ '@AD@? ' A' +B@'
E@C ,'J C+G'*> +' A-
! >D -S' ^ ')' 10' a' 0-S' 10]
' ' E-S' +B' ' J@C -C +@D' +-J' -C' JC AU, A.'
AD' ' 'E,-++@C' >J-A' +B@' @+' AU' - ' '? A> CJ+'
1 0@S ' 0
OPQO' B. ' 8@D' " . A (7 ! ADE-S@7 -C' 'D> +@' E-S@7 +-'
JC@ D@' D> +'-A' C+ A.' OMOM =)) . ' &- '' ?2$ '
C &- " ' 7 " @' ->,D' JC U'? G' U>,,' ' >,' - 'B-,@' '
C @A@C' ' AD E-S' OMKO &' ' 0 <$0(- ' ;MLQ K' !+-,@A7
' !, @C' AUB-CA7 +B@' ! AD' E-S' +-' +',@ +' E@B AD' OQ=N
8 6 ' !!' 7 U ' ;QPO' 4 ' OQO7 ' E@I>@ +B' +-' / @ A@'
! +7 I V A' AU' &-+7 ' ! AD' O-S' AD' O@,,' OKPK
' ' . 0 < 0 ' '8;KQO(' ;KQ' T O3 $' ') (
B-' -,@ ?A,G'EC A.' >J' +B@' ! ADE-S' 8A-'E,-++ A. J J@C G@+'
A'> @(B@A' +B@' "-,G' $-? A' ? JC@' 'J,@ @D' +-' C +@
/ ' ' E-S'B-,D A.' AD' -C' C -> ' J>CJ- @ ' @ J
' AD ? ->,D7 E' ' E-S' - ' AD'-A' , - -?-Y
+ @' 8 @@' I>-+' ;K=<(-C'> @' B@A' +B@' B@@, ' , J2
' ' C@ @J+ ,@' -C' +B@' AD' > @D' +-' T'+@@' "+B@'
E ,,' -A' ' . - , ' ->C @
SM)' $' $ ' - &) "' A' LKO 0 "@' E@ C@+E' >,@ 7 '
J D C@ ' ! AD' O-S7 -C' / > +' O-S7 - @C@D7 # C ' A' > B'
U AD' - ' O-S@ ' +B' - @C 7 J D C@ 'U@@J'+B@ C' A@' / > +

- '/ ?-AD' ? D@' A+-' 'U AD' - ' ! AD' SK)'#' ' ..)'
$ ') %' $! 'L<! -', C.@,G'B '+B@' AD E-S' >J@C @D@D'
+B@' ' , A' +B ' ? A> +>C@' ^- ' -C (' $ &0 9
0' - ($ ' 31&5 (A',- -? -+ @@A. A@ 7 E-S@ 7 ,,@D'
+B' AD7 > > ,,G' J, @D' A@ C +B@' DC A.' B@@, 7 +B' '
J J@' +-' .> D@' +B@' +-' +B@' A>, ' SK)' 0
'- 0($' 3?&5('JC ? + @' -C+ - ' J>+-- 7 -A + A.'-'
' --D@A' E-S' ,,@D' +B' AD' OKQP' E >' 0 '6 , '
QPN' B@' AD E-S'^- ' ') AD E, +' JJ C +> a' O<NO ,& Q
- $''P' - 'K =' &C- @@D A.'+-'+B@' AD E-S' +'+B@' C +'+@@
L' B@' C> +' -'+B@' 7 @ +' AD A' -C@ +' - ( ) $'
, * $' 0 , -7 +B@'+C@@' + @,
OQPN ' ' B7 '?$ 1$ & ' ;;=' B@' ! AD E-S' C@@' 1 0
; ;P' B@ @' C@@ ' C@' ,,@D' ! AD E-S@ ' C-?' +B@' 6 @' +B +'
' ? D@ - '+B@ C' 5C> +'-' +B +' &>CJ- @ ' OQPQ ' A'
C !0 $' 0 ' =NP B ' ' >AD->E+@D,G'+B@' G->A.' ! ADY
E-S7 -C' C> +'- '+B@' ">C ' A /) ' ' $ '
OQK' 7 @' ? D@' ->C' C +' B ,+7 >AD@C' ', C.@' AD E-S +C@@
! AD -G ' K$ ' 10'; 1' + !' -Z .
' 'E-G' B-'B U' AD' -C' ,@' A' JC-Y
@CE ,' JBC' $ 'B&!!"' '$ '$' $' 1&"(@+
OKOL' T :- ' K 0) %($' 31&"(,,' C . ' AD' ,'
B JJ A@ '+B@' >C B A' B-' DC @' +B@' AD, D@A' A@DD @ '
+BC->.B'->C' +C@@+ 7 C@' @A @D' EG' +B@' J-A @ + A.' +>C+,@'
,- A.' @J >C@' - '+B@ @' +@ ' T '*-,,G' ' AD E-G'7
D@ .A +@ ' ' ?@CCG' @,,- ' B-' B ' + +@D' 'DC-J' OK=N
N 5 ' ! 0 &*'S 2 B@' : -,,G' ! ADE-G ' ' ? ,
C- D D@' AA 7 +B' ' .A7 C@JC@'@A+ A.' +BC@@' ! ADE-G'
A C@ A.'+B@ C*-,, +G7 ;K=O ' - U< .)' 8;KK<('
QN' 7 @' ,' ? -U@'+-.@+B@C' AD' E@' ' ?@CCG' ADE-G '
OK<O? 7 8 ..' ! 0 < &' ;'SS 7 @CG+B A.' -?E A@D'
+-'? U@'B ?' '*-,,G' ' ' AD E-G
N$ I' $' 3-$'M ' 10' $
N ' ' 0 $) ' $ 0 5@E' ;L< 0>+' G->' C@' ,@@JG] +B@'
AD)G' ,C@' A'G->C@G@
/-E ' -C?'- ' ' !' 10
?') ./**!0' $0 K$) ' '].'
' 1@' ') 'P Q(' /
O' # ' '! ADG' # !' $ </ =' 1 0
OP<N ' 0 0 7 ' ;OP' 3 G'B->AD' C@' EC@D'->+'
- '+B@' ! J C+ A' U AD@7 ! -' ,@ 'D7 -' AD@D7 S) ' 1 .'
&) %0 8;MPK(P;P' B@' -,->C' - '! A@' '>A @C+ A2
' -?@' C@' B+@7 -?@' E AD@D7 -?@' AD@D7 -?@' @D' C@'
;M) ' ,$ &'0 ' ;N @' ! >A +B +' JC> @ , B +Y
B@ D@D' @,,- ' 7 +B' C X,@D' ,- U' - ' AD@D' G@,,- ' SMKM
&' 0 < $0(- ' 0;LM = ' B +@' ! AD@D' .C G' 3 C@7 @ .B+'
G@ C' -,D
/ ' ! AD E, AD' 1
OMO< < B. 'C $, 0 & '$>,@ '+-' $DC 7 3 G'&-C A.7
&,G A.7 & -> ' $@ D@C' 7 +B' AD@D7 @ C B A.' -C' +B'
?J,@ G@' OQKQ < 'C*3& ',0 <!& 0($' (B- + '
.B D' ^- B_
%'K' %-?J- @D' - '-C' - @C@D' +B' AD' ADG'
A>+A 8 ' $- !0 C' 'OM 7 +B' + -A ', U@' +B@' AD@D'
!B-C@' A>A%"&% ' 'O&&' / C@ D >,'D- A' +'^+B@'
C @Ca' -?@ B@A'-'@C'+B@' AD@D' ,,@G' ,- + A.' JC@ D 7
'! ' % +' A' AD7 '-JJ- @D' +-'T ? A+@D ' 1 0
OQLO A' :7 +' 0 &' '0 ?& ' 0 % ' '8;KK<(M=
6A >CC@A+' ?-A@G -A + A.'- 'D- + 7 C B'B , J@AA @ ' AD'
AD@D' E-D @ ' OQP< A' ,& 0 0 A 0 OAD' !@C' 8;<NO)'
P 0 0 D' AD@D' B , J@AA @
.' ! JC AU,@D' +B' AD
OQMN 0 < .) '$ 0 0 4447 B@' AD@D' ,--C'+B +' .C + '
E@A@ +B' +B@' +C@ D ' OKMN) .'<!$,0 ;;'SS 'LQQ 5 A@'
,A@ ' C@ @?E, A.' +B' @ JC-D> @D' EG' +B@' J .@'-' ' C U@'
- @C' ' AD@D' ,U' OKM< .. 1 ' 'V' 2(@+ 'SSS '
8;!QK(;K;' ^"@a' ' >J + C ' A'+B@' AD@D' J C,->C' -'+B@'
5>,,' 3--A' J>E, B-> @
!$ # ' --D7 @+ ' %- @C@D' +B' ', G@C' - ' AD'
+-' C@JC@ @A+' +-A@
OKKL' $ * C' $ 0 # +'Q;M ;' DCG' ?-D@?' + C-A'
-CU7 T AD@D" +-'C@JC@ @A+' +-A@' OKK< %' 0 3Q '
? , ' 8@D' 'O(PM +' 'A-+' -A D@C@D' A'B-A@ +' +C@ +?@A+'
- ' ? +@C ,' +-' ? U@'J A+@D' AD' AD@D' --D' + U@'>J-A'
+ @,'+B@' JJ@ C A @' - ' +-A@
#' # ', AD' / C@ @D' +B' AD
A>+>' = ') 1 0 8;QO;(' ;NM' A' @,' AD@D' AD '
, ++,@' -C A-' ! A- ' ,
M ' D>,+@C +@D' +B' AD
;KKL' $!"' 2 '$0 - 'M Q' B@G'A@ @C' ->,D' .@+' C@@'
C-?'+B ' AD@D' --,' -' ,-A.' ' +B@G'J D' > B'E .' JC @ '
-C' +7 C @ +'C@ ,,-A. JC' D'E@++@C' +'+B@'JC @'-E+ A E,@'+B@'
+B@' ,@ A' --,' OK<P ' 0<3' $' 0 &) ', !' &' 0 E0 (
J)' ' -'C@ C A' C-?' B-C+G CD + U' AD' AD@D' >. C
Q ' $@D> @D' +-' AD , U@' .C A
; _h' " 0 &,0 50($' ') - (J- D@C@' .>?' C E
! +,D @M , -' = P' AD@,7 =' ADB@,,7 P
AD@,7 M AD' @ ' K$ ' 1! ' i' > .
' ' B' - '+B@' .@A> ' - - & " (B A.' '
,@AD@C7 G, ADC ,7 , @CG' E-DG' C@ @? E, A.' +B +'
- ' A' @@,
OLNQ .0 ,,0 &!! '8!>C+@@ ('L' A' 'D@' ? U@C@,,2' '
D '?@C, A.' @+' AD@, ' OLLK 1 0 LP A' ! ADB@,, '@?J+'
JC-' ? , 'D@' @A@C 7 5 0 O=OP M 1 0 MON +'D@' LO' = 7
C@ 'JC-'+C + +>'D@' ! AD@@,@X' ,';==N MN^@@ . 7') a'
^OPPK) . ' < ' 0 ' - 0 'OOMN / @' ??-DG+@'
J @7 +'A-' - > ?> 7 JC-' A.,, -'! AD ,X_' ;MQO' A'
C !0 $' 0 ' OOQM B- @' ,++,@' ,-A.' B@ 7 B B' ->C'
5 B@C?@A'D .'->+' - '+B@' ! AD ' + ' - +@C7 AD' +B@C@ AD'
A' A' -?@J, @ ' ! AD @,@ ' OQ;O' 3 '<$0&* "!0 '
, S7 OC ,' ! AD' @, ' E->+'< A B@' ,-A.' @CG' && '3 @ +'
XK)' < B ' ' PPN B@' T ! AD @@, " -C T >A @ "
4 - & " +' C@' @S+C@ ?@,G' -??-A' -A' ADG' B-C@' - '
>C-J@' AD' -C+B' ?@C
/ '6 2'N $!$' 0 B@' B' <&' & . "' ,) ' "0
OK<O A' ') '"' 0
"@A @' ! AD -@, A.7 B A.' -C' AD @@,
A %A')' $' ' ' !0'A ' S'8@D' O(O;O ! AD @@, A.' +'
?.DA .B+ ' -A@'-'+B@' ?> @?@A+' - ' ' , ' @
*1)% :' ' " '
*1)% :') ' %' ' M '
*1)% :!)4' ! $ ' ' ' $

! AD@,,)' -E ' -C?' - ' I) . ' AD 0

! A D @ ? A A'8 @AD) ?)) ? A(2 0 AD ' ^ '
+E@ A ?@ $) - $' i' "F D V ' 10 ' ? @ ? E@C
- ' ' C@, . -> ' @ +' D@ @,-J@D' EG' $ - E@C+' ! AD@? A'
8;Q;K ;QQ;(' C- ?' +B@ , +@ ' E ' $ B0 # ' -C
E@,-A. A.'+-' +B@ ! AD@? A A

:Q<b . 1 2 ' $ - * 6)' ' LO= A' +B@ +- A'
- ' &-C+ ? ->+B' +B@C@ ' ' - @+G' - ' ! AD@? A A ' SKS-
7 ' 9 . ' % ' $' 0 ' LOM B@' D J, A@ A
+B ' B>C B' ' -AD> +@D' JC@++G' ? > B' A' +B@ ?@ ? AA@C
' A' -+B@C ! AD@? A A' - @+ @ ' OKQM 0 - 0 0
% 4 4 ' OO= B@' ! AD@? A A' B@C@ G ' ;KKO L' , $B G '
' , " , !0 ! 0V ' & 2 !0 ' O;N< B@ @ +2 ,,@D' T , +@ '
A' ! -+, AD2 AD' T ! AD@? A A ' 3A' A., AD' AD' ? @C '
" @A @' K AD@? A A ?

;QMM $) ' C 0 ,! ' &' ' & ' 0) , ' ++,@VJV2
A+@C J@C @D' +B' $@ ,@ + -A ' -A' 3 @+B-D ?' AD' ! AD '
? A A ?' ^+C a' K ' : ' 8 ' - 0 " 0 "' =PL'
5>,,@C' - ' 9 @++@C A. 2'-JJ- @ ' ! AD@? A A ?

0 A D @ C' 8! I@ AD<*(2 10 ^ ' ' i

2 # A@' B-' -C - ? @+B A.' B B' AD ' -C JC AU,@ '
+B' AD ' -A@ B-' -,,@ + ' AD

L%K>' ' 9 . . ' * &!0 %0HHHH0 e' L' 8;MLN(' L<M B@' ' $ (00
-'% ,,@D2 -C'+B +' +' ' +C- @D' ->@C +B' AD 2' AD' - @C '
+B@G' B D' J>CJ- @,G' -C +B ' E> A@ @2 +@C ? @D' ' $ ('
! AD@C ' S ! ' 9 ' < 66)' ' $ 0 $ ' ' OMO 3 C'
D CD' " @ACG' '%->C+2 +B' ' ? C A@' AD' @ @A' @ ? @A2
' D@ J + B@D' C- ?' +B@' 0, A B@' A' +B@' C@D' >++@C' +-' -,,@ +'
AD ' B@' ? D B J ? A' AD'B ' J C+G' - ' AD@C ' ^@+ a' ;KK<
? !$, . 2 (' $ 0 ! @J+ ' LO; O ' >DD@A' B C,' - ' +B@' DC A. '
B@@, 2 ' -,,- @D' EG' +B@' JJ, + -A' - ' +B@' +@ ?' AD C '
^- ' ' ,- - ? -+ @a ' ;<)' $!"' ' & ' 0 O;' 5@E ' ;N M / C> ?'
8! A.,@(2 OK? ' >+- ? + ' @@D' AD@C +-' E@' ! -,D

/ ' ' -CU ? A' @ ? J,-G@D' +-' ADJ J@C' +B@' -,@ '
- ' E--+ ' AD' B-@

* *' ' 0 ') ! ' 8;KKP(' QM' 0--+' AD' ! B-@' 3 U A.' '
' @ A+@C ' ! AD@C

+ ' ! > D D C 2' $ (' 1 0 , - ' P' AAGC2' -AD@C '
^%- ? J C + @' - ' 3 $ ' & - 0 ' V +B' - @, '
B-C+@A A.' AD' @>JB-A ' ' +B@' JB-A-,-.G' ' -+C+@ '
B +' -E >C@ a' ! --A@C

$' $&/+' = ' $!' =L' 3 - B@' ? -C@' AD' C+AGC' B@' B@C>+B'
B-CA') +' ,,G+B' +-' BG ?' G+B' ,,' B-C' B@C+G ' 1 0 ;MM'
B@' ? G' B@' -ADGC' - ? @' +-' E@,@>#' 1 0 OMQ' J ' D G' G->C'
JC G@C ' B>,' E@' ADGC' B@CD' - ' -D' J@A' A-J@C' D G ' S) '
&' .' &%' $ - ' 8 CE (' O< " - ' G' ? . B+' +B@' ADGC' AD'
,G. E+@C' J@ ' 1 (' LQ' 3 -AG' - ' +I%?' +B +' -D@A,G' JGD'
' AD' AD@C' B + D' B@ ?' @, @' +B ? (A@' -+B@C' +-' . -' +B@' @G@'
+B +' ' E@ -C@' B@ ?' ;PL ' 0' C$* ' ' 0' C> (' ' LQL'
' , +,@' EC @ ' A -C ? + -A2' @ ? JC A+@D ' +-' ? U@' +B@G ?' +B@'
! AD@C' +-' >AD@C + AD@' +B@' ? @' 1 (' =NL' B +' > B@'
+B A. @' ' C@' JC- ? @D' >,D' +B@' AD@C' -$? @' +-' J @'

! A D @ C E - D @' @@' >AD@C' ! / ++2'

! A D @ C - U2' -E ' -C ?' - ') '

! > D @ C, > . ' 8 @) ADDC, A.(' , - ' Q' AD@C, A2'
Q2<2' AD, A. ' ^&- E,G' C@JC ' > 0T $' Y" E' (
' $' ')' 10 ' i' " ! ' ' J,->.B? A' 8 @@' K
, ' ;(2' , -' +B@' A ? @' - ' - ? @' E CD' 8 ' +B@' J,- @C(a'
' ? ,,' D A.' E CD2' $! ' $ ' $ $0

L% ' 8 ' &' , 2 $!!' LP' %--+ 2' ! AD@C, A. 2' !@ , CU@ '
;MOL' ' " ' A' 7 B +E->CA@' 2 %&) ' !$' ' [;=' B@' 5- ,@ '
A ' 0 CD ' - ' +B@' !@ ' C@ ' @ ,@2' ! A J@ 2 ' ! AD@C, A '
4MK=' ' . ' C 0 0 ' 0 8@D ' ;P(' M' ! AD, A. 2'
UA-+2' >C,@ 2' ;QKP' ' < ' 0 " ' & * ' ? ' ' ;<Q'
! AD@C, A. 2' $ $) ' , $! (' A2' ;KN=' . '
' &' $ &' (' @+ ' ' L= ' C +B@C' +B AU2' ! AD@C, A. 2'
' +B@' A ? @ +B- ' +B@' B@C ? @A' ,, ' +B@ ?' ! AD, A. '
;KPM' : ' , 0 5* ' ' SS ' OP< ' AD@C " A. 2' +B@' @ -AD'
? . C +-CG', AD E CD' @' B @' @@A2' ? @' +-' ->C' EC .' +-D G '
;KQL' 76 ' $" ' ' ' ' ;;; ' &C@, ' QQ' B@' J,- @C2' J@@J2' AD'
AD@C, A. 2' B +2' J J@' ,-A.' +B@' E CC@A' AD

K A D @ C 8 C(? A8 2' C ' " ' 1 0

! A D @ C ') 8 ? DD*X(' 5 - C ? ' =' >ADC@ 2'
8X >AD@C (2' P' ADC@ 2') DGC 2' >A 2' A '
D@CG 2' = K'. >AD@ ! 2' M ' AD@C ' +B' A. 2' -C ?'
=' X ADC@2' AD@+G2' P' AD@C2' ADC@G2' P Q'
S AD@C ' ^ ' # 5 ' $ ' 4 P 003 $ - 0 '
!$ +(' C ' - ' $' ! ' @@' ' ; ' B@' -CD' B '
A') . ' E@@A' ? - +' - ? ? -A,G' J,>C ,' A' -C ? 2' AD'
- ' A' -A +C> + -A a

2' F 1 " A' + ' C -> ' JJ, , -A! +'
8% ')' (D

! LO< LN') $ - ' , , 0' &!! ' 8! >C+@@ (' ;M' A ' O>A @ ' D '
! >ADC@ 2' L) ' ;L) ' 1 0 LP' ! >ADC@ ' JC-' -,-C@ ' ;LKK'
1 0' =K' A' -A , ' D@' X ADC@ ' ;L<N' 1 0 =< / ' ' D@'
X >AD@C 2' O ' 9 0 ;LL ' , , 0' $ - 1 !0' , & 0 8;QQ;(' OP' +'
D@' =K=' , E ' D @C C>?' -A @ +,-A> ? ' O, E ' D@' AD@CG' ^@+ a'
' b<N' & - ' &%') "' SS ' A' 7 CA@C' ' D0' ' ! ' 0 8 QW-('
%-,-C' +' +B' >ADC@ ' ' ,G+@, ' ;L<N' < 8 ' & ' %0' ' OOP'
' J +' ' - $ ' +JAD@ A' +B ,U@' C- @' ? -A. @ ' B@ ?' +B +' ! >ADC@ '
> @ ' , ' 4=LN' 2 &' &&. " +. 0 ;OJ@A' +) @' ! AD@CG 2' A' GA@ '
C@2' A' +' E@C +-' ;= ' &1! ' ? . 0' &&. "' 8;KKO(' LN ' - ' ? U'
, -A. @' D@' E@ 2' + U' -S' +>A. @ ' +B@A' + U ' J C ,G ' G -J@2' +G ? @'
ADC@G' ^@+ a' ;POM' C ! 0' C %0' 8 7 ' D@' 7 ' ;PL;(' OOE2' ' JC@ '
G-> ' +C@@ ' B@C- ' +B@' +- U' ' >ADC@ 2' +B@' ,) CU@' GA ? - ? 2'
+B@' C>G+' A>+ ?) . @ ' -C' ? @ ' -K 7 ' >C -) ' % , &! '
' SS ' ;ON O' B@C@' C@' L ' -C+ ' - ' ! AD@C 2' +B +' 2' E +) '
G@,- ' AD' C@D ' ;MOL' = ' ' 0' &) 2 0 8@D ' O(' -'
U@ ' . --D' +-C@' - ' > . @C2' A ? -A2' ' @ ' ! >AD@C ' AD'
C- @ +@C ' ;Q<;' ' . ' ? &!! > ' " ' ' H0' B0' $' 2'
ON ' 7 +B' +B@' DD + -A' - ' AD@C ' ^5 ' $' $!B00 "' +>BD'
? > B' E@++@C ' OKM=' < ' & $' 0' ' 0' !0' QKQ'
! AD@C 2' G@,,- ' ?), $' , $* $ $0

' / ' B@' AD , --D' +C@@ ' AD , --D' +C@@ '
;MSL' &>$%++ !' C ! - $ ' 8;MS=(' PNQ' A' G ? -C2' A' " AD'
) ' , > 2' C@' B-,@' --D ' - ' ! AD@C ' ;QKL' # B) ' +C '
V$" ' $ ' 0' ' ' 0 <=' B@' A+ , > ?' -C' ! AD@C ' . C- '
+-' +B@' X@' - ' ' A>+ +C@@

K ' $ 1((' ' $' 31 $% (' ,) *(' *$5 (' ' `'

A D @ C - - D b' @A @'

4P== > !!' & %' 0' 1& ' ' 8! - ? @C @+' " - (2' ' ,, ' +B +' +B@'
>AD@C' E@ +@C ' +' C- @C' ' " ,, ' E@ C@' ? G' E-DDG' +-' +B@'
B>C B@ ' ;MSQ' A' " @ +B' < &, >' & - *0 8;KM<(' =L=' 0 GD@'
+B@' >AD@C' E@ +@C , ' L ' =D ' ;=<;' !!' & %' $) $' '
8! - ? @C @+' " - (2' 3 G' >AD@C' >JJ ' & 2 $ ' &) 0
? . 0 8$-SE (' =O' +@ ? 2' AD@C' J-D@C' D ' E' *' ' * D ' ;;M=N
' $ 0' ? & 0 ;MNP' B@' ! >AD@C ' +C@@2' . C- @ B'
+-' E@' ' E . . @' ' +B@' 7 ,,A>+' +C@@2' SMS ' $!0' 0' C$* ('
0' ' 0 8;KMO(' LKN' ! AD@C ' --D ' SK ' : ' ' C $, 0
& %') & - ' 8;KO;(' PO' OC ADG B A.' + ' C@D' -,->C' C- ?'
E>CA+' > . C2 ! >AD@C ' --D2 \ ' ;K=M' C ' ' "' " , !0 ! >JJ,
' ;<N ;' / G@D' C@D' +B' +B@' C- ? + ' > D@C --D ' L %
$ 0' ? & 0(' $' 32 && 0

(< - 0 = @' 8 AD-) X(' , -' ! >AD@C ' 8! @@'
I -+ ' ;K<0 (

;KOQ' 0 ' " 0' &&. "' P;' -' DC@ ' +B@' ? @' ,0 -,D'
E@@ a2' ,,@D' ! AD@C ' SK)' ' ! . 2 0' ' ' $' ;OK' ! >AY
D@C ' &>+' ', G@C' - ' ? B@D' J-+ +-@ ' ^@+ a' ;K<O' ' , " , !0
&&. "' 8@D ' CC@++(' ' LQQ' ! AD@C ' B ' A ? @' ' . @A'
+-' ' JC@J C + -A' - ' ? A @D' E@@ ' -C' -+B@C' ? @ +

2 / ' -E ' -C ?' - ' ' ; '

+ ' 9 S $' 0 5 - C ? ' ' O AD@C'
? A2' - ' ' AD@CC ? AA2' L' -AD@C8@' ? A2' P ='
AD C ? > ' 8 0' P' -AD@ 2' =' -AD@X ? -A2' = P'
-AD@ 2' AD@ 2' AD 2' ->AD 2' P GA '
D ? A ' ^ ' 3 ' $' (' . @A +' - ')' 10 ' i'
: ' B@' $' -C ? ' - ? @' C- ?' ! AD A A'
D +C + 2' AD' +B@' Y ' @@ ? ' +-' C@JC@ @A+' +B@' # '
. @A + @' @AD A.' , +B->. B' ' 1 [' D-@ ' A-+'
JJ@ C' +-' B @' @S +@D' A' # ' % ' $' 3 - $' ' '
' 1) ' , -' " . ' ? @ @A. @C2' @A -G2'
? E D-C

' ;;OL' 0' 0' & ' 0 8 3 ! 2' >D(2' \ ' J @C' - ? ? +' J@ ' @-C,@!'
+,D C' ? @A' - ' A. @- ' +J' B ? ' % ONN' (' ;<LKL' " @'
^! ' : -BA' 0 J+ a' J ' A-BB+' %CE+ ' ' AD@CC ? AA' E -C@AA'
%C +' - ' U *) AA' %C +@ ' - ? @ ' NSOPN' < 0 =' 5 0' ;=;N'
E A' AD' B ' ? -D@C' +W W A' *A@D@A' @, ' D ' -AD@C@' ? A '
$' 4LNN ;=NN') & ' 0' OS=NK' 8 #++ (' J A' @A+' J@' U A. '
- + A+ A@2' AD C ? @A' & \0 @AD' ? @Aa' + ,, ' B ' ? -D@C' @, A@
g$A+/' ' ;LP<P' " @J ' A- ? @A' @AA@' -AD@ ? -A' AD'
@AD@A' +- CD' >AD@A2' ;L 2' 0' 0' !! 0' C 0' O ' =M< " @'
@ B@X' A' -J@C' W-AD@X ? -A' \ ' @++@X' -A' J@' D->>@ ' $' ;=NN PN'
! 5$' ' OL<N' - ' @C@' J@' AD ? @A' @++' -A' J C@' B-C
0' ' L L . ' KKMM B@A' @A+' @C@' J@C@' -A@'
->AD ? @A' + - ' - ' &C ? 2' +B@' JC @' UGA. 2' J>CJ- ' +-' B-,D '
, ' ;=QN' < &!0 =' < 2 0 LOM ' C@D@' A@' ! GAD ? A' G@' @AD' +-'
G-J@' @AG@->C

! - JK ' ++D@CE-D@ ' B+ ?$? 43 0 ' & 0 '
gS --' ' (' &!!0' - 0 K<' AD' J-' + @ @A' AD@C E-D@ '
@CD@A' AD' >DD@A' A' J@' E>C@B2' J +' J@' B@,@AD@' ' J D@C '
CD

3 / ? 3 ' ') '
*' (> < -+-<$N! ' 0 $ 0? ' ' '
' ' E@' ' ' ' A' * ' $0W'

(<034 <
$/OA' < ' *) (' 7 U ' 8 C- C+(' 4 ' OOL' ' @ @'
! . A-C' +B@C@' 2' a - @' J>CE, AD' @G@ ') A' C) G' D @CA@'
' Q 7 @' C- ?' ' 5,@ ' ;' D->E+' +B@' A-@GD@' @2' ,,' U U@'
' ' ;' C>EE@' B A' -A' %B@ . >,@

(. < ?4+ ' 0 ?' E' ' ' Q' *
' ' ? ,,' "G' -C' ? D. @2' @ J2' -A@' E@,-A. A.' +-'
+B@' . @A> ' ' - !) - 0
;Q= ' ' & C ' &" 0' ' ' =M' B@' ? > +- ' @C@' > @@D@D'
EG' A' A A +G' - ' W AD , @ ' ;K;M' : ' , ' 6 ' ' & - &!0 '
8;K;K(' ' ,, ' B@' E>CA A. ,G' 41) !& +' #C' AD ,G' # ' ? @C '
AD' +B@' 7 @ +' AD @ ' ;KMQ' ' ') ' $' 0' $) $! '
' $' P< E +' J ? @@' - ' . +,GA JJ@C b' +B@' AD ,G2' B- #'
E +@' JC) > @ ' ' J >A >,' AD' ? + EU' @,, A. ' ;K<M' +C ' ? $ '
5 F 1 . 0' N&&!0' OQM' B@' ! AD +G' -) E, +(' ' ? ,, ' ,G " U@'
3 D. @2' +B@' @ ? ,@ ' - ' B B2' C@' E, --D' > U@C 2'
E ' A' C+ J , ' ,G' > @D' A' A . , A. '
MK ' =' ' ! > ' $ 3 - 0E B&&+' OO< ! AD' 5 ,G '
3 D@' - ' +B@' 7 --,, ' . -++@A' - ' +B@' 5, AU' - ' ' E, D@' ! B@@J '
;K< ' 40# 7 / !' $ - * ' ' . 0' #8# B@' D @' @C@' C A. '
>C -> ,G2' AD' @' . -+' +-' -CU' +' -A @' +B' ' AD ,G' AD' '
E,>@' D>A

N/ $' 3%!" ' 1) ' ' " $
: ' " ' =) ' E %0' F' C L') $! $' OKO' N $'
- (' ADC2 ' %-,-A ,' A ? @ ' C@' T ! AD ,G' 0> B' " AD'
T >C ? @C ' '

(/ 3 ' ' - <
= T $' K ' ' 0 ' 7*
' ' -A+C > @' -C' *A@ >C A.' + ? @2' -A + A.'
- ' + - ' . , ' @ @, ' - ' JJC-S ? +@,G' -A ,' B J@2'
-AA@ +@D' +' +B@' J@S' EG' ' A CC- ' A@ U2' AD' -AY
+ A A.' - ' ? > B' AD' ' ,, ' + U@' ' . @A' + ? @' +-'
,- ' C- ?' +B@' C@ @J+ ,@' J, @D' >JJ@C ? - +' A+-'
+B +' J, @D' EJ,- ' ' A' B->C ., 2' ' ? A>+@ ., 2'
A' @. . E- ,@C2' -C' +B@' , U@ ' , -'% 0
;PPM' 7 " ' & 0 8;PMO(' M ' E O ' AD@' ., @2' -C' B->C@ '
., +2') ' ' & &!&) - 0 ;PQN' ' $ 0' C %' D' 2'
"' ->C@2' B , @' B->C@2' AD' +BC@@' B->C@' ! AD., @ ' ;MKQ' '
S) . ' +C ' ' & > ' $ 0 ' OMK' B@G' +>CA' ' B , ' ? A>+@'
! ADC%), 2 ' AD' +B@A' DC-J' +B@' - . ' 8 - ?' +B@' ! +@CA ' ;QQ<'
8 . . ' 0' O)' # + ' A' % ' " & . ' & ' 0 O>+' ? G' AD ., '
' A- ' E@. AA A.' +-' C>A' ,- 2' ' ' ->,D' A-+' +C@ J ' +--'
,-A.' -A' +B@' -,-A@, ' U ADA@ ' ;KO=' ' E' & ' $' '
SS *2' 3 G' J A' A4> +' E@' ' EC @ ' -A@2' E>+' ,@+' A-+' G->C' B AD'
B U@' +B@' AD ., ' ' ;<<O' - 0' < $00 LN' # + ' S' B@'
+ - ? A>+@' AD ., ' -A' +B@' + E,@' - ' +B@' " -> @' - ' %- ? ? -A '
' B ' +-' E@' +>CA@D2' AD' B , +' +B@' AD' ' C>AA A.' D- A' +B@'
D -A' E@,, ' C@' @+' A' ? -+ -A

1 E ' %' * ' ' 1 0
$ +%">' # ' 6)' ') - 0' % ' ' SS '
? J+G A.' +B@' AU I, 2' 8EG' ? + U@' -C' +B@' AD ., (' -A'
' J J@C' B B' G->' B @' *> +' C ++@A' ->+' C,G

(.E< K0 . - ' G ' AG' E CD' - ' +B@'
. C->J' C &,! ' ' & * 5(' AB E + A.' ADG' +C + ' - '
+B@' -,D' -C,D2' -A + A.' - ' + - ' . @A@C ' CE &,!

8@ J ' C 0' $ ' $) (' +B@' ! AD . C-> @' JC-J@C2' AD' C 0'
$!, $ $(' +B@' & A + ,@D' ! AD . C-> @(' AD' " $* 0
;QKL' ' < ' 0' " ' & * ' ? ' ' QP; ' ! AD' # -> @ '
$&' $ ' $ $0 B ' ' E . . @C' +B A' +B@' & C+C D. @ ' ;KM='
' !!0' 1 ' ' ;<Q' B@' A@ ' OC + B' ! AD C-> @ ' 8& , '
, ' ' BC@@ +-@D' ! AD C-> @] " $* *$ $ &5) +' ;KMQ'
' ') ' $' (' $) $! ' ' $' ;;<' B@' J A+@D' -C'
,@ @C' AD . C-> @' =C &,! %$, $) +0 ;K<P' : ' ' = P . . '
? $ ' % 0' ! ' 8;K<<(' O<' A' +B@' @ C,G' ? -CA A.' +B@' '
? I> ' AD. C-> @' - ? @' +-' +B@ C' ? C. A +-' DC AU

9 $ 7 ' 1 0 ' 1 ' 1$$:! %' E'
/ 1) ' 6' @ 1 % 1) %L' 1: ' S' # ' !

SMS-' 0 ' : - ! # ' ! 0 ' ;; ' " 2 ' ? @ A@' +-' + A +' %' A' AD '
B@ +2' +-' ? -CC- 2' AD'. >@' B ?' ? E E + -A ' ;MQQ' 7 ' ' '
+C ' - " G ' &) ' - 0 L=Q' 1 -> ' ? G' D + , ' +B@' ! J C +' -A'
' ! AD B@ +' ;Q=M' ' # ' &' % > ' $! > ' - * 0
A+C-D ' =O' 0 G' ' ! AD B@ +2' . C D> ,,G' A C@ @D2' +' G @,D '
C +' I >-C22' +B@A' ' B +@' -, + ,@' ! ,+' $ / >' = . . '
! - 0' - 0 8;KMO(' ' ;L' 0 G' @ J-C + A.' +B@' -,>+ -A2' +-'
DCGA@ ' EG' ' +C-A.' AD' B@ +

8 S$ Y) ; IV ' B ,, ' E AU' - ' AD '
@ J ' ' D>A@' -A' +B@' @ B-C@
%QO!' & *) ' <!& 0 8 " @ @, (' ' ==N ! $(' ,DBG , ') !'
-ADBG,, ' ' ; =) ' C & - * 0' C$ 0' =M= O' ! -AD' BG,,@2' -C' JG++@2'
& ,$0 +$$%+J ' - ' S ' & - - 0 KK' T J @' J @' E@+ S+'
+B@' @ ' AD' +B@' AD B ,, ' -C' / - A ' ;QN< ' $ " G '
&&. ' 3< !0 O %@, ' AD' 7 ,U D' - @C' +B@' ! AD B ,, ' +-'
+B@' ! @ 2' ;KLN' . . ' C ' , 0' < &!0 ' LNN' %B A ' - ' ADY
B ,, ' B @' , - ' > ? >, +@D' -A' +B@' B-C@ ' - ' +B@' D@,+ ' - ' +B@'
,@ ' K ' : 7 . ' 2 0 & ' SS 2' ,G2' -A' +B@'
,- A.' + D@2 B@' B ' , JJ@D' >J' +B@' B AA@,' E@+ @@A' +B@'
+ - , A@ ' - ' AD B ,, 2 ,) ') $" > ' $' 1 . 0%& ' ' , &! ' 0
A+C-D ' OM' B@' AD B ,, ' -C' T D>A@ ' B @' , ++,@' E@ >+G'
E@G-AD' +B@ C' ,DA@

E ' W AD B ,, ' C A@2' <) ' , $' $ ' ' AD' <) '
- 5 ,$') ' -C' * $ ' ' - ' -C+B' ? @C '
SK<=MV) 862!2(' 4 4 ' LNP ;' B@' . C@ +' AD B ,, ' C A@ '
' , --U A.' ' E . ' ' +B@' B-C @ ' @' C-D@

- ' ! AD 6 6 ' 0 - @ ? CG2' ' ? ,, ' B@ +B , U@'
@ @C. C@@A' BC>E2' & &!$' ,& 0
$ 0/' ' 9 ') ' ' , " , !0 $ 0
" @A @' !) AD) B ,,@C2' -A@' - ' ' , ' - ' J --C'
B +@ " , A. ' A' +B@' J A@ --D ' +B +' - @C' +B@'
ADG' B ,, ' - ' @-C. ' AD' ! ->+B' % C-, A
;KPM .)' !$ ' $ ' PNM B@' AD B+,,@C ' C@'
? ,,2' . >A+2' AD' D @C-> 2' AD' +B@ C' U A' ' *> +' +B@'
-,-C' - ' +B@' AD B ,, ' +B@G' , @' -A

' ! + 6 ,D ' 8 AD (' ^! J a' ' +@C ? @,-A '
;M=K' < 7 ' ' 0' KQ' S @,,@A+' C> + 2' @ J@ + ,,G' & A@ '
AD' ! AD ' ;<NO' A' 9 ' ! >JJ,

! AD @C2' -E ' -C ?' - ') 3 '

+ ' ! > D @ C - A 2' 0' $ V' ^ ') '
P O 8 (J $# 6K * &C-D++8J.' AD
$/> ') ' $' $ ' C!$ "' J' ,$ $' 8;MO<(' M;<' 7 B +'
D' +B +' C- A') A@ 2' B@A' B@' - ->CA@D' A' +B@' >C. A.'
>,U@ ' - ' +B@' AD @C-> ' @

! A D A @ ' 8 @ ? D A@ (' ^ ') ' $T' N' " V
;2' B@' I> , +G' -C' -AD + + ?' - ' E@ A.' ADG
, ' ;M=O' 1 $ & ' %0' M' B@' AD A@ @' AD' A -B@C@A @'
- ' +B@' A ? D @C -C ' -A @I>@A @' $> J' 9 ' - ' = '
< & 0 $ 0 ' ;LO' B@' AD A@ ' - ' +B@ C' ,U ' ;KQL'
' $' 1 . 0 ' 0' B ` ' B@' @G@ ' C ' A* @ +@D' AD'
+@CG2' +B' ' @@ 6 - . ' -C@A@ ' AD' AD A@

/ ' ' 0' $' 0 B@' I> , +G' - ' B A. ' AD" -C'
J,> U ' 8% ') ' Q' E (
;K<Q' - .) B ' $ $ ' * & ' L;' B@ C' J@C +@A+'
T AD A@ ' - ? J@,,@D' B ' D ? B + -A '

! D, . 8 @ AD . (2C) C) ' ^ !) N " ? - + a'
B@' + -A' - ' +B@' E ') ' A' C -> ' @A @
;MQN : ' ' - * & 0' > ' ;8' AD ' ? JC- @D'
EG ' 3 C A. 2' ? A. 2' ! AD A. 2 ' AD' > B' U@' B@,J) ' ;QOP'
0$ " \ ' $' 0' 0($ - ? ' (' ' @C ?' ++' CD@A A. 2' . Y
A G A.' +B@' J, A.' - ' ! AD' A' A' ,,@G ' ;K=O' < 8 . ' , 0'
' OOQQ' B@' JC- @ ' - ' AD A. 2' ' J@C -C ? @D' +B' C+@' AD'
+BC- A' -A' +B@' , + - + - ' J A+ B ,@' @+ ' XKM - '
E ' ,& - - 0 $ 0 SS ' + ' +B@' >E*@ +' # ' ? -C@' + ? J A. '
AD' A) . ' +B A' ' B D' @ @C' @@A' E@ -C@' OKKQ' $ ' : B '
0 =' 0 5+!) ? 85 B ' AD> +C ' + !) (' ' K S B@'
@ ' 1 -CU' D@ ,@C ' D - +@' +B@ C' ,0 J-A. @ ' a' ,@' EG'
->A+2' A' -CD@C' +-' C > ? @A+' @C+ A' C >D>,@A+' JC + @ '
> B' ') D A. ' >D', ? A. ' 1 0 K=N B@' AD A.' JC- @ '
-A + ' ' ? S A.' +B' +B@' J@ ? . @ ' A@' AD

!$ $ 10 AD' & - 10(' ' $' 31&5(' 3 $ ('
3 - $, ' ' A D A . ' J , +@ 2' ' , J' F 1 ' 10 +' 6 @D2'
+B' 6 D' AD' 7 +@C2' A' . C AD A. ' ? CE,@
;K<Q') ' ' %6 ! (' 4 4 4 ' LMQ O ' UA@ ' B ' A : ,(. E-S'
->,D' E@' @ ? J+G' E@ -C@' B@' B--U' +' - @C' E ' C + A. ' ' O<NP'
- 0' < $00 ;P' > . ' < L' A' @A. A@' +B , @' ++,- -A2'
EC@ U . @ C2' AD' AD A. . @ C' <- ? J @+@ ' ;KKO ?) ! ' ;K'
- ' MMK ;' 7 +@C A.' AD' AD A.' ? B A@ ' ;KPN' ' . UK'
166 . ') ' ' (' @+ ' ' ;OSN' B@' ^B-C X-A+ ,' C@ -, A. a'
, J2' -C' ' + ' ' ,,@D' +B@' AD ? . ' J, +@ ' ;KMM' " , ' % B) !'
' 8@D ' - ? , A -A(' ' ;OQ O' A' +B@' . C AD A. ' - ' 7 bU ' -'
? ,, ' -C' ? -D@C +@' W X@ AD A. J, +@ ' C@' > C '

! A D C ? A 2' C A+' - ' - # ' 1 ('
*' ! '> D B 2' $(' 1 (' $ 0 ^ ') ' 10 a I #'
! - ? @ B +' ADG2

;MM=' 3 . ' & 0 # +' QQ' 1 -> ' ? G' J, A+' - ? @'
A@ ? -A @ 2' ? ' C@ B' AD B' @ C+B ' ;MQP'] ' $' 8;MQM(' OO'
! - ? @' - ' +B@ ?' ^) ' %B ,U a' B @' ' ! AD B2' -+B@C ' ' E, U@C'
AD', . B+) >C @

! AD ? A2' C A+' - ' ; B ' 0

3 ' 8 @'AD -*(' 5-C ? ' = >ADG C@C2'
P' AD @C2' Q' AD - C8@2' AD@ - C@2' AD '
- @C2' Q2' < >D@ @C2' M ' AD @C ' ^ JJ ' ' 5 '
) ' ' ' = - ' (' A- ') ' (' @S>D + -A' C- ?'
--,2' JJ ' ') ' +-' @ + ' ' - ' ' ., (' a'
' , I> D' , A@ ? ++@C' ->AD' ,- + A.' - @C' +B@' .,
+@C' +C + -A ' ., . ,,

[illegible]

! AD* U2) U +@ - 9 - 9

1 9 1 ( ) 9 .

A ? @ JJ, @D B @ ,G ,- ,,G2 +- - ? @ - +B@ ? ,,@C, ? -, A@ E CD

[illegible]

! AD,@ - - D M

) 8 @ AD6A(, - P AD@, 2 A

D@,GA.@ ^ 1 i * a

$ C * 1 0

[illegible]

/ ? , , + B D E

N) .$!&,$!(K$ 1@ H

O - , L) " $.

[illegible]

! > D, ? . 2 3 $

$ A @J +B@ JJ, @D +- +B@ - ,Y

I>-+ ;K!K("@A @ *1)%,@++@C

[illegible]

! AD - ,8@2 D - ,- @@ 1

! AD - @C2 ! $

= / = /??$ ^ 10 >

) J@C >J-A B B , G@C - AD B E@@A

S@D EG ?@ A - A DB@ @2 > @D B @ ,G -C

? - - +B A. -C J -, B A. - - D -CU EG EC -A

[illegible]

O $ 10 0 & - 10 $ *$* - $. T ADY

J J@C + U2 B - @? U@C + - - , -C A B A. +B@

- ,@ - E - - + ADJ J@C +C@@ 2 A ? @ -C @ @C ,

+C - J , +C@@ 2 +B@ C - > .B@ , @ - B B C@ > @D

EG +B@ A + @ -C J - , B A. 8 @@ I> - + (

[illegible]

C@@] ,$1 !!$ 0HH 0 $ %& $(0 AD

! ADJ J@C2 0 ^ JC@ a $ 0 - ? - - +B

+B -C +B ADJ J@C , - +B &2 0

[illegible]

"@A @ K ADJ J@C@C ! ADJ J@C A. 1!0 10

[illegible]

(<L L-0 8)@ADJ J S(2 ^ 10

1

- ? ? -A A ? @ -C AG, ? - , A@ E CD B B

A - + J , - @C -C A J@ J & -C

, "*&!) ,) (+B@ % - ? ? -A ! ADJ J@C2 AD

(- $,) $ $(- ? ? -A ?@C A ! ADJ J@C

[illegible]

/ U AD - , ? JC@G 8 @@ I> - + (2

[illegible]

! > D J + ^) ; Q a

J + C - ? B B AD @S +@D

[illegible]

/ &) 0 8!@@ I> - + (

[illegible]

! ADC 2 3

? (E< K 10 b /

E$ K $ $ $ = &+ $ &D] I

F

[illegible]

! SDC U@2 - E -C? -

+ ! > DC@ 1 0 $ 0 !B - C+@A@D -C? - Q 0

10(J@ @ - +C J@D ,U

[illegible]

! ADC@G2 DC @U2 ! $ $ C

! ADCD.@ ^ 10 i / ; I V

! $ "@A @! ADCD.@D $0

[illegible]

! AD + - A@ 8 @?D +)>A(2 ^ 10

10] C - U - ? J - @D - -A - , D +@D

AD ! AD 6 $ & + @C @ -

OC + B C - U ,G A. C@ J@ + @,G E@, - AD E - @

+B@ CE - A @C ->

[illegible]

+! AD ,,2 10 ^ B@ A ?@ - +B@

+- A - $ 2 , 9@A+2a 6 @D $ 10 + - D@Y

.A +@ - ? @ U AD - -CD > @D A +B@ P M+B

[illegible]

! AD A 8 @ AD +*(2 ; K ^! D + - E@ A ?@D

+@C : - , A 3 - A+ . > 2 = +B C, - $ 2 , 8 ; Q ; K

;Q<O(2 B- -A @ J@A+ + @A+G ->C B->C + +B@

[illegible]

J, @D E@+ @@A C@I>@A+,G +B J@ G A. -CD

JC@ S@D2 $ - ((2$, $ 2 , 0

[illegible]

K $ 10(($ 2 , 31$ ( )** ($"(8 @A @O(

$ 2 , $ - 3(AD B E@ ?8 @@

I> - + (AD B E - CD2 E - CD CC @D EG

AD B ? A AD B E - +2 +B@ E - + B B

C - A + - D -A - +B@ E > ? J A. C @ + +

#S -CD AD % ? EC D. @2 - >JG A. +B@, + J - + -A

A B . B@C D -A AD +B@ C + J - + - A A , - @C

D -A AD B E - X2 @2 E - S -C @ A

B B + - CCG AD B@ AD B ? A f

@A @ O

[illegible]

1) 1 5./ K$ M 5 $;L

0 YG $

[illegible]

/ $ 0 - J>+ A -C A AD B B @ ,G

6 0(+- A @C+ 8 - ? @+ B A. (E@+ @@A + - +B@C +B A.

- D@,G D @C@A+ B C +@C , - & $ 2 ,

H C C@, G2 + - @A , - @ , U@ AD B

[illegible]

?0 0 - E@ @? J, - G@D AD B ? A

[illegible]

"@A @ ! D E ? . 1!0 10

[illegible]

i ! AD ,@B@C 1 0 Y" Q V A + @ - +B@

! AD B , AD A +B@ & # @ A 8A ?@D EG

% - - U A ;QQK +@C +B@ - >C+B C, - ! AD B(

! AD B , AD@C

[illegible]

! > D - C+ 8 @ AD O +(^) / I A N 9 !
J, + a A ?@ . @A +- +B@ .@A> '$ $ AD
-+B@C J, A+ . C- A . A ADG ,- , + @
;P<Q <) 1$! S + L=Q 0> U@ B-CA@ ,,@D
, - EG @C+ A@ E + CD@ A ?@ 2 $ '$ $ -C ! AD2
-C+ ;Q<) 7 " + 8 @ D L(=O; = ;KPM
< $ ' 0 ?&E 8 KMN(PQ ! ' 0 0A 5 ' ! AD -C+ R&
C $ 0 ?$ 0 ;N;P ; !J>CC@G AD -C+2 '!$ $0 R&&(
$ ' O; : A L= L2 B @ A-+ G@+ +C @D +B@ @ ! AD -C+
A B D@

(<+ 8 @?D (2 0 , - P ! AD@2 M ! AD @
B-C+@A@D -C? - +B@ A ?@ ,@S AD@C2 B @ ,G
> @D A ! -+, AD "@A @ A @D A UA ?@ -C
! -+ B? A % 1 !

4=Q ,,0 0 $ 0 ,$ T ;Q +@? C ! ADG
7 CDC- J C2 *@,A@ - E, 1 0 K) +@?2 +- ! AD@ O-GD
* , 4 ;PNK B C& -) " @ B O, AD " CG2
@+ ! ADG C ,, ! A@ B B B->C - ? -C+ ,, B ,, ;PKP
,0 , "$ 0 " 8;K;=(" L<N ! AD @ D CU ;QKP
< 0)! 0 &') $)3' B% -C $' " .@A@C ,
A U A ?@ -C ! -+ B? A R&&& $ * > $ 0 !@J+ =<L
J C+G - - , AD ! AD @ B- 6@D +B@ -+B@C @ +

! ADG 8 0 CD (2 5-C? AD 2= >D 2
] b -ADG8@2 ? ADG K +$ $' M
AD 1 % / >2 0$' 3 " $' 8
$' 0(# * ') 3 8! 2 I($' +H
[0 # +B@ A +>C@ - AD @D?J- @D - -C -AY
+ A A . , C.@ JC-J-C+ -A - AD
---! C , 0, J+ / @- GC+2 ,b+ -A AD)>?
, AD>? ;LK 9 .6 , SS B@ @D@A . CDGA.
+- . D@C@ - DC@DGA.@ ,@ + +B@ B>,D@A ,,@ *A+#
ADG J, , S) C$!!$ 0 &') 1(A ==Q -AD ?G +
+B ,@G2 -C -ADG ,@G2 , -AD@ S KM 2 - =K
: C 0 SS , * 2 7 B@C@ +B@ D@@J@ D D B- B ADG
,-C@ ;MML < &) !OK B@ 3 -A ?> + -CU A-
!,-A@ +B ! ADG @,A@ ;M<Q IS) C> 0 < & 0
OKP 7 +B ADG O ,, + ! ,-C)+C ?' +B@ O- + 4QN
0 PP A -+B@C J C+ ' + ^+B@ - @ Aa ,@ @ D@
ADG J, A ;QKQ $ 0 &,0 O;M $>EE@D A
+B EC UE + -C ADG +-A@ SK)!+$ " 3 D0
- 0 8;K;=(ONN B@ +@C? ADG B->,D A@ @C E@ JJ,@D
+- AG - , +B + DM@W A-+ -A+ A + ,@ + @ @A @ .B+B -
9, SKMK *0 E0 0 &-- & , 0 8;KM<(;MW
>E - ,2 +B@ D@@J@C +B@ AD @C SK)K 8 7 C& &
S 2 B@ J + - ADG C- U B B +>+ \ !J +@ >,,G A-C+BV CD
E # -C -A A,A. AD + @D -C ?@ >C A.
+ ?@ 8% % ' 2 *&
O 0O L (5 2 LM I C@ +B@ , @ +B + $-
E@. A + - C>+?@ 5 A B +B@ JC- @) @V " ADG B->C@
SM) 8) &-(V !! 2 0 V 0 7 U ;KQ= ;LK
-D2 +B + + @C@ J- E,@ B + + ?@ ->,D +>CA@ J ,>
+ ADG , @ +- C@D@@?@ +B@ @ B->C@ 4K<L 5
1 C& - L; B@ ADG , B@A @ E@ C] A+)>@
C@?@?EC A @C
O % 0 $@ @?E,A. AD , U A. +B@ I> ,+G -
-B@ -A -C + E ,+G
O 0K (C$) *&!0 : E 1-> ? G @ ,G
J@C @>@ B + > %@ @ +B@G C@ , U@ +- B >@2 +B + D@6,@
+B - ,@ D@A AD AD @ EC A@ '] C&) 0
& %) 0 7U 8 C- C+(OM B@ B-C+ BC@DD@C ->+ -
ADG @A+@A @ +B->+ ,?@2 $ O%+O * 0 8;MP=(
;MO + @C@ A- @C @ +- G->2 +- @AD G->? G A-+@ >J-A
+B@ O--U2 E@ >@ +B@G C@ ADG2 AD A -B@C@A+ C)).@
R (& J$1 0 &0 0< 7B- E> ,D +B@ A+ I> +@ -
+B@ C % A-A +, " - @C J-A > B ADG ->AD + -A
;MKQ) CO ;NP O>+ A) CU B- ADG GJ>C
" A JC@+@A @2 +SG - 8 (4%$. > 8;QOO(;NQ
" @ D +B@G ^C +B@ F> U@C a @C@ E> ,+ >J-A + DG
5->AD + -A2 AD -, ,D +B@? !B U@C 2 S) O K
7 $-0 , - !$ B& #B2 B +
J +>C@ B @ C @D >J-A 3G ADG B@ R& R B
!O(= - + +B + ?@A ? .B+ ,@ C,G @@ -A
B- ADG ->AD + -A +B@ .C AD@>C - !J A E> ,+)
0 " A. B C J G@,,- B C D -,->C - B C2
G@,,- B C@D
$/AJ - U) 10 ') D G -U@2 ,GU@ A GC@A
.C@G ;PQ <$-- 0) &' 2 " +B G->C EC- A@ -
+B C ,@2 -C G->C ADG - @ B@C J. ' / & ,
C! -$ 8;M;=(K=; B@ - - ? A C AD @2 ? ,,2
E>+ A-+ - ,++,@ +B@G G- B@ & .?@@ ;QL; 8 6
$ C 0 0 ;QPP ;ML 7 BG2 J, .>@ -AY
->AD B@C ADG ,- U 4KLL = C(- *! " @
, -C D G->A. ? A +B ADG B U 4K=! X
"1 ! ; S 2 B@,) @ 5 +Xb 7 C@A@ @C@ ADG .U+
#$; 2 $
S!S. 7 $/ E $ =NN # U2 ADG C@D S+@S
8 $ &H H50 3 G ?-+B@C) ! ADG C@D + ;KKW
:) $, 0 OMM $@D mB Ca2 AD -C+ - ADG
, S@A B>@ ;K<= $ O 1.0? < 0? 0
MQ 7 A. - @C+ @D.@D +B ADG E> 1 0 QK B@22
J,>? .@ -E >C@D EG ADG C> -> @D. @ +-+B@ @ +B@C
M %-?E 2 J GA+B@+ 2 ! $' "31& ! '
^,&!&) $ 3*$! (
S JM $ 0 (A MM 5C-? +B@ O AU - 7 G@2
AD) ADG E-+ -? D !@>@CA@ R R 3 0 --0
0 Z9 B@ G@D -C ADG -,->C@D C@ +B@ E@ + S!G
8 0 "&) - 0 8;)O(OQ0 " @C B C >+ -
+- - @C B@C -C@B@ D +B + C + ,, A. ADG -,->C@D
C A.@2 S) & 0 C$ 2 !B@ 2) ,=2
ADG B >C@D 4MKQ 8 $ " E* &$!.P(;QLN
QQ 1->C ADG V +@D -?J A)

E !J@ ,%E?E2 ADG E, .B+) ! $ ((
U AD - -JB+B ,? A B B @G@ @@, , > ,
- AD 83 -CC (ADG 1J&+2 ? -+B 8 @@
!>-+(ADG , @C- Uf !) . E AD)
?--U A. E CD 0 0" +B@ EC- A B C> B2
"))%) ADG J +@2 ADG B C@D J@C -A
ADG C G $ $, ,)!$,) (-$,)!$ $(
K %O # - C > NO B@ &C A @
> @C A@ C-?' +B@ ADG E, .B+2 ;KL< : 5 1
? 0 0 ;=K= - - ! $,&!& $ $W ! ADG
% CJ@+ ;QSN - B . A 3 & OC- A) * 0 , 0

8;KOM(Q<L -C@ +C + B ?' +- +B@ +B J C+ - +B@ C@A+2
+- @AD B ?'+- , + +B@ C@ + - E + J@AD C-? AD,@
+C AD ADG , @C- U SK M ! $ (,2
; B D C +B@C +B + +B@ C . E C@ A @+B A. E>+ AD,@ +C @
AD ADG , C- U $;QNN O 0 $ 0 2($ " 3
C$ (-A@ C@D B C D ;QKP < 0)! 0 &) 0
;KQN<X $ 0 C ? ($ 0 2 $,)!$ 0
! ADG $ G ;KKN = ? 0 C L=M $ $ $,)3
!$ $0 ! ADG C G 1 0 L=K $ $,)!$ 00 ! ADG C G
! > D C ,,=(- < M/ $0 0? $0 i G
!-?@ B + ADG
$ 0 &,0 4 ;LN ,.B+ ADG B - , SKM
=)) I5 G) 2 +> + - ADG B B C 2
-CA ?@A+@D B , - -C@B@ D c %% < $, . & <&! '
2 " @ B D C B C2 ADG B E@ CD
4 (<+I 8 @AD U (, - AD S
8/ @+ (^ $' "[% 2 C $ 1 (
C@D J . ? @A+2 ?@A+ -A@D EG A @A+ C +@C
^S) $ 0 5 3 C0 05 50 SS S 8;=<P(KQK%@C>
G + @>@A +- +GD AD ?@D GD G+B $>EC + +B@AA@ +
+-?@+B A +- ! AD S SM- ' ,) C! " 0 PLL % , A@
+B A! AD C Ba AD $>DD,@ +-.@+B@C2 AD G-> B ,, B >@
+B@ -,-C ,,@D ! ADGS c N " , !0($ 5(
U AD - 3 A >?2 ? D@ - %@C> -C C +B@C - C@ 3 + -+2
, A@D AD C>E @D2 ,,@D , - $, &) $ $ $,0
;K<; # 9 . ' & ;NM #A ,, - C@ B J, +@C2
+ A@D +B EC .B+ ADGS
! A@ 8) A(2 $0 ^ D $) B@ ,+BG 5
$ (!J 2 + $ &(&. $&0
B@ ,? - + @A+ C@ C@ +C + -A A A. +- +B@ @A @ ?@A+Y
,,G ->AD D>@ +- +B@ > @ A A+ +B@ +B $ (
B B 8, U@ +B@ 0 2 (+ ->C @(, G ,@ @CC@D +#C
?@A+ , -AD+ -A (
+B@ E-DG2 + -C. A -C >A + -A ,@ ,+BG2
->AD2 A-+ D @ @D2 $ 0
Y$%O& = BL $1 !$ J EG G?- A OP; 5-C A
@C +G +B@ @ ?@ D@A-+@ 3-CE + -+B@ ! A@2 AD #E +
+-+B .C-+@ a
! $ ((->AD B@ ,+BG O GA CD C-+@
J-@?' -A JC@ @C A. +B@ E-DG A A@ AD ->AD + +@
4QQQ = & 0 11 $;LP &C A.,@2 +- JC- >C@
A@ @ C@6-A2 &>C.@ +B@ * - $, C@J,@+ -A SK M
= . $ $" OL; &@ + ,@A @ E D E@ -?@
J C+ - ->C >+>C@ + E@ ?@ ->C J C+ +- C @ B .B +B@
E CC @C E@+ @@A -A+ . -A AD 8B@ A@ 4K=
& S 2 " @ +-> B@ +B@ ,AD2 AD AD +B@ U A A@
AD ->AD ;KQ; 8 7 % SSS 2 3 AD2 ->AD
A E-DG A@2 9@@J +B->.B+ J C+ C-?
/ !->AD A ? AD A -A@ @A @ A-+ ? D
,-) - +B@ ? AD -+ D @ @D
4Q4 0 U 2 $ (->AD2 B-,@2 A B !@A @)K-- S-
)7 C =HZ N+ 0 B@ + +G - A@ ? AD A
B@ ,+B >, E-D @ SK= 0 & 8;K)N(LO ;
@CG J + @A+ C@@,G +C> +@D +B +B@ +--, - B +C D@
B@ @C@ A@ ? A SK) $!,&' =M
- , ? D? A ? D 7 ,, E C-,G B@,J +-? U@ B ? A@
. A
E % - - - & " @ = E
SMXK%N9K) E (H0 SMM %-J C @A@C A) @ J C+ + -A
+ >, @ AD A? CC @D2 AD - AD @ ?@?-C@ - , AD A
5@@ ?J,@2 + . --D \ C?@ -C@>@C
0 !@A E,@2 C + -A , C@@ C-? D@,> @ JC@Y
*>D @ -C A @
c]< X & (== DC>AU@A JBG A2
A A-? ,G C-? B B @ @CG A@ ? A ?> + +>CA +B
@@, A. - , U@ 4KP< <;Q #A@ - ->C
A-3 @ +2 ->C ?E + ,-C->\ ! @W+ AD ?- + ?@D @A+ S)
8 @@ Q 1 Oa %&R - -O< >. B
A@ AD > D +>DG- + @, @ J-@+
Q (\C. 1 0 ^ D B @ , + B G
@@ ; %&3 0 ->+@2 +- B@ ,
,%< M B C$ 0 (<QL 5-C2 @ +B ,@C-?2 EG
+A A. E@ A@D ^!U@ + JC A+ $ (& @>D- :@C-?@
8 3 .A@ S44 M M(B $ $ H +B@ @ - ? B2 AD EG
JC G@C@ +B@ @ - +B@ ->,@ , =NN " - $ 6)
=N A ! 0C , % 0 & & 0 8;KMQ(K= " @ , 2
+B B ? %G A@ ?G -?@2 S= -) & 0 M<L
8 B-CA+-A 3-(!>C.@-A@ +@D@ = &),) >@Da
+B G ?@2 -+B@,G + - G@
! A@D,)?2 DC +2 73= ?? 2 :
2 ,=@.@ 4/ $ (0?> $0 H (;> 4(
A@ ? AA@C
c M< $ 0 0 2 "@) ?AD ,+,, A@,G
J E,@ - J +> A. E , A @D JC-E E , + @ SK)
& - #, A@C -C B J A@,G JC->D
(- -=,=@@ -=/ $ (0? $(a
!! a B@ -AD+ -A - E@ A. A@2 A +G
$>A> - , 2 $ (->ADA@ - " @ ,+B
! A @+G 2 73= ?70 1 7? 1
0 A ,@2 ! A - A =-- 3 (3
(K 8 *@.(,0 AD & 0 ^# #E >C@
-C A 1 0 O a 6 @D A +B@ @ @C + @
JBC @=?" + " $: - B-C+@A@D+- $ 0
c < C & ,0 <!& 0 $ (AD@@D
4Q) 9 . C& - KQ O>+ EG ?G A. A- . A @
?@@+2 7 @ + B @ +C ?J C .B+ ,@ @C c &]
) (@+ QN 3 A.C D 3 9@@2 G@ @ -A @ +-
+B@ A B+ B-J
! A, 8C2 C % " +-A@ EC@ + -CU
(K(0@-)(0(* 7? C 1(
! A. C@@8 @ I. CC(, - >. C @2 A)@8@
^ !J $!$ 8,+ E,@@D A. (2 T DC AU -?J- @D
-, @?-A 7 +@C AD C@D A@ = & - & , ((
;KMK(a -,D DC AU -?J- @D - A@ D ,>+@D
AD J @D2 > @D B @ ,G A +C-J , ->A+C @
4Q) < 0 $ 0 !@J+ PP; 3C -CD-A2 &>A B @ ,,@C A
+B@ !+C AD2E D D@) A@ &>A B ? D@ - +C-A 3 Y
D@ C A@ AD ,,@D ! A.C@ ;QK < 0) $
& ($ $ (C U J>A B -C?@C,G - ,,@D A
E .A - 4Q<! 0 $ 8 D O(2 $ (C U
J> 9B 4Q<<)) $- 2 O<L !B@CE@+2 A. C@@2

AD A@ AD +@C 1 (& 0 7 +@C2 3 D@ C A@2 A>+Y
?@.2 AD >. C SK-S 0 &!E0 $ 0
LNO B@ -C+BG ? A .@C+B@A C@+ C@D+-B A. C@ O &J
= %0 &! SS " 2 7 B B A E,@D +B@ -C+>A +@
- A@C +- +@ B , + +>?E,@C - J-C+ A@ A. C@ SKM
$ & - 0 , & 0 8@D M(LO< ! A. C@ 3 S +BC@@ E-++,@
- C@D A@ +B +BC@ B , J A+ - +@C ^@+ a 4;K<4 9+
$ >$! , 2 %-?@2 AD ,, B- G->B- +-
EC@ A. C@@
$ 1(;KQO B) % $ = B@ A.,-
AD A .@A@C ,,G E@,@ @D +- E@ ,>S>C -> D,@C2 B- @
, @ J@A+ A B--9 BV ?-U A.2 A. C@@ DC AU A.
"@A @ ! A. C@@ 0 $ 0(+- ? U@ 8 A@(A+ -
A. C@@
SKM- $ - 8. 0 &,$ 0($ $ (C@D> @D A
+C@A.+B AD @@+@A@D
! A. D@ E-@S 8 AD EE(^5C , + T E>,Y
,- U E,--D = $ H && 0(& -,D(
%B A@ @ J-C @, A 8!+ A (,-$ 10
;KKM -)- ;L 3 G MPN L " , C@+ >. +B E-DG
- $ 1&)%0 ;K<Q $!" 2 O< :>,G O Q ,@AD@C
@- J, B@D A. D@ E- > C U,@
*1)4% 1) 3
*1)4 *1)4 13 - 9
! A.@ +@C2 6 / 6 %
*1)4 E) -E -C? - $(
(K 07 < 8 A C (^5 $ 3% & (, +
T -,D E,--D = $ H && 0(& -,D(
A +B@ [Q,B +B@ @SJC@ -A A 5C A @ - +@A C ++@A
@+C-A@->,G % & . (+ -A+ A@D) A @ A
+@ D - +B@ B-?-JB-A-> T E,--D a
%--,A@ 2 AD @C@A @2 E @A @ - @S +@?@A+ -C
. + + -A
;QPN 6 0 8;Q<O(OQ / -A -> 2 +B +B@
?@ $ % & -A + A+,G J@C +@D2 + ,, B@ + , + JC@Y
,@D ;Q<N#) 8 0(0 AD@S P ! A. Y
C- D - B J, G@C $ AJ 6)$ * + @SS 2 7 +B
.C@ + A. C- D2 B@ + ?-U A. -E - SKKK 9
< 2 ? !& && 2 % ?@C- A @J+@D +B@
+> + -A +B B > > , $ % & 0
1)4!1202. !120@ !10 .X J ;
*1)4! 6 / 6 % &
0 A .,@2 -E -C? - 7.
+ (> K4-0 1 (5-C? P G / ..@C@2 P2 Q
A.>,@C2 Q2 < A .,@C M A . @ C2 A.
@@C2 M Q2 < A . ,@C2 M2 K A .,@C ^ 2 #5
, ! ($ ($!. 8?-D 5 $! + I (
!$ 3 (!$ 3 + , . $! (, $
)! - -,+ CG 8 @@ $D+((> @D >E +
A +@ 8 >,. & 2 ,Sa+ S ;= +@C C % & A
+B@ 4 4 (-C E- C @J C +@D C-? +B@ B@CD
B@ -C? " ! E P &% A-C? ,JB-A@+ D@ @,-JY
?@A+ C-? @ C,G ! (#5 @ ! H +B@ -C?
) .T3 D>@ +- ? , + -A+- +B@ +A
>,, .C- A ,D E- C 8 @@ IA-+ 2(
$ *& %& (L;O= O-G@ A U@ >E CE ,) >CD@A@
>,,@ A@.E@2 + E C@ GA) *@C@ +B + + - HL E@\ +@ CGAAG
S L B7. , :+ *@A =Q GU@ +- +B@ + @A.+BG
A..@C2 -C +B@ E-C@ ;P=; ,, 0 0 $ 0 ,& 0
=QO A@ J ,@ - +G?? @C +B A +B@ J CU - 5 ,U, AD + -A@
A. @,@C A/>/ B S ;NN B@ B@S + G@C@ E@
B ,, E@ % ,,@D ! A., @S - +BC@@ G@C@ -,D + - =
- - / 2 ! & 8;M;P(=L +@C +B@ 3?+B G@@C@2
S d E@ -C@2 E@@) J C+@+B C-?' +B@ !->AD@C2 ? +B)G->
B ,, B B ?2 ! A.+@C2 -CC +B@C2 ! A., @C S , 7
-&) " ;LO ; O- C,- P G@ C a ! A. >,@C2 -C ? -C@
JC-J@C,G) ! A.,@C SG # #;$ G $-0 0 0 0 !
?&$ (? ,,D ! A. 6+ -C ! A.,@C
(K)(<7 8 *)))D+ (^ B@ AI+?@ -
B C +@C A @ ! .@C < !?$ (JBG A B- @
-,@ C@?@D @ @C@ E,@@D A. AD +B@ DC AU A. -
B-+ +@C >. .@ +@D EG !J - $ & E,@@D@C
?@D ; JC ++ -A@C C@ @?E,A. / C ! A.C D-
D- +-C . @A +- E,@@D A.2 -C A .A-C A+ JC@Y
+@AD@C+- ?@D , UA- ,@D.@
SK - W%# 0 8;)=(NN #A@ D,G - A 5C A @
AD + ,G2 B@C@ +B@ ! A.C D- $C@- > B , - C)>+ + -A2
+B + + 7@C@ B ?@ +@A+-E@U ,,@D EG +B@? O)L
5) ,0 ML #>+ +B@C JBG A @C@ +--
- +@A ! .C D-
! A.C D-C 8 ..C DJ (^!J f T E,@@D@C a
f ! $ /#
$ J 9 ,) 0 8;KPO(! A !J A2 @ @CG
,, .@ B @ @A A- + $ & (B- @ JA,G + -
>C.@CG ;WE,--D ,@++ A. AD B@ C C@,G D,@
! ? C ,8! @..C) (A P A.CbG,o2 C G,,8@2
@G " + .C ,2 Q < A.C@ ,2 < A.C@ 6 #5
$ $$6 2 , $0 :
B@) @>D-@+G A- -. , -C? & $ 8 -A > A. +B@
-0 +B 7 .O(JJ@ C A 5 - +B@ ;P+B +B@
-D@ C & *!(' A-+B@C J>C -> @+G?-,--G
-C?@C,G -??-A JJ@ C A +B@ -,,- A. !>#+
OMKP Q Q(- 0? 0 ;L #+B@C +B AU +B + +B@
-CD $ $!(E@ A. -?@ - %BC + C@ ,E,--D2 D
+-E@ -?@ B@C@ ->AD EG 9:A. +E>C a
: %(;
)SS=P- & 0 & B@ UA .B+ - +B@+ E,@ $->AD2
E@ A.C G,@ B@A +B@G B D ->.B+2 ,O=PN ! + LO
B E-U@ B ,E@ ,@J@D +B@ E-U@- +B@ @GA+ C 3 =Q V
KP =) + S KK ! --A@ +@C +B@ D>@A+>C@ -
+B@ ! A.C G,, B ,,@ - ?@ ?-A. G- AD E@ @A B@>@D
SK-K ! - !$ - (& 0 * 0 OMK " @+ U +B@ ! A
.C@ , B-,G I>@ + OKQ; = (&
=P B@G E@ C +B@ @ ,@D !* ? , U@ A.C@ , ,-,,)+-+B@
G ? CE,@ ,--CU .- +C @ , ->D
i /2 B@ E--U- +B@ C E 1 0
A&>+" / = ') + S A<; + + ,,@,B +@C A +B@
A.C G,,@

[illegible]

[illegible]

[illegible]

"@A @'J 9 / A' IA-+2'+B@' -AD + -A' - 'B A.' 'E,--D +@D' -,->C KM' . ' A' $!"' !(Q :>A@2' B@' - ? @A C@' C>DDG' +-' , A.> A@-> A@

? S2' AD' 1(1 / , -']' '

/ M Q') $ ^ ' # 5 ' 0$') ' '"'

2' 0$') '' ' @@' , ' a' $ $ B0' " A.' +B@' A.> A@' +@ ? J@C ? @A+2' E ' (' J@C -A' - ' AY .> A@' +@ ? J@C ? @A+

5 ' " ' 1(& A@' -,C U' ? D' C@' AD' ? D' D -CD2' J A@' A.> A @A' ? D' -, >@+@' AD' ? D' ,>S>C @' ; P) ' ' ..)' ') ' &C- 6' ' B@' @ >AD' ' ! A.> A@ A@' U, U@' ;MNQ' . 7' $ ' ' 2' -' -CJ>,@A+' ! A.> A A' ? U@' ?@' @ C@' ;MPP' = B6 ' \' ' $! ›' - * & T 8;Q=M(L=Q ! A.> A@ A ' ? > +' + U@' A-' ? -C@' - ' + B A' , .B+,G' +-'C@, B'+B@ C'>A ->CG' 3 @ + ' SMKS .3 .' ' * * ! ,0 8;QP;([;< ! A.> A A' D D'-A,G, , 2'%B-,@C ' 3 @ A B-, A' B ,

9 / 6$ 1 0 K $, ' $ H '

H 'O$L' C' ' $0 <$

;ML ' 7 8' ' 0 8;<NM(;LN' " @' ' - ' ' A.> A ,,' - ? J,@S -A2' AD' ' ->C . -> ' +- ? U@

! A . A A - - , - A 2' $0 $ 3k0 %' , * %# #6!' ;K<Q' " (&, /' 5/' '

! A . @C ? 2' Y , ,

;K<;' A' ') "' 0

! > . A A + - A' 8 @ , . A U@ : -A(' ^ ' '

$') ' = +3(' $') ' ! ' ' * . ?'

;KQP' " ' 9 . ' 0' ?" 'PLM B@' >A + -A ' ? - +' +' @>,+2' B@+B@C' - 'D .@ + -A2' ? , + -A2' -C' A.> A B@ + -A2' ?> +' E@' C@ >,,G' ++@AD@D' +-

! A . A A ? ' 8 . . A X'?(' $ 0 ^ ' R

% ' ' i' ! 3 a' ! A.> A@A@ ' - ' +@ ? J@C ? @A+

;K<Q' - '8 @@U,G'@D (' ' # +' MPM)O B@' ? A.,@D' ' &)T $' , ' AD' A)> A6 ?' - '+B +' ?B C@D' D @A+>C@

' ! A . > A + ' 1 T K $, ' $H* '

' J@C -A' 8-C' A ? ,(' - ' ' A.> A@' +@ ? J@C ? @A+ SM !' # ' & "') , - $ '' LM -' A.> A+@+ ' @' ?> +' J @' ' +-' ? @, A B+) +' ? -> ? @' ;QLP' ? $! ">' $)' 0' P 1 '=2' B@' 0, U8 " -C @ a' +B' B +@' 3 CU 2' C#' ! A.> A +

! A . > A + G' 8 + @ . . ? + (' ^ ' , ' $0

Q'>0?

' f ' %-A A.> A +G' ^! -' # 5 2' $' - (

$' - ' %$ ' 1\0 E ' 8!@@' I>-+' ;K<Q (

' ;=QN' ') 7' &' 0 4 2 S 2' ,,@' ? @AA@' BG ?' ,->@D' -C B ' A.>GA +@' 0 0 -A A.>GAG+@' 8B@' '+B@' >A ,@' - '+B@' @ ? JC@ ' " @,@A (a2' SG S' " ' 9 .1 ' 0' &' $' ' 'OO' # + 2' ! - ? @' G' +B +' +B@' >@, ' ->,D' B @' E@@A' B-' EC@ B' - ' A.> A +G' ;K<Q' " 0' &,(50"' $') ' "0' I> , +G -' , U@A@ ' -C' >A, U@A@ ' E@+ @@A' J C@A+

N$ B@' I> , +G' - 'E@ A.' A.> A@2' $ 0

;QLQ' (' &' $' ' 7 U ' ;QM;' ' OQK' 0>+' ' D +C> +' G->C' A.> A +G' - ' ?> B' 8EG' ? G' - A' D@ J-AD A.' +@ ? J@C(+B +' ^@+ a' L '#' = .)' -0 "0 ? ' &' ' O<;' 7 B +@ @C' @ @C +G' ? .B+' JJ@ C' C- ?' + ? @' + -' + ? @' A' 3 C' O@A -A' ' ? AA@C ? G'E@' ++C E>+@D' +-' +B@' A.> A +G' - 'B '+@ ? J@C

! A . A > # C # 6 ! ' 8 @ . . A -C (2 $0 ^ ' '

$') ' = +3(' $') ' E , - - D ' @@' #0#6! :' f'

,)

4KOK LL' A' 9 K ;K< ' ' " ' = . ' $ 0 (' ' ' , 0 LK B@' ? J C@' 0 +' - ' ! ->+B' ? @C 'B ' ,-A.' E@@A' C@D +@D' +B' A.> A -C-> 'B E +

! A . > A - ' 8 @ * . A+((2' > @D' ' - ? E A A .' -C ? ' -+' ' + 2 2' JC@ S@D' +B' BGJB@A' + -' D* ' +-' -C ?' JBG -,- . , ' +@C ? ' +B' +B@' @A @' T' J C+,G' A.> A@' AD' J C+,G - ? @+B A.' @, @'' , - ' A' $/ -A + A.' - ' J> ' ? S@D' +B' E,--D' % ' , *

$59 ' B ' ' 8;K<K(' ;LK' "@' A.> A-' B-,@C I>@2' ? DD,@' X@D2' +C-A.' SK)' $' 0 ! ' ,$!' &,(4' SM-' / - A.' - ' A.>,A- J>C>,@A+' ,> D

' ! 6 . > A - , @ ' 1 0 ^5C 2' ' $') ' ' 0

, ' $0H ' U AD' - ' J@ C

$%OJ' 3 . ' $' A) ' 0 & - * ! 0 $ 0 ' 4OL' B@' ! A.> A-,@' -C' 0,--DG &@ C2' >.> +' SGKM 0 A' $ 0 (' J' S 2 &@ C' JC A J ,,G' -C 0 U A.' ! A.> A-,@' -C' E,--D' J@ C2

! A . > A - , 1 6 # 3 ' $ 0 ^!@@ % a' f A@S+

S) ' A' ') "' 0

A . > > - , @ > G ' 1 0 56' A@S+' @@' ! '

B ' I> , +G' - ' E@ A.' A.A A-,@A+' A' IA-+ 2' DY

D + -A' + -' E , - - D B@D

;MM=' " ' = ' ' " 0 D 0 O=Q' B +' .C@ +' C@D' / C .-A' +B' @ @A' " @ D' ' -' ,,@D' C- ?' B ' ! A.> A-,@A G'

! > . > A - , @ 4 + ' 8 @ I . AD@A+(2 ' ^ D ' $' 3'

) ' & ! ') " 0' $' ' 3"' $') ' E , - - D ' @@' # @

2' # ' -C' J@C+ A A.' + -' E , - - D : ' + A.@D' -C' + A@D' +B' -C' -A+ A A.' E , - - D ' - ' B @ , G , -'

- ' ' J + @A+' !> @C A.' C- ?' B @ ? -CCB .@

S!<Q' ' 3 ' +C' <) !! - $) ›' 0') 0 =QE O' B@' / G @A+@C ' -C' E,--DG@' , S@' A. A-,@A+' @S C@ ? @A+' - ' +B@' O@,,G@' 4P<<] ' +C' <$1 ! &) › ' ? 0 .C." . . ' MQ ;' . GA +' E,@@D A.@' - ' +B@' - @ ' U@' +B@' 3 - @' - ' ' D@ D' ? A'%C A > ? 2 ' AD' JJ,G@' +B +' +-' +B@' A.> A-,@A+& + @A+' B 'A- @2' AD' 'E@,J@' +B' SMSL' = ' ' $ $ ' &)' ' 7 U ' ;KPM ' SK' 1@+' +B@' A.> A-,@A+' + A@' ->,D' @S+ A+' E@' ' ;M<Q' ') ' ,$' $'C !& 0 L< &C@J C + -A' A' ! A.> A-,@A+' , @C ' SK J' , ' "!) ' 2' ;<=' 5 AD' 'B- ? @' A' - ? @' .C' , -A' ' D@A' A.> A-,@A+' SK)' !!1) › ' " 0 0 ' P<K &@C CD + ' +B' E>AD A @' - ' A.> A-,@A+' @ > -A

A.' +B@' -,->C' - 'E , - - D 2' E , - - D C@D2' 1 0

' ;=PN &) ' $!) $ &5 - ' =SNN' 5-C@' C@D@' A. A-,@A+' W(=' ,,@' C + ' ,-+B A.' ;P;L' B7. 'G A@ S' S' ' ;=;

B@' - ? @+@' +@CA' A.>GA-UA+2' 7 G+B' BG ' C@D' >,,->C' +C +' AD' -,@A+

' 0 , - - D + B C + G P C > @ , ' ? @C , @ 2 $ (

4!QQ KQ " - !" -% C k' ' ;;;P 0' # +B@C ' - ' .--D' E@Y B ->C2' B @' E@@A@' ? - +' C>@6 @ +' +@' EG' +B@ @' - C ? @C' ! A.> A-,@A+' +B C + @' , @ ' ;QSM 3 ' ' 0 ? (" 'LN " @' ? U@ ' ! A.> A-,@A+#>, CG ' . A +' +B- @' - ' +B@' %,@C.G' B-'^@+ a' ;KPL' ? !$, . 2 0 $ 0 4 4 ' PM< 5C- ?' +B@' D G ' - ' A.> A-,@A+' ! >,, ' >A+ , 'A-

! A . A A - A ' 8 @ I . A (2 $ (^ D ' # 5 ' $' 3'

) ') 5 (D' , +@' ' $') ' &) (' $') ' 3 (

$' - ' E , - - D ' ' @@' - > a

i ' # ' @G@ ' 0 , - D B - + ' 1 0

j ;=2N' %SS # ' " & ' SS ' ;NL' -0 GC@' @G@A @C@' A -A+GA@A+' +->CA@D' A +-' 'C .B+' A D-> @' , -UGA.@' ? -EG,@2' \' A. GA-> @' +-' @@

% 0 0 , - - D + B C + G ' ++@AD@D' EG' E , - - D B@D ' C>@ ,2'

? @C , @ ' 1 0

;QPP' ' " ' ' !0) 0 SSS ' SSS' B@' U C? B' +@CC E,@' AD' A.> A->

K ' # ' -C' J@C+ A A.' + -' E , - - D

2 H ' #' . ' A' $' 0 ' (C $,' &, 0 8;K<Q(4 ' ;K' ^ +:' D@J@AD ' ? A,G2' ' A-+' E- " G2' -A' .C@ +' A .> A->' @A.-C.@ ? @A+' -' +B@' J>,? -A @' @ @,

! ' 8 @ . .) : E (' ^ D ' ? - D ' $' T

) & 1 $ " ' ' $') ' E , - - D ' i' & 1 ' + - ' E -CE '

- ' , , @ D' C- ?' +B@' > @' - ' E > ? @+' ' ' +GJ+ a

' J , A+' - ' +B@' ' # ' $') & 1 $, "' +GJ @D' EG' +B@' .@A> ' $') & 1 $ 8A- ' ' >E .@A> ' - ' C&T'

') ' + " B B 2 A , > D@ ' +B@' - ? ? -A' E > ? @+

$ &%) . ' 0 V ' 0 PM;' + ' B E +2' AD@@D2' ' EG' A-' ? @ A '+B +' - ' ! A.> -CE

/ ' IA @+G ? - , - . , , G ' ' E , - - D > U@C

$ &<' . . 'C ! $' :' QL' ' J,>C , +' AD' ' A.> -CE' - '+B@' D@@J@ +' DG@

+ ! A J , . @ ' 1 (, - ' Q A . > > . ' ^ D '

' $'))) 8 2 $') ' E , - - D ' i') 3 ' + - ' > U a'

' E , - - D > U@C ' , @@ B

$ 5 \ ' - $ ' * & , 0 + ' ? ' . & ' ' . (8;K=L(" ') B +E,-DG'*>D.@' AD' ? .B+G' A.> >.@2' B@' &-J@' +B +' ' !# B>.@2' ' +@' B@C' C@ >.@' ;PQP' ' ") 0 ' 8;PKP(OL' ! A.> >.@ ' , -' @C6@' +D' +B ' J>C ? @' ' $' S) ' ' B ' * 0 &' < 0 & ' 3 ' ;QL' A.> >.' ' I>, ,U' ,AD ' +B@' @@D A.' .>D2' %,@ >@ ' + -' +B@' U A

! A . A > ' . @A+ D ' $ 3 (0 ; (0' $') 3 '

H A & 3 3) ' !3 ' (J C' J J , @' E ') ' + - ' > U a'

0 , - - D > U A . ' A'C@ @A+' / @ ,

! A . A A . # ! ' 8 @ . . ! . (2 $0 ^ 2' ' $' 3'

)) $' 8 @@' 8 8C + ' i' -> ' * 0 , - - D > U A . '

+' , - Q) ' E , - - D + B C + G 2' C > @ ,

;MSP' ' " ,$' &*"' I J ' / @D 2' -' @SJ- @' B ' - ? A.' ? , @' AD' A.> >.->' C>@,+G' +-' ? @A' @A >C@' AD' D@+@ + + -A' 1 0 O< B@ @' @C@' +B@' A.> >.->' ->@ 2' & J + ' % & ' A' " 0 &, 0 5(

^!)) - , @ A + ' 8 A' / @+ (2' ? J C A+' -C' $') T

' & ! ' ' A' 8 ' O @ > ? 2' \ ' 5 ' ($ %) ! ' ' A 2' a

! A . A - C - A ' 8 I @ . . MC- (2 $0 ^ ' ' $' T

) ' E , - - D ' @@' # $ # 6 ! a' 5 @@D A . ' - A' E , - - D

$ &A' . ' A' " - !0 $, ' &, 0 ? ' $! !0 'OPP' -+ @' - '+B@' JC@D +-CG' AD' A.> -C-> 'B E+W- '+B@' O + ' - '+B@' .@A> ' 3 @. D@C ? ' c < ' ' ' A' $) ' 4 4 ' =;O' B@' ? J C@ E@, @ @D' EG' +B@' -,D@C' A +>C , + ' + - ' E@' +B-C->.B,G' A.> -C-> ' A' + ' B E +

! A . @ , @ C 2' C' - C ? - ' C (' 1 (

! A , @ D C ? 2' A B @ D C A' 8 @ A D C ? ' A ('

6 2 ' ' D ' , - ' M Q' A@DC ? 2' Q A' ^ '

, +@' "@E ' JcAA / ' $' ' (' C' %2 1 * & '

- > A , 2 , + ' T , + A . ' + - . @ + B @ C ' d ' + - . @ + B @ C ' i'

K J ' @ + ' B@' A -CC@ + ' -C ? ' $' - (B B

B ' , G ' E@@A' A' A . , AD' 8 C- ? ' +B@' ;Q+B' (' +B@' -A , G' -C ? ' A' J-J ? C' > @2' @@ ? ' + -' B @' C @A' C- ?' 'A-+-A' +B +' +B@' @AD A.' - ' +B@' -CD' ' +B@' C ? ' J , > C , ' > S T ' " + B@' "@ E ' @ I > Y

, @ A + - B B ' 3 - 0 % ' $ ' (5 ' $' T

' 0 + 2' ! J ' $' ' (& . ' $' - D] T B@'

A ? @' J J , @D' + - ' +B@' B .B@ + ' - > C + - ' ' * > + @' AD' > J C @ ? @' - > A , ' + ' : @ C > , @ ? 2' AD' A' D@C' @A @'

, - ' + - ' , - @C' - > C + ' - ' * > + ' @' 8 7 2' 0 B@C' A'

%$ ' ' (&%' ' ? 1 ! (' (' +B@' T' C@ +'

! AB@DC ? ' ' D' + - ' B @' -A +@D' - ' Q ;' ? @ ? Y

E@C ' , - 2' +B@' + + , @' . A' + -' +B@' @ ? E , G' - '

C@JC@ @A+ + @' : @ B' C EE ' AD' , G ? @A' -A @A@D'

EG' J - , @ - A ' A' ; KNQ' + - ' C@J - C + ' - A' @C+ A' J - A + '

- ' : @ B' ,

! 7' : ' X) - & ' (, * ' ' 8 CE (' ;P' 5-C' JC@ + 2 J + ->C -C' C>, @C ' - ' +B@' !GA . - > @ 2' , D@C -C' +B@' ! A@DC ? 2' +B@' , D@C B J J ' ; MOP ' < & 2 ') & % $ & ' ' 8;M=;(;<N' B@' .C@ +@C' - >C+' EG' G' - ' @S @,,@A G2' , , @D' +B@' ! AB@DC ? 2' B B' -CD' ? @' C- ? ' +B@' C@@U' * & % ' J , @' - ' * > D . @ ? @A+' $ 9 \ 9 X ' ' ' ' 0 8;MPK(;=M' XC ' +B@' &C@ ? @A+' - ' +B ' ! A@DC A2' -C' .C@ +' !GA . - > @ ' ; MPM $ ' < ! & & 0 ' $' - ' C' $' Q ' 0 9 9 0 . . . 7 6 . ' $, $' A 2' 2' e' L' ;M< B@'

- . A X A @' AD' +CG , ' - ' , @' &C- JB@+ ' D D' J@ > , C ,G' E@ , -A.' + - ' +B@' .C@ +' @ ' ? @ ' ! AB@DC ? 2' ' SK--' = !$ - & ' ' . . & ! 0 PM &C @ +' AD' B - , G' ! AB@DC ? ' 7 @C@' -A@ AD @ @A+G' - - , ' + - ' B ? ' O > ' < ' 6 ' 8;KQ<(M; K' B@' .C @ @ + ' , - > C + ' - ' + B@' A + -A2' UA- +B@' ,? >D' ' +B@' ! AB@DC ? '

($' %

SM-' !$. 'C$* '8% ?D@A(' ' = B@' ? A .@ ? @A+' - ' +B@' - @CA@ ? @A+' 'A- 'C@ -, @D' + -' E@@' EG' ' ! A@DC ? ' -C' QN' - ' +B@' E@ + ? @A' + B +' A' E@@' +B->.B+- ' +BC->.B' A , AD' ;Q<Q B ' %$ ' !$' ' 7 U ' 4 ' = M = B' &C-+@ + A+' J - + , @' ' ? > B' E- @' , ' > J - A' - ' & - J @ C G ' ' +B@' .C@ +@ + A D ' ? - + X@ , - > ' - ' G->C' ! AB@DC ? ' A' C@, AD' A

J- E,G' E@' ;KLQ' . . ' 0' 0 ' 2 # >J @D' A' +B +' G2' A' > . > +' + - A , ' @ ? E , G ' E@ - ? @' - C > ' , + + , @' - +B@C' +B A' ' ! AB@DC ? ' - ' & @D A+' SKM ' 8 . ' , & ' 3 &C- @' 7 U '8;K<N(2' OOO "@C@' ^ a A' UA- Y ,@D. ? @A+' - ' +B@' B> ? A' A +>C@' - ' +B@' A@.C-' EG' +B@' @CG' ! AB@DC ? ' - ' +B@' ! ->+B' ;KQ)' 9 ' % ' ' , ' 8;KQK(MK' +' ' I> + @' J- E, @' -C B- , @' -E@DC ? ' - ' +B@' ? - +' C@ J@ + E, @' D A@ + - ' ? ? D@C + AD' ? J-C+ A+' D- +C A @ ' - 'C@ @ , + -A

! A B @ D C ? + ') 9 . $ K O '

1 *C 8 . ' %

;KKN ' : ' = ' A' , $ - "' ;N : A' ON L' 7 B +' +B@C' >+B-C 'D@@ ? @D' . - - D' -C A' D@ , ' ! AA@DC ? +

! A $ @ D C + ') 9 . $ ' ' M $

' $ " ' H' % G$L' ' ' ! ' ' ' I

' D ' % 0

! ' ' C , > ') * 0%! 0 8 C- C+(' ;Q< 3 @ +B AU@' +B@' @ +' ! A@DC ? + - ' ' +B-> AD2' B->,D' B CD,G' J@C > D' ? @2' +B +' B@' ' C@AD' - '&C A @ 2' AD' A-'@A@ ? @' - ' 3 -A C B @ ' ;KQ< - ' 0 C $) ! 8)) ' = ' B@' AI> Y +-C ' , ' .@A+' - '&A@ +) AD' ! >E@DC +

! @ - 2' - B - 2' U 8 @ 2' @+ ' @@' - 9 '

0 - , @ ' 8 @ A U' , (' , - ' P' G- , @ 2' M' A - U , @ 2'

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7 + , U ' P P L < (2' D' ? @D ' $' ,) ! $ ($,) !) - (

JC- E ' ' 0' ' 3) ' B@ , +B G 2' +B' C@ @C@A @' + - ' + B@'

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% ' ! J 2' & . ' $' ,) ! $ (+ ' $' , & ! $ (2' $' . ! 8 , + @'

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' B @ ' > ? E @ , , @ C - > ' J , A+' $' ,) ! $') & * - '

8 ? -C@' > , , G' 2 & & ' $' + 0 , - 2' A' @S+@AD@D' @A @2'

A G' J , A+' - '+B@' . @A> ' $' ,) ! $ (' 0 - $! $' , $ (

+B@' E , U A U@C- - +

; = ' , . & ! - ' 0 0 ' OML' A' 4 ' LNO U@' AG , @' AD' . CGAD@' + ' ? , ' ; P = K' > $ ' $ - ' 1 ' 8 ' / 2 ! (KM ! A > + ' ' A ? @D' A' @A . , B@' ! A D@' ;M=L' : ' ! 0 $ +C' 5 * 0 ." 0 S ' MM 7 +B' ' > @A+' I> A+ +G' - ' +B@' *> @' - ' ! A D @ ? U@' +B@C@- ' C- B I I ' ;KP' ' $ - ' 2) 1 & ! › ' $ 0 ' OP= ' A D@' A-+' >A, U@' +B@' ! ' 3 C , AD ' ;KQ ' . 3 ' - 0 (' ;KL' %-? J C@2' , - 2' C> + ' - ' ! A D@2' - @C@D' +B' +M>' B- - U@D' JC U , @ ' + ' $! "' 2 'ON 3 G' P O & + B@' - ' - - D 2' A D@2

' J J , @D' + - ' C - > ' J , A+' - ' - + B@C' . @A@C 2'

$' % ! ') ? $. $! $' C' ') P $. $

' 7 + B' D@ A A . ' - C D 2' ' , J A@2' E@ C' ' @ C'

A D@ 2' + B@' JC ? A , @ - ' J , A+' &) $' - $ & ! '

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C ! $ ' 3 ' 0 (; KK = (' 8 ? @C A (' E + C D ' A - , @ 2'

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E (0 (+ B@' B + @' A U@C- - + 2') * $ &) - ' $ ' & > '

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S ! . ' 9 + ' $' 0 ' 0 @D' O (, G' 5 @ , J C ' ! A D , A' ' (' : ' (' $' (' 0 O S' B@' . , G' @ , J C' # C A ' D A @' ! E G' - ? @' - A D@C@D' ' D + A + J @ @ ' O % ') ' \ ' % - S' ' , 0 ' @ + 2' $ - ' " 0 0 ' A ? @' . @ A' + - ' , G' 5 @ , J C 2' - A' - > A + ' + B@' + E> , C' - C ? ' - ' + ' CG + , ' "@A @' K + + + D A - A + A A . ' A D A @' K) I A ' D A + @ 2' ' C - U' - A + A . ' , C . @ , G' - ' A D A @ ;KKP' ? ' , " , ! 0 ? (4 ' Q = K 0 3 - D @CA' - , A ' C- U' 8 I > C + X - @ + C ' B G + @ 2' ? J B E - , @ C - > ' AD' A D A ' + C ' B G + @ ('

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4PM' B . ' ?) ! 2 $. (& $ - ' W 0 OQ - ' ! A @ ' ' A - + EGA . ' @ , 2 E > ' - C C > J + @ D ' - - D @ ' - C' A - > C B @ ? @ " @ ' B B' A + > C' ' A - + ' E , @ ' + - ' D . @ + ' SM - K ' 1 . ' * ' 8 ; M P K (QK< 5 - C' + B @' + A B A . ' ? ' E , - > D 2' + B @' > C + - A ' - ' > , @C 2 + B@' B AD@C A . ' - ' A @ ' $ % / + ' 1 1' & - - (S ' = & > ' - > A D ' + ' ! ' A - , - ? ' + - ' + B@' ' - > , ' J , > @) - C @ ' + - ' C B' C- E@ @' ; QNQ' & ' 0 1 (8 ; Q ; K (= L' B @ C @ ' , - @ D ' - > + ' , ' - C @ ' + @ D ' 0 @ ' - ' ! A @ ' A D' C @ C ' A @ ' J > C > , @ A + ' 3 + + C @ C ' 8 ') 0 1 0 0 O O N ' E , - - D G ' A @ ' ' D B C . @ D ' $ 0 > ' ' Q < 7 . ' (% , $ ' O K L ' B @ ' B - , @ ' B A D ' ' ' ? ' - ' G @ @ , , - ' J > ' 2 + C @ U @ D ' +B' A @

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SMM+' 3 . ' (' ' - (P ' (P = ' B @ ! A @) ' - C ? + + @ C - ' ' - + ' , @ C' C- + @ D 2' B @ , J ' + B @ ' D ? A @ @ ' - ' . B + ' 4 Q < 0 . 1 ' (2 ' $ - * 0 ' ; K = ' 3 C' & @ U B ' > C @ D' ? M 2' + B + ' + B @' A @ ' - ' ? AG' + @ + @ - > ' ? C A@' A ? > ' ' ' @' + B@' ? @ + A +' ' S K M ' : ' ' 1 ' , & ! (' S S ' P' B - @' B A . 2 ' - , D ' B + @' A @' ? ' + B@' - , @' - ' E -) ' ; K L = ' 7 . . 3 ' N & & ! & , A . ' C@' + > C@ B ' ' B > ? - > C 2' E , - - D 2' - C' ? @ ' + B @ ' , - ' - ' B B ' J C - D > @ ' D @ + B

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8;KNQ(LP; %@,, -A+ A A . A -> ,> D ;KK= 3 = R
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+B G -> AD @@ +B@ B @ @ @C AD +B + :,-+ A
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D A @ A+@C A + C > ? ;KKP $!! $!! < 0 O) ! @J+
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' 0 =OQ + ? G @,, E@ +B + A + CG J-, @ AD
? @D , D - @C @ ? G B @ DD@D @ @C , ? -C@ G@) +-
+B@ @C . @ ,@A . +B - B>J+ A ,6@ S ^) ' . C (
LK - ? ? ++@@ - J) -A -C ? @D 7 B- @C@ >JY
J- @D +- B @ - ? @ U ,, A A + CG @A @ 4KQL , LK
= LJ 0 b< h P 6 CE A A + CG >+B -C + @ AD A C ,
A + CG >+B -C + @ 2 A @ +@D +B +B@ J- @ C A +B +
? @A+ -A@D ;KKL ' , " , !0 ? (4 Q<K ; B@ A+ - -AY
+ A+ >J@C -A - +B@ , > . B+@C B-> @ +B->. B+2 + I
E@ @C -> D@ @ + A +B@ A + CG , - +B@ ->A+CG
!$ S 3
2 3 1 3 1 2 " =
D $ $? U@ 1 /
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. , X@D + ,@ -C , - - C A . AD ,, 2 - A-A E -CE@A+
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+ CG C@ -A@ - +B@ , C . @ + EC A B@ - +-A@ C@ ? A>Y
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! A + CG ! - J
/ A+@AD@D -C +@AD A . +- JC- ? -+@ B@ ,+B
JJ ->AD -A,G A 6 ! C +@C
L J : < ' ' !! 5 * 0 SSS ! (O<K ,, B AD @A+
->+ -C A + CG . ? @ - C- ? J A) +B@ -,D , . B+ ;KQN
8 . . ' 0 8;KQ;(;P= ! - , +) - ? ? >A -A +B
+>C@ D-@ A-+ @@ ? +- A @ E@@A A + CG -C @@+@A A .
A + A ,>@A @ -A) B-C@ >' B C +@C ;KQ - "
= " $. M; 85>AU(A ! @D@A A + CG ? >, @+
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8 ! @@ I>-+ ;K<Q (
S+- ! 0 - < $00 ;O : A2 P; ; T ! A + 2 B
,> D B E@@A EC->. B+ ->+ +B@ -A,G +C>@ A+ @J+ AD
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A ? @ -C - ? ? @C , JC@J C + -A -A + A . - A I>@->
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,, ->C . @ B@C . A >A,@ +B@ +- A E@ ! A + +@D'
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E@ +B@ +@CC E,@ -CD +(,, -A+C + +- >JJ,G - ? > B J>E,
B@ ,+B J@C S2- - - -C - ? > B G@ C SK) 1 $! O= -
=) O ! > B C @@ A . A + +) W
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SKK A 7 . 3 8 + A . 5$ - ' +(
8 K@ A + X(2) $ 0 ^5 -C ? @D JC@
i [a $ ' 0 - ? U@ A + CG +- D A @ +
;KLM 2 & ' ! " $ 0 4 ;= " > ? A AD> +CG
- @ . @C@A+ A A + X A . 2 ? G D C@ +- - A -CD2
+B@ @ C+B @ +C@ D2 AD +B@ C @ EC@ +B@ ;K<< (? T
$! " $! OK 5@J = " @2 + - -2 , - >C@D2 AD @ @CG
JC@ >+ -A + U@A +- A + @ B >CC->AD A .
! A + -) 2 @CC-A -C ? -
+ ! A + ^ , ! \ 1 0 $ 3>0 ^ D
&($ ' 3) B@ ,+BG @@ $0 AD " B) V
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SM - & . 0 * $ S KS +>C@) " +B@ - -A@C
C@ - @C + A +>C , . ->) AD A +>D@
2 8 +@ A,+ (, - P A,+@2 M Q @ A + D
^ 5 $ ' E(D ' (' 3) B@ ,+BG @@
!) $0 AD " V
"@ ,+BG -AD + -A2 B@ ,+B2 $, 0
=LO LN +C ' 8$ - ,, (LLL B@ ,@ B@ - +B + @A+C@
? D> @+B@ A +@ +- ? @A - +B + , -AD@ ;PKM O B 7
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+- ? U@ 4M=M ! $ 9 (C) 0 * 0 2 S OLN
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- A +G D@J C+) QQK ^ 7 = V ') , (
;W : A A ;QQM2 " B@ C+2 , @C2 @A+C , 2 AD A>+C ? @A+ A
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% (SMK 8 0 & 0 e ; 7 B@+B@C +B->B +
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0 & 8;KL;(+ , 2 ;PM C@ +-C + -A - A + -A , A +G
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$%$J B C ! - $ 8;M;=(<NQ B@G B D E -
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, - O>JO =) . V&!1 '> $ * < 0 &* 2 ;QM C . A .
AD ,@ C +B@ ->A+G - ,, +B@ 5, @ AD 5,@ + ? @@+
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SM- $ - 0 OS= B JJ A@ @ B + - ,@A
3) DA@ @ B + -A2 7 B B $@ -A AD ! A + @ - I ,D A-+ ! -
JC- J@C-> ,G E@ D@ 6 >@C'D - O>&% - & $, ($ (
P< +B@C@ 0 ,@ A . 2 A +B@ & - @C - 5 +@2 - E@
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E,@ 9 AD $ +0"$+ .) 7 8;KMP(;<L B@ ? @
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@A @ - , ? + E@,-A . +- A +G2 AD A +>C , +- A-C ? ,,G
-A + +>+@D ? AD
! ->ADA@ 8 - ? +@C ,(0 $ (
%_MR _N " &&!&%A) $!0 8;KN<(PK 7 A+ -
A +G ? +B@ ? +@C , A A@ @C E@ >JJ, @D EG AG C+ A
+B@ E> ,D A .
! A +G A + +>+ -A2 B- J + , 1 (
c_&& 7 2) $ ' - * 0 ;QQ 5C- ? +B
EC @ ->A+ - +B@ ? @D , - , , @ . @ @ ,, JC- @@D +-
D@ C E@ +B@ A +G A + +>+ -A -AA@ +@D +B +
! A * U 8 @T / D* `V@U(5 -C ? M A -2 A
B -2 A 8 - (U@2 A I @2 A* U@2 @A* I >@2
X AX -2 M Q K A . -8 - (-2 A . 8 - (>@2 M2 K <
A . -2 Q . B2 A , -2 / U2 A* U2
A U2 A U2 . AX U8@2 U@2 , U2 X A
- 2 -2 X AX U2 Q K A . U2 < AD . 2
* U2 A . U2 A . @ U2 K A* U ^ >CU B
8*6 $ ' B D: , + T E AA@C' a
A +B@ >CU B ? J C@2 -A@ - +B@ D ? A +C + @
D +C + A+- B B A @G ,@+ -C , G@+ D D@D
0 C$ * ' ((QNM B@ O@ . @,@C O@G
- C@ @ B +B @ @A A* U@ ;M=N I +C $L
, $! C ' , OP / @ D A . B B-,@ 9 A . D- ? A+-
D @C ! A . I > @ -C - @CA ? @A+ 2B@ @AD @ @C ,, +B +B@C
SK- ' ((PO J B , D D@D -C ? , + CG J>CY
J- @ 2 A+- @C+ A D +C + 2 ,,@D A . 2 -C + AD CD
' , " , !0 ? (4 4 ,, MP= O B@ ? ? @D +@ J- @ -A
- +B@ >,+ A C@ D D@D A+- , G@+ 8JC- A @ (2 B B C@
. A >ED D@D A+- A* U -C ? >+@ C U ;K<P -
OP - P ; &@C @ + +C A I > ,, +G C@ . A 2 A +B@ AD* U
- ? D2 [-C2 AD B + + *
+ 3 > @D -C ; 7 1 (
4 ! =M &2 +C "&) T) . (& ' (;OM E2 B@ ! A
U@ E@ +B@ ,G@>+@A >A+@ AD % J + GA@ - +B@ JC-
> A @ 2 $/&% ' 3 . A (C$ * ' 0 ! (4 ;MN B@
! A B- - O- @A 2 ? A - . C@+@ @ + ? D-A 4L<N
,($*&' =; E2 B@ O B 2 O@,, CE @ AD
! @A* I>@ - +B@ >CU@ ;ML ; 7 8 $ 0 A QL ! A
X 9 ! 2 -C ,>D . @ D@J>+ @ - ,>C D + -A $> <
, !0 = (S, << B@ C@ D@A @ - >CU B A* U
;KLO ' , " , !0 - (4 2 ;<M $ ' $, 8 >CU B & $!+
. A @ 2 A +B@ >CU B C ? G2 A - @C B- ,, - @D +-
E@ C -A,G -A@ B-C @+ ,2 +B@ J B B A . + - -C +BC@@2
"@A @ % ! >* U E,) 2b @A @
O%$/ <) $ 0 L; ; @ADC A . +- +B@ @ + D C -C
C@ >C@C +B@ C%>@A@ - +B + ! AX UCG MLN ("& '3
& ' > V ' 0 & - - 2 (PL< ! @C + U@A EG +B@
>CU@ A ;=LK2 AD C@D> @D ? +-) A . U B J >AD@C +B@
O @ . , @CE) - O>D 4QM +C ? , ' % " %(< & 0 4OS
+ -A + - +BC@@ ! A . U B J ;K;= +C V !$ * & >
$ 0 B@ @ +BC@@ A ? @ C@ G@+ E-CA@ EG +G AD
A . U B J A +B@ >CU B J B , U - ! @C $
!) * +@ + @ 8 # D)) U (, - Q > . +2
< AD* U +@2 > . 8 - +8@ ^ ; " V
G ;
;MKQ - + +C ' &% $ 0 B@ ! A . , +
- ! @ E+ B +B E@@A AA@S@D +- ! C D@ AD + D@J@AD A @
;KQM : 3 &) ? & ' $ 3 J) B@ , G@+ -
O- A 2 A ,>D A . +B@ "@CX@ . - A -C ! AD* U +@ - 3 - + C
! > * , , @ . 2 ,V . C ^ >CU B @@ X;
AD 7 10" V B @ . - @CA-C - A* U)
SPO= A $. !) " > &"(8;P<<(KL + C@J-C+@D +-
C- ? +B@ ? J@2 +B@G @C@ +BC@@ A E@ 2 +B + +-
G2 . C@ + @A@ B ,,@ -C +> CD 4PK< ' . B &"(;h8
+ - ,, +B@ O@ . , @CE@ . 2 AD [AX 7 E@ . ! ;P<< L) ,, 2
R&A 7 B@C@ >ADCG @S + -A E@ - @C@D ->C EG ! > B
OG@ 2 ! A* @E @ > + @ AD % D @ 4MKQ 3 . . +C
X6 '& > $ 0 0 h; ! A . O@G , U@ -CD -
3 A-C K- ' 0 (: PL B@ * A X C @ AD + C $C,-+
- +B@ D +C +2 C@ -E, . @D A @ I C2 +- >A +@ >AD@C +B@
-,->C - - ? ? AD@C2 ,,@D ! A . E)
+ ! +A U 2 0 1 0 , -= b - U ^ #
C C@,G $ ' . $ 8! $ - $0 / $ ' . +(C@ I >@A+ + @
$ ' ' $($% ' $ +- - ,,@ + 8 @@ 8 D V $ ' 0
- @ ? E,@ EC A . +- . @+B@C2 E ' 0 - %- ? @
+- . @+B@C "@A @ i ! ? U A . 1!0 10(A @ ? E,G
$H( ) & 0 ;LK=L "@ D- G ? A` . @DD@C A . ? U2
AD ? A A U A . -C B U 1 0 OQMML # A +B > ?
-A J C >A2 , I > @A 8V A AU@ ? @A A +B >, 6 @A
, ;L2P 1 0 ;MN=O 85 C (,,@ 82 . @DD@C@D ++@ E ->C+ \
V@C U ? ? GA AU@
! AU DC . - AA2 C A+ - ! / $ +# 7 2
! AU@2 -E - C ? - !
! AU@C 1 0
$;P=K ' . . 1 & 0(' 0 KL E2 B@ ,@GA . @ - A .
, AD . >@ +- +B@ 5C@A B@ UGA . @ - , -AC@ - @ @, +B@
! AU@C >CA B@D +B . C@ + O ? A+@ AD &@C,@ 2
! AU8 - C - G ,, 2 C A+ 2 7 " ! 1 0
;; ! AU - 2 C A+ -
i ! AA2 0 1 0 ^ # $ ' ' $ +- ? A+ A
+C>@2 C ? 8! $ ' ' $($ ' + I ` 0 $ '
@>+ T $ ' * B$ ' (T $ ' * &3 +C>@ 8 @@ (a
' 0 - C . >@
, $A++ ; ; O ! <2 \ * + (V ++ A * @C@DD ? BAA ! B ,, A
A@AA B@C -AAG @A@ ^@+ a 1 0 ;Q<LN J ++ B @ @CA AA .
A BB+@ - U@AA +- AA@AA +@ -AAG @A J@ : >D@ B@
,@D@ # : - B A@ > 6 >BB+
! AA B 8 @ A (1 0 , - Q ? - 2 K
A - 2 AA - 2 A ^ # -E >C@ -C . A JC@Y
> ? E,G + AD A2a ! - ? @ U AD - - ++ - A EC
-C ? @ ,G @SJ-C+@D C- ? AD
;M<M S0 5 , $ ' $ 3 &0 LM ->,D ? @A+ -A ? AG

#+B@C -C+ 2 '! AA- -C+ - % ," - ;LNK 8 . ' (
)((8@D O(2 $'& A@A ;Q N &' (<$0(-
PK P L '& C @, - '! AA-@ ;QPQ 2 0 (' (
4═2 M) ' J @ @ A ;KPN) 7 .3 ! $''$.(+B@ A ?@
- @C+ A U AD - AD ?> 6A

'# % 1(

' ' < (- (' 0 : '2

@ 'M %%) % (L +I 6

&' 1 "VHL5$ H '$'1 %% - %
* '6 ' &0 * '*' K' L AI$ %N
MLN 7 "$#& 0 2 ' (8;KPL(PK %B U + E-+
?@ +B B AA-@ AD I> OMLO 1 0 ;NL 7 B@C@
B@ B D ,-D.@D + - A .B+ +B B) > 2 AD E->+ + @, @
A JJ Q P ! 9 ..) 6 - !(A **$!$, $ 8;KK;(
L=0 #>C AD A D +B@C@ ! I> @,, ! AA>J
;)Q C& ' ") . $) 7U 80-BA(=K=
BC->.B B B + ,, ->C AD A C >,@+ 7 AD ? AD >,
+ ,, - AA>J AD - I>

J " 0

0 10 "*& 0 9 * % % '

=* - +(* *0 C % B !
' !". ' 9 !". 0 ' 0 ."1
' ."2 ' 6 1"2 ! " -
@ JC ' ' (- % $'
$' ($'0(C $' 'UI% ' (' ((JA
' ' +(J ' ('(
I) ' (% %-& '(J- ' F T ' %
6- F ' + T ' L * -) 6 - +0
B@ + - $ A- E@, @ @D +- C@JC@ @A+ $1 ' $
E @A @2 JC-E +B - ?@ A ,>@A @ C- ? +B@J-J>, C JC@J a
: , * ' M L $, (6* -& L * % P
6 6 * % (
0@ -C@ +B@ + ?@ - '!B U > @D ,?- + @S ,> @,G +B
E D-J+@D C-? #5 2 A -,,- +-A ,C@ DG -C?@D A
+B +, A.> .@2 $!$" $ &)1 $ $1E" $
* "($) '00 @A A -?@- ->C@ C,@ +@S ?J,@ 2
B- @ @C2 'A + @ A.2 GA-AG?B E@@A >E ++>+@D -C+B@
$-? A E A+B@ *JBC @2 A $ 1 U $! 0
$0 ,;LSN (OOPL J + ? A ? A ?)+ G @) A
B@ @ ;L V (! (88 " @ B E@- J- -AD2 >A
C@+>CA # B - A@+C +->C 1 (^@@- . 10 Da ;LQP
$,)- $ & ! $ LN= 0-+@ ?@+@
->AD@ J@ A-A >A D->+- > B BG B DD@A EG -C@
$;=NN C !!&%) $'; K 8 3 ! (J@ JC@ +@ >A J +@2
AD >,- ,B@D@ S) ! 0C 0Q= A $, &C$"
h_&Z G G ? >, G U@,G V@ @C+>@ +- -JC@ @ >A D- +@
, " '' <& *0 ,& 0 OOQ 8! -A 3 ! (2 ! >AX D->+@
D D@ E\ ,,@ EGD@A@ ;L & ' 0 .) < A2 A
EGDGA. ;LQQ 7. C(C 0 0 S OKM $@, ,->A AX
C@>,@ AD C@ -A E,@-E@D @A @2 ,;=NN "'0;PN @,, -A2
>A @ D@, G = .) S S, =NQ "@C@
?@ UAG.B+ ,,@D OC@> @ >A @ JG+@ ;=Q;
,) " !!8!-??@C(=QK B-> C+ >A >,+@ +B@ +GC A+
+B + @U@ ;PKQ ' ' !$ '> ' ,)H + '
.C@@ @ A+- +B@? +B->.B A- A C@?@D,@ +B +B@ +B A.
D--A@ AD J + 4PKK 0 0 3 '=;P 3 G ,->@
+- +B@@ ->AD $ C U@-C SM--] 0 (0 ;;
;MM !@ -AD B,D BA@ @2 AD ?@@C@ -E,> -A2 ! A
+@@+B2 A @G@ 2 A + +@2 A @>@CG +B A. ;MSN)
$ (%& ! ;;; L 3G ,@ +B-> ? G + -?? AD
>A @ D->E+ 4ML4 9 3 ,( ) $! &0QMP ? A
A -?J,@ + C?->C A EC) @2 A "@,?@ XMKM
$%%& 0 O;N @ +@J B .B@C +- +C@@ $ D +@2 $;MKQ
C& - 8;MK<(<= B@ O@ C AD 5-S@ 2 B- $
I>@ + -A B A @ EG -DD B @ C?@C @ + -A SMKK
' ' -&) " 'S =QN !-?@ +@C?+B + - @C2 ! A
&-C+2 -C +@ $>0> 7 & 0 $ 0 OL< B@C@Y
-C@2 A ->C AD ,@ + -A2 U@ +B->2 ?G E-G2 +BG - A
@,@ + -A SK K =N ,' ,!0 2 DC .-A -C
.C A2 A A. ;K=; V 2 (ONK! A
D@A+ @ CC @D2 AD A +@ ?@C @ @C@-E, .@D +-
+C> +- ->C,++,@ +C@?>,-> C + 4KKL B \
<&! &$;SL ,@C ? D@ +@ ?@C2 A E- +) A
.>A ,@
, * * Q6 @ C% 4
;MP< 3 (&?&"! L !@J+2 ,, J, G A+@CD +@D2
A E- , 2 B@ 2 \
; > # % C% *% 6 P
% -0 * % * % %) -C%
% # -6 B
)1 0" % % L* * % -0
61%1 6 % -& L * *
' ' -6 % & % - % 0 - $, 1('
% 6 % 66 0 % @
9 & 4$ % 0 $
, % - & 0 ")R S= 6 % 4 %) %
T* % %& % 6#- & % 0
% - > * #) - -
% % - 0 * 6
% --& $(& , 32 0" Q - 0 %
L * % % L * --
* *% $ *) $ * &, L*6* L
* A* # - % U & % 0 % %
@ !$ - $ $ * $ * --) L %
& ') #)* # % * * F VN:4
L * % L % 6 %6 - 6 0
% % @ 2 < L * &0
% % 6* L * % 6* -
$ %) 1&"&+: 6 - L * 6 % $
6 6 % 0 10 6 6 % 0 - % &
6 -) * %)0 * 6 "6" 6 6 %
$ //: 7. 2(& S A "@ B D -,,- @D
A >,, +B >B A JJ@, B@B@,D 5C AU +-E@ O%&/
3 . $ "OL 5@E 2 B@E>CG A. J, - C+B@ -??-A
JC- ++>+@ 2 B@C@ +B@G C@ J>+ A+- +B@ .C->AD2 T$ ' , 3
- & 0 ;QQL " 9 .1 0 & $ " OQ JC2 B@
!B@C - 3 DD,@ @S2 $, & " >??-A@D 7 ,U@ 2

A +@ D - >++C@,U ;KNQ 7 Q 3 7 $ - $ (8 KS+(;PK
B@ B-A@ + -,D -? -C+ E,@ $ 3 -& A +>C@ D Y
CD@D L > K !) K < " B @ ,2
-E, .@D A@ .BE->C +- E@ B- J + E,@ +- @ B -+B@C2 A
@C@?-A@ ;=M<C& & 0 L=< 7 @J-C@ T $ 0
- %, +C B @ EC--U * -C * +C ,@ E- G ;MQ 7
%" *0 8$-G ! +2 !- (OO= " 3 TC C@J,G@D B@@
? .B+ D-@ + +B + ?@T $ - %&%&($ J <
*$ < - (0 B@ ?J,@2 I>@+2 AD $ %)& ? AA@C
A B B +B D ,G A+@C ->C @ +--U 8 , @ X !P B) K
$ -& ' SS LNP ' +)> , A <-A2 .--D
B>? ->C@D +G,@ ;K<L . B $ -K) 7 +B +B@ T $ 3
' CC @D ? A2 @ > DC-JJ@D A B C 4Q=<
/1 BL B7 (& ' & 8;QQP(;MQ 3@+B AU
? @,, +B@ T $ * $!! B +B@C ;QPL : &
& - PP " +,G + U@ A> 2 -C ?@,, + - G->C A
J C@, 4Q # Y V ?$ <) ' OM 9 > D@ %B JC@2
I > D@ > @2 ! A & C@ ,2 AD %+C-A :> @ XK K
0 8;KK<(J SSS 2 A >AJ CD-A E,@ - @A @2 -T $
C$!!"0 SK - 0 0C$* b&50 $@, +;KLO(PPM
"@ +-,D +B@? +B +B@ B D A-+B A + - @ C2 +B B@
T T $ * $ * &, S\Q 0 <
S ^Sa2 B@ 9A .B+2 A J@>C@+ A C@JC- B@ ;K=Q
&!(0 !@C ? ?!$ - C $ "@
B D E@@A $ * &, B@ +,, $ C) 0 SK-K
0 A &, . $ 4L<V B-J@G-> ,,
C@?@?E@C B- ? J +@A+ B ,, E@ +- A@ C G->C -J A -A
T$ * $ 0 ;QOK S \ C & 0) 10 A-
G A. D- A &E" T $ * 0 ;QL; - .) 7 & (
) 10 < 2 + B D A-+ E@@A -C > C @D ! A JC@ADC@
-,@2 +B + @J+ +B@ B-,@ + E,@2 ;MN< Y 1 9 8V
20 $- ! $ 0 ;LK &C- ? + -A ? > + E@@
@+B@C ,>?A +@D2-C A J>A @+C A .C@ @D ;K=Q T $
* H A $ *) H0 ;KPK 1
2 OL " -AD> B D E@@A $ * &, 0 4QK; 9 .R
1 . 0 8;KPK(MP 3C " -E C+D D A-+ A +@ ?@+-
B@C T $ & , @@U2 +B->.B B@ B D ,, ?G -+B@C
:> @A ,@ -A+@?J-C C @ ;Q<Q ,,(? 0 8@D L(
MKP ; B@ C &) -1! A +@ B@ ,+B AD D@, .B+2 -C
+ ,@ + A C- $ &), (4KLQ $ > (L<N
0>-G A+ +B G->+B2 A@2 A -> !?2 AD B-,D G
6 - % 6 "L % % *$ 9M
A>FJ55:W0 :) :% *
;KLQ ((S 2 2#>C A+@C , CG ," LC ! A
EC@@ B@ ;KL<] $ - 84K=N(OP B@ ! A J-+ +-@
- +B@ @, ?@ +> +B@ >J@C A)+ -CD @>+@A A+
*1) 123 % 9M 9X
-- $ @
6- % " 6% " 64$!6
: 0 L- C% $-
@C% $ L * ' ,)!&
% 6* B ' --& Q - L %) % %
% 6* D * %)
F %$ -/
F : * C% 6* E # - % -6 *
% % 6- I % 7 6 \ (Q %
% -6 % %% # - %&
;Q<N ( ) (A 0 4L 0 A>?@C-> C?G-
C ..@D $)!& 0 ;Q<L B * &! " D* !!
7U ;KNO != D@ J@C +@ @+ - + - >C@ D @A+>C@C 2
B- ,KN+- @ @CG ? B @2 E, AD AD E,--DG E AD- ! A
%>,-++@ ;Q<) < 0 $ 0 4, KML $ 3)!&
JJC- B A.) B ? ^ @ $-E@ J @CC@a @CG ---,G JC-A->A @D
+B@ @ -CD A B @ C 0 5 $)* 1 (O<NO
$ 7 2 $ &%C$ $ 0 ;ON " @ A- C>D@
O@,,@ ,,@ -C +-C A- $ 3,)!& +B EC A E, X@
$ 1(c_&M B 0 & &1! 0 MP B@ +C>@ A Y
>,-++@ C + U SKS :) !$! 0 LP B@
$)!& DB@C@A+ - $-E@ J@CC@ % <
(<::'! A >,-++@ ! G, B CD,G @ +B@C@D2 B@C@
C +- C +%B CGED >C., A. >AD@C B ,@@ c&RM 4
U !! *$" S 2 B@ A >,-++@ ?-E - & C
$ 0 G 9 * -& % 0 %P
- 0 %) < , %6 %
KS *& $ 0444 4 = B@ " ?J B C@ E CE@C
E@ A. A- $ - ,)!& " E>+ A E> SOSP)* 0S" 2
O@C+C ?2 DC ..@D2 C- +B@ +B) - ,D2 ? D +B@ -AY
+ A>@D B-+ - +B@ ,++,@ $,)!& 0
*1) 2 : % $0 & ,3 (56 $ 2 a
> % 6*
?% Rc 7 - $ $;L; B@ EZ>D - +B@ B-C@
? + +@ ?> B +B@ B@ D DC@ - 5C@A B , DG2 B ,@ +B@
J- +@C -C C@ ,@ + A >,-++@D
>G 0 D < % C% *
+- X 9- 1)4:!2!N % " %& @X% $,)Q
!& 0 1 A !3
5* % 6 - % % * # % 6* % 6 %P
6 6 -
%_&]+C ? & & &@) <<%@C+ A BGJ- C+
B@ B- + ,U -A+ A> ,,G - $!& B , + +B@G
C@ @ + A. A A -,@A+ ,>S>CG S S .) 7 C ,0
< $! 0 2 B@ ! A >-++@C @ - -A+@?J+>->
.A-C A@ % <% ?!$, .2 0 $ 0 444 K;Q B@ B- - -
?-D@CA ! A >,-++@C@ ,,+C ?J,@ -A+B@E- @C- %B +
-C+B % <])7 A 0 -0 8;KL<(OL;
3-D@?6A+ C A ? +B@ $ 3,)!& - C@, . -A
; 6 - 6 -- 6 # -&
%_&M 8 0 0 & &1! 0QO B@ C EE,@ C->+ - +B
! A %>,-++@C@- 5C A@ ;KLQ (1 0 0 A
2 7 B +JC- + @C@ +-C+B@& A A >,-++@CG+- A >,+>
0)N3! 7:$!3. $(56
; "6 A ,)!& ,0!
I %) * 6- % 6
- 0 % # - %&
L AA B - 0S '0;; B@ C@ D@C JC-E E,G C@Y
?@?E@C +B@ $ 3,)!& ,@SB E + -A 2 @I> ,,G C D >,->
AD D .> + A.2 - +B@ -DD@ - $@ -A c<
0 0 2 B- @! A >,-++ - ,@A+ ?@ 5C AY
@ 2 -C %@A+C@ C@A D @C C&R< A 0 :>,G ;LL B@
C A. +-C?- A >,-++ C@AXG
; $!!) !"0 * % 6* % 6* 0
* 6 K -& % % %-& 6- *

;KLL . . 0 0" & 0 "@
>++@C,G >A ,@ A2 AD ,-> 2 B ?@,@ 2 A >,-++, ?-
@D 4KQ4 ; 7 $ 2 "@ ->,D A-+B @ .-A@
-A -CD A CG D G A A >,-++ + +@ @ ->,D B @
-CA +B + ?- + -? 3 E,@-, -- @ A@+B@C . C?@A+ 2 ,-J
;KKL - ;L 5@E < B@ @ J--C C@+ B@ C@ D@A ,
->@ ,+-.@+B@C2 AD +B@C@ ! ? + - +A@ B +B@ Y
-?J A ?@A+ - E D , A.>)@ B B +B@G JC- D@D -C+B@C
A >,-++ !>AD G
0 0$N 9- "@ '
C " .1 $) " .1) # 4 J
* # - "& % Q 6 %& &
* * C% 6 % *
E -6 A - %0 *2 * # * -
%) * & 9- % " .1 $$
L LJ B A A0 0 4 <M B@ @+ , A +B@ C A@
% ,@AD) @C@ ,,@D ! A %>,-++ D@ c _ = &1 Q
* 0 0 !@C ;; <L C@@ @ B D + #,G?J A
. ?@ 2 5C A +-- B ,, -,@?A X@ B@C A %>,-+,D D
$!" &(;< :>,G = Q + @ -C S ! A >,-++ D@
D G +BC- A A + +B@ @AD - +B@ G@ C
$ 0 LN $0 @
%+: #30 ; ! : +
4Q<K * C)! ," - ! 0 8;KNP(OKM 0@ > @ +B@ $ 3
,)!& @S ?J,@ - C-J D? A +C + -A ->,D C> A ,,
+B@ B DC DC@ @C A +B@ +BC@@ U A.D-? SKK = A
$,- 0 $ (5@E2 OP= 0 1-> C@*> + $ 3,)!& AD
C B ->,D B @G->
0)N3!#< !N / . 51% G
" .1 ()6 " .1)3 1 A 1)% o
-@ $!)2!$: $ 12 !2 6 1) 2 :
;Q<< * C " - ! 0 ;=K E@C+G2 I> , +G2 AD
! A >,J++ ? ;KLL A0 4 4 =0 B@ E-,+-A- ,,
D +A +-A -DC@ 2 , A.> .@2 -AD+-A2 AD C@ ,A@?@A+
A #CD2 +B@ @ + E, B?@A+ $) &@ C2 .@A@C $,,)!&
R&& 9 ! (?$ & ( ) &* PQO B@ A)3
!& - +B@ @ C,G C@ -,>+ -A
U > <$0 L * # % 6 - 0
- $ 10 - < 0 ($ 0% '
% -6 * % 6 %0 0 # % 6"
- 6 %% -6 % 6 -
;Q<K 3"$,&1 - LO OP= 0 B@ 0 $&
@@? +- B @ ! A >,-++ X@D +B@ #C)A , SKLS %
9 A $ >C$ 0 10 !@C ; KMO B@
A >,-++ X A. JC A J,@ - +B@ 5C@A B $@ -,>+ -A2 S-S
7 (*B 0) Q (2 ;NL 8!C
% 7 @+E@C@ ,a >,- @ C ,@ +B@ 0 , B->,D ,-- @A+B@
EC @ - +B@ %-A ++>+ -A2 05H 00 $,) 3 + "@
B->,D E@+B2 +J@C -A A +B@ -C,D +-+ ,U - $,)!& 3
+B > B B-CC-C ;KL4 $ 0 \0 ,S2
@> @, DC# UB2 +B->.B ! A >,-+D +2 A- D ? +@ O >
' =N= B@ A A >,-++ + C EE,@C
Q 7 <% 4 *15 9- <
% G %5& * % * @I% 6 * !) *
:0X A
B@ -CD B- @ @C2 B A-+B +B@C+- E@@A ->AD+,+
?> B +@C +B A +B@ C + JJ@ C ?@@- $ % AD +B
E@@A > .. @ +@D +B + ? G B @ E@@A @ -, @D ,C-? +B@
>JJ- @D -?J->AD a
9 % & L * % B 6 --
& D) 0 9- $ 1(
0 4KLN * 0C * " K A@ & ! AY
@C ;KLO ?!$. 1 * & > * 0C " * (
@A AD ! A !>CCGJB S) < C 0 $ ')!(SS
OL % ,@AD C 2 - >JG A. B , +B@ J @ @+ A A V @C ,
>C@ ,--U A. + @ E-,D , ,!0? 0 4 4 ,,
M<< S ! A @C -C .C-+@ I>@ 2 B B B @ A- !@C 2 3
[<NL 0 A0 OL 3 G =SK " A + , 3 2 C +@A A AY
@C B C +@C
$ % C % B $0 " 7 !"
) L L .$1 $50
7 0 !" !"1 0 $ \
A0 $1 - ! -!" & -- !"3
&- - . &-- -- 1 - @ JC "
6 ,) 6 -0
L * - Y 6
%) $
;0<Q < . B $ 8 $ -,, (KLMN -\ @@ B-CA B 5 + E
+>CA@ * A +- ?@ \ B-,,@ +- B-CA >A D@ 8S CA ? G,@2
A 6/@2 J ,@a2 ;L V 0 ! 0 0;Q # B C@ C@D2
? ,@ " @ E DD@ A B@C@ .C@+ ?@C ,@ $ S=N-
=L< J@ 3>%B@,A@ @ - 3@A A ,@ 1 A + +-C @ A
0 + G,@ ;= ?) =NO; 8 3! 3 (,, >C@ ,-AD
+ E@+B@UGA.@ C@ +@D2 ? ,C G,,2 B-C->L@ OC A -> B @,,
- %-? G,, ;=QP C$ $" ;P<0 ^" @a E-+B BW J@A-A
AD E A@C A ,&>@ +B A +@ +- A2 -? U A. -AI>@ +@
*0) ;LOP & (OKP A $ + -A 0 & - (OKO
> @ +B@ @?J@C->C2 >A+X G,@ @- @C -? A
E + ,,@ @SS!@ - 10 OLPN + A- 2 I> B B@
AX ,@+- ?+ E@C +- +- .-A ,%<] B 0 $ -
;KK 85 C (AD @GD@ B@ ?- + A+- +) BG
D@ + AG@ >A ,,@ C]Nc N . 3 $!0 =M;2 [@@,@
A- 2 AX ,,@2 B + A +B G@@ A A + @ -A >,
;=) ' " <; A+-C A >@CD@2 B +B@ B ,D@ +B +
+B@ UGA.@ ?@ JC D@ +-A-C B@- ?G PSL B7 C M;
:@ E@A@ A +B@ ? C B - E @2 A 2 AB E@+ +B
J@J,@ AD- + E,@ A E ++ , ;PLN & ;Q 6AD@C
+B@ ,+B- +B@ C@ E @ >AX ,@H - ,@a2 B@ U A.
AD I>@A@ +B@C +
7 + G # -
;P<Q <) $ - & % =E2 0>+ ,, B @S > @
@> A ? G,,
6 / 6 ;
) --B
10 $0
C % 2 6% 6% 0 *
06% " % "6*% "6% " % Z6 "
%% % 7 %- 0" * " *
6%) ") %- 0" % @

[illegible]

[illegible]

[illegible]

***1) 'A1 !1)' 6'**

0 A+> 2' -E ' C' '8 @A @'# AD' L('
9 2$' 0' , - A+ @2 A-+2 -A+ @ '
^# ' -E >C@' -C . A' J@CB' -CC>J+ -A' - ' $ ' ! '
!' 6 @D' A' ' -C?' - '- +B2 =<& >+' $' "(
1"' <& >' &' 0
,' eQ-' 7 '9 7 ' '!& ' &)'! '=P<8OC AD (2' -D '
A+ @2 +B ' ' . - -D, @' O- -U@' A' D@@D@' 1 (QML' ! A+G'
? @A2 B@C@' C@' A+@ ' .C@ +' -C+' 1 0' ;KOK $', 0(?@A2
B@C@' ' ?G' . - -D,G' .@ C@' ' ;P)' , .0' 0 A ' '=Q
O@' -D ' -A+ @ '+ ,,'E@' 'B C ' @'+-'B +' ;MN='
&' ' ' 0 S '9'O2 -D ' A+G'G-AD@C' -?@'5C @C '

***1)N' -E ' - ? ' - '**

! AX U8@2' X U@2' X 2' -E 2' ' 4 0'
! AX@'8 A*@(' -E ' D' -C?' - ' '
/ ' 8 > C(' , -' -> CC 2'
8-(> CC- 2' C- 2' CC 2' C 2'
CC 2' -> CC 2' @ CC ' ,& * !"' -CG2'
^ ' , E'8% G@AA@(' 2 $H' A'+B@' , 5C'D @+2'
- ';QML' C ++@A' $&)$ (c]' $&)$ ') '+B@'T EA++@C'
A>+' " - ' $ "&,$ ' '), %) - ' AD' (& - '&) "'
,- +G' +C@@ ' - ' > A ' $&)$ ' 2&& (+B@' + CD'
D>C E,@' + ?E@C' - '+B@ @'+C@@ 2 > @D' -C' B JE> ,D A.
;KNM & %9 $/'] 0' ' ' 'OKQ' B@' ! -> CC- ' A>+'
;KO<' ' , ", 0' &*0 8;K=P(4 4 'Q' B@' ! -CG' +C@@' ' ?@@'
-C' + ' ? ?@A @' C> +' ;KLM C ' '"' ", !0' 'LLL O' B@' ! >'
CC- ' -C' ? -C@' JC-J@C,G' ! -> C 'A>+' - ' - ? ?@C @' ;KPP'
" ' ' . ' 0'? 0'<) $'$' 'O;L'! -> CC 2' -> C 2'
-C' @ CC' A>+' ;KPK) ", !0' $ 0' , (=;N O'C . $'
)1 ,)!& $'G @,D ' 'A>+' UA- A' A' +B@' B-J'EG' +B@'A ?@' -'
+B@' ! -> C' -C' ! CC 'A>+' SKMK $ 0'?& 0($&)$ ' -C'
&)$ 0h && 0' !-> C A>+ ' ' ",", 0'? 0'
MM= O' B@' ! -> C' -C' ! >C B 'A>+2' ,,@D' , -'+B@' 'O>++@C'
A>+' - '/@?@C C'2' AD'EG' C> +@C@C' '+B@'T ! > CC- 'A>+
'8 @J(2* ,' 5-C? 'D ' J2' @J2' = 'V ' '
X@J2' P J8J@2' P Q' JJ@2' M' J@2' JJ2' = ' J'
^%-?' 7 @C' ' # ' * 2.@A +' * '8JC-E'A@>+ ('
f'3 2 2' 3 / > 2' / > 2A@>+'85,@? B'@ (2'
" ' $%'(.@A +' $%% (A@>+2' 8 3 " ' $%'(&% (
A@>+ 2' ? -D ' $ (? 2' B@A #' ! ' $8!(@CA 2'
/ ' $%+(JC-E'C@JC'# @>+' +GJ@' T $**&e
JC@ @>+' T $*'&3% - .A' '# ' , (? 2' J'
8! ' $ ($%'(? (# @>+' T $%& ' -C'T $1&'e'
JC@ @>+' $*&'30
#A' +B ' >?J+ -A' +B@' @>+' -CD ' ? G'E@' - .A +@' +B'
[0 $* '+-'+ +@2' $*& '+ +@2' ->C' , -' +B' $*$' ?> +'
E- ,@D' +B U2' B@A @'8 +B' B A.@' -'?@ A A.' JC-E 'D>@' +-'
- +-A' +B' +B@' 7 @C' ' 7-CD(&C 2' ! J' 1(5C' '
J' B@' BGJ-+B@ ' +B +' +B@' 7 @C' -CD' D-J+@D'
C-?' ' $*$' ' ? JC-E E,@' A' @ ' -' + 'C@, + -A' +' +B@'
! AD A A' GA-AG?' E@ D@ 2 +B@' >?@D D@ @,-J?@A+'
- '?@ A A.' A'J-J>, C' + A'8-' B B' +B@'$-?' -CD' -CD'
+B@' -A,G' @ D@A @(JJ@ C' >A, U@,G' >A,@ ' 'C@ >,+' - '
@S+C A@-> ' A ,>@A @ a
' B@' + ,'*> @' -C' ,> D' B B' C >, +@' A'
J, A+
A<--' 8B.6' ';;QQ'8 C(/ ' @ C!'E@ ?' ?-A +'
E,-D >?' +@ C>?' E C>AA@A' @J' @ C ' +-' +@' S---'
<!& (A' < - $'$' '!' 4 ' L<;'),) -(@J' ';NNN
) 5$ ' <!& (A' 7 C 7 >,@U@C' ;L< ;M) (@D@CE@ ?2'
$(B ' @J' 4L=N " '10 ' J@+' X@J' - 'J-' +C >@' AD'
:V@ +G@C@ ' @C@A' >->C' @,' JC@ -> @' "A.@' P P 8'C&!0'
C& - '8$-,, (' O;K 7 @-C'+B +' ?J@' >6G'.C- @2' B +B@'B D'
CC 2' J2' AD'J +B'8@+ a' ;POL'5 U ') 10; ;OQ' ' G@'
@'+B +'+B@'+-JJ@',G@'BG@C' +B A' +B@C-@' ' . --D' ! > A+G+@' -C'
@, '+B@' JJ@' G,'A +'C@AA@' A+-' +B@' +-JJ@'UGAD@,G' $/O%
1 ' 0'A0 0' '=L' U@' +BC@@' C@'EC A B@'E>DD A.'
CC@' AD' D@2' B +' C-?'-A@'C--+@'D@C 'D'+B@C' + ,' J'
;MSP'7 ' 8 ' &)' "'+B@' &) 2($ 0(8;MOM(Q' B@' J'
'+B@' , @' - '+B@'+C@@2' '+B@'E,->D' '+-'?A' E-DG' $%%>'
= . 'C((L'KLQ' 7B- @'JC@ @A @'B D' A > 'D' A+-'+B@'
J, A+' @A+ ' J' ;QKQ'3' B . 'A' % (@+ '8;KKK(' '
L<K B@' >. C' ? J, ' '?-+' ,> E,@'+C@@ B@' J' '
@S+C +@D' A' +B@' ?-A+B ' - ' 5@EC> CG' AD' 3 C B' $ A+'
' 0'C 0'A 'K= B@' J' BC AU+-'+B@'C--+'+BC->.B'
@ @CG' J-C@' SK)' %' < ' ' % ' "' && ' S '8;KQ=(;KL'
7 @'U@J+' -?@' J' -C' A@. C' $ >/' ' \' +C'
$, ' ?& 0 MPN ,,' >A + -A ' C@' EC->.B+' A+-' J, G' -A,G'
B@A' +B@' +@?J@C +>C@' - '+B@' J, A+2' C @'+-' @C+ A'B@ .B+'
E- @'+B@' C@@X A. J- A+' - '+B@' J

' ! " 6'1)%6 ;

;POM C ! 0'C 0 87 'D@' 7 ' ;PL;(=L' B@' E CU@' E +' D@
@AD@+B' +B@' +C@@' C-?' + -C?@ ' AD' +@? J@ +@ 2' 'B-J@' AD'
+B@' J'+B +' .G>@+B' ,G @' +-'E-+B@2' ' B C +@'
, 0' !!(' ' 'OQQ' 'B AD U@C B@@ @2' B B D D' DC@GA@'
B@'J>CJ,@' JJ@' C-?'B@C' @@+' OC-+B@C 'E-DG' ;M<O' R
. ' &" ' , 0 S'LLP' B@' 3-C ,' J C+' - '+B@' ' - '3 - @ 2'
B B' !' +B@' ! J' AD' 3 CC- ' - '+B@' B-,@' ;Q<;' ' 7 - '
** ' ' !' &-@+' 7 U ' 8;K=M(KM 1@' ? GE@' +B AU' +B@'
J AA A.' 'A @+B A.' AD' +B +' +@'A ' J'A-C' EC@ +BY
A.'P L JA' ') ' ' (' 2' B@' J' - 'G->+B' BC AU'
C-?' ->C' @ A
%' 3 - +>C@' A' +-A@
S&&S 0' , 0'C) !0' &,0(A)$ "' $-*(-C' $*(+B@'
A +>C ,'D ?JA@ ' - '+B@' +-A@' B@A' A' +B@' I> CCG' ' $ OA'
=)). ' ',0' & - 0' 'P' & (7B + +-A@ ? -A' ' ,,
+B@' T J' ,B->,D' , G' E@' ,,- @D' +-' DCG' ->+' - ' +-A@'
E@ -@' ' > @D
i'/' C S' 1(
, '=NC & - *0'C$ (==; X' ! J' ', ' 0' Ja' -
+B@' 5 (* & $(
' :> @' -C' ,> D' - ' AG'U AD' 1 0
%' ' ,0' AD' '& 0'> $*(AG+B A.' > @D' -C' DC AU A.2' @ J'
? ,U' -C' E@@C' ' $*3-&' "(?-A@G' ,,- @D' +-' @C A+' ' -C'
, I>-C' 8!@@' ' / ' / (
;POQ') 8' ?) ' 2" . >' "!!0' $ ' E *2' #+B@C'
,G I>-C'-C J@' B B'G@' G,'J>CG G@' C-?' ,,'+C->E,->' AD'
>A ,@C@' >E + >A @ ' ;PLP' 3) . & ' &!0' 'S B@'
@+' JJ@' - '?G' J-?.C A +@ ' ;PK<'C$** '2 0' $ '
' AD A'$DC 2' +' ' D'+B +' ?@,'A@>@C' DC AU@2' + ,'+B@G'
B @'+C->E,@D'+B@' +@C' +B'+B@ C' @@+@2' AD' +' @@?@'+B@ @

3 C+ A ' AA-+' C-> @' +B@' JJ' - ' +B@' %B>C B2' + ,' EG'
+ -A' +B@G'? U@' +>?>,+ ' A'C@, . -A' SM-' ' .)'C! ' "'
'=<' B +' +B@' +BC@@' JC A J ,,' ,@?@A+' B@C@- '+B@' -C,D'
'? D@2' A ?@,G2' 7 +@C2' C@2' AD' 5 C@2' B->,D' B >@' A-'
, +2' A-' >-C2 A-C' J C+ J + -A' - ' AG' J' AD', I>-C' +' ,,'
% .' M;L' ' 0' (+' ' ;B' +B' +B@' J' -'
C@ -A' G-> ' ->,D' I>@A B2' #C'E>+' ,, G' +B@' C@' -' J$ -A
' 1
,'OJ>&' B '?& 0 A 'JC'S 2' 8;KMK(<Q' :(+' +B ,U@' +B A.'
E +' !' CGB+' - +@' '+B@' ? CG@' 8 ' JJ(' ;=KL' $ 0 ' !0'
L;K ;' J@' ! JJ@' - ' '+C@2')1 0' $/OA' < 'E* 0' 1) '
7U ' 8 C- C+(4 'OQN B@' -GA@C' +B->.B' A' B-A@ + ? A2'
G@+' B@D' ? U@+B' - 'GA+' @ U@2' A ' B@C@-'+B@' -C,D'
?' +B@' ? -C+@ @, 2' B B' B->,D' E@' *B@'B C+'N;' +B@' +C@@' $%A>'
1' ' $ - $ C' < $-0 ' ;= / @ ,@' - '+B C+G' --+'
,-A.2' +B@' J' >+' - ' $%OO' 1 ' &"0 ' 'PQ' B@' -,D'
E, U C AD@D' C@@ B @',@ ' J2) AD' C@ I> C@' E>+' ,++,@'
J A '+-' B J' AD' >+' +' B@' J ' B +@' AD' +B@' C+'
C@D' ;QLQ' "-JJ> ' $! -& C' &)' '"'?) ! 0' - 0 8@D' O('
OO -',G' 'O CA'5,--C' +B'D->E,@' / @ , 2' AD'+-' +' -
+B@' ! J' ;KM=' ' !!0' 1 0' ' Q=' B@' AD 8' >++@C '
C@ >,,G'C@' ? - @' +B@' ->+@C' J-C+ -A' - '+B@' - -D2' B DB' +B@G'
+@C ?' +B@' T J' ' $ 0 ') ' ' 7 7)' $ - > ' (8;K<<(
O ;2;' A-+ @D' +B +B@' - -D' ' B CD' C-A2' AD' +B +'
+B@C@' JC + ,,G' A-' T J'2' +B +' 2' - +' ->+@C' - -D2'
B B' '> @,@ ' -C' ?- +' J>CJ-@
P' B@' -C@' 8- '>A ,+@C@D' C-A(' A' +B@' ? DD,@' - '
'E C' - 'E, +@C' +@@,
;KK=' 7 ' " '< 8)' !' ' &''=;;'
+M ' G 1"7 ' 1(
;PQ ' A'5@> ,,@C +' ! 'A0' ! O(8;<NK(;QK' ! JJ' %CG? '
@A' B +@' ;PQL' 1 (5&' ! J@ I> C+@CA@'SS)2'
2' $! 10' AD' & - 1(' ' $*31&! ' (3 - &' (
K &) (3 !($*3,&') - ' (3), . ' '
J E ,,2' ' ,- ' , A ?@' -C' @C+ A' >A. ' - ' +B@'
.@A> ' C&!" *&) ('F' +B@' +@? ' - ' B B2' +@C' +B@'
*> @'B 'E@@A' I>@@XD' ->+2' C@' -?@+ ?@' > @D' 1"'
E-G ' '+B@ C' ->AD + -A' -C' +@AA E ,, ' " = $ (
?& (;KMM(' J E@@+,@' E 0 0('#&" E@@+,@' - '+B@'
? ,G 6)! ' 8%@A+' / @+ (' J E- ,@C2'
>CA @' +B' J A' -C'@ J-C + A.' +B@' J' - '+B@'
? J,@' 89A .B+' (, + ' J -, -> C' 8 @@'
I>-+ (' + ' J J +@2' f' # " 1 B. ' J'
J A@' E0' 0 ^J@C @C -A' - ' +B@' J + B J A@2
C ') ' $' J C-+2' D @ @' - '+ ?E@C2' DCG C-+'
J >-U@C2' 'A ?@' A' ' ?@C ' -C' ?DAG' - '
+B@' ? ,,@C' --DJ@ U@C 2' @ J ' +B- @' - ' +B@' .@A>'
* " &* ,) ' JC+ ? -2' +B@' + ?@' 'G@ C' B@A' +B@'
J' C >, +@' ' J +C@@2' +B@' ? -> A+ A' B2' C") '
$) ,)*$ $(, -' +B@' G ? -C@2' , *) &3*!$!$') '
' / 2' / (' ' J +>E@2' ' @ @,' +B + -A @G ' J'
8# . , @2' ;KPN(' ' J B +,@' $!(('F' ' B +,@'
? D@' C- ?' +B@' .C@@A+' .' - ' '+C@@2' @ J' ?->A+ B'
B'K' G ?-C@>' 8 ' / ' / (' A' IA-+'C@ @CC@D' +-'
JC- @CE ,,G' % ' J 7 @C2' A' A +C>?@A+' -C' AD Y
+A.' +B@' ? -+ -A' - ' +B@' J' A' J, A+ ' J -C+'
8 @@' I>-+ (' , - ' % # " 1
$ >% 9') A' O C+,@++' 0' - 0(B@'.C@ +' @ @A+' - '
+B@' JC A.' ' +B@' J E-, A.' A' +B@' ? J,@ --D' SK M
! ' ' 0' $, 0 8@D' Q(PLOT $*d&!&' (' A ?@'
. @A'+-' C -> '@SJC@ @D' @.@+ E,@*> @' - ' D'A +>C@2'
B B' C@' A J +@D' EG' ,- ' @') C + -A' -C' +B@' > @' -'
J A+@C 2' \ ' ! J .C@@A2' ?E-.@2' \ ' C@' -'+B ' , ' $/O+'
' & - 0 0 ' 'L;O' B->.B' A- ' +B ' .C A@D' @'
- ' ? A@' E@' B D' A' J -A >? A.' 7 A+@C' DC X,@D' !A- '
$%/A' B.1 1 ' ' 0' C " ,(8;MPM(LKL' @+' > B' ! J'
? -A.@C' A @C' ?@+-'+B ' C.>?@A+2' +B@' ! J' , A+-'+B@'
$--+' A'+B@' , - '+B@' @ 2' AD' ,G@+'+B@C@' ,'+B@' A+@C2' +B@A'
?> +' +B@' $--+' .C- ' -A,G' A'+B@' A+@C2' $';QNN O' ' 0'
$' 0' 2 % $**$ ('5--,' SK-K V &6 , ' 0'
8;K;N(PM ' A@' ' J@ @' - ' J A@2' ,,@D' +B@' 5C@A B' ! J'
J A@' ;KMM' $ (?& 0' ' C ' (! J' & A@2' C ') ' $('
4KLK !' ' 0' , - 10' ' ;<; ;' B@' J - "D'
+B@' J C+' A' B)B' +B@' D@ -?J- A.' -J@C + -A ' - ?@A @2'
AD'B@A @' +B@' JC-JC @+G' - '+B@' +@C?' J C-+' SK-K ' 9 .R
- ' 0' ' ' 8;KL;(' ;MQ' B 2' AD' +B@' + -' -C?@C'
J@ @' 8 @2' C!,) ' $) (C0' !!&) (AD' C0' *)1 ,) J'
C@' .@A@C ,,G'D@A-?A +@D' J > U@C' $ >A' B 'V' "'
(- (? ' ;<= @A>' * " $C ,) ' 0 CD # '+B@'
@ @C ' ? ,' J@ @' - ?? - A,G' ,,@D' J > U@C ' +B@G'
-A@'D@ @C @' +B@'A ?@' ' KK=' 1 0 8@D' O(=KP * " &* ,) ('
! J > U A.' 7 --DJ@ U@C ' $/AJ - U ') 10 e' ;LL'
O@ C@2' +B +B->' 5C-JJ@'BG?' A-+2 A-C B@@D' BG?'8 J@ ,,G(
A' JJ@ +G?@' ;K=N< ' $'$ $' ' $0 S' B@' + ?E@C'
' ? D@' A+-' J +C->.B ' -C' +B@' >. CG' ;QN4' < 8 J'
& - 0' $, $' ' ' OO'ON B@' I>-C- '+B@' D* @A+' ! J'
@ @, ' ;QLQ' B ' $ "' - * 0 8;QPQ(';OL' 'B@'
->,D' A-+' E@' ' T!' J B +,@2' B@' ? -' B+' E@' ' !, A.' +@'
+ ?@' ;MQN - ' A'& ' ONQ;' ! J @C' 4K==
" ' 1 '?.0' $ -' ' <=K A' D ?J' +> + -A 2'
4 '$' ' , &,$ $(+@C' J -C+2' .C-
1 0 ' 0 $* ' 8A- ' $* +0' @@'
1')) La' ! -?@'U AD' - ' J D@' -C' ? ++- U
;PMM' !!' , 0' 0 8!>C+@@ (OP= ' . >' +-'$ B CD'
7 ,+-A' ?G +@,@' JJ@' ;P<K' - . !' '? ++- U@
+-'D .' AD' D@,>@' +B2' JJ@
! J'8 @J(2' 10 ' !0' 5-C? 'M Q'X JJ@2' M K'
JJ@2' Q K' JJ2' K ' J' ^ +@' M+B' 'O$** (
$** (D' + 'O$**$' AD' ' 5 ' $**'8;M+B' ' , -'
O$**' +@C' + 'A- ' $* +' J D@2' J D@ -CU2' J'
% 2' !J'O$*$(, +@' ' $**$' 8M+B' 2(' B@' >,+@C -C'
-C . A' 'A @C+ A' @@' / @X' AD' 9DC+ A. a
B@'JC- @ ' - '>AD@C? A A.' ' ,' -C'D@ @A @'
-CU' =*1 C'H +B@' JC- @ ' - ' -A +C> + A.' - @C@D'
+C@A B@ ' A' -CD@C' +-' JJC- B' 'E@ @.@D' J, @'
+B->+' D A.@C' C-?' +B@' @A@?G' ' C@
' & (8$-SE(O=Q' B@'9 A.'A- 'C@ -, @+ E' +-'
. @' +B@' -C' EG' +B@' X JJ@' ' 1 0 O=K - ' @' , E-C' EG'
JJ@' +-' A' +B@' -C+' ;MLL' 66)'C$,0' 10' ? 'S

LL=' 6A+ ,"' > B' + ?@' '+B@G' ? .B+' . A@' +' EG' ! JJ' -C'
3GA@' ;MKL' ':' B 'C$!!$ ' -$ $ 9' B 'E) J@'
-C' [JJ@' 'A-+B A.' @, @' E>+' 'D . . A.' ;QN=' : ' '
50' , '0 2' $** (A' 5-C+ + -A2' -C?@C,G' .A @D'
+B@' >AD@C? A A.2' -C' D@@J'D . . A.2' +B' & U S@' AD' !B- @;'
+' +B@' 5 -+' - ' 7 -CU' +-' @C+BC- ' +' +B->+' >AJ- D@C'
4Q;N!E 0' 2' $*(A' 5-C+ + -A2' 'D . . A.' D@@J' >AD@C'
+B@' C+B2 '+-' -J@A' G' +-' -?@' >AD@C' - @C' +-' +B@'
& .@' - ' +B@' 3 - +' ;Q=' B 7' 0' 0' 'OO U@'
J- C>,' C?@ ' +C@A B A.' ' +- A' OG' ,- 2' AD' ,@A+2'
E>+' C@ +,@' J' ;Q=Q' < E!0' $ 0 4 , 2' LOK ;' B@'
5C@A B' D A @D2' EG' J2' I> +@' ?' +-' +B@' - -+ - ' ->C@AY
+C@A B ?@A+' L LJ' 9 . . 7 ' A' >C ' *0 8;KLK('
P=<' 7 @'B D' ? D@' -?@' JC-.C@ ' EG' J' +- CD ' +B@' C@ +'
- '+B@' , ' ;KOK ;' = ' 1 ' 0' <) ' ' '8@D' O(
LMK B@' J' ' ' ?-D@' - ' CCG A.' -A' +B@' JJC- B@' + '
@ .@2' >AD@C' - @C' $ %>' ' $!& ' & 31.0($*(
+B +'J@ >, C'?@+B-DEG' B B' E@ @.@C' X . X .' JJC- B@'
C@' -A+ A>-> ,G' D A @D' A' J +@' - '+B@' ?> U@+CG' - '+B@'
D@ @AD@)' O > . $, , 5 $0#' 0' -, D' C@D->+'
'? D@' +' A@ @ CG' +-' D A @' C-A'E-> @' +-'B-> @'EG' J
E2' JJ, @D' +-' +@ ,+BG' -C' A D - '?@+B-D'
- ' ++ U A .' -C'D@ +C-G A.' -?@+B A.
A>& ') ' !$ $' 8) (' , 'LP' O@' ?G'@AD'
B +' +' ? G2' ' ?' -E, .@D2' EG' +BG' J@A@+C + -A2' C -A@2' +-'
JC- @@D' EG' +B@' J' $>O$' 8 1 '#DG ' 'L;Q' S@? J+'
-C@ @C' C- ?' +B@' J' - ' .@' SK K')' B 7 ' ' !'
$! '8@D' L('R# 'B- U' - ' J U,@D' J-CU' AD' 'J AD' -'
SJ@AA)' >. C2' -A @G@D' EG' G' - ' J' +-' >AD@C? A@' +B@'
C+>@' - '-A@' - '->C' @ . +@' A>A ' ' A'
& $ ' S 'L<M +)' ' ? J,G' A'@AD@ ->C' EG' ,- ' J' +-'
@ U@A' +B@' >+B-C +G' - ' -?@' - '+B@' C +@C' - ' + ,@' @ '
@ + ?@A+
i' ' ;; $' %(
;Q<=' B . . 3 ' 5&' $ 0' 'LOQ' 7 +@C' ? G'C @2' @ +B@C'
EG'C>AA A.' B AA@, ' -C'EG' J' -C' J@C -, + -A2
' - @C@D' +C@A B' ? D@' -C' +B@' J>CJ- @' - '
JJC- B A.' 'E@ @.@D' J, @' +?D@C' +B@' C@' - '+B@'
. CC -A' < "5 *J @@' : ! %' ** ' ' ='D
A%&A' L 'C ',0' ' E 0 ;; '8@D' O(LK A' +B@' AY
+@C ?' '! JJ' 'E@ .>A2' +B +' C>AA@+B' +- CD' +B@' O>, CU'
MQO' #' ' +C2 $,D) >' ' ! 0' , 0' =K 1 - >' >+' '
+C +'%B AA@,' "2' -??-A,G' ,,@D' ! JJ@2' +B@' +B-C->.B' +B@'
->+ EC@ + -CU2' +-'+B@' @CG' D + B' - '+B@' 5-C+ + -A' ;MQ='
, ' > 'e' P;' " ' -,D @C E@. A' +B@ C'
JJC- B@'EG' J ' OMKQ' #') '6 ' ' '8 ?) $'
L=' B@' / >U@' - ' -CC A' -CD@C'D' ' , C.@' ! J'+-' E@' ? D@' A+-'
+B@' / + B' OQNO' ! 0' 0' ' $, .(B@' 7-CU' +B@'
O@ @ .@C ' CCG' -A2' @ +B@C' C@AD @ 2' # ,@C+@ 2' ! JJ@ 2' -
C@@ B@' +-'C@D> @' 'J, @' OQKO' ' ", !0'? 0' 8@D' O(4'
)PO ;' B@C@' C@' @ @C ,' -C+' - ' J'I' +B@' A. ,@2' B B'
B '-A,G' A. ,@' J C J@+' +B@)'D->E,@2' B A.' -A@' -A' @
D@' AD' +B@' ,G A.2' ? D@' +B' . E -A 2 \ ' ;K;O'9 ."
L ; % N' A' >C' ' *0 8;KLK(4 'LPZ ONN ?@A' ,U@ @' -'
+B@' - @C A.' J C+G' ,,'C> B' C- ?' +B@'C .B+' - ' +B@' J' A+-'
+B@' , @A+' A.,@'#' +B@' - @C@D G' - '+B@'C @, A' O)L'
' "= ' ' < ( ) , "' ;N=' -' JC-+@ +' +B@
J C+' - '+B@@'C C->+' ' ,G A.' J' ' -A +C> +@D
' & ' 10H ' %& ' E ++@CG' +' +B@'B@ D' -'
J' "))J ' ' @' > @D' A' JJ A.2' +-'
,>' >J' +B@' J @'E@+ @@A' . E -A 'a' J) -CU'8 @@'
I>-+' ;K=<(' J B@ D2' +B@' -C@?- +' @AD' - ' ' J'H
J C- ,@C2' ' , C.@' . E -A' - @C A.' +B@' J B@ D'
! J B @,D'8 @@' I>-+' 021
SK -' $ $!' &'0 4 4 'LMK B@' ?>C' AD' , A+'
+- -U' +' D G' AD' D) ' E->+' +-' ,,.B+' 'd J' E ++@CG' O) '
:2' ! ' = B ' ! ' & %0' OOO B@' T J . -+' B '
' +C-A.' + U@' A' +B@' ? DD,@' A &A) ' 0' , 0(@+ 2'
T $*%& .(A' A +C>?@A+' U@' 'E- +' B- -U2' > @D' +-' J> B' -A'
' J'C-,,@C' A' JJ A. OKK=' !0' ' ' '4 0 L('A'
QP' -CD A.' +B@' . E -A' B ' +-' E@' J>,,@D' +#' ?D' +B@'
+C@A B' -C' J> B@D' G' C- ?' +2' B B' ?> +' E@'D-A@' @A+ C@,G'
+B' +B@' J -CU' OKQK' 5 '? .0' & %(e'LLO' B@'C +@' -'
JC-.C@ ' - '+B@' d JB@ D 2' +B@C@ -C@2' C>> , +@' '+B@C +@' -'
JC-.C@ ' - '+B@' @.@2' SK)' : ' ! ' = B. ' ! ' & %0
B@' B) D' - '+B@' J' ' - @C@D' EG' J C-6@C2' X'D'
, C.@' +> @D'. E -A' A>%S . '\' S ' !0' 0(
T $*'F ! (' +@@,'J, +@' ?->A+@D' -A' B@@, ' -C+B) J>CJ- @'
- '. A. ' - @C' +-' +B@' , JJ@C A' A. ,@' J
'8 J(2' "5' ^JC-E ' ' 1U4 !
+B->.B' JJ@ C A.'@ C, @C' A' ->C' I>-+ a' #A@' B-'
+>D @ 'B CD' -C' ' E -CE@D' A' E--U
OQ<K ' ') 0'C !& 0' =K "@' -E+ A@D' +B@'
B C +@C - ' >,@A2' -,D E,) D@D' @,,- 2' AD' J' OKOQ'
%#O 'C ! $-' ' 2 7 B@A' -A @' ++@?J+@D' +-' C@ D' &-J@' '
@D' T
@C@' ? @C@' J 2 E>+' +B + ' D D' ,,'EG' + ,@A+' 2 S) ' *0'
C) 1!0' , &&!' & - - 0 8;KM=('OK=' 8 + -A(2 1->' D-' A-+'
-A D@C 'E-G' B-' ' -A D@C@D' B +' ,,@D' J2'
,-U@D' P- A' >J-A' EG' +B@'C@ +]
8 @J(2 1C' ^!B-C+' -C' ' '
?J,@+-A2' ' --,
;KOP' '<)"' 0S, ' B@G'C@' J-C+ A.' +B@'D--C' - '+B@'
%> +-? B-> @2' AD' +B@' >,D' J' +' " X,@ --D " -> @'B '
-CD@C@D' - ' +B@' .> CD' SKSK]' &1' &"'S 2' "@' ? >A'@ A'
' +' J2' "'B@ D'A @'E@++@C' +B A' ' -XG' C- +@D' +>CA J'
OKLM = ' ' 8)' (' !' ' ;;'S ' / - 'G ->' +B AU +B +'
@' C@ > B' J' +B + @' AA-+' G' - ' ;KPO' $' '
&%' - 0 ' ;M= "@' C- A@D' B 'B@ D'E>+' +B' A-+B@C'
) ' B A% CD A ,] -C' +B +B@' A+' A-' ! J
- J'8 @@J(2' 0' ^ '5' $% '8@ C, @C' $** +' f'
+'O$**$ ('O$**$' @@' 1' 0' % ' ! J'O$*$ H
[0' 0' -' D .' ' J' -C' - @C@D' +C@A B' +-'
JJC- B' 'E@ @.@D' J, @'EG' ? @ A' - ' ' J' , -'
&' $*') *(&'(
OP<K - . ! N$**$ (+-'D .) 2' -C' D@,>@2' -C' .C>EE@' +B@'
.C->AD2' +-')' SM)' ' L 'C ' , 0' ' ! 0' + '8@D' O(
LK B@A' -A@,-. A ' +-' ! JJ' C-?' "' +-' ' 1 (=P +@C'G->
B @' J+' +BC->%->A+@C' B C @' OM=Q' ' !$
@' 0' ' '8;KP=(' OP< B@G' J@' > J' +- CD ' +B@' +,@'
OKKO '$' 1 . ' $'SS'=KL' 7 B@C@'
+B@' 3 >B ? ? D A'E@ @.@C'@C@ @D'E ++@C @ 2' JJ@D2' >AD@CY
? A@D2' +-C?@D

[illegible]

! J D,@ 2 '&', 32 0 ^0 D,G 1)N
!!) 5, ->C,@

SK S $!@C < $, 0 $ - -?@ B-?@
@SJ@ +A. -?@ ->CG ?@ !(AD +- AD -A@ I> +@ + +@,@
AD J D,@

9 $ 1 (^ 1) N " V ! Y
J D +G A 0 AD 6 0>+0

$%&0 # . < 0 5 - *0T 5 0 5 -D . @ ? A
C@ -A AD E , + @ +- J@C @ @ +B@ J DA@ @ AD C@,, B
- +B- @ -E*@ + SMK- . , * 0 - (O=M 7 @ @@
+B + J DA@ AD -, + , +G C@ -A+ +- D@A-? A +@ +B@
%BG ? + 3 @C >CG -C ! J C +

8) J @A (, - = M * G@A -2
= P2 ,0 9(K J @A 2 ^ #5 $* ', (D 2
$* ' $($* ' 3 -

7 D-?2>AD@C + AD A. 8 ,@ CA@D GA-AG?
- $ A @C -> > @ @@ @A @ O (

;L ?(E 0C0 O ;MOM J + +V-> B A H"" B@C+ B-,G
-AAGA.2 # J @A @ HL ,@ >, -:(@ +- B @
7. A O 4 =0 5-C B + ? D@ > G @C +- ,@ @ B@
B@ .B B@>@A@ #C , ?-A B J @A @ -C ?J -A B
+C@A.+B@(&) 7 & ' 0 & " H0 PKP= O>+ B A
?-AB-D ?@GA+ +B J @A @2 7B- -A D@C@+B2 + ? G
D->E,@ G,@ 9 * & % &&! 0 . 2
,, +B@ G@A @ AD ,, +B@ JG@A @- ?@A B ,,A-+ @S > @
+B@? & - *!0 ,& !0 =L JJ-,,-2 +B + +B@ J- @+
," +B@ .-D - J @A C & % - *& 0 <<
+ J- A+ - B .B ! J @A @ A +B@ %B>C B - $-?@ +-
B-- @ ^@+ a L%[0 A) & ' C &*& $!! 8 %% , & %
' ' & C$! 0 = +B + !>JC@?@ 3 +@C - O-, + ,,
! J @A @ D-+B @C+ U S 2 U A.
F>B @ J> @A 2 AD J @A 2 ! , C B C@ +-C@ AD
8 6 $)!) 1@+ ? AG 7 C@+ B A O@D, ?2 + ,,
B C ++>D@ AD ! J @A) - J C@ +B@ 5-,U +B + . @
B ? " 'J@A @ ' ') - *0 C $
! ,@A @ J @A @ . !%)! 0 T " -A->C
,, ?@A " -A@ - +B@ ? AG +@S+ - -?E A@D A + +G AD
J @A @ +B B B +B@ @ @ + ?@A+ E->AD ;<N;
%-$ - ?& $ ON 6, + ,@++@C C ++@A +B +B@ >AY
@CC A. J @A @ - A+

i E A ++C E>+@ - -D "@A @ JJ, @D +-
+B@ 7 -CD -C @ -AD J@C -A - +B@ C A +G 1 0

g ;LKK B C & >T C & ON # B- @C+>2 B A
B@ +AGA B@C+@ , .B+@2 %-A @G>@D +B@ DC@ J @A @
, ;=NN P2 & ' ?$10 O -D B + , +E A.@ ? D@ A J Y
@A @ $& O L = $" & % 0 O=Q B@ D >GA@
J> >A @ AD +B@ J @A @- ,?G.B+G.-D ;PLK C -
' ($ (PP E2 +B + +B@ .C@ +@ JC- ->AD@ J @A @
AD DG>GA@ +C>@+B - +B@ +B@C -A BG@ ;MNP # (
$ '(e S OQE2 ,, ,@ CA A. UA- ,@D.@ I> C@D2
AD ,, UA- ,@D.@ A -D -C . A ,, AD +B@C@ -C@ @
?> + ,--U@ -C + EG A-+B@C A ?@2 +B + - @D-?@ -C
J @A @2 +B@ C J+>C@ ,, + 8$ - 7B V $
,,! 0 ;NN "@C@ A +B@ ??@A @ ! J @A%@ AD +B@ !>J@CY
, + @ --DA@ - -D +- E@ D? C@D2

!J C +> , D-?2UA- ,@D.@- D A@ +B A.

+B@
WQN 7 9 7 !& ' &) ! ;MP= 2
C J+>C@ ,,@+B +B +B@ B @ + J @A @2 -D +- UA- 2 +-
@ C@2 +- ,->@2 AD -E@G (;P<K . ! ,0 $ ' 2
8;MNL(PK< @+ > A- @S ? A@ ! J @A @ -C +B + J C+ -
@D-?@ B B -A @C A+ A +B@ -A+@?J, + -A - -D
AD D A@ ? ++@C SMS= . 7 0 & ! ; 8;ML=(O4
B@ @ @ - +B@ ->,@2 -C C@ @J+ ,@ - ! J @A @ AD D A@
UA- ,@D.@

i $ -?@+ ?@ -A+C D +A.> B@D C-? *%) 3
', 8 @@ I>-+ (/

;989 0 % # # B , .B+ - C@ -A 8 ?> B
-A @CA@+B ?@A + -A (A-+B A. @, @ E>+ &C>D@A @2
@>@A J @A @ -C @D-?@ +B@ .> D@ AD .->@+A@ @
- J@ >, + -A 4MP4 ' $ 0 ; OO 2 ?> B
SJ@C @A @2 &C>D@A @ -2 ?> B !D@A @2 ! J @A @
5-C +B->.B @@ > > ,,G B @ -A@ A ?@ - 7 @D-?@ -C
+B@?E-+B G@+ +B@ +?@ D D , G@ D + A.> B E@+ @@A
C) ' $ AD , 2 E $ C E A. +B@ -C?@C +- SJ@C Y
@A @2 +B@ , +@C +- ! @A @ $ BB ?V_5 "$ - 0 8;MKM(
S+ ;PM 7 @D-? ? G D@A-+@ @ +B@C J @A @2 B E + -
UA- A. B + +C>@ -C JC>D@A @2 D J- + -A - B> A.
B + .--D

+ $ %-CC@ + + +@ AD *>D.@?@A+ 1 0

! %" B = . C 0 0 S ;N;K @2 A- @@ +B-> C+ @S +
- + +@2 AD @,@. A+2 - ! J @A @ A- ? ,, J C+2 ! A @ +-
@ B ?@ A A. ->C @ JJ,G2 AD & , +@ ,, *>D -> 2
S) 7 --- ' 0 5& ' 0 P=N 8 "@A@ .@ 5 A B(J@C -A
- -@,-I>@A+ AD ,>@A+ J@@ B2 AD - - .C@ + J @A @2
+B + B@ > > ,,G + ,@D +B@ A., B $- > AD +B@
A., B % @C ;Q<K B - 0 $ $ & ;Q=
B@ J @A @ - "-C @2 +B + 2 +B@ -CC@ + *>D. ?@A+ B B
C@ .> ? ,, G-> +B AU AD C +@

/ 6 @D D@JC@ + A.,G -C C-A ,,G 7 ->,D E@
D-?

, $J>& B &"!) ; PSP --, V@C .-(V@ B@ :V + ? A
- - .C@+@ J @A @ AD B@,D ,->@C ,@@ + A C@>@C@A @
= . *&!0 - , 0 7 U 4KP; OKQ B
J @ @ - J @A @ A-+ -C+B +B@ EC A - C> + +C@A B@C
B .) 0 ;;2 2 Q<= !+ C A. C->AD +B # , , U@
@ 2 "@ J>+ B @ A+- J- +>C@ # ! J @A @2 AD E@. A
+- E,> +@C OQK; 8 1 $ " P;< :> + +B@ J @A @
- A >+B-C' EC A !>..@ + + @ -C D A.'C-> +- E@ J, A
OK<L = . *0 $ $ ', N - 22 7 D-? +B@ C@ ,
C+ ,@ AD J @A @ +B@ B ? C+ ,@

B@ J- CGJB , E--U - T 7 D-? ' 1 0

A C C!& 2 - $ ' J CB > @D .@A@C , A ?@ -C +B@
T J @A+ , E--U " - +B@ O E,@

$J%J 7. C 0 C 0 + =Q ! - @ *V B@ >+@C AD)
@A @ E-)@ bLQQ 1 0 O ,, LLN !@ B + ! , ?-A @ +B A
! J @A @ E-U@ ;= 2 " ,! % ? ! (0 D A 2 "@C@
@AD +B +B@ E--U - ! J @A ;PL= = & - %0 $ 0 1 0
<< 7 U 44<< ; # +B C- @ J@ U@+E +B@ @ ? A A +B@
%B J+@C - ! J @A @ ;PKL & - ! & $ & ' . 0
L=P E2 7 B@C@ A @SJC@) >C+B@C A ! J @A @ B- @
-D .@>@+B E @,@ + A AD@C + ADGA. - +B@ ?-+ -A -
+B@ B@ >@A

! J @A + 8)+J @A+(2 $0 AD 10 ^ #5 $* ' '
-C D $* ' 3 - @2 E @ ? A2 JC@ JJ,@
- $* +- B @ + +@ -C ->C2 +- E@ @A E,@
-C @2a $ B0

2 7 @ 8 ,@ CA@D GA-AG?2 A @C -> > @
A- -A,G *& 0(

;=Q; 1. & - *(!, 0 " A B? 8OMPO(S - #
+BG &CGA GJ,@ *) UG+B ! JG@A+ >GD- ;PSP .
!& 8;PQN(O E2 B-> B +@ ?@ >@D EG ->A @,,
J @A+ #>+ - B@,, ?->+B OP=< & - *!0 ,& (J + P B +
? + J @A+ JC A @ B-A@ - +IC A 5900 .. $ (
2 8;KO=(LL= A ! C J+>C@ E@ A-+ ->A+@D J @A+
+B + E@ -C@ E@ E> ,D B-> @ ,, A-+ C + ->A+ +B@ B C.@
- + $ > = . C(0 L ==0 7 B@C@ +B@ ! J @A+ 9 A.
"@,D D ,, A @ +B B C@ .GJ+ A !J-> @ OKN<
7-$/!7 &' '0" T !$! 2 $ 1&& !&' !$1& &)
) J @A+ @C? AG ?> + "@ D@JC@!+ O@A@ +B +B@
C>+ , -CD SKMK 76 $ ' > '% '& 4=< A-+B@C
G ?G J @A+ > D@ -AD> + ?@

/ A- > > ,,G &' ,$!0

$;QKL ,&'& - " ; L -C +B AU -?@ 3 @C
@A+ B J @A+) ;QK= 8 1 $. ;; PL; - +@,,
?@2 D .A @D AD J @A+ ! C) ;Q<N B 0 0 LLQ
B@ @ -A-?G B B B E@@A A+C-D> @D EG +, @ C+>->
AD J @A+ @?E,G ;KOL H5ESL ?. 0 $ '
+B AU @@ +B@? + +B@ C -CU] +B@ @ J @A+ +C->E,@
+-?E SKKM &' & % $ $ 20 5H ` B@A +B@
.C->J - -?@A + +B@. +@ @J C +@D +B ? AG J @A+
-??@A+

@ " A. UA- ,@D.@ &%(C@ &%0 $ 0
;QK= < 7) $ $' ;; LNM B@ B@CD 2 J @A+
- +B@ -? A. +-C? A +C--J - +@

/ 6 @D A +B@ -C . @A @- $* " A.
+ +@ -C ->C2 >J? 1 T b
;P<< ' B " - ' QP # @>@C @ >E + A @ J @A+2
+B@ J-C AD +B@ + + +B@ ?->+B ,, +CG +(B , +
O 10 ^ f $* ' @ ? A2 .@ A
, +@C > @ -A,G B&,)!$!"0

4P=< & - *!0 ,& 0 _) ;=O %-A -C? AD + , A@ DD .
- A@ - +B@ @>GA J @A+ ,6+ ? ?> J>E, A> 4!<L
8) " V ' > $ 0 8;K=;(LK 3 C+B2 A @ -A E,@
+ ?@ + U@A2 E A-+ -CE DD@A EG +B@ > +@C@ + J @A+ SK--
7 9 ,$,& &'4;98#+ S V "@ ?> + E@ A A+ I> CG
+B @ +-C A "E+-C A +B &,>+ C B2 AD ! J @A+
+B % +- ;KLQ > & & 2 T !B@ AA D-
+B + D A-+B@C J @A+ - +B@ ! ?@ JC- @ -A

+ 1 -A > -A -C ? C + A. a
$ S=--C!# ! 5$ ' 1## & A B@ +@D@ EC+B@ E@ ,G @
+- ,@C@ + :V@ ! -,) -A@ +- J @A+ E ? @, -
@ D@ 1 0 OPOM J C@ B D ,L+ - J@ @..2 E J @A+
)1!0 0 J @A a B@CD@

! J @A+ , 8 J @ A* ,(2 $0 , - P JG@
-G ,,2 Q J @A+ 6 ^ 52 $* ' $!(-C D
@ , 0 $* '! !3 (%0 $* ' $ 1 V

O@,-A. A. +- -C B C +@C X@D EG D-? @!J
E@,-A. A. +- +B@ D-? - -D 8 1 E(
, ;=KP 1" " (8;KKO(KN 5-CG->C +I (G@A G ,, G++@
. G -??@AD -A ;KPK, >> A) 0 1 "((
K $' , #5# !-?@ D +A + -A C@ ! B-, + , -A@,G2 JD
-?@ C@ ! B-, + , AD J @A+ , , - SKK. L 0
% 3 A E@ A. ? D@ + C + +B@ +>C , AD ! J @A+ ,
? .@ - -D ;MQP $ 0 &!0 ; O 6 AD@C -D
! J @A+ , - @CA ?@A+ - +B@ 7 -C,D2 ;MKN :
, & ' * ::MKL(;M -D A D- +B + B@
J,@ @+B2 EG J @A+ , 8.- @CA ?@A+

/ J +B@+ - +B@) D-? E--U - +B@ O E,@
8&C- @CE 2 ,@ +@ 2 % A+ ,@ 2 7 D-? 2 ,@

+ > (, - JJ, @D - +- U ADC@D C + A.
->+ D@ +B@ A-A ^! - A @ , AD 5C a

;PKK . 80 B-J (A+C-D KE B@ O E,@2 - D >@C
A +>C@ 2 -?@,@. , `2 -?@ E +-C),2 -?@ J @A+ ,,2 AD
-?@ JC-JB@+ ,, ;KQL # 9 .),(PN @+ B A+
, - C@ I>@A+,G C@ D -?@ J C+ - +B@ ! C J+>C@2 AD +B@
" +-C , AD ! J @A+ , O--U C +B@C +B@A +B@ -+B@C SK)
7) I 5*& & 4 LPK B@ ! J @A+ , E--U A
+B@ J- CGJB XKK - $!" 0 : OQK B ! J @AY
+ , +@C +>C@ - ,@S ADC 2 C@JC@ @A+@D) +B@ E--U -
,@ + I AD 7 D-? AD A +B@ C + A. - &B ,-

"@A @ ! J @A+ 6 G $ 0
$ &[9 8 + L D

! J @>+ -> 8) J @ A* (2 $0 $ 0 ^
$* ,' 3$ i -A a %B C +@C X@D EG J @A @
SK) #)) &1 & (S <N 3 AG J @A+ ->
D@ , A + -A - B B@ D B D +B@ J@CJ,@S@D AD E@?> @D
@D +-C SKM- 9 8 +@ D

+ ! J @>+ J - +@A +2 $0 1 0 $ 0 ^ D
$* ' *& ' 3 -($ $* ' 3 1 8-C $* ' $

1 D J- @C >, a 3 .B+G A D-?
, - $1 &!0 10

;MPM >N $ 5 < & & (($* ' *A ' (? .B+G A D-?
b ! : ((**0 ; OP > BE &C-.@AG
@C@ +-, D @A@C + -A2 +B + +@D EG ? A +C@A.+B2 A-+
EG J-, G2 E@ A. E@,, J-+@A+ A-+ J @A+ J-+@A+

! J @A + X @ 2 '&', 32 T Y" U V $ ' 0 -
? U@ J @A+ -C @

)SKS- .) 7 A 0 - (84KLK(O;< C>,G
@ A.@, , G- J+@A+ X A.% , A' &! $1 ! ' * $
EG ? U A. +B@? ' * $) D) $,$, - 1 $
' &! $ '

! J @A+,G 8 J @A+, (2 $ 0 C) a A
J @A+ ? AA@C2 @,G - > > ,,G C-A ,,G f
+B JJ C@A+ -C ->,D E@ D-?

;=QQ (0 !, (A B? 8;MPO(QQ &, +- C-+@
>,, J @A+,G SKSK : \ 1 ' & - &!(8 KSK(SS,
LKO 5C-? B@A @ B@ @CG J @A+,G -A ,>D@ 2 +B + A-+ +B@
+ , E>+ +B@ ?->+B ?> + E@ +B@ C -C. A - ->AD OKQL
7 < 7 ' - $ % ;;O - .- @CA?@A+ AD A-
!+ +@ ? A B @ @C G@+ D C@D +B> +- >JJ,@?@A+ +B@ A D@Y
I> G - J@C -A , J +C -+ ? EG , - J @A+,G D@ J-+
;KK = ! : ")) .. C ($! > <$ '3C$ " ;K<
!+ ,, JC-J@C+G E JC-J@C+G2 C@? CU@D 3C OC C+2 J @A+,G

+! J O, 3\ , - P M ,GA2 Q A@ ^ #5
86AD ?-D 5 ($* '(D $*-) 0c] U AD -
C -C J A@ 6 > ,,G $* ' 0

4LLL = !" $, (&!! 8;<NQ(=Q A SS CE-C,E> D@
J A @?J+ JC- + .GA..2 O K - ,$& O L & ' ' &%
" ' & ' S O=O2 ,@++@ AG? B@C@ EG +B JGA +C@ SW)
< 1$!! S 8;PO<(O *2 . CGU@ A @S C@ @A
+B + .C- @+B AG.B@ +- +B@ C-+@ - JGA +C@ ;PKP
9 7 C , &!$% 0 2 B@G J>, C-? +B@
D ! J A .C@ + E>AD A @ - C- A ;MN= <Y V
T ,& $> 0 ' 055 50 =NL 7 B B +B@G D @D E, U@
+B +B@ > A@ - J A@2 -C CC@ +C@@ 2 -C C- A@

! J AD @-A 8 @J AD)* (2 $0 ?& 0 ^
?-D $* ' (+B@ +GJ , .@AA - +B@ -CD@C
@@ % ##!a O@,-A) A. +- +B@ # $* ' $, 0
;K= ? ' ," , 0 , *0 *C= $! J AD @->
+C@@

! J A+ > 8 J *) + A(, - ->+ A2 >+ A.2
>+-A. ^3 , G *) $ ') ,D -S H * -S2
& ' ,D 7" B 7!V ? ,, ,D -S
- %@,@E@ 2 '&$ 8-C ?& + * ,&- 0
;KKK $ 0 ?0 ' 0 ,. *(LOP B@C@ D @,,
+B@ $* 0) '' -C T ,D #S (LL= B@ ,D -S2 $* 3
%) ' 0 ;KM< $ 7 + % $!$" , *(=;= #A
+B@ C G +B@G >.B+ G->A. ! J >+ A AD @ J .

! J , + , - Q J+ , +B Y 1 C) + = a
, +B ? D@ - J --D

4LPN A $, @ G & ' 0 %N + KS m , - L----, J, +B@ 2
^) @ O J@C +B-> ADa ;=;P A & . ' $1 ,
&! 8!>C+@@ (LP A ? J, +@ @?J+ D@ :-B AA@
O +@? A D@ -J@,G 2 P S-D 4=O4 1 0 == A ? ? J
, ++@ @?J+ E @-D@?2K 2 OPS= 0 ,,0 (6& ' > & *((
- 10" & GD -C *% - @J , +B $/>> ' % 3
!$ ' S 8;KQQ(OLP 3 D@ + B@C@ AD +B@C@ +B
J, +B ;KL); A ! GA@ $))) , 2 0 ,,0 8;K<M(
;<O BC@@ B>ADC@D - ! J+ , +B@ 2 O LD OQMM & - 1 (
$ - $ ("@ C+ - - U2 J , +B 2 AD D@ , , +B
" (. * $ 0 , $ ' , M S +B C@ , -
D + A.> B@D A+- B@ C+ AD J , +B 2

+ ! ?J,@ 1 0 $ Y 0 ,+@C@D -C? - 1. 7
O) g) 7 , !!$ %$ - 0 OO2 "@C EC@ + 25C-A+
B@A @ B@C C?@ D-- 7 @@+,G JC@D U@+ -C C@ EC A B,@
),@ A +B@ !JC?.2

! J,@ 8)@ J,)(2 $(^ 1 P)2; E I. V
6 J, A+ 2 --D2 @+ / @ + +>+@ - J DCG2
+B@C@D

!J Q ' 0 - 5! . 3 $A &G+B ,@ @ C?@ 2, U@ +-
7 +B@C@D A@2 B + DC->J@ B JJ@ ,@ @ OC A B@ +-
+B@ .C->AD :MQK " S S7 $! $ 0(%% & '
8;KLK(OO= 5,- @C +B + A >A B A@ C -+ + ,, / G@2 -C B@D
AD J,@ ;QML C& " A ' ' 0 0 OOP ! J,@ --D
E>+ ?) @ E, X@ ;QKM +C ? ,.%& $. 8SKMK(=M
>?? + + ,, +B@A B D A@ @C E@@A - @C@D E>+ +B
J,@) +B +,@ AD @CA SKSK ..) $' $' !!
=L U@ J,@WW ,@ ,@+ 5C-X@A >J-A /@ @?E@C' E->.B
OK<= 9 . $ 8&B , D (MS O>+ -,D AD T J,@ +B@G
^+B@ +@ ,@ @ (,, E@ ->AD C->.B AD T B G" +- +B@ +-> B
% * T $ "# : 1$ 8;KQK(O< B@ J,@ !@
C>+@ - .C@@A@ G->+B2 AD J +B,@ @ E,- -?@ - ?J,@
>+B-C AC J@ +

E # - , / CG2 +B->+ ?- +>C@ , - E CC@A2
>AJC-D> + @

K = B6 \ $! > % - * 0 8;Q=M(QK DCG2
C> ?-, A.2 J,@ AD >A ? A.,@D C+B OMKP ' "
6 > $ 0 8;KQQ(LQ B@ @ C-.,-D +@ @,, UA- A. B-
, ++,@ D A+ .@ +B + .C@ + 3 -A C B ->,D .@+ EG @A+C A.
+B@ C J,@ %->A+CG2 -CA >,,G C@ > @D + OK=Q
C ! $- , 2 , @2 + @C@2 -A C- U2 E CC@A2 AD B@CEY
,@ 2 AD J,@ ;K<) .) 0 &, 0 - - & (
OMO " C@ + @ ? .B+ ,, EC A. , @ ->+ - +B@ J,@ 2
D> + - !B@-,

/ $ ' % AD% 0 # J@C -A U A. + ,
?- +>C@2 @A@C.G2 -C) ->C , - +B C@ @C@A @
+- ?@A+ , I> , + @ , U A. A B C +@C2 A J D
A/O = (!!$ ' ;;; OS= : ? A-+ J,@ @
-,D -C C@>? + U SK-@ $, ' %0 A O> @A
0 C 0 ,, ;MK ,, @C@ A-+) ->. B +- D @CA E D@)@C @ +
A B J,@ @ A@C @ ;K) 11 & - - (& 8;MPM(
MML !> B +B + ! J,@ @,,- & , ;= +B + ? G B @
DE J, A CG UA- ,@D.@2 E>+ A-+ +(A+> + @ * * , -
% &* $ - 0 ;KKN L ' 0 !! ' %!0 ;M A >AY
@SJ@C @A @D J,@ @ B@C A>++) > (
4 L=< - J,@ -A +B@ @C.@ - / @ +B B@ + AD OKLO
D" !!$ -M "@ C G@ +B@ E, +2 7 B- @ J C +
B U@ +B@ J,@ E-A@ # !, @CG $ >J # 8 C!$ &
8@D O(LL B- + AD J,@ B D@ 2 AD +B@ C@ + -
+B@ C C+ C A A-?@A , +>C@ O<NL $!" & ' 0 L; # +
L O A +@A G@ C B@ C @AD,@ 2 2 B ,DC@A J,@ AD
@A + @2 B @ ,-A@,G

E # .@2 @+

A/OA ' ((= 7 B@A J,@ @ .@2 AD
@ U@ A E,@ ,, ?E@ !B->,D EC A. +BG 5 +B@C +- B DC--JY
A. %B C@ SMSK) ' $ 0 & $!(SM B@ @> ,,
D G@ - U,G AD J,@ @ -,D .@ A &J &
K) " ;M B@ + C A. @G@ ., X@D - @C +B J,@ D G
A & 8 .. $ 0 L;K -?@ B + J,@
-? AB--D

?? +@C , +B A. 2 D@ 2 GA. 2 @+
/ @ + +>+@ - AA@C -C+B2 A J D2 +C ,2 J- A+,@
SK- = ' &' &> 0 ; 2 O,- @ B@A @ +B@ @
J,@ @ *@ +@C A &J = . - , 0 S 7 U K C
" L;N &@ +C A. +B@ C B@ D +B +B@ J,@ @ D-+ .@ - -,D
& C AD ! , ? A OMK= " = " 0 ' D0 ONO +
+- ? U@ +B@ &C-JB@ G .> ,+G - ' J,@ AD > @,@ >+-
,-. @ A>JJ 9 .) , * 0 ' 0 LK B- @ B@ C+Y
,@ 2 J,@ !@C @ 2 B B B D A- -D, A@ A +B@??2 @C@
A-+ +B@ !@C @ B B -D C@I> C@D A I + =) $!"
C) (8;KPL(=NK B@ @ A.@, , JC A J,@ - +B@ $@ -C? Y
+ -A B D E@.>A +- D@ , A@2 A+- DCG AD J,@ -C+B-D-SG
, $ - " L< >. ;Q; O #,D +-C @ AD J,@ A@
D-+@ OK) 7 2 5 : * , & - 0 LPK B@ .C- +B -
U AD - D>,,2 J C + 2 J,@ , A.> .@ - @C +B@ -,D +- U
"@A @ !) J,@ A@
OKPO ?0HSN W0 &' ' 0 SS > e OL B@ .--D A +2 +B@

[illegible]

E ' A' .@A@C , X@D' @A @' F> , +G' A' C@, + -A' +-' A.'
+B@' @A @' - '+ +@
;MPN' B 8 ' ' . , - 0' ';N' B@'.>,,@+' AD' -A @G A.'
J C+ ' C@' ^A-+a' JJ@C+ A A.'>A+-' J-C' SMK-' . ' , * '
- 0' 'L<=! J->C' E@ A.' A' D@A+' -C' A' @ + -A' - '
? ++@C' +B +' C@, +@ '+-' ->C #C. A '- ' +' $>+&# ' '
50' , '0' _ $*& B , .' C$,! ' C@' > B' ' EG' +B@ C'
+ -A' -A' +B@' -A.>@' - -A' +B +' !@A + -A' B B' @'
,,' +@' -C' ! J-C
i' 9 /$0' 1 0' $ U 0 ^ ' 1 'N'' . V'
'-C' J@C+ A A.'+-' + +@' -C' T' J-C'
;MP;' 77 ' 2' *0' 6 ' ' 8' ? AG' - C@' +B A. ' C@'
+B@C@' B B' EG' +B@ C' J-C ,,' C>,@ ' B->,D' E@' ?- +' -,D2'
B B' A-+ +B + AD A.' C@' ?- +' B-+
[' 8 @J-CCBU(2' $0' $ (^ D' ?-D '
$*& %) ' ' $*& 3 -'H @@' &' AD' 3 2 ' %
5' $*& %D) 0H' T" A.' +B@' J- @C' +-' JC-D> @'
+ +@ '" 8_ (' ?J C+ A.' , ->C' -C' + +@
4QN=' ^ @@' 1 'Na' B 5' . !' $*& %,. ' > A.'
+@' ;QMK' ^72' .) V' %' '?(' '* .)E' '
44 'O;O' "@ , G' A +@D' >J-A' ' J-C B ' C> +' +-'
+ ?>, +@' +B@' , ->C' - '+B@' J>A ->' ,> D'
/ ! !) ' 56' &' ' ' 0
1!)!)4' ' @') ' 6' 1
;K;L' ' B '+C2'),) ' ' ' &- -0 J'SSS 2' B@G'
?-C@' C@ D ,G'C@ @ @' +B@' ?JC@ -A 2 B B2' EG' +B@' J-C A@'
A@C @ 2 ?C@' +C A ? ++@D' +-'+B@' @A -C >?
2' 8 @J-CJ +(' $ 0' ^ ' ?-D '
$*& & >E ' ' @@' A@S+' AD' 2a' B +' JC-J@C+G' - '
'E-DG' EG' B B' +' ?J C+ '+B@' @A + -A' - '+ +@
;Q<=' I ' 8 'N , '0' : ;;P' 6A,@ ' @' ? G'> @' +B@' -CD'
! J-C- +G' AD' #D-C- +G' -C' +B@ @ , -??-A' JC-J@C+ @ 2
B B' C@' J- @ @D' EG' ->C' -C. A' -'+ +@' AD' ?@,,2 AD'
EG' +B@' J C+ ,@'- ' J D' AD' -D-C->'E-D@
' 8) J-C (2' $(' $ (^ D' ?-D '
$*&) (' $*& 3 -' ' @@' 1 ' AD' -> a' # '
-C' J@C+ A A.' +-' + +@' B A.' , ->C' -C' + +@'
G @,D A.' -?@' U AD' - '+ +@2' ' , -2' .+@@ E,@' +-'
+B@' + +@2' ->CG
' $'S) -' ' ' 0' -0 8;MQP(' OKL' 7 @' C@ D' - '3 AA '
+B +' +' ' J-C-++' +-' ,,' J , +@ ')$>+&#' ' ' 5(
, '0 2 $*& &) ' C@' ' > B' O-D@' ' C@' J E,@' -'
G @,D A. -?@' U AD' - ' +@' B@A' +-> B'D' +B' ->C' +-A.>@)'
E>+' +B- @' +B +' +> -CD' A-' ' +@2 C@' ,,@D' ' * 0' S!S.'
' B S' +C'),) ' ' Q=K' @' B CJ' AD' * ..@D'
A' +B@ C' JC- .C@ '+@ C' B@' > @C A.' A@C @ 2 AD' .@' J-C'
->' ' C' ;KOK' ? $,. 0' $ 0' 4 ' L<N 7@' -? +' A-'
-, + G' >JJ,@?@A+' B B' A' -A+C E>+@' +-' > B'%>AA A.'
-?E A + -A' 'C@ >,+' A' J-C-> ' @, +G
, ' 8)J)>+)(' 5-C? 'M <' J-+@2' Q'
J-++- 'Q >J-+ 2 >JJ-C+@C2 JJ-+ 2<X J-+ 2K '
J-+ ' ^C@JC'!J' AD'&. 'O$*& '8 B@A @'52' $*& H
' 3@S A' O$*&!' $*&!0 B@' -C?' A- ' A' > @'
C-?' ?-D' + A a' $ B@' +C@@' , $' $*& $'
AD' + ' C> +' f' ' !'O' 8 @@' , -' I>-+'
;KKQ(2' ' ?-D A2' ' .@A> 2 +B@' +GJ@' - '+B@' $*& '
$, (A- 'C@ @CC@D' +-' , $(
' 7 B +@' J-+ 2'+B@' .C@@A B'G@,,- ' C> +' - '+B@' 3@S A'
+C@@' $ - &$' ' ! '=)' ,>' $' 0' (;K<P(' 3 ? '
?@@ J-+ 2' @@' = ' ' J
P /%' ' A' $.!) " >' &"0 8;MNN(' '=P=' B@C@'
C@' ? AG'.--D,G' C> + ' A' +B +'%->A+C@G2' B@C@- ' @' E >@'
A-A@' > B2' '&, A+ A- 2' >G >@ 2 ! J-+@ 2 >A ' ;M=K'
< 7 ' ' 0 =0' B@C@' @' B D +B@' &, A+ A2 ! J-++@2
%B - J-++@2 & A@ C> +2 AD' ,+' -+B@C' C> + ' +B +' @C@' +-'
E@' ->AD' A' 3@S -' ;QMN ' ' & (?&0 JJ'LOW
! J-+)' $ 0 ;QMN Q ' +C' ')$ '=' E!!&$>' &"0 8@D' L(
'QP' B@' J-+@' C@' C->AD2 E->+' + -' A B@' A' C >?Y
@C@A @' XKSS' & 0 < & T' ' ' 8 EC 2
@D' L(MMM B@' J-+'-C' J D ,, ' SK-M = ' '
& '6 (' &!! ' ' &' '40-[J-+ 2C->.B' AD'EC- A' ;KKQ'
7 '<)$ -$!$' B@C@' 'A-' , ++,@' -A > -A' A' +B@'
A-?@A , +>C@'- '+B@' J-+@'-C' J-D ,, ' 7 B +' '> > ,,G'
,,@D' J-+@' A' > +@? , 'D-@'A-+'E@,-A.' +-' +B@' .@A>'
! J-+ 2 E>+' +-' A' ,,@D' .@A> 2 > >? 2 AD' 'UA- A' A'
+B@' 7' AD @' ' +B@' ? ??@@ JJ,@ ' B@' J-+-A' -C' E .'
J-+@' D-@' A-+' @ @A' E@,-A.' +-' +B@' ! J-+' ? ,G2' E>+'
'& B C
E2' $ ' .((1' $*& $'*!) - "'2&& 0
;Q<Q' ' ," ,!(? 0' 8@D' L(MK O' BC ' -C' ! J-+'&,>?'
XK) ' !' ' 0 ' ' " '!0 '<=;' B@' ? +@C ,' -'
+B@' E@ ? '- '+B@' D--C' ' J-+@' --D2 $' SKK '' '
= 7 ' &' 10 ('&!0 OQL' B@G' >@D' J-+@'
--D'> > ,,G' -C', A+@,
8 X@J-+) : (2' $0' ?-D
$ $, 35' 8 ' 2' @@' ' ' # '-C' J@CY
+ A A.' +-2' -C' B C +@C + ' A '+B@' $*& $, 5('
' # ' - ' . ?-J@+ ,->' J, A+' +GJ @D' EG' +B@'
, $ ' 8 -C?@C,G' $*& $+0
$ &/' <' ' ; A' ' ' ,!0 > H(;QK ; ' !' % D'
0 $' *%.' 56' ' ' 0
AD,@G' '+@C?' 6 ' '$:1)' 6' @' 0 0 $*& $, 50
$ &%'), '! 0 V' 0 P<N
*1$ 'A1 !1)' 6'
*1$!::1'*1$ ' -E ' " '
*1$ 'A1 !1)' 6' &
*1$$1%%:: ' / ' 6 / ' 6'
i'! TJJ C8@' ' '0' 1 0 ^ '52' $**$ '8/@'
! > >C@' ;QK<' A'6 - !0' 'C " D) '444 'O;L(
/@'! > >C@' -J @' C-?'+B@', E@,'- 'B' J@ ?@A' 8C@ @ @D'
C-?' +B@' / >U@' - ' -CD-A(' ' + +@?@A+' AD + A.' +B +' +B@'
A ?@ ?@' C-?' +B@' C@ -CD' - ' +B@' E-C+ @' ++@? J+' +-'
AD' .-,D' A'! -+, AD' A' +B@' C@ .A' - ' ? @ ' ' ' +'
U.A -A 'E--U-'M;<2' & "'$&6<&!' " ' '
' ,&!$' '8@D' O AA +GA@'%,>E2 JJ' ?P' MQ(2' T+B@' JJ)2'
S@C@2 AD' A@@C@' +-A@' C@' ?@A+ -A@D' ' ? A@C ,' A'
-A'>A + -A' +B' B B' .-,D' ? G' E@' @SJ@ +@D' +-' E@' ->AD'
+' ' @CG' D->E+ >,' B@+B@C' +B@ @' +@C? ' B D' AG' C@ ,' ?@A

A.' +B@' D@ C J+ -A' - 'T' JJ C +-A@' -' A J' ;P' ->,D' @@?'
+-' > +' I> C+X' ' +' @C+ A,G' D-@' A-+' C@ @C' +-' G ?+@ a
)' : ' E))E/' 6' ! #A'
'D' : 8 ' ! - (0 8@D'O('ON<! JJ C@' %G A +@'
-' 7 @CA@C' SKM' ' 0 ;QL' 9G A +@ ' , -' ,,@D'
$**$" ' -CC>J+ -A' - ' JJB C@
! JJ@D' 8 @J+(2 **!0 $0 I ' 1' ' i' ") QV
6AD@C? A@D
;Q;M' < ' $' A' LK< "@C' J'D' 5->AD + -A ' ;K=N'
' ! ' 0 &*' " 2 "@C@' @C@' +B@' C-++@A' E@ ?2' +B@'
AU A.' C B2' +B@' JJ@D' AD' ?->,D@C A.' ,,'
! JJ@,GA.@2' '6 /' 6' %
! JJ@C')8L@J (' 56' ' i' &'H' 16 'G'
$*) f]
' #A@' B-' J ' * ,(' -,D @C' @?JUVG@D' A'
-CU A.' +' J 2'+B@' E> ,D A.' AD' C@J C A.' - ' -C+ Y
+ -A 2'+B@' @S@ >+ -A' - ' @,D -CU 2 AD' +B@', U@
B@' A-A -?? -A@D' - @C' AD' JC +@' - '+B@' AY
.A@@C' @C@' -C?@C,G' ,,@D' +B@' = &"$!+' $** ' $' '
' "'E>+' A' ;KP<' +B@G' E@ ?@' +B@' $-G ,' A. A@@C' 8 E@'
JC +@' C@' + ,,'>A- ,,G' ,,@D' $** 0+'
SM M' +C' ?&, ,$! - >' 2 8&) ' 'C&! ,. ' <O' B@ @' C@'
+--,@' E@,-A. A.' +-'& -A@C 2! JJ@C 2 / ..@C '^@+ a' ;M='
' L 'C ' ,(' !E 0 A' 8@D' O(LQ "@ -A+ A>@ ' +B@'
! J2 ' AD' +B@A' -,,- ' A-+B@C! JJ@C' JC@ @A+,G2 B-'^@+ a2'
SG+-' ' ," ,!(? 0' 8@D' O(4 'M<PO)' ' EC . D@' - ' JJ@C'
.@A@C ,,G' -A + '- '@ .B+' ?@A2' D D@D' @I> ,,G' A+-' + -'
J C+ @' ' AD' B, +' -A@' - '+B@ @' J C+ @' ' D A A.'+B@' J2'
+B@' -+B@C' ' >CA B A.' +B@'. E -A 2 A@ 2 AD' -+B@C' A@ @ Y
CG' ? J,@?@A+ 2 B-' C@, @ @' @ B' -+B@C' ,+@CA +@,G' SKSX'
9 .. 7 ' ? >C ' ' *0 8;KLQ('MN; ' ->,D' E@.'
+-' > ..@ + +B@' @SJ@D @A G' - ' DD A.' +-' +B@' A. A@@C)'
@ + E, B?@A+' ' -Cmb' - ' JJ@C' AD' ? A@C' ;KP;' 0
(&"(' ' 'e' O'Q' # @C' - ' A. A@@C 2 C@'
C@ +C?A@D' C-?' @?J,-G A.' !-,D @C' - '+B@' %-CJ' - '$-G ,
! JJ@C' AD' 3 A@C 2 '!@C A+' SKMK')!(' ' @'
- "' ' QMO' '>AA@C2 ! JJ@C' -C JC +@2 ' ' @'
? G' E@' ;KQ 'C$!!' $!!' <0 M' JC' K 5-C> @' EG' +B@' - @C'
AD' JJ@C' - '+B@' $-G , A. A@@C' -C' +-CJ@D-'-J@C +-A)'
;K<M : 1 . 7' " $'; QP' B@' -CD' " @' C@ +@D' +B@'
A. A@@C2' "@C' 3 *@ +G' '$-G , A. A@@C 2 7 +B' +B@' C AU'
AD' J G' - ' ! JJ@C'
O '$! 0 AD' &- 10"' ' $** 'D , (+ ' J'
J@C J>? J@C2'&', 32 22> @D' -C5' $*') 3*&- * '
' ?@?E@C' - '85C@A B(C@ EC. D@
KQM -1 ' Z' 3 ' !% (0 8@D' L(\ ' % 3'
' "' #A' + @' @C @2 A' @A. A@@C- @C' ' -?@+ ?@ '
' *3(@C- @C' ;K=;' ,0') ' $!' $*&! &"'
2 A@' ! JJ@C J>?J@C 2 +B' D ++-' ' ;K<=' /> ' = B
!1"' ' 8+) (' OKK ' +B@' JJ@C J>?J@C +B' +B@ C'
E@ >+ >,' ,>) 'B@,?@+ ' 4<N' $!"' 'O;' 3 G Q M '
+@,@.C JB' C' ? AA@D' EG' JJ@C' +@,@.C JB +
! JJ@C)' 8 @J (' , (^ ' 1' ; Q N"' :
' +-- ,' -C' >++ A.' G')) --D' 8 @@' I>-+ (2'
S! ' - (" - !(' ,0 ' ;=Q' #A' +B ' B)+'^- ' 'C-+ CG'
? B A@' C@' +B@' ' AD' JJ@C B@' JJ@C' B B' C@'
C--U@D' J @ @' - 'C-A2' +@@,'@D .@D2 ' >+' +B@' J'- '+B@',-.
;K<;' ') , 0"' $**' "' ' B @,' > @D' A' -?@' A.'
? B A@' +-' >+' G' J --D' AD' C@D> @' ' ,-.'
+-' ' G, ADC , B J@'
! JJ@C' Z8 @J *(' &' ' !$' (^ ' 1' U ' i'
$' :' #A@' B-' T J " -C' +>D @' E CD
;KOP' % ' 3 ' 9 ' 0 * " 8;<NQ('R' &,@ A+'
,@ @C' " +C@G2 AD' C@ >,' #U@ 2 AD' +B + BC@ D' JJ@C'
C@@A ' +B@ @' -C?' B ' , '@ -C+' +-' +B@' ,- +@C
'! JJ@C? @>+' 8 J C?@?+(' '(^ ' $** 3'
- '(-CC>J+ -A' - ' $. $- ' & 0 ' A'
- +B' J>+' A' +B@' ?-A+B' - ' @C? A' J@ U@C
! 2' '<'"' 0SSS ,'T B +' -A'+'J '3C '% J+ A'
T B +' +3+C J 2 3C' :> + @] JJ@A +@A+," S L']'
A) ' '' 0SS 2'! JJ@C?@>+] B +' 'BG' CG' +' ' ;K<='
/ -' = ' !1"' ' '8;K<P('; NM O>+' G->' C@' A-+', +@A A.2
)J@C? @A+';
- JJB C,>@2' -E 2 -C?' - ' 16 '$0
0! JJ3 '8) U('$0 AD' 10 , -' M' ! JB U2'
! JB 8U@('M K'! J8J(B U2' Q'! J8J(B >@' ^ '
5' $* D) (H $** D) ' 8 M+B' ' A' -D@ C-G(2'
D' ' $** ,3) (' C'! C)+ -C a' ' $ B0 # '
-C' J@C+ A A.' +-' ! JJB-' 4 $ d* +(+B@' ?->'
J-@+@ ' - ' @ E- ' 4,'888' ' (' 0' @J +B@+' - '
+B@' ?@+C@' 6 @D' EG' B@C' 8 @@' O(
;PN;' B7. 'C$ 0' &'0 ' 2 3@+ C' JB U2 AD' , -'
@.G. @' ;PKP' '9 7 '+C' ' , &!$"' ' &"(' ' S'=0'
!B@' A>@A+@D' +B@' @C' B B' +@C' B@C' A ? @' C@' ,,@D'
! JB ' SM M . B ' <!& & 0"' $** D) ' (;QNM'
')6)' -*!') 0 2 ;NN , ?E U2 AD' ! JJB+@U'
@C @' 4KQ4 C) 1! , ' ,.0' $ 0' < $ -0 =Q0 % +>,,> 'B '+ -'
! JJB '#D@ ' ;KQ' 3 . ' !"' $ '8;KK=(<Q' !B@'D'
+BC- '- '-D@ 2 . A2' B- @', - ' AD' ,C@' @C@' ?-C@' +B A'
! JJB
O ' 10 '?@+C@' > @D' EG'! JJB-' -C'A ?@D' +@C'
B@C' %B @ ,G' @C @' C ++@A' A'+B@'! JJB ' + AX
< $ '$** ,'H ',-. -@D 'D + B'- ' B B' +B@ C +',A@'
' #' AD' +B@' @ -AD' 8+B@' C@ +@C'! JJB ' @C @(
> ']S ']';']G' ' $** ' ' ,-.D-@D
B@AD@ G, E,@' +B' D +G,' A' +B@' +B CD' J, @' #'
B@'T! JJB ' + AX' ' -A +'-'+BC@@' @ @C
! JJB '-,,- @D' EG' A' D-A '](
$';PKM) ' ,$ $'a'8;P<K(QK [@,? A@?' +--U@' ->+' - '
B 'B AD' +B@' >+@2 AD >A.' +A@ @'! JB U@ ' ;PKM 7 '
!0??' ' 0C& '= 10' 5-C' +CG ,' -' B B' 'B >@'
+>CA@D' +B@' A@7'&-@+ ' @@+@' -A.'- ' , X' ' A+' > B'B-?@,G'
! JJB U' ' ' ->,D@' ' ;M=P' 8 . 0 8;M)N('PN
@' ?@',@ @'+- ' ,>+@' G->' C+ A' +B@ @ @' JJB ' ;QLN'
8 6 ' $' '6$,. &'> 'C ,) "' - ' . @'> ' '/@ C J+ -A'
.) JB U # ' / A' ' , C.@' - @2 A' ?-@C A' ! JB U' SK)'
B B ') 0' $), ' ' =< >?E@C A.' B@S Y
?@+@C' AD' D-,-C-> ' JJB ' -A @I>@A+,G' ? ')' +B@ C'
JJ@ C A @' ?' A., B', +@C +>C@
' 8 +@)*(' 5-C? ' L M' JBGC2
L Q' J, C2' = P' C8@2' 8X JB C@(2' @C8@2' = M

I @C8-2' GC8@2' JB@C2' = Q' JBGC@2' = K'
JB C-2' P') GC2' , C@2' @ C2' 8 ->J2' + C(2
P M' ,(JB@ C2' M' JB@C@2' JB @C2' 8 + C@2'
$ $5 "' >C@2' ,0 > C(2' Q' JJB@ C2' ,0 @C2
K <' JJBGC2' K ' JJB C@2' ^ '#5' , '8;O+B'
A' ++C)(2 ?-D 5' $* '8&C' $*. "' $% (!J'
O$%%"' O$% &"'&. ' $% $"' O$% $"' +' '$%% &+"' D' '
$** 3) % , -' $**= + '8E-+B' @CA (2 ' C'- C'
=Vq J- 2 @CA 2 D' +-' ?@ A', J ', X>,'8->C' JJB C@
E@ A.' J@CB' +B@' \&"' ' "$, ') ('JC-E' '
-?@' \ ? + ' -C? 2 ' "@EC' K) ' $** "' C@AD@C@D'
$ d*g *&"' $**) ' A' +B@' 4 4' AD' >,.
B@' -CD2 B- @ @C2' D-@' A-+' JJ@ C' +-' E@' >,+ ? +@,G' - '
!@? + D' -C . A' ' "@E' $**!' ? G' C@JC@ @A+' A' @ C, @C'
T $- * =, (:@ B' $- $,' $- *! ' +(-?@' B-, C'B @'
-A*@ +>C@D' +B + +B@' ->C @' ? G' E@' !UC' %&' * " $' 8, +
'D@ C' +-' +B@' J, A@+' ! +>CA' '(2 +B@' A ?@' - ' -?@' D CU .@?2
J@CB' JJB C@'-C' ?@C ,D' B@' &@C ' $%% ' AD' ?-D C E'
*$B ' ? G' E@' C-?' C@@U a
' 'JC- -> ' +-A@' - ' 'E@ >+ >,' +C A J C@A+' E,>@'
+' ' ' C @+G' - 'A + @' ,>? A ' U A' +-' +B@' C>EG
$'5 B0' ') ' &"';QL' A' A0 ' ,0) ' " +' J@U +>' - '
@AG' +-A@' # ' J@2 - ' JB C2 - ' CD-A@' ;L)' ' !! 0
PMMQ' 8O-D,2 3! (2! ( )' ! ? C .D@ ')' 3 C. C+@ ' ;L=N
' '1(KO ' G' @A@' V - ' ' ,@ ' B@+ B + EG' ' C' ,';LKM
B ' &' '=QK # '$>,A@ 2 JB C@ '= (0 @CG 2
@C a2 AD' - 'J@@C,@' B +@' 7 @C@' ,,@' B ' ,- +B@ 'EC->D@D'
J' AD' D->A' ' ;=LN') 7' '0' C& - '8&@C G' !- (' ;P<
VM-C@' ? A' JC->D' ' , + -?@AD E,@2 -C' ' GC' JB C
@+' A' ' -J C' CGA.' ');=PN' <) "'% $ 20 8% (;;=NL' !-?@'
@C@' - ' - C' A ' -?@' - ' C) GA ' ,';=Q)' $' & ! $'
=M= 7 +B' + AW - 'O@C+ ,' D@ C2 / G ?->A+ ' AD' ! JB@ C'
;P)'?) "' !!'8% ?D@A(' ;=P' #-A' .-,D' C,A.@')' 'W @C'
;PKL' $- !E$' 7U '8 C- C+(' 'MX B->.B
&-, J@' A >A.@+B' -,->C' @>@)'B->C@' 'G@+' +B@' ! JBGC@' 7"
C U@' E@ -C@' +' -A @A+' +-' D ,-G ,+ @' ;P<Q ' & >'
&-*!0 OSP B@' B@ >@A' B@ D'! JB C' 4\ = F B . ' & '
&' '0 /) ' &-@? '8;MLN(ONN 7 +B' @ A@ 2, U@' ! J, C@ 2
AD A.' A' AD' ->+' ;M)' 3 . ' $ "'#@ >. 2 "@C@Y
J-C+@D' JC-D .->' D@J+B' - ' 8@2 E,@ ' ' JJB C@2 AD' '
+C A J C@A+' ,GSS' 1 ' -*0 $- '#R# OC .B+' X>C@' C G'
C-?' @,G' JJBGC' +C@ A>' ;KQL' 'C 0')!'8;KQ=(
;L' B@' UG2' W 'E,>@' AD' ,@ C' +B@' B@ C+- ' JJB C@
c1('(6 @D' ' ' .@A@C ,' A ?@' JC ,,' +B@'
JC@ -> '+C A J C@A+' C @+ @' - 'A + @' CG + ,, A@'
,> ? A 2 A ,>D A.' +B@' C>EG ' -,->C,@ ' C @+G'
,,@D' 2 ' -C' 2 $% ' ,** 0
;MMK 9 . ' $!' $ 0 9Z! JB C@' 7 B +@' M<K -
, 0 0'* ' $' ' 0 O;L' B@C@' C@' +BC@@' -C+ 2 -A@' J@C @ +'
O,>@2 AD' @CG' B CD B@' @ -AD' J@C @ +' 7 B +@' AD'
@CG' B CD ' B@' +B)D2 ,,@D' 7 +@C ! JE C@ 2 C@' - ' ? ,'
+@@?2' E@ A.' A-+' -' B CD' '+B@' -+B@C2' AD' -?? -A,G' -'
'D@ D' 7 +@C B' %-,->C' ;Q Q =;' ' " ,!0 ' 2'
B@' - +' +@C JJB C@' - 'O-B@?' ' AD'!,@ ' C@' - '-?@'
- +A2' +B->. B' C' A @C -C' +-' +B@' -C @A+' ,' -A@ 2 A' +B@'
EC . B+A@ ' - '+B@ C' E,>@' ;K < 86B)' ' !0 -10 &'
60'&%, $'8;KL=('ON; ,, '+B@' C@+ @' - '+B@' JJ+>C@2'
' @,,' ' +B@' J A@ ,@2 C@' ->AD' +-.@+B@C' ;KL=' =WI B."
' 0%+ b 3 @D' (' B@' C@D' JJB C@2 -C' #C @A+ ,'
C>EG' KKK ' ," ,!0 ? 04 'LKP O 7 B@A' J@C @ +,G'D@ - D'
- ' -,->C2 + B) ' C@' ,,@D' $ '$** 0
($' B(AD% (
;= ' ' 3 ' 0 C& - '8;K< (QN' DG2' +@J+' C+'
)?-D C' -'?@C G' 2 -E,@' JB C' ;MS=' B ' 6' ' 8 '
C& - ' '!-AA' B- @' G) 2' +B- @' J CU, A.'! I) B C@' -'
/@, .B+' ;MMQ = . 'C0' 0 'MNP' - ' .,- 'D' +B@' 5 CY
? ?@A+' 7 +B', A.'! JB C
D' B@' J>C@' EC .B+' E,>@' - '+B@' JJB C@
SMKM <)' ! 0 ?& '.'3@;=' "@' ^+B@' ! >Aa' EC .E+@+B'
+B@' C' A+-' ' B@ C C ,' ! JB C2' KSL' & $ ' 2
A'B ' @' A' ? ,D@C' + A+ '>A -,D' B@ C ,-A.' CC G' -'
JJ,>C@' AD' - ' .-,D' SK ' $) ';'S *+ ' 2 +'
@@?' ' +B +' +' ++' B JJG2' +B +' +-' ?@' ' , @, @C' @?@C ,D'
+ AU,@ ' A' +B@ .C !2 ' J>C@C' JJB C@' ?@,+ ' A+-' +B@' @
@ '? (B)' + A +>C@' E,>@' #C' X>C@2' A' E, X-A A.'
EG' +B@' A ?@' '#'JC@ -> ' +-A@
;PM ' 7 ' - & ' ;#' X>C@2' B- @' JC@ -> @' +-A@'
+B@' ! JB @C' S ' ' :% $$' - ,& ' !'_8 "G' @,D@'
' - '+B@' W JB C@2' +B@' ! >AA@' ? -JC@' -C' +B>' " @' E@ C@ +B'
X>C@2' '!>AA@' D'#C' ;QQQ' ! - 0' (8@D' L(;N<
& C+G' J@C' ! ,+ @C' ! JJB C@' AD' &@ C,
O' 'A ?@' -C' @C+ A' B> ? ? A. E CD
5N >' C ' '" ' , ' 4 4 ' OQQ 0 ^ " > ? ? A . 0 CD a' B@'
! JJB C@' SKMS' < B.)' &, ! ' '& 'LLN) , * $!$'
< $" "0,>@ B@ D@D' ! JJB C@' 1 (L=0 "!&, $ ' $*3
') 0' '$@D +BC- +@D'! JJB C@
' $ 10 AD' & - 10(' $** 31!$0 (31!) '8 D*'
AD' E (2' ,&!&) (', &2 '( ) ('B 2 !(' ' (&')(
$** 3,&!&) (3) ($ ' D* ' i' JJB C@'
, -- J' 8 @@' 1' 1('L(' JJB C@' +-A@'b' @A @'
SQ!=' < ' C& ' '<< B@' , A.' BC-A@2' +B@' JJB C@'
E, X@2 7 B@C@' A.@, '+C@ ?E,@' B ,@' +B@G'. X@' 4QK 'VI '
< '0 " '&" ' ? ' QQP' B@' -C@' J C+' - ' +B@' A@ U
AD' EC@ +' C@' - ' ' C B') JJB C@ E,>@' SQ)' < 3..K
A C !0 $' 0 4 4 4 2' =ON2' B @' -?@' J@ ?@A'
- ' ' JJB C@ E,>@' +-A@' ;KKP' $ '
L<N A-+B@C' @ 2 - '+B@' D@@J@ +' AD' ,@ C@ +' JJB C@ E,>@'
4#!!' (' ' 0' , !, 0' A' B? '8;MPO(MM' B@' ! '
JB C@'%-,->C2 +B +' #C @A+' 0,@ @' $'S KM ' 2 %5$ $' 2
8!-?? @C@C' ;PO'E2 B@C@' ,,' +B-@' ! JB C -,->C)'EC--U@ '
' ;MLN' = . ' ' &!( ) Q' B +' >AD +>CE@D' !-A.'- '
J>C@' -A+@A+2' G' >A.' E@ -C@' +B@' JB C@ -,->C'D' +BC-A@'
;ML=']' &-) 'OM AD'. @'+B@?', @ @' - @' C +B@C'
! JB C@' C- A 2 ',;=LN) 7' ' '0' C& - '8&@C G' !- (
K B@G' E D' -A' E D@CGUG ' ,,@' - ' @C' B@ ;==M]'
' $!' C& - ' "' ' - ' CD@ ' @A' +B@' ! JBGC@'
B> @D' UG' 7 ' @ + CD' +@A+' +B' ? AG' $- @' $'$@D@'
L% J' B ' C! ' $ ' 8 M;=(' PQK' "@' -C@' E->+' B '
A@D @ ' JB C@' *@ @ 2 ';=NN ;P=K' ! JJB C@' ,--J' A'
1' 10' Oa' ;ML= P' A' ' ,0' ' '0 8" ,B (M #A@' ! '
LK' 5& 0 SS ' ;N ' ' @CU' - '
) JB C@' +C' CA' ' 5?0&' !' ' 55FO!'8;KL<(M B@' ,U@'
O,>@' ' ' JJB C@ +-A@ O%%>' = . 'C0' 0' 3 'QPK'

! J 7 C BC-A@2 ++, D +B J>C@ ? E@C Q=P M .B I
C& 0 0 LO " ? @, J* 'D jBj@Cj-A jBj+ j !j jJjBj+C@ j BC-jA@2
' = . 8 &=' [2 B@ JJB C@ .'D .-D
E I> N)' $@ @?E6A.+B JJB C@2 JJB C@
-,->C@D
')7 0 -)' JJ QL JBCC UG@ , DD@
C)'E@D G)+ - CD +B@ -A - *^`VC-?G G->A P)
B <&! 0 $ B@ C + ,, C2 +B@ JB@C C? Y
?@A+ $SM--= 7 ,(C0 SSS PP " C JB C
@ A 2 ,GU +BC@ D - ,U ;ML2N B 1 ' 8 !&2
%) & ' ;N B@ !>AA@ A+,G ->CA@G@ J " @ >@A JB C@
& +B ;MMQ = . C 0 2 OLQ " - C-? +B + ! JB C@
5->A+ +B@ C J@D OC--U $ A 7@ + C ;Q M 1 " 0
44 ;OK ->D C-? JB C@ UG B +B>AD@C ->AD SKSJ
: 0 * SSS 2 U@ +BC-EE A. + C !@@A
? D +B@ JJB C@ B@ @A D@@J C@J- @ ;KLQ . . 0
0 > O@G-AD +B + JJB C@ JC-?-A+-CG2 B B ?@A
A ?@ !+ O@@ 2 B B A-+ JJB C@ @ +B@C2 E>+ D>,, ADY
+-A@2 B@A -A@ .@+ ,- @ +- + S& 3 . =
0 8;K<=() A +B@ JJB C@ 7 @ + +B@ @ @ G@+ , A.@C@D
, @D A D@A-? A +A. -?@ A ? , 8 @@ I>-+ (
$%%& ' B $ $!0 $ 8;MMP(=N ! J3C ,@
- ,,@D -CB EC .B+ B A A. E,@ -,->C2 C $- *
&"0 =PP B@ ! JB C@ E@@+,@ B .C@@A 7 A. 2 +B
-,D ,- ;QK < '0 " '&* ? QQ
! JJB C@ ">?? A. 9CD2 SKM +#> / &,. E
& ;QK C &* $' - - ',. 0 @?? A U' ! JJB C@Y
A.

! JJB C@D 8 L CD(2 **!0 $0 $ 3> 0
& i O a & A+@D +B JJB C@ E,>@
;K N : ' 1 !! (! A -,D J +>C@ +@AD@C
%B@C>E A B ,D ->, +BC- +B@ !JJE C'D A E@ C
! JJ 3 C 8 BC U(2 $0 $ 0 ^ ! &&" $ 'C
a $@ @?E6A. -C - +B@ A +>C@ - JJB C@
$%+/ A' 0> 2 ;LN 7 A@2 J C+ U@+B @CG ?> B
- +B@) +C -, +@D A +>C@ B B ? G E@ . +B@C@D EG +B@ V
JB C AD C@DDG -,->C - +B- @ +B + C@ C J@ SKK #
9 . "$)' &)! . ;QP O D.@D . C+@C + AU
+B JJB C +-A@
! JJ,>AAD 8 @ C-A(2 1T '(, - JB
C A@ ^ 11 N "Q , +@ -
,>? A>? AD ? .A@ >? ->AD A J ,@ E,>@
.C A 2 E E,>@ C @+G - J A@, 3 A @ C,G
A ?@ -C E,>@ B , @D-AG =*1 +0
B@ +@C ? 8 A @C -C? $* '+ JJ, @D A + A-
> > , ?@ A A. EG @ S U@ ;K;< +E D E) A > @D > SK)
EG 9 7 - @ -C B >GA +@
;KOL " : A " $!!& 0 =K ;KLM "#3 -8+
'0 < &!0% @+ 5 $** ' (B ? A@C , D Y
- @C@D EG ! C %B C,@ @ @ U@2 A C@@A, AD + B
J ,@ JJB C@ E,>@ -,->C ;Z99) P & [0 ,0
@+ ' $!& " PLL ; %B , @D-A+ F> C+X ! JB C A@
;KKL 3 52 '). A ',",!0 ? 0 4 LKM O !J A@,
! JB C A@ J ,@ JJB C@ E,>@ +- .C@@A B -C C@DD) E,>@
! JJB C A@ 8!+@ C A(2 5-C?
JBGCGA2 Q JBGC A2 Q K JB C A@2 K < J
JB C A@2 Q JJB C A@ ^ D ** ') (
C $$ *2& (11 B %-AY
+ A. - -C , U@ JJB C@2 B A. +B@ I> , + @ -
JJB C@2 @ J +B@ -,->C
$** ') '$ T(@@ < B)
;=SL C ! 0 & ! 8% S+-A(8;KP<(B %@C ,@ A
B E-CD>C@ - ?@ >C E,@ EC@D@ - -,->C) JBGCGA2
AD C@DG,G ,GA@D EG -CDC@2 AD @+ >,, - +@CC@ 2
$;ML ! " 8S,a &-@? 8;MLL(O<M !B@ +--
! JB C A@ AD ,@ C@ +- +B@@ %, G2 , A+2 AD *@ + A- +BG
+ D @,, A. E@ C !0 $' 0 ,, PN== B@ ?@
+@C JJ@ C - ! JBGC AE,@ ;MQ O . 0
= 0< - LK :@ @,,@C C@ U-A ?-A. ! JE C@ A-+B@C
-C+ - !+-A@ 2E@ > @ - +B@ C ! JE AA@D@.C@@ - B CDA@
4Q) (< OQM B@ B D@) JB C A@ +B@
B@ D + 1 0 8 QQM(O=P !) B C >@ 6++CA CD2 ;KLL
$ > $ 0 ; ML B@ JJBB?@J @C @ ++- B@ @A
OKLW 8 7 C$ $, !) A =M - AG?JB #C JJB C A@
J C + - + , .B+ + C OKQK ') E ,>
G2 B@ JJB C A@ B>@ - +B@ X@A +B A JC A.2
E $1 &!(
SK 7 2 $ & % %.) SSS 2 " J +B B
@@+ ! ? -+@ ->AD A.,G +B@ J @?@A+ JJB C A@ OKKQ
8 7 C$! ' < $ $ ", B>AD@C C-?
+B@ ! D@ UG JJB C A@
! JJ++ L) M<) ^ ?-D $** '$ `H 1` (
> @ - +B@ @? - $**. ') M @@ JC@ a #
-C J@C+ ,A .+-2 N; B C +@C + - +B@ $** '$
.@A> - -J@J-D -) @ # $** - (
OK<Q " - !0 $ 0 N&& 0 / @ SS ! JJB C A@ -J@J-D
! JJB C) D 8 @ C A D(N&&!(^ D ?-D
$* ' $1" 0 $*% '$5 JC@ : ?@?E@C
- ?@ # 4**' ' $ - J C + -J@J-D
!- , - K JJ, 3 , J D $0(- -C J@C+ A A. +- +B@
$C* ' 1(
;K<P - . $' (, ." ! JJB C A D ! JJB C A- D
OK<Q " '!0 $ 0 N&&! 1 A S 7 B@A @@A ?? A. +B@
!) JB A D JC@ @A+ ? . > @A+ J, G # ?@+ ,, -,->C
! JJE ? +@ 8K @ CD +('0 ^ ! 5&" mO)
! &&" $ OC 2)) c
;KKL 3 52 ')). A ',",!0 $A 4 =N) 2
! JJ , ? 8 @) X)?(^C2 +B@ A ?@ - , ,
8 @@ # 2" B- > @ - +B \ @ J @@
! " L 6AA +>C , @S> , C@, + -A E@+ @@A -?@A
OK<N . . 7 0 (-@S $', + :>A@
;P=K ; G@+ A +B ->A+CG +B@ A- @, + B A-+ CC @D
+ +B@ +C@ +?@A+ A C-? A @ - @S%@ C @ ?-CJB -? A 2 -C
! JJB ?2-C . A ?> 2 ,, - B)D @ @ 6, E@ ->AD
A 5C@A B A- @,
!- ! JJB +2 -A@ DD +@D +- JJB ?
= 1 %)** &#+0 T
! JJB- 8 @ J(^ JJ, + -A - +B@ A ?@ -
+B@ J-@+@ 8 @@ # 2:
' (A ?-D +B@ A ?@ - .@A> -
-A

! $ / ! D
C# " 1(<D 2 $** & ,&- (
HZH `C ''" ",!0 44 OQO ; ^">?? A. O CD a A+B $ @
B@ ! JJB- SKMS < B.) &, ! & ;Q= &-
F *$ $')) 0 B@ ! JJB- %-?@+ OKML ^ @@ JV
/ (B@ A ?@ - +B@ @ .B+ @+B +% -D
;KQP A ',",!0? 0 2 KNQ O ! JJB- ^D - @C@Da
OKM=2 3 G L
+! JJ ,G2 1 0 ^ 11 ,` i C 1O a
OG ?@ A - J +BC->.B +B@ -J@C + -A N; J
OMK= C !($' 0 4 QQ= B@ , +@AE>CG B-?@2
B- @ C A. + ?@E@ A. E@+ @@A 3 B @,? AD %BC)?
E@ A. JJ ,G JC@J C@D EG +B@ E@. AA A. - +B@ B CD 5C- +
,? - + D@ +C-G@Da
/ 3A + ,G
;QL= "% 8),. -), " S 2 B@ C + +
?@,,+ @ JJG, @2 - +-> B +B@, @ E@ D D A-+ .C@ A
! JJ A@) 9 .$ K$ $$! $(i* .
`^ B@ -AD + -A - E@ A. >,, - J
OPPK ' B. ! ! J A@ -C A +>C ,` B>?->C -C ?-G +>C@2
! &0 OP<= . B 2 !1 &0 A LL 5-C >?A+ - ?-G +>C@
AD JJ A@ @ S-S- 7 - . 7 & %) " HO "
M B@G JC-?@C AD +BC >@ A E>C.@A A.2 JJ A@ 2 ,- @C 2
C> + !QLQ . -, +B@ B A. ! J OQLO
1 0 8@- P(2 $** ' +B@ E@ A. JJG ;KOL :
C $, 0 & %) &- 8;KO;(OKO -CD A. +- +B@ X@ -C JJ Y
A@ - +B@ +C@@2) S ') SS 2 B + .C@@A
+C->.B M JJ A@ AD B>? D +G2 +B@ ,,@G - +B@ $ @C C
; = ,&E&D(G " 2 ! 2 $
A C@ @A+ / @+ T
! JJ) 8 @ J I(2 1!(1(^ 1 i ? - a
B@ + -A - +B@ @CE 1 A C -> @A @ A
A + A @ - +B
OMQL : +C $,D) > (, !0 PO B@ JJ A.
- +B@ ->+ EC@ + -CU ?> + E@ A+@C @J+@D EG ->A+@C AD
+C A @C @ ! JJ@ QLM 3 .B - - 0 L=; B@G @C@
-E, .@D +- ? U@ +B@ C JJC- B EG ! J) . O) L L<
<&& >) " 0 8@D L(=KN B@ .@A@C ,, @ ,+B B D
E-CA@ >J >ADMC ,, +B@ @ BC-A JJ A. 2>AD +>CE@D OKML
: $ < 0 8;<N;(, ;OM B @ A-+ @D +B@ -AD@C
JJ A. - +B@ B ,U , .- A. -A B@C@ ^3 C. +@a OKK7
=) $, & - 0 8OKK;(OLK C +B@C J@+>, A+
-E*@ + -A +- B@C >!@ - A ,-. @ 2 B B B@ ,,@D +B@ JY
J A. - , A.> .@ 2
E 1(O<N $!" 2 ;M / @ Q ; B@ JJ A. +C@A B@
,, B @ +- E@ C>A +BC->.B C-X@A .C->AD
! JJ A. 8 TJ (V , &&! !$' (^
1 N" 7 a H @ + -A - +>DG A. B CD
OKOP % 3 9 ' 0 * " 5D%"B+ <; " @ G->
3 +C-A X@D ,@ ? 3 2 -C JJ A. -??@AD@D ; XKM ' B7
& - ? & - $ 5%0 2 : A@ @C ?> B - B AD +
JJ A.2 AD +B@ , .B+ -CU > + ?@ @,, @A->.B
! JJ A. 8 @ J .(2 * 0 0 ^ ! + i AC- a
B@ + -A - +B@ @CE O L A IA-+ $ 10
;KQ : 7 (, 0 $** ' / - $, ' % C >, C
) -C , EE A. E ,U AD A. E-,+ -C B A., @ +>
! JJ A. 8 @ J .(2 -C ^b - b i " * O a
B + ! J -C >AD@C ? A@
;KS< ' , B> +B@G C@@J +BC->.B +B@ C
JJ A. ! +C@@+ 4KL; Q 3 7 5*& 0 0 - B@
+-C?G AD AD JJ A. +C@ ? - A D@, +G B B C@
- @C+BC- A. +B@ B-> @ - +B- @ B- ^@+ a O<MK
Z ' . A $',.(&) OQ # + S- P B@ ,- AD
) J A. +C>) ,@ .) A + + C + -A
! JJ-D > 2 ! $ $, \
! JJ-+ 2 -E 2 -C? - 1 K
2) ./ $0 K$ $ 10 H3 0 %(8O,$
, (7 [$%% ,(
J, A+ -C +C@@ -C + J C+ 2 - --D
E- AD A. A J
+S-- ! !- <!& (P=M ++ J @C (0 <!& *M S
),)! ') " @J) +@, ,HH C &- *(C$ 0 ==; S ! JG2
-C >,,@ - J2 ,$ &) ($ O) B . E A 5-S@ 0
8;PKL(;QNP O@. A +B@G A-+ C + +B +B@ .C@@A@ AD
JJ @ +C@@ ;PQN 7 7 29 !# & %) ($- !" & % &
I J / @D)2 B@ A@ ++@+ B@+B EC- D I JJG
EC >A B@ 8P<O '(= (;MP XM-- B QI.
&) ' " $ *) 0 , LK B@ +C-A +C@@ .C@ + D@ ,@
?-C@]
+B@A +
$ 0 j
9+BG2 -C ! JJG ;QNK : . 1 " 0 QP 7 B@A +B@
JJG O->.B ++ C@ +B@? @, @ +B O,-- A ;K=O R
- * & 'S O>+ +B@ @m @S-6 J, A+ a2 +B- @D +B
C@ >, D C+ C@ A@ +B@C .C@@A A-C JJG OKK= 8 \
?$ % C $' ( ) P W JJG ? @ - J C@A BG?
& - 1(NSQ<< # 8;QPQ(L<L B@ , + m) G ,@ @D
,- @C B E@@A .C@@ E,@
% O6 (A C -> JJ, + -A 2 5>,, - + , +G
K// ' [0 F *E2 7 @,, .GD A- E>+ JJG
+C@A.+B B@ U@J@ - .C@A@C G@C@ +-C@ : B B7
&,) !$ & ' "8OKK=(;;= C AU2 JJG C @ , U@
+B@ A., B -C @C? A
E 5>,, - .--DA@ " -C >E + A @
OPML . B) C %0 +- O --.@? !& 8 CE(LN
B@ JJG@ !@A @ - +B E J GA. $G?@ ;PMQ
& $, " *(- $DC G* " @ +B + ,@ + I> A+@D +B
> B@ +C B@2 AD J@, @ G,, E@++@C J@C @ >@ >@E@ +B A. @
7 BG B E@ >@CG@ AD) JG@ ;PKQ F; ($ & % $ ', "
7 U 8^ C- C+(<N B@ >.@C@D @,- I>@A @2 B B -
@@+, @ ,- @D C-? +B@ JJ @ + - GD-A > XM-S
= C$ D) ! V$ 0 =L 7 B + +B AU@ G-> - +B@
, A@ - / @ +> C 7 C +@ E@ A-+ .--D -CD ,, JJ @ + ,@
? ? +>C@2 >A @ -A@D 1(
$ MLQ ' 8) 2 0 8;MLN(L 7 B@ C B@ B D J @D
+B @ U@ AD JJ @ .@ B@ 7 -?? ++@D +- / C %-S@
;MP) 9 . N&& & - $ LMPc %C@ +>C@ - +B + ! JJG
! J @A @ 8 -C + @, @(+-- .C@@A +- E>CA -C $@, . -A
$ @ 2D / $ '
5 $
;PML B . . ?) !2 $.(&- *&) ' LL 3 U@ G->C E ,,@
+B +B@ JJ @ ,> @ - +B@ E@C @ ;P<N 1 C(A0

S PM B@ C J@C C> + 7 B- @ JJG , I>-C2 +B+ +B >,
A@ @ @,D2 A+- B@C >J B@ C>XD ;MN= I <Y V
> ,& $> (!' HH0H" 0 P;< QE N B B .C@ +
JJG AD ->C @ .C A@ ;MPO B.1 11 ' (C " ,(
8;MPM(LL +@C B B > @@D C->AD2 C@DD B2 JJG O@CC @
$%>A < 8 '$ 0 C!$ e + A + C + AD *> @A ,@
%-A + +>+ -A2 + @CG !J-A.G AD ! JJG E-DG2
E # ?@ +2 B2 @+
;PLM . .) &' 0 ,& 0 8;KO;(& -& (O< A
+B C@. -A C ?-AG C UG AD -S A2 +B@ + ,,->A - +E ,C
?E JJG2 +B + + C@ A@ C NSQPK
& $ ' !%& ' 4 ' + 2 OC JJG B A@ ->,D
B ;KOP : 9 . &, (- 1 0 7 U ;KPP OP B@ C
,@ B ,, E@ +B@ JJ @C
! 5 + J,>?J 1 0 F $!0
OM<= $' 0 <$O(- O<<K = ! B@ ^ ? C@a J G D2 AD B
B@ G G@2 -?@ B + JJG2 $ OKOL 9 . * 0
)! "$' &-@+ 7 U 8;K=M(OKK @AD@C D ?@2 -C
?@2 @'@C B-+ B+ , A. + +B@ @G OK;<?!$,.2)
MLQ 1->C C ?@ - JJG2 AD G->C @ - ?>.
. 5>,, - ? - +>C@ ? - + W-* -DD@A C AG
1 (-RD (% :: $(
, O=QN ' & 0 $10 4C $, (2 $!!& 2 + S 2
- @ +B@ - ,, ! JJ %2 AD +- C@ >@ ,, @ D E,@ ;KNM
: 6)) - 0 % 8@D L_ > S2 + C U@+
-A @CG ,-JJG .C->AD2 - +B + G->C B CD E ,, JC@ @A+,G
E@ -?@ 2 ?>DDG2 JJG2 AD C-++@A OKKP ' . .
$ &2 - SS, 2 +) - ,D AD JJG2 3C C+B
E # ?@ + &>+C@ @A+2 + A+@D2 $!(8!@@
/ / (
OPQL ! 0 G (! J @ -C A >@C @ ,@ B
OQKL " - &!(0($*"(? - W+>C@ -A+C +@D -A
+B@ ->+ CD ? @ - ?@ + 2 B B +B@ B + + .@ -
D -,>+ -A
M %-A + A. - -C -A+ A A. J --D
O=MM A 7 6, \ %, CU $ - 1 8;KKM(<L B
+G ?E C B ,E@ B +@ -U@2 A-+ D-+@D2 A-C +-C GA2 A-C JJG
;Q;4 ! 0 = $ 0 8@D =(',V B@ @ C*@A@,
?> + E@ 7@,, @ -A D2 AD A-+ JJ_H ;QQM 1 .
?) ! ' $ K= O@ @S @@D A. C@ >, J- G-> ? U@
> @ - AG -C+ J JJG ?E@C
T 5--, B 8% ! &C) M(
OM:N# ' C 0 C &*! 1 M 7 B@A >A, ? +@D

T% A B@B @+ U@A B JJG) B@ D+ 7 =T. B
&3 *&' ;PN2 ? + B@ D@D2 JJG2 E) ,G
*)' - ' !"0 OK=K 8 . . $1! %& , &-@+ 7 U
;K<N MX B@ -?@A B@ DC C-? -A@ ?-D@, D-A +
CG2 ,, JJG ? J,@ AD , + JC C @
,! JC @,? 8 JC ? (^?-D 2 2 b
- *&3 J>+C D i 3$ $ E,--D : T !@J+ A+-S + -A2
-C J- -A A. EG ?@ A - !@J+ -C J>+C@ + @2
-C. A ? "= "$0 ,0 50 !. (
;KKM ',",!0 ? !0 44 : MKM O 7 B@A +B@ ->AD D>@ +-
JC@) G+@ +B@ E -CJ+ -A - +B@ J+-? A@ B E@@A +@C ?@D
T! JC @? ' OKK< : 3 B % 2 0 0 &' 0
8@D =(;M + A-+ @CG C +@,G ,@ D +- D@ +B C-? J>+C D
A+-S + -A JC @??
! JCKK? 8 JC ? U(2 $0 ^ JC@ i a '#
-C J, A A. +- J @? @ +@D +B JC @? 2
O) : B E '3 0 0 & '(S 8@D =(-M
A , ?? + -A - +B@ G + @+ >J2 +B @ @C AD JC ?
G?J+-? ;<NL ! 7--E" / A - ",!(? 0 %44
PO; D D + A + -A ?> + E@ DC A E@+ @@A JC @? AD
@J+ @? !- ,-A. A- ? C- -C. A ? -,,- +B@
+-S A 2 +B@>D>D + -A) J>C@,G JC @?
! JC-.@A 8 +@JC-D*@ A U(2 $0 H%0 C $$ *93
J>+ Di #O9 i - % A " . D@ G -k J>+C@9 -
+ -A , -2 JC-D> @D EG J>+C@ + -A
SK*M +C $ < '0 C$ &!0 P<< ! JC-.@A -C J>+C D
A @ + -A OKKL ' B L A $) < 3 C =L< B@ C@ >,+
- C@ @A+ C)) C B@ 2 B B +@AD +- B- +B + J +B-.@A
E +@C C@ ?@C@ ?-D + -A - JC-.@A -C? X.J-
+C (, >), 0?$, $ [G?-.@A 2
) C-.@A - AD JC-JB ,@ E +@C
! JC-.@A-> 8! @J): D)AD (2 ^ + CCJM
J>+C D i i # ! a JC@
;KQM +C $ ' > < '(C$ &!0 <<?$ 0 - & +B@ @C2
?@A+- J>+C@, -+ -A2 +B@ JC-.@A-> @C?@A+ K<NM;) ;;PNW
$ ((0($* & ' -C $* & '&) (JC-D> A.
J>+C@ + -A -C D@ G ;<NN O / # T <!& (?&%(
- ($* & '&) (.C- A. -A D@ GA. >E + A @)
! JC# 8 @ JC),(- (^ C $$ * 3 J>+C D
B #E a 8!@@ I>-+ ;K<Q (
;K< ? ((" - !0 ;Q !@J+ 7 @C 8 >.> + ;K+B2
;K<O(. @ A ->A+ - A A I> G A) D@ EG B ? ?+- +B@
JC-J@C+ @ - JC-, OK<Q " 0 &,0 50($* &! A ?@
-C C>D@ ? S+>C@ # C@- -, +B CE-BGDC +@
JGC D A@2 > @D -C C->.B D A @ + E)
!) -,@. 8 @JC-,@ .? (?$ ^?-D 2
C ,$ *&3 J>+C D a H ""3& E-CD@C a .@A> -
>A. 8+B@ +GJ@ - +B C # $* &! ') $ -C $* &3
! '$ 1+(B @ ,G A @ + +B@ E-D @ - B
;KMM O $9 A $ 0?& 0 B@ ?@
A ? , B E@@A -E)@D2 B@A ??@C @D2 +- JC-D> @
$* &! ' $(AD B@B >CC->AD@D ?@C@,G EG + +- JC-D> @
), & 0 OKK " ++) S *A $) < 3 C =) O +C @D
-?@ @SJ@C ?@A+ -A 8E@ +C A J, A+ + -A - +B@ $* &! '$
- 8B@ , A. ? -A +- D@ D A ? , E-D @) P :
, 3 $' - ;=M ! JC-,@.A -,->C,@ +>E>, C
+BC@ D 2 -C? A. .@, + A-> ? @ -A , A. AD D@ D
A ? , AD @.@+ E,@ ? ++@C *A C@ B +@C
"@A @ ! JC-,@ . -A $0 8 @@ I>-+ ;<NN(!
JC-,@ > X@D **!($0(D @ @D +B JC-,@.A
$ J ' BL. A $) -3 C =L< ; B@ -AD + -A +?D@C
B B ?G ! JC-, A @D ,@ @C@ J, @D O<NN O / # R
<!& (?& / ` $* &! '&) (,, @D +I) +B@ .@A>
$* &! '$0
! JC-J, 8 @J 8V . A(' 0 ^ ?-D42
$* &* $ Y) A@S+(i a 8!@@ IA-+(
A &J) (, 0(@+ 2 $* &* $ $' (+B@ A ?@ -
!

! JC-JB .->'8 @JG . (2'-' ^'?-D4'

$*&*$3)'8' C'$-*&'J>+CD'i'3*"&'@+A.(

! JC-JB ,@'8 @JC+V<,(2 1 AD' $ ^' C'

E +@C>?' AB E+A.'J>+CD'? ++@C2 0$ B0'#'E Y

?*L0 L6 0*-'8 @JC))+(' ^' C'd $ *93'J>+CD'

i') -'J, A+' @@ 1 V' AG' @.@+ E,@'-C. AY

"@A @'! JC-J ,G+ '80'/': U -A'<%& ('?&(

J@C+ AA.'+-' JC-JBG+@ '! JC-J,G+-,G'$ ('

(L=(K '4 * 3 $+0 E0 0 ,-' B J .@C'

(L=5 44'8 @J U-,(' - ' $!(8 @@' / / ('

! C @A'8 @C) @A(2 1(AD X' 5-C?

! CC @A@2'! C--A+)'L'! C@[A2 L='! CC@X A2

-C' >J@C-C2 ' , -' '$ B0' JJ,@D'+-' @C+ A'

! C , AD'8 @!E@@AD(' , -'Q K' C EC-AD2

K<' C E AD@' ^D'5' $ 1' (D'!J'0$ $3

1$' $8f'&.' $ 1' &+(J+-E'-'#C @B+ ,'-C.Aa

K C E + A@2' '6 /' 6' J

'/' 'A-A %BC + A2B@ +B@A2-C'J . A' ' A'>AY

E@,@ @C2 A D@,' 1(

! ' B@'! C @A'J@-J,@'-C'+@CC+-CG' 1(^!-'

! ' &-1(' ' $, ' . 'AD*'! @A' -- A2

! C @A''-CA2' &)-')! $ '+'! C @A''

A?@' -C'+B@'A- D'J@-J+@'-'+B@'!GC-' C E A'

[illegible]

[illegible]

[illegible]

;Q<L' +C' ?)B%%& ' $0' '? ' 4 'O;Q' B@' !>'@,,@ 2'
B B' @' AA-+' E@++@C' J A+' A' .@A@C ,' +@C? ' +B A' EG'
+E +'+B@G' C@'D> U ' ?> B' ? ,,@C' +B A' +B@' -+B@C
O=N' B@' 7 B +@' AD' 0, U'! C @,,@' -C2'+B@' >A ' 1 0'
O=L' B@' OC- A' AD' 7 B +@'! C @,,@2' SK- ' = 7B' ' (
0' XK K O' ,' , " ,!0' &*0 8;K=P(' 4 2' OMM O
'8 > @,D(2' $0' 0' ^ A., X@D' '

$, !! (!
%$' %' !' ;

MKK' $ ' ' . ' - &) "'C' '=< PN' '%C- 'D->E,@' J C+@D'
- D@D' 5,-CG +' ' ,U@' +B@' %C- ' 3-,?@' ! @D2' -C' >+'
A+-'=' I> C+@C 2' AD' D J- @D' +' ' -A @A @A+' D + A @' AD'
+B@C@ -C@' ? G' E@' +,G' +@C?@D' ' %C- ' 3-, A@' ! C @,,@D'
$>AA' (' " 0' 0' 2' S ' ;;L' ' +B@' - D A.' E@' - '
A-+B@C' %-,->C +B A' +B@' 5 @,D2' +B@' %C- ' ' +B@A' D' +-'
E@' B C.@D' +B' A-+B@C' %C- ' -C' B B' ->C' A., B'
"@C >,D 'B @' -?@' A@@D,@ ' @C? 2' ' $, !! ' AD' 3'
0 $, !! 0' $ A "&%' ' ,",!0' 0' 2' & '*$ ' $ Q
, !! ' +' E-++-?' A' +B@' -C?' - ' ' 'C@ @C @D' 1 0((& '
&)1! ' & 'EG' -?@' ,,@D' $' , & ' & ' $, !! ' -C'
$, !! $, !! %+B +' 'D->E,@' -C' + @' @D' >AD@C'
;K=Q' C$. >'<!& 0' (,- ' %C- ' ?-, A@' C @,,@D2' -C'
- D@D' +BC->.B->+2' C- 'C@ @C @,@@' -C' C@ @C ,@2' -C' C@ @C @,@@'
- D@D' -C' D *- A@D2' B B' B ' , -' E@@A' ,,@D' ' C- ' @>CG'
E? C+@D
O ' f! O% +' L

;KOK =N' ' ' ,",!0' 0' 2' $, !! ' >+' +BC->.B' +B@'
? DD,@' O@ +' AD' E CD 2' +B> ' ,- @A' +BC->.B->+2' AD' +B@' 2'
B , @ @AD-C @D A-'>A -??-A' E@ CA.' A @C? AG
2' 8 @, (2 ' 5-C? ' M' C ,@2
M Q' 8<(' C @,@2' Q' C @, @2' K @C- ,)2' @C @,,G2
<' C @,8,(!2' K ' C @,,G*' -@C@@,D@' ' , -' &'0
<' C @6 ' 51' 5' , E ' , !'U' #5 ' , ' ! '
@ $ %' !)4: %' 2 : %' $1' $$: ' 6' , , ! (0'
(, , !0 ' 2

5' , , E 5' , , !' 8 @@' .IF D' @C@2' > @D'
GA-AG?-> ,G' A' @A @' ' 8E@,- (' O@ D@' +B@ @' +B@C@'
'5Z' $, !' 8 @@' !' - -E >C@' -C . A(' JJ, @D'
+-' ' C- ' -A' B B' A-+B@C' ' J, @D' - ' ' D @C@A+' -,->C'
, , ! ' AD' -A @I>@A+,G' , !!" ' $, !!"((@C@' -A > @D'
+B' $, !!' AD' > @D' -C' +' 8 @A @' O(' B@' C- 'C@ C'
@,@@' ' , +@C' -?@+ ?@' E, X-A@D' ' ' C- ' - D@D' 8 ' 0
B A.'+B@' @A+C ,'J C+' >+'->)2' A C@ @A+' A., B'B@C ,D '
C +@C 'B @' >C+B@C' @S+@A)D' +B@'> @' - ' $, !!"' 8 AD' $ Q
, !! >+' EG' JJ,G A.' +B@'?' +-' E CD' AD' E@ +' ' >+' 6 C->.B'
+B@' ? DD,@' 8 @A @' L(a
; ' :6 @D' +-' D@ .A +@' ' C @+G' -'+B@' C- ?-, A@'
A' B B' +B@' J- A+' ' C@' C@ >C @D' -C' >C,@D' E U
B@' O--U' -'!+' ,E A' E, X-A'+B ' C- ' ' &"'"'',A@H
) %' 5' , ,!' ' ' ' $0
' , &&' ,0' C& -' $! "' ;=;' A' A0' !!O0' ,$ 0O ,(N<
S+' C- ' BG@' SA' ,@' @C@' ;LMO' 7' - & "'P<' B@'
@,D@' #C2' C- @' W C @,@' @>,@ ' ;PQ ' 8 .' ' - &
' OP'E2' >,@ 2' -A' ' %C- @' ! C @,@' / '-C2' >@'),@++@ ' - '
+B@)' C +@' ;QKN') ' 0' ,- 2' & 3 , !! 0'
B ' %C- ' ,U@'+B@'%C- ' 3-, A@2' E>+' +B'+B 'D @C@A @C@A
+B +'+B@' J- A+' C@'+>CA@D' C->AD' 1 0' $, !!"((+B@' ?@'
, !!"0' $ %&' B ' $! "'Q<' , ! '-C' 3'
, ! (>C, A.' +' +B@' @S+C@'? + @ ' ;K<Q' 7 '9 '$')6 L'
?!$O&' ' * ,0 8@D' O(O;Q' >,@ 2' ' C- ' C @,,G' @C? A@
O' JJ, @D' +-' ' C- ' 8@ J' '' C- ' ? -, A@('
- D@D' AD -J@A' +' +B@' @AD ' 8% ,' /
;MM;' = 7 ' * 0' < ' "'>'<! C @,@' %C- '^f'%' $' ;='
$@ @C ,@(' ;QO ' (' " 0' 3' ' S ' K' ' %C- '
?-, A@2' ,+- .@+B@C' - D@D2' B B' -?@' - '+B@?' ,' %C- '
%) M' ;KOK =N' ' , ' ,",!0' 0' 2' & ' $, ! 3' $ 3'
, !!3 -C' $, !! (' , & ' & (-C2' +' @C@2' @D'
J C+' ;KK< .3 ' 0' 0 J'S, 2' %C- ' - D@D2' , -'
+@C ?@D' C @,@
$ %>+' ' ' $ 8% ' ' #O+
;KM=' B ..' $! "' KQ' $, !! O(T
H ! C-@A2' 3
2 ' 8 * @ .U ?(' ^2' C'$$*V3('
$ * ' ,@ B2' +@C' J ! " R !-,,) 'A ?@' '
' -AA@ + @' + >@' ' @C+ A' J-A.@ ' 8 @@' " $.$
;KKQ' !- ' A' ' ' " , '? 0 44 '=;< O A'+B@' B .B@C'
J-A.@ '=< & $(' !! +' +' +B@' ?@)@C?a' -A) + -'
? ,+' J-,G.-A ,' .C A>, C' @,, '@ +B@C' ,- @,G' -A+ .>->' -C'
@J C +@D' EG' ' @CG') , ' I> A+ +G' - ' +C> +>C@,@ ' :@,,G2'
AD' A'+B ' -C?' ? G' E@' +@C?@D' C @A BG?@' ;K<K') K
7 %9' 5 61.0 N&, 0' 'Q<
! C @A@+8+2' ! $ ' ' 3 ' '
! C B8@2' C' -C' -E ' $ '& -E ' '
8 C U(' ^ D' C' ,$*- ' (' $$*V3'
CDJ' ,@ B a' 8!@@' I>-+(
;KQK +C' ' & . ' $.(./' ' . 3' $ ' 3 'O<L'
@ +B@C' ' +'+C>@' +B +'+B@' ,@C.G' @C@' -A,G' C@. CD@D' ' ?@A'
-'+B@' J C +2' AD' +B@' , +G' -A.@ ' ?@A' - ' +B@' ' +B@' 'B@'
%E C B'B D' ,-A.' C@*@ +@D' +B@' A- + ' D + A + -A' E@+ @@A'
JA@>? + ' AD' CD
' ! C > '8 > A (' ?& 3' & ' 8 A (' m '
E ?D,@G' ' $, '+-' J + B2' ?@AD a' ' .@A> ' - '
B X-?G @+->' >A. ' -C' E +@C 2' -C? A.' ? @'
- ' @,, ' >A +@D' A' S@D' A>?E@C 2' B B' C@' ->AD'
A' C->' A ? ' , > D ' ' , -' $E 13' >
OK= ' <) ' A' ' 0' (=') 0' " - !0' =L=' B@ @' CY
>? + A @ ' . @ ' B@' B-,@' -C. A ?' +B@' JJ@ C A @' - '
--, J U2' -C' - ' ' ' - +' E>AD,@' E->AD' +B' -CD 5C-?'
+B@ @' @CG' +C U A.' J@ >, C +@ ' - ' -C?2' ' JC-J- @' -C' +'
+B@' .@A@C 'A ?@' - ' ! C A ' 1 0 =LP' B@' ! C A @' @C@'
->AD' .C->J@D' ' +' @C@' A' -,-A@ 2 ?' @C+ A' J-C+ -A' -'
+B@C-JG' ,> D2' ;KMM .$ - 10 ' "' ,!0 !!!0' =KM ;' B@' C A @'
- >CC A.' A'>C A@' C@' E->+' B , '+B@' X@' -'+B- @' - >CC A.'
A' +B@' +-? B2' AD' +B@' ..C@. + -A' - ' C A' @,,' C@'
, -' ? ,,@C' ;KK=' : .T ' , &3& 0 L< ' .C->J' - ->C'
8+@+C D@' -C' C A -C?(' '+B@C@EG' JC-D> @D' 1 0=L'! ? ,'
C A @' - >C' -A' E- ,@D' J-+ +-@' ' ;KKK " ' !0' - 0' ' '
LN:>A@'==< ;'%>,+ + -A'- ' C A 'A' +@C , @D' E@@C -C+'
+' ! C-SA C -> 2' $0' 1 0 ^ ' ' $ ') ('
$, $' E>AD,@2' J U a
;MPM (8 ' !& & 0($, ' ' &) (- ' -C' E@,-A. A.' *7
& U 2' 5 CD@, 2' \%2' @C A.'+-' CCG' E>C+B@A ' -C' ,- D

' =:> Q' 0' 1 0 K$ O$ $ '$ 3($
' ; $, '$ ' ' ' ! / $ $ '$' /
$L' $' 0 G' ') ' ! ' ' ! .D6 3'
' 3 ')! ' $
;MOL' %- 9 $ 3' ' -' D@' 'E@ +2' $, '$ 0' ;M=W
$ ' ' , &' A' &CGAA@' ,& 0?!$O' 3 $ 'OL' S+@AD'
G->C' J A@E@ 2' C ?' G->C' E@,,@ 2' C A +@' G->C' @A+C ,@ '
H?) ' c = ' = "1 2' $ ' ,, & 8 M=P(' O' $'
C A +@ a' ;MPM . B '<!& & 0
"@A @' + ' ! C- A '+ -A
;MPK' .B1 !' $, '$ &'(' ,- D A.' +B' J U ' -C'
CD@,,
= $' 1 (0 ^ ' .@A+ A' - ' T $, 3(
'$ ' f' $, '+-' E-+ B a' '?@AD@C2' J + B@C
;979' = ' - 0 &'' E ' "'= 'L;' B@C@' A+ ' -A,G' '
! C A +-C2' -C' O-+ B@C2' +-' >?@' +-'B ? @, @' +B@' %C- A@
'8 > A(' '0 , -' U A8@' ^ D' '
$. ''8!+C@ U@C(2' C' d$*V3'$' %' ,@ B' @@' ' V'
'E @' @S + A.' A' +B@'*> @' - ' ,@ B' , -'$ 10
K KA 0 6 - 0' &,0 4 ';O;' ' @,,' B C +@C @D' -CY
. A 'E @2' B B' '^'@'' I+C@ U@Ca' ,,'JC- -A ,,G' D + AY
.> B' EG' +B@' A ?@' $, ' ' 0' 1 0 ;OL' +'^ O(' C A@a' -,>Y
+-A' ?' E CG+ +@C2' D@J- + 2' -A' DD + -A' - ' ' , C.@C'
I> A+ +G' - ' +B@' E CG+ - ,>+ -A2' CG + , ' - ' C@*A@ E CG+ '
)KKQ' '3 2' c?5 ' ' - (!.$!& ' QN' ! CU A@' -C' BGJ- '
S A+B A@2' -' D@,G' D +C E>+@D' A' +, @' -C. A ' -C,D2' E-+B'
A ? ;' AD' @.@+ E,@'
/ ! /
'8 > A- D(2' $0' ^ D' ?-D ' $ 3'
'& '8> @D' EG' O, A ,,@2' ;KL=2' A' A@>+' /3,) +(
V' C C!J - * ,@ BG8 8C J 2' 8X J) ,@ B(' @@ - / a'
O@,-A. A.'+-' +B@' .C->J' $ '& $' - ' J-,GJ
=K=O' C ' '"' *%,!0 %'=OL ;' B@' ! C - D'8-C' + A- D2' -C'
CA- @(' &-,GJ C

1 ?!)1 .!' $0 56' & 'H D'
&@C+ A A.' +-' -C' A - , A.' C A @
;KQ=' < ' $ 0' (0 M(;=L' ! C A-> ' -? + A.
'8 *U',(2' 10 8#A,G' A' C@AD@C A. ' - ' +B@'
-CD (' + D' ' $,)!) -(3) (A +C>?@A+ ,'A->A
$ = + '+-' @@D a' 'B-@
Q=P' &!) - !!$>') (;;'S ,2' B@' C--+ ' - ' +B@' -CA'
,C@' , D' -J@A' AD' >A - @C@D' +B' +B@' C ,@' ;KQW ' , " , '
? 0' L;; O' 'B +-CG' - ' +B ' ?J,@?@A+' 8 '+B@' J,->.Ba2'
+C A.' ;)' .C D> ' ,JC- @ ' C-?' +B@' JC@ @A+ A @A+' B@'
?- +' ?JC- @D' -C' ?' +B@' JC@ @A+D G
2' ! C ,@' 8 T' U' (2' 0' >&1 0' , -' 2 $' ^ '
$, : '$')! (' $,)!) -' 8 @@' JC@ (a'
$' 0' -' @@D' +B' 'B-@' %B @ ,G' A' 1!0' 10
' '+C' 'OP' %0' !!('0' ;'= & 0 !$1&) >+' AD' +B +'
A-A@' J G' A' +B@' + ?@' - ' CD A.' -C' B@G? ' U A.'E>+' D'+B@'
D G' ;MN;' ' ..)C! ' " ON +@C' +B@' .C->AD' ' - A@2'
+' C@I> C@+B' @@D A.2' C 6A.2' -C' C U A.' 1 0 OK' B +'
)@G' ?> +' A-+' E@' C ,@D2' A-C' B @' +B@' @ C+B' -J@A@D' \'
' D' B-,,- ' E->+' +B@?' M+)' - ' ' $, (+-'
CU,@2' +-'E CC- '-C' C U@' -+@C' . A@' ;M;Q = ' B'), & (
$ ' - (-C - ' & %' $, ! ' (@@?@>+' +-' E@@' @@@' +B@'
+?@' B@A' +B@' % ->A+) ? A' @@D@+E' B ' -CA@' ;Q=P' +C2'
&!) - !!$>' ') 10 ;;' S 2' B@C@' C@' ? AG' B-' C@' -'J A -A'
+B +' +B@G' B->,D' E@' C ,@D' 1 0' +@C' @' ' A B@D'
'T->C' - A.2' ->C' A@S+' C@' - ' CD A.
"@A @' ! C ,@C2' @@D@C
);QNQ . B ' &' (C ,(;PK A' ;LP; ' ! C ,@C' 8+B +'
@@D@C (' AD' " G ? U@C 2' EG' +B@' / G2' NN ' --)T' & (
^;KKP'A0' (JC' LOQ' # A' OON C@' A' I> -,U)' MN C ,@C' -C'
@@D@C' @C@' ?J,-G@D'-A' -A@'D G' +' # ('J@ @ a
/ ! $
! C - '8 >U+)2' C@J (2' - ? E A A.' -C?' - ' C'
8 J 2$* ' ,@ B2- >CC A.' 'JC@ S' A'? AG' @AY
+ '+@C? '8+B@' ?-C@' ?J-C+ A+' C@' . @A' ' 3 A'
-CD (' ? / B-C' -C' ' ,) 0
' ! C--E ' ?$0' ' 3 2/ 2 2 ! D ?'
' , ! C -E, +2' =$+' ' '
2 1' !' ' A D)?' '
$! C -)@ ' ' $" $'
9 'C , 0' $ 'K *." & '&'H"H('
2 ' 2 2' 1 ' ! 1 '
' ! 2' ' ! $ T! -- +C 2' =
A) " .$ = 6 ''K, $0? L/
' $! C -J, ? 2' ! S -J, ? 2'
! ' 2 ' ! ' $
)! C@- -? ' K, $! 2L/ ' T! '
$! C-- -?@2' ' ! 2 2 '
' $ C - J@C?' ?& 02' *
$6(.RU 8$ '! C -K+- 'C$ 0K, $ '
6 G 1 Q . ' ' ')>
%K=<(' ! C - +G @2' [[! C -+B@ - 'K, $ L
' $! C -+-?@') 0K, $^ "0&' ' L'
' " $
[KKQ' %,",!0? 0' 4 ' ;<Q ;' B@' C - D' B ' JC@Y
@,G' +B@' ?@' +C> +>C@' ' -CD A CG)' + ' D' SKMK
$ 0 ?& ((' T $,&1$ (+B@' ?@ U AD' - + ' C>+' ' +B@'
% C @C>,>' ' S) P' : ' %' 9 !) 'C$ (S' OLP' ! -?@'
>+B-C + @' E@, @ @' +B +'+B@' A@ ' .C- +B' JC- @@D' C-?' +B@'
?> >,C' @, ' -C' C -E, + ' ' ;K<K) 7 8 ' 5 .0
N&& ' PQ' A'?UAG' -C?' '^- ' @. C?@ a' +B@C@' +@' ,-A. +>'
D A ,' EC ,,C' +B U@A A. ' - '+B@' >+ ,@2' AD' - -A ,,G'
' J@ ' >J@C ' G@C' - ' +B@' @ +-J, ?' ' ? ?@D +@ ,@'
E@A@ +B' +B@' >+ ,@' 'D + A.> B@D' +B@' C - G+@'
;KQK :' $' B 'C .&* " &!0 ,)'Q=' ! C -.A-?G'
OKKQ ?$' ' '&' '8O- +-A2' 6'! (;< >. 2' B@' @A+ C@'
G ?J+-? +-,-.G-'D @ @'?> +' E@' D@ @A+' A' C@. CD' +-'
?@A+ ,' G ?J+-?2' +B->+' +B@' .>D A @' ' C -.A-?G'
SK)' ' ' $ B '4 ! +' B@C J@>+ ' ! C -.A-?G2' '
@A+ ' @SJ- + -A' - '+B@' ?G +@C ->'>A -A' - ' ->,' AD'
E-DG2' AD' 'A@ ' G +@?' ' - '+B@C J@>+ ' JC + ' +BY
->+' ?@D A@' ;K<' " '!0' $ 0 N&&!0 3 C' ;L' B@' @S+C '
J >, C' >E + A @' -A +'-'+ -' @,'D@ A@' , G@C 2' +B@

' J> E+J8/

AA@C' 8 C - ? +C,S(B B' A @ + ' ,- @,G' +B@' J >,@2'
JC-+-J, ? ' ;K<Q' " 0' &,0' 50(T $,&- 0' $0++'
B ' &-*('$ 0 (<M' B@' C - +G,@' + @,' '? D@'>J'
-'A>?E@C' - '@.?@A+ 2' ,,@D' C -?@C@ 2' @J C +@D' C-?'
-A@' A-+B@C' EG' A@'?@?EC A@ ' 1 0(B@G'^X ' C - +G,@ a'
C@' JC ? + '?' @ + -A2' AD' C@' @J C +@D' A-?'-A@' A-+B@C'
EG' '?-C@' ,>D' >E + A @' UA- A' 'd C -J, ?' OK<N
%'5' = .' A'A(" - !(' , & ,0' ,0'%4 'MQ' -CDY
A.' +-' $-,,@++2' +B@' T ?> ,@ -,->?A ' C@' +B@' @A+ ,' J C+ '
- ' +B@' EC@2' AD' +B@' 'd C -J, ?' ' * ' ?J,G' A+@C EC ,, C'
? +@C ,' ;KML' $ 0' 0' 0) L' B@' d C - -? ' -C'
E CU' - ' +B@' -C ,' ' A@S+' D@ C E@D' 8EG' X@ / >+B @C a'
OK<< +C' 2& >'< '0 C " &!(' =M=' B@' .C A>,@ 2' -C'
d C - -?@ 2,G A.' A' +B@' ! C -J, ?'E@+ @@A' +B@' AD D>,'
EC ,, @' @C@' @A-C?-> ,G' @A, C.@D' A' +B@' + .>@D ?> ,@'
A &O .6 B ' $'(?& 0 e' PQK B@' @ >AD' A@ B@A' +'
>?@' ' ,@ BG' B C +@C2 'B 'C@ @ @D' +B@'A ?@- ' C - '
J@C?' -C' C -D@C?' A ' .. ' A' $!! ' ' %(
N&&!0 4 4 ' " & $' J' S S2' ' B ,, D-J+' B@C' @D' +B@'
+@C? A-,-.G JC-J- @D' EG' " A U 2' AD' > @' +B@C@?' T $,&3
" ! ' -C' +B@' ,@ BG' - @+ C-?' +B@' @A- C 2' AD' +B +'
T $,$' -C' B@' B,+ A-> 'C@ @J+ ,@' EG)' B B' +B@'
C-+@ +@D' 1 0(B@' ! -+B@ @' - >C' A' +B@' &,>?>'
C A@' >AD@C' -'JC A ,' ;KQ=' &%' 0' !'' ,$!' &,0
'OLK / @ C J+ -A' - '+B@' d! C -+-?@2' A' A +C>?@A+ +@'
J A,@ ,G' >++ A.' +BC->.B' +B@' - +' >@' - '+B@' O-DG' OG'
7 ' A + @' " -,,
! C - CJ' 8 U>U XJ(' ?& 0 ^ D' 5' $,&3
,$ * ' 8$ B CD(2' ' C' &$%' $3(' &9%' ,@ B' i' AC-'
C> + a' B@' ,@ BG' J C+ - ' 'DC>J @-> ' C> +' ,G A.'
E@+ @@A' +B@' @J CJ' AD' +B@' @AD- J2' E@ A.' +B@'
J C+ > > ,,G' @ +@A
A AO). '+C' ' . $ ' 1 0) ' =' '#(' JC-Y
J- @' A ?' A.' +B@' @J D@C?' ' - ' C> +' J CJ2' +B@' J C@A BG?'
! C - CJ' OK=< .6 B ' $' 0 ?& 0 e' POP' A' +B@' / +@2 2'
+B@' J>,JG'? +' +@C' '+B@' ?@ - CJ' -C' C - CJ' SK)' '
) 0' !& $' OLQ' #,@ '@>C-J 'G @,D' -6' A' + ' ,@ BG' C -Y
CJ
! C% # %@,@' 8 >U- "(' C$ 0 ^ D' ?-D '
, !' 8 ' ,, 2' ;PN;(2' ' C' C-J9-) 2 2' $$* ,&3(
$ * ' ,@ B i' +>? ->C a' " CD' ,@ BG' @A, C.@Y
?@A+' -'+B@' ? @ + ,@')
OQ=O+C' C ') M';;' 8;QMK(' ';;P' 'C@ @A+' ! C - @,@'
? G' C@I>@A+,G' E@' >J>C +@D' EG' D .@ + @' 3 @D A@ ' OQKL'
6& & %(& ($! ## !@J+ 2' ;KQ=' &%' 0' !'' ,$!' &,0
B B' G->' @A I> C@' ' ' C - @,@' '+B->.B+' ' BGDC- @,@'
AD' B@@D@D' +' E>+' , ++,@' SKMS' B)' ' 0 8;KQ<(
ML=' !GJB , + ' - @,@2' -C B + 2' -C' ,E>. A+)' ' +' Y
C -> ,G' +@C ?@D
! C% N% N,8,' 8 C)U),(' - ' $ 0 ^ D', +@' '
$,&,&E$5' ' ' >]' f A@S+
%4=NN $'%' $' ,>') 0' ;PL' U@' - ,@' -'C - , ? CC@C2'
C - -' @+@ a2' S D' ' 1$!!' ,SSS " ' 8;PO<(' 4' 2'
! C - -,@' ' B-+@' AD' D @' A' +B@' +BGCD@' D@.C@' ' ,'OPPN
" ')' $ ($! ' 3' *' ' >? . -A' ? D@' -' ! C'
-, ;>m(-A'B-+@'%-,@ ' X S '+C' ' $! ' ')' ' ' , 0
<K 3 ' + E' AD' C - -,' ? S+' +-.@+B@C' OQ;O'+C' C&' >'
' ') ' : O<K ! C - -, ' ' >?' +B +' ' C-?' ' ,++,@'
JC U,G' !BC>E2' B@C@- '+B@' @ ' C@', U@'+B@C$! $' '$(
;KS< : ' ' .) - 0' '$!0 OKM ! C - -,, 2' -,->C'
G@,,- 2C@ @?E,@' .>?' C E ' A' JJ@ C A @' A &%'). 3'
(V' (' ' >E D2' @@+ B .>? C@ A' ,,@D'
! C - -,' >D'+-'E@'JC-D> @D'EG' C - > ' J@ @' '= &C - $!0
'! C #%# ,, '8 *U)UJD (' ^, +@' 2' ' C', $*3'
,9 & $" 0 $$*'&3"' $ * ' ,@ B' i' 9- 4' ' ,,>@' -'
' ,,@D' E@ > @' - ' + 'C@J>+@D' JC-J@C+G' - ' ' ..,>+ Y
A + A.' ->AD a' '>E D' A ?' @ A' EC->.B+'
C-?' C E ' AD' &@C ' A' , .B+'G@,,- ' -C' C@D' .C A '
+ ' ->C @' 'A-+' @C+ A,G' UA- A' ' @@' I>-+ ' ;KLN2' OKKQ'
' ! ' . B ' &"0 ' OQK ! C ,, 2' C-?' &@C ' SM- '
' ' ..)C!' "' ;<Q' '+->C A.' ! C - -, 2' -?@' E@@' -
-J A -A' +B +' +' '+B@' .>?' -C' , I>-C' >A.' C-?' ' @C+ A'
+B-CA @' J, A+-C' E> B' 9 ' '5-S' +C' 6 O>) 0' ;; ' '
P<%-A.@ ,@D' E,--D2' 7 'C .B+' ,@ B .,>@2' @S @@D A.' ' ! C'
- -,, ' OQML' 7 ' 6) 2 'C !0' &- - 0' 'LMQ ! JAAU,@' A'
+B@' ' ?@' I> A+ +G' - ' C - -,, ' A J+'). 3' $ 0' " 0'
?& 0 QO' ' >E D2' @@+ B2' -?@ B + A > @->' .>?'
C@ A2' ,,@D' ! C - -,, 2' ' JC-D> @D' EG' &@A @' + ' ?>C-A'
'+ AD' -+B@C (')A I' ' $'0 ?& 0 PL;' B@' ,.>?'UA- A'
$,&,&!!$(B B' ' ?J-C+@D' A+-'O-?E G' C-?' ' O> B C@'
' -A D@C@D' EG' / G? - U' +-'E@' D@C' @D' C-?' ' J@ @' - '
$ $!) (-C' C-?'-A@' A@ C,G' ,, @D' +-'+B@ +.@A> '
! +C%#%#,, A8 C@DU) C A(' - 0' &0 0 0 $,&T'
&!! ' ' 8&@,,@+ @C(' @@' JC@ ' AD' " V' 'JC AY
J,@' -A+ A@D' A' C - -,,
OKLN) . ' $ 0' " 0'?& 0 QO' OKLK ' - 0'
0 ?&
! C--D ,'8 *U-) D (2 ' ^ ') 'N' .V
j) l
OKM<' " ' : ' ' A' ''0' $ 0' 0' !@J+' ;<;' B@C'
,, ' -C?@D' - ' C -D ,'C>. @' ?-C@' -C ,@ ' C > , C'
! C% # D@' 8 *UD>D(2' 10' AD' $0' ? &!0 ^ ' 5' $ 3
,& '8 / >* CD A' ;KLP(2' ,$*V3($' ' ,@ B' ' @@' #/ a'
10 B@' &$# #& ! 3 S(' A ? ,
OKPL' ?& 0 'C " &!' - 0 8$)'! - ('PLP' B@'JC-+-J, ?'
- 'O-+ AE+' AD' +B@' C -D@'-' [--,-. + 2 'A-+' D@A+ ,2
C@' +' ,'@ @A+ 2 A ,->' ' - ? + -A ' OKQO' '$'#
' - (V ' 0 8@D' =(' = B@' E-DG' - '+B@' &C-+-X--A' -A +'
B @ ,G - '+B@' @@A- @ +@C' G' >E + A @' UA- A' ' $,& ' -C
A ? ,' JC-+-J, ?' ' A J 9 ' 3 . .' ' A' DD@C,@G'
0?$ $-$ 'LP' B@')* , !!$ ' -,D' A' +B@' ? CU@2' +'
E@A.' +B@ @ g D @ +@D' - ' +B@' -> -,->C@D' .@, + A->' ,@ B' -C'
C -D@' 'n
O ' A)' ! C -D ' JC-+-J, ?
OK)' ' ,0' , O(0 $ 0 'ON< B ' .@, + A->'
- + A.' ' ->AD' +' -A +' @A+ C@,G' -' A ' ??@A @A>?E@C-
..C@)+@D C -D@ @,, ' OKP< : ' $ ' < 'C & &0&$' ;<
@ ??>,@2' @ E@DD@D' A' C -D@' >E + A @' OK<K&' =
$*0' 0 SSS +' PN;' B@' E>,U' - '+B@' ?@' ECG- ' -> J@D'
EG' 'A>?E@C' - ' C -D@' .,-E>,@
! C -D@?' '8 >U) *?(' ?& T0' , -' A' ' - C?'
C -D@C?' '8 De ?!(' ^ D' ?-D ' $,& -

8 / @' % AD - ,,@(2' $ C' ,$* &Y' *' AD' E*)$'
/ l 0 3 a' ,,o' ,@ BG', G@C' A' - ? @' @@D' ,G A.'
E@+ @@A'+B@' A+@CA ,' AD' @S+@CA ,' A+@.> ? @A+
$ &) . ?& ('#9 B@'+@ + -A + - '
+BC@@' J-C+ -A' L' - ' A' A+@C @A A.' >E + A @2' ,,@D' C'
-D@C?'EG'/@'% AD-,,@' SKMS' . 'Xd%0 LLQ'! -? @'E-+ AY
+ D@ C E@' '+B CD' A+@.> ? @A+'>AD@C'+B@' A ?@' - C - '
D@C?'+B ', G@C'2B- @ @C2' ' - ? ? -A,G' AD' ? -C@' >C +@,G'
-A D@C@D' 'E>+' 'J-C+ -A' - '+B@' ->+@C' A+@.> ? @A+'
(0 < 7) ? ./$0' ? & ' K:5
*' # 2' / '
=$
SKD=' $ '0' JC'=L= S' ' JB@C ; C -D ' ? ' SKMM
' 0' * ,('8@D'=(O;M' ! C -D '+ >@' A-+' >CY
A B@D' +B' AG' A@C @2' ;KQN' >?0 ' ' - ('OPQ
B@' ' C -D ' @SJ A -A 'g' '+B@' J @>D-J-D ' B @'E@@A'
,,@D
(0D7 <' 8 CU- D(2' $(AD' (^ ' C' $$*' 3(
&$*' ,@ B' i' # #2 % ' C' '$* , B]
' $ B0' $@ @ ? E, A.' ,@ B' ,@ B D U@' JJ, @D'
+-' J-A.@ 2' J, A+ 2' @+
;K=4' C ' ' " " ",!(4 4 ' =OL S' A'+B@' ! C - D '&-,GJ C '
@' ? G' ? . A@'+B@'D + A +' -,,@ +@D' S ' - '%-C ,, >?'-C'
&@AA +>, '+-'E@'C ? @D' AD'C@+ >, +@D' ;KPK' = ' !' '
*& 0 C - D' SKM= 7 0! $8 + A. / (
! ' ' ! J-A.@' J C+ ,@
;KQP' ' ' (' $'0' $!(' QN' B@' ' J-A.@'
,@ B' ' ->AD' >J-A' ' ? C- -J ' ,@S ' ? A + -A' +-')
- ? J- @D' - ' A' ..C@. + -A' - 'C->AD@D' ? @E -C?'E-D @'
] +B@' - ,,@D'0 J-A.@ J C+ ,@ '"-C'0 C - D 'H
- (^ ! 0 - b
2' $,&!$, ,' $:' 1)' 12!%' ! / !2
! @ :12 !2 12!%.' 1!) %6 /' / 2 :1' !
SKM' = ..l' !-0 . -((8@D' ('LQM B@ C'
U-, ++' D' C-?'?> >, C+ B@' /1E E@' D +>) B@D'
+B@' C @+G' '^-', + ' Da2' ;KKQ'? 0' ' '!(#; #'
'A@ ' JC) > +' JJ@ C' A' +B@' >C A@' +@C' " @C @S+ CJ + -A'
B ' ' C - , + ' D'
" @A @' ! C- - , @+ +@2' ' ,+' - ' C - , + ' D'
SKK' ' , " ,!(? 0 4 ';<Q ;' B@' C -, + +@ ' A'.@A@C ,'
C@'? -C@'C@ D ,G' -,>E,@'+B A'-CD A CG', + +@
'! C% # ,@/ ,? ' 8 CU) ? (' '$(,) -'
,@?' ^?-D 2' ' *'1' C' 8 @@'
" ; ;' B@' A@' +C A J C@A+' + E>, C' =6-(*6' A)'
@ + A.' ?> >, C' EC@
4K=N 8 ' A'C. 0' $' (% 4 4 4 ' =Q=' # '+B@' ! C - '
,@? ? 2' -C' >A ' - '+B@' &C ? + @' 5 >,> ' L ' (1)'
! ' , " '==N B@'+@AD A->' EC@' C@' -A+ A>@D' ? -A.'
+B@'?>' >, C' EC@ 2' B, +'+B@' C -,@? ' ?@C@,G'@A @,) @'
+B@' D'?> >, C' EC@' ;KQ' ' 3L. 'C " &!('LM B@''
?> >, C' EC@' - '+B@'B@ C+' B @'A-' B@ +B'-C' C - @??
' $ 10' ;K<< E1) C' " 0 ' 'OQM' &C-, @C + -A'
- '+B@' C -,@? ? 'A> ,@' '
! C - ,+@%) *UD ,D +(' E.' ^ ! 0 - E' E a'
' , +@'- ' ,>? A >? 2' -D >? 2' AD' , >?' ->AD'
A' ,@ B -,->C@D' CG + , ' ,- ' < . !'
L L&' ' 0 . - (' '0 JJ'PM' ! C -, +@' '%-,->C'
,@ B' C@D' ;KLW ' C -6+@' 1 (L=N "GDC-, +@' ?@,@A+@2
C -,+@' - ' ,)>@, A' S) K' #' ! - 0' '0 ;LN' ! CU- '
,+@2' C-?')> > ' ;KK<' . . 1') 0 S' O<;' ! C -, +@'
^- >C a' A'@^ +@D'E,- U' +B' 7 -,, +-A +@'^@+ a
! C -,-) A C' 8) UJ ',-D. (' ^ ' '"N'".
% ' 5 ' $ - ' d ' '
' B +' EC A B' - ' A +- ? G' B B' +C@ + ' - ' B@'
,@ BG' J C+ ' - '+B@' E-DG
$>A ' ' " ,!0 ' 2 A + @AG' 'D D@D' A+-'
JC A J ,' &?C+ ,' # +@-,-.G' AD' ! C -,#.G' SG. ! ->* ? G'
06 (*$ ' '++ (-' B@' &C- @ -C B ,' E@. A' B ' AY
+C> + -A ' +B' # +@-,-.G'>J-A'+B@' U@,@+-A2' JC- @@D' +B'
! C -,-.G2' AD' -A ,>D@' +B'+B@' -C. A' - '+B@' @A @
B@' +B@C J@>+ ' ? @+B-D' -C' +B@-CG' B B' AY
-, @' -C' D - +@' '+B@' A+@CA ,' D? A +C + -A' - '
+B@' @S+C + @' - ' +B@' -C. A ' - ' A ? ,' -C' +B@'
J>CJ- @' - ' @ + A.' +B@' -CC@ J-AD A.' -C. A c#'
+B@' B>? A' E-)'
;K<L' ' 8 ' 1 (' OO !@J+' ;MO B@' @A @' - ' C -Y
,- .G' AD' +B@' A@' G' -J@A@D' >J' EG' OC- A !@l> CD' AD'
/C' " ? ? -AD' >..@ +B .B@C'J- E, +@ ' ')
" @A @' K @-,- . -2' b ,' $ B ((E@,-A. A.'+-' CY
-,- . G' ' ! - - . +2' 'JC- @ -C' - ' C -,- .G
$ A "JA'29 !' $,&!& ,$!0 $ //' 7 .3 ' >JJ, 2'
$,&!& 0 K+@' .3 !' ! S?))
' ! C # A +' 8 *U:> ? (') ' C - ? + '
^? -D 2' ' C' $$*V& *$0 8 ,@A(2' '+C J -#b'+-'
E@ - ?@' ,@ BG2' ' - - J 2 C J '*@ B a
' C$ (i' ' ' ,@ BG' ($ (
;MPQ'C " ,$!' ($,&- $(,@ B' .C- A.' A'+B@' A- Y
+C, ' ,U@'+B@'JC->D' ,@ B' A' -C@' ;Q= '+C' C') 0
8;QMK('O=< ! - ? @' ,+B@? *') ,GJ> @ a' $,& - $ (
-+B@C' "* $,&') C 0 1 0(7 @' -?@+ ? @' '?@@+' +B'
S C@ @A @'- ' C->' ! X@' AD' 5 .>C@ B@' ' C@'
> > ,,G' ,,@D' ! C -? + ' - '+B@' 6+@C> ;QPL'
" ,!0 ' 2' @CG'J-,GJ>' ' C -+ ? ' E>+'A-+' ' $0
B@' C - ? ' C@l>@A+,G'D@.@A@C +@ ' A+-' 'J-,GJ>
E ' '+>? ->C' - ? J -)' @? ECG-A ' -AA@ +
+ >@
L &' ') 0 1 0) - &% ';< B@' C +' .@A> '
? G'E@'D@A-? A +@D' C-?'+' ? -'+C@'8+'E +
- 'B A.' ' C?' AD' ,@ BG' @@,(! C - ? ' -C' ! C DB +->'
>? ->C' DJ - @' ! C - ? ' B ' ' @CG' - ? ? -A
J@ @' - '! C - ? +-> ' >? ->C' SKC' ' %& $ '
) - & ' ;<' ' G + ' C - ? ' ' ? @C@,G' 'D@ @,-J?@B+' - '
G +' A' EC- D'+>? -C' SKK-' 3 'B' U ' \0' &$'
& ' 'LPN' ' C>,@' ! C -? + ' C D,G' ++ A' ' -AY
D@C E,@' X@') ;K<=') 1! ' ' 0 # + 'LPN' 'J--C' - ? A'
+B' A'@S+@A @' C - ? ' - '+B@' @'
B? (O /+#' ' 8 ' 0 8;<NQ(KO '- +@A',- -U'>J-A' ? G @, '
' -A@' C - ? ' - ' @, BA@ ' AD' AD-,@A @

/ ' ?& (AU' ' +@C?' -C'+B@' ,@ BG'D U' >CC->ADY
A.'+B@' - CG
;KL ' ' & 0?& (' ';LQ' ;KPM' . 8' 0
?& 0 - 0
' 8 U) >? +: T (' C$ 0
^? -D 2' ' C' $$*Vd)*$0 ('i' ? 2 - a'
! C - ? +-> 'D@.@A@C + -A
4K<N . 7 ' $ 0 (0 ;K)' !!1) C ' " 0 0
;;;' QOM A'.@A@C , @D' C - ? +- '+B@' ?> ->'?@?EC A@'
? G' -A+? A'A>? @C->' ? ,' @ -AD CG' .C- +B
S 9 8 *U:> ? +- (2 $0 ^5-C?@D' '
JC@ ' " #6!' H2' - & 0!B0' $,&%'$&) 0)' &@C+ A A.'
'-C'C@, + A.' +-2' - '+B@' A +>C@' - 2' C - ?
$>/&' . . ') "' ' :L' 0-A@+> 2' . @' @ @C ,'
A + A @' - ' C - ? +->' A)' ., AD>, C' +>? ->C 2' B B'
@C@' ? + U@A' -C'+B@' >?@C>' ? ;KN=' ^ @@' V' O O>
!!1) >' " 0 ('==M B@ @' A A+ ,@' +>? ->C' C@'
,? - +' A C E,G' C - ? +->
$ 0 @G
M M' = B'), & (' $,&- (' E>J B' - ' ,@ B' A'
-A@' A- @
' 8 *U Q' . ,(2 $0' $' 0' ^ '
' "X 'N'" V
%$' 5,@! B D@ -AC A.2' ,@ B -A A ? A.
'0 ;MS=' ') 'C " 0 $ ' ' A') !! ' ? . . C !0 LMQ'
B 'A +>C ,'"0 BA@ A'8 +' +? -W+(. >@' ' B-C+' AD' AY
@A E,@'JC@ @C> + -A'+-' +' ^) '+B 'E-DG_2' A'+B@' ! C%-JB . ,,'
.C >@' 4<NL' $!"' ' 2 'OL':'>A@'M^ ' @.@+ C Aa'D@A->A @'
? G'? @ + @ + A.'B E + ' ') AA E ,'" AD') C -JB .))
' $@JC@ @A+@D'-A' C -JB . '
SKQ= 7 ' "b' 9 8' $ $,&- 1 '&%' &- '8;KQQ("Z B@'
C -JB . ,' AD' -+B@C'C@JC@ @A+ + -A ' -'+B ' @ @A+'
! C% D J B . A '8 *U* +. A('N 8 0 ^ ' ? -D '
$,&% $ $(A' J ' -C' @? 2' A.2' - ' $,&*)) '8 @@'
! 9%#&" @- (' i ' a' , ' A' A ? ,' - '+B@' .C->J'
$,&*.$ $' 8 ,@ B @ + A.' ? ? , (' E ' ,G' - '+Bl'
.@A> ' ' ' , ! ! BC ,G' A'C@ @A+' / @+
9 ? $ 1 0 ^ D' ' 1 7B V
%$' G' 1 7B ' !' ;
SM .' V%9I$ 3 2 $,&*.$ (' .C >) $' @J>, BC@' VKPM
. B ' <!& & 0($,&*.$ 0#0) -A@ ,,@D' l + ,@ E'
KS' 'C $!0 OO<^ C A >? @C ,'EC,)' @'
@,@EC +@D' C -JB . @2 A'+B@'OC+ B3> @>? 2') +B, +-A@
O ' ' ,@ B @ +@C' f' 1 7B 'J' g
T d$ ' ' 8 ' -0 'O;N 1-A' @C? ,,@D' ! C -
JB . @'
! -' + ' ! $! - - JB . +' A' @A @ X' ']
$%O+' 3 . , $ %$' KM' 7 B, +' 3 @A' ! CE#JB . +'
85,@ B +@+)' A' ,,'+B '+ ?@' @C@'G@'+'+#' @@U' 2'
* 5A' 8 UJ ! D X(2' + 2' ^ ' + "'
1 7" 'N'": V' $' 0 -@A ,- @ B' C -JB .,
;SKQM . . 'C' ' (' ;=M' ^"@a' , C - '
JB . @D' A' @D'.C A +@, ') '' '
8 ! . (2c+C' F $ (' 4=0 '
$,&* $ T- '8 @@' -' <B D' i' F6! :' ')
)5,@ Bd@ + A.2 @@D b.'-A' ,@ B '8: (' 0@Y
,-A. A.' k' +B@' .C->J' & %*. $'8 ,@)@ ,@A (' - '
? ? ? , A'C@ @A+' / U+
/ ' $@ @?E, A.' ' C -) $.> '
4KKP ?&! ' (0 : A 'LK B@' D@D' J , XXF' +B' +B@ C'
C -JB . -> ' ->C+G C B' AD' JC@ A +
; ? ' 8 U. . (' & ' / E .'
8 DLL (' , - ! .> 'c^ V ' C+C J #)) - 2'
-C .' D* 2'%0 d $*k&3(+CD -' ,@*' l -G@ '@ ++B. a
'U 7 ' - ' +-A@'C@J>+@D' ? -A.'+B@' C@@ -'+-
B @'+B@'JC-J@C+G' - ' -A > ? A.' +B@' ,@ B' - 'D@ D'
E-D@ 'D@J- +@D' A' +2' AD' -A @l>@A+,G' > @D' -C'
- A ' 1 0@S ' % D0 '
S)S' .)' SSS +'S ' 2'PKQ' @ C' B+-' - 2'
' +G' A' C- 2'+B@C@' '->AD' A'+B@'l> CC@' ' @C+ A@' +-A@'
,,@D' ! C -JB .> ' SSMK-0> C +)) 8SQP<('=M;' " '
A+C , ' ,U@'+B@' ! C -JB .> 2'+B +'D@ ->C D' D' 0-D@ +
A ' ? ,' J' @2' 5%% 0 &' '$) 0 &' ' ! C
' - .> 2' ' '!+-A@' - ' B B'+B@' A+ @A+ 'BJ,,+'+B ,C' 3 -A>Y
?@A+ 2 AD' +- -U' +' ' ?@' C-? + ' @ +
/ ' ' +-A@' - , A2' @ J' -A@' @? E@,, B@D' +B'
>,J+>C@ ' -C'E@ C A.' A @+ J+ -A 2' @+
B @
4 G' " '9 .1 . ' ! ' ' , 0 C$ ' 0 8;QKM('OKP'
' C -JB .> ' +B' C EE@D' -CU' AD' C@' ? ->,D+,)! ' SK)'
= B ' !$' 1.0' 0< - (;NL' B@C' @ . @2' -C?@D' @ +
+ , A' , E +@C2'C@J- @'+) A' ' BC@-JB .> ') ;KLK' .)
0 &- '8;K=M(,'LOP' B@') -JB .> ' B B' -A+ A@D'
+B@' E-A@' - ' '%-CA@, >' ! J -' 'D - @C@D' A' ;QKN'
;KM<' 8 . ' 0 ML' ! >JB ' 2' +B@'E> ,D@C' - '+B@'
T B CD' &GC ? D' B B' -A+ A@D'B ' C -JB .>' '
% ($ +J' &>$%" !' , &,& -) 'SSS 'LON B ' = ' '
' * &) - ' %% $) $1 ! +0 -A >?@ 2 .@A@C ,,G'+ @' 'D G'
,,'+B@' ,@ B'+B@C) A' A+@CC@D' ' -'+C>@' ! C -JB .> ' +B@'
E@,,G' SKW!' = . ') , ' *0 A+C-D'S 'K)' B@'? -A +
J C +) BA- ;UQ+++^S ',@ CA A.a2 + @A A. A+B@ +-AG'
C -JB) !' - ' 'EG.-A@' .@' ;KQN +C' C&),. >'E'
8;KQ:(<K B@' ? J@C-C' 3 -+B2' @?@C.@ ' C-?' +' B -? G' +'
@')E .> ' +B->' + B A.' 'B C- '+ ' @, @+') ' A +' +
' ,@ B @ + A.' J@? -A' -C' A ? , ' ' ' (
;M;Q' %-+CE !' %0' ?*0 !" ;;'S' =ON -' C A -C? +-C 2
A-' + E' > .@' $,&* $ (' ' '%GC ,' E@AD' B ' J@AA@'
. A +' B ' $' ! ' =O<' / C' OC- AD' @A' AY
-C?' ?@' T' B@C@' C@'?@+' +B' A' G,?' '$,&* $ (AY
D D> ,' B-'B @'D@ C@D' +-'@ + B>? A' G' ,@ B
A@ - - ,@C' A'C@ @A+' / @+
$ JJ' B) ' ' , " ,!0 , !0 ;N=P' 5 . 'KQ;' ' 'J@D@ + ,'
D@ CD ' B@C@' 'A'-J@A' C -JB .> B J@D' A@' - - ,@C'
E@A@ +B '% +-C' C@' >AU' A+-'+B@'J, A+B'-'+B@' C -JB .> '
"@A @' ! C- - J, > ' ($' ((+-' D@J- +' -C'
@A ,- @' A' ' C -JB .>

SKM' 3 ' = B . ' A' $, -0' $ 0 0 =M=' B@' B AD >,'
- ' ?@C@'D> +' +B +' ,@ ' ! C -JB .> @D' A' +-A@' AD' ,@) '
;KKK' 7 ' " ' " ' 7 ' - 0 &%' ' JJ' L<;' !B@)'C@ + '
A' ' @D.@ B J@D' - A2' B B' ' -JB .> @D' +B A' +B@'
+- ? E' A' +B@' JC@ EG+@CG
! C - *) A . G' 8)V 9DP (' $' 0' ^ D' C'
$$*V *$" $('$$*5& *$"&' M @@'JC@ ' AD' "1 7 V'
B@' JC + @' - '@ + A.' ,@ B
;MPN' ' ' 8 'C) 0' %0' A'SS '8;MPK(ON<' B@C@'
'A-' ! C -JB . @'E@ -C@'+B@' ,- - D' ;<N;' " ' ' 9 . . ' A'
' 0 !!) 0 - ' ;;0 B@'? - @?@A+' . A +' @Y
+ -A2 -J > ? 2' , -B -,2 +-E' -2' C -JB .G2' AD' +B@' ? ,@' @S
! C@ - J D@' 8 UJJ)) (' ? ? ' ' 0 ^ D' ' .3'
&* '8 @E UG' ;K MK (2' CC@. ' ' C' $$*V3(? J' ,@ E'
i' &%' ' . B+ a' &B- JB +@' - ' C-A' AD' ? A. A@ @'
@SB E + A.' ' ,@ B C@D' -,->C' -C' C +>C@
;KQQ' 5 L.0 '0 L=Q ! C) +D@) @ C' +C,J, +@'
,,@G' - '+B@' 3 >B,E B2 ! ,@
! C - J +@ 8 UJ J+ X(' N&&!0 ^? -D '8 '
+C@ ,,@' ;KN=(2' CC@. ' ' C' $$*'T($ * ' ,@ B i' DC '
g '+-' >+ a' ' .@A> ' - ' J C +@' ' - ? JC A.' +B@'
+ B ? +@' ' ? +@' - '+B ' .@AG
;KQ=' ' ($0 0 : A' QW B@' + -'.@A@C ' A' l>@ + -A'
D @C' C-? '+B@'+C>@' $,&*% ' A'A-+' J @C A.' A ,' A'+B@'
@J D@C? ' -'+B@' C'B- +' ;KQM C$' '? ' ' G' ' %- 0'C$ $3'
'!LL' -'-+B@C' J@ @ 2' E>+' +B- @' - ' ! C -J+@' A' E@'
+C A @CC@D' C-?' A ? ,' +-' ? A' 1 0 ;LP' ' C -J+@'
= 0 -) $' +' B B' JC-D> @' 'D @ @' ? -A.' - ,
" MA @' ! C - J + -'$0' > @D' EG' + B -A +@ '
SKKM '&%' &) ' , !' A' ! 'O= :>,G' ;MN L' 'B-C @2' 2'
-C'? >,@' @ +@D' +B' C -J+' ? A.@'
K LC% N! S @8 >U) A(' -(6-' CU- ? 8@2'
S- - A2' ^ ' ' $ ' '8 @E .' ;K=Q(' CC@. ' 2'
C' $*V3' @DJl' ,@ B' ' 'A +C-.@A->' >E'
+? @@) -A@' - '+B@' -A + +>@A+' - '@C@ ,? - ' ? @+BG,'
., G - - ,, '
;K=K' < - 0< $0('=' ! C - A@' B ' >E + A @' ' -E'
+ A@) EG'E- , A.' ' +>C +@D' -,>+ -A' - 'UC@ A@' +B' CG Y
+ ,, X@D' BGDC +@' - 'EC CG+ ' K)Q = . ' ! - 0 - 0((
'LOL' + ? D@ ' ' - ?@C ' +B' C - A@' ;KM<'
! - 0 - 0 LKL' ! C - A@' A'E@' C+ ,,G' JC@J C@D' EG'
+C A ' >J-A' ? -A- B,-C @+ ' D' +B' ?@ EG, ? A@
"@A @' ! C - &A N'=[8 +@' l> -6(+' G
SKQQ C $ - $,0 % ' !0 N' JC' KQO O 60 "@C+X B '@S+C +@D'
C-?' U 3@S 'A' J@ @)' - B@,, , -2' +@D' T !-? ' D@'
! -A-C' 2 B B'@S>D@D' C-?'+B@' - & $' &,, $('E-DG'
B B' B'@ B 'D@ .A +@D' T C - A ' D'
'+'! ! E @# + %G' AD' 1 0 1 0 ^ D' ? -D ' $C 3'
E % C2' $$*V&- , (',$*'& '8 @ ! 0%# 3 (a'
' B0 &C- D> A.' ,@ B' AD> A.' +B@' .C- +B2'
- ' ,@ B')* 09 . '
;)LM)7 'C $ %0 C * , .' H B' ! C -+UU' C@?@D @ '
;MK=' +C'?& ' %' ,0 & - * 0 '? 'K;' # A+? @A+' -'7 - -DE A@'
' ' ? - + @S @,,@A+' ! C -+ U' 3@D A@
M' 1 0 l Q 3
;M)' B. ' &)>' *0 ' ' ;O<' B@'E@ +' ! C -+ U2

! >3 $A @2+B@CJ' ' ?> +' +' +>C@' + ' A '! ?S-+ U '
;MQM #' ' $ &2' - '8;M;) AC2 S'O;#' 6 @'
C +' S @@D@A+ ' AD'+B@A') C -+ U
+ ! ,+; % # + ,2 $(+AD' 1((H '^5-C?@D'
JC@ ' @@' " . V' PJC@
4MLK ') .) 0 S'ML' ,,' ! C -+)6' ?@D ?@A+'
- >.B+' +-' E@' -GD' - ' B CJ' >AD' E + A.' # > D +G' ;MPM
) * . 'C $, 0' C " , 'OKP 8 'E- ,a' ' >C@ 'EG' >JJ>C +Y
A.' ?@D ?@A+ ' +@C'+B +'EG' ! C -+ , ' $ l l ' R
B@C@' A' 6' B@,J ' 3 >C@2'+B +' + +'.@A@C +@' ,@!B' ? -C@' ,G' 2
! C - > ' 8 :UD (2 $(^ ' C' &$* V3(%% *1' ,@ 9'
i' -> a' %-A + A.' - ' ,@ B' -C' ? > >, C' + >@)'
> $,&) ' ! - ' @@' l> -+' ;K=N
4K=N 7 ' 8 ' A'C E' $' 0 % 4 4 4 ' =<L B@' JC Y
? + @' >,' - ' ->A+ CG' ? > ,@ -A + %' @,-A. +@D'
J-,G,-A ,' ? ' @'- ' JC ? + @'@-?J-A@A+' J C+ ,@ 2' -C' CY
->' ' @,@? @A+ ' +BD' @? E, .@ - '+B@ @ ? 8 C+ ,@ 2'
B)' ? G' C- - +' JC-J@ G'E@' G,@D'T'! -J '+ ? >@' ;KQP'
L [5% !' , OC!0 H0,--'& C ,,@,-.C ?! - C@-> ? ++@C'
;K<K !!1) >' " 0 ('K<N B@' JC- @J' ' ++G' D@Y
.@A@C + -A' - '+B@' CD '?> ,@' -A + 2' A' +B@' .C D@'
C@J, @? @A+' - '+B@' C@J>!' @,@? @A+ ' ++G' .C A,@? 2'
' ! E C >, +@' ' ($ (^ 2' JJ,' +@?' - ' , +@'
' $,)!P ((' $,)) - ' 8 @@' ! 0% (a' $' 0
-'B-%+' ! -' + ' ! S->, + -A' B-@A.
S '%- 90$ 3 2 $,)!$ (+-' @@D' $,)!$ &' (' @@DY
A.' K>JJ' B..' & 3 & ' ' 1('MO B@C' ! C >, Y
+ -A' >@D'E>+' ?-A. + ? ,' F> A+ +@ ' - ' A'%-CA'
! C GA@+2'-E ' -C?' - '
Z
! CD' 8 D(2' 0 ' ,-' =' CD@' ^ A' ? -D'
' JC-E' ' $ $ (D' ' $ $(' GA-AG?' - '
$) ']
A' l> -+' ;LKO D' ' $) ' A' l>-+' SM-C' D' ' $ $0W'
' C @+G' - ' = ' ;2 CG A.' +' -,->C' C-?'
J ,@' .-,D@A'G@,,- '+-'C@DD B'-C A.@'
R((9 . 1' 5& (SSS S' ;N AD' B@' J>+@' A' +' ->C@
-CDC@' - ' .@? ? @ ' A' +B@' @@C' ' CD@2 +-J X2
? C .D' SM-S' ' . ')'C! ' " 'M;K B@' AD A' ! CD@'
-C'%-CA ,, A@' C@' +C A J C@A+' ;KN<' :))') !('0' '
OOQ' B ' C @+G' ^- '% CA@, Aa' @@?' +-'E@' +B@' CD' - '+B@'
JC@ @A+' D G' ;KSP' $L 0 '0 8@D' O(;KN ! CD@'
;KL<' * ,!0 'PQ> B@ ? D' - '+B@' >?, B'*@ @6@C'
$$' ' ' !+-A@' +B@A +>? ' . +@' - 5'< '? 4 @ '
SSS S2' ' A@' CD2' @ A) @D' +B' ' >E*@ +' C-?' " -?@C'
<N;' F' 0 # +' =LN B@' - 0 ' ',-D@A' CD'
$ 1(SKKS . 7 3 ' (' 0 QN' ! CD +-A@' C>DDG'
' A@2'
! + D' 8) D(2' $(AD' 10 ' ^ D' +' $ &B' ' $ Y
41) 0+' ' '$0 AD' 10
\ + ' 7 2' 'A': ' ' "@C AD' ,G 'D'
';;KPQ(K;' 0- +' ? AA 'EG' @A-@ @2' ! CD 2' AD

@ J-6 A ' , K * 1 , 0 > ' ;=0' B@' ! CD' - +>?@' S $

! CD' B-C @ ,

/ 0 1 0 , -'P @CD ' ^ A'# ' -A,G'-A @

8 -C+B>?E (' A' ?J' (JJ' ' # ' 1$ 8 +C'

E (3 ' ' ' 3 " 2*. C,G ? -D ' ' 0

' ? G'B @'B D' +B@' A-C? ,' & $'0c] $' 0

f # 1 ' 'O' "@A @' '! CD A.' 1 ' 10

%<PN ' %0'<& *0"' $ 0 'OQ @' @C!' H' ' -!C@ ' ? -A@'

' S= W' $ 0'C "0 ;;ML' A' $, &'C!$" ' ;;O' J AA@'

? G +' :V->' E>6GA' A' :V E->C 2 \' @CDGA'. G'.@C,G ' $/J+'

$ " ' 8@D' A.(' LNOK' 5C@ C 2 F>B,,U' ,,2 -C J>C. A.' - '

+B@ C'A@ C ' ! CD'>J' +B@' + 'C 2 AD' D->A' +B@'>+B@C' $/O '

$%JO' ' 8 .' ' 0 C & 0 ;Q -' +@ B' G->C' C AD ?' +-'

CD' ' -++) B ?'&C- @CE

H = + ' Q , K $ O$ $ $, 'D

' 9 ' 1[' ' Q ') ' $.

$>+%' . . 1 '8@D' 9@C @G(2 $ $, $ (' U AD' - ' . +@2

- ' '%-CA@, A'%-,->C' ;KOK)L' 9 !' $ $, $ "' +B@'

,->D@D' AD' J-++@D' . +@' - ' ' J ,@' ,@ B' -,-C' A' -?@'

C@ @A+' / @+ ' 2

+! D 6 G' $0 1 0 $ 0 =B5 D 0 $ & -) '

8 +B' >JJ- @D' -CC@ + -A' - ' -C?' +@C' C'

* 1$ - +0]' G')

L% ' 7 . ' ' =L2 ' E ++@C@C' +-' +B@@' +B@A'

! CD A' .C ' B ,,' @@'?@

8 D A J)D A(2 ^ ' b'

$ $- * !) "' C' !) D -G2 +B@' A ?@' . @A'

EG' C'B +-C A '+-'+B@', +'U A.' - ' A@ @B2 JC-Y

@CE ,' ' +B@' +GJ@' - ',>S>C ->'@ @? A G a' $@Y

@?E, A.' ! CD A J ,>' AD' B ' ++C E>+@ ' ,>S>))'

C -> ,G' @ @? A +@' ' !-' ' ! CD A J 6- ')0 8 A'

I>-+' @CC-A' 3*$' ,$!!+0 ' ! CD A J , X@'

$;PLP') ' ,$ ',-' >? ? ' +B' ,,'B ' ! CD A '

J ' ?) ,,' ?@,G@' <MQL' = 3 . 5PII' $' *0(;; OQ<' 1 ->'

?> +@C'>J' ,,'%BC + A' &C A @ '=-' @C-A X@' AD' % , .>, X@'

+B@ ?2 >A,@ ' +B@G ,,' B> @ +b' E@' 6 ,@A J @..@D' AD'

! CD A J , X@D' EG' G->' ;KML' ' ' A % 4'

' , 0 ;;Q' "@'^ >.@A@' !>@(' >JJ-) +-',@ D' G@CG'

! CD A J ,+ A' , @' ;KQM' 0 : ' 3 ' &) '?& ' $' >'

O)' A'" @a' , @D' A'! +D A J , A',>S>CG

! CD A@2' -E ' -C?' - ' ;5 *

! CD A I>@' @@' ']

^! CD@,2' CD > ' @@' &%' *)' - 'C" 06'

8 AD@D(' , -'E G CD@,,2 Z3 ' $ '

D@,' ^ D' +2' $!!$"'D ?2 - ' $ $' $ ('

C2' -J! *' CD A@' % ' 5 ' $!! ' 3 M+B' (2' '

$!! ' '/>' $!!H' B2' * $ -C' $ ' !! '

C@ @?E, A.' +B@' CD A@' AD' JC@J C@D', U@' +'

A' @C+ A' 3 @D +@CC A@ A' J-C+

;P<K' - . !' $!! "' ' , ++,@' J U,@D -C ' B', U@) A'

A B-> 2 ' JC + -C' ' J , B@C2 ,,@D' ' CD@,,' -C' CD A@'

;MPQ'%' ' E' ($ $,(9' *E2 ! CD@,,' B' ;Q=W +C'

&!) - !!$>') (A' S 2 +' ' JC-J@C' +B +' C-++@A J ,Y

B CD' B->,D' E@'. @A' +B@?' AD' CD@,' -A >?@D' +B'

,+2 AD' C-++@A' CD B@ ' ;Q<' 7 ' 2') $'

) *0 ' 4M< A B- @' AD' CD@,,@ ' ;KK<?& &''83 V

6 - !(;< / @ ' O K' %@C+ A' B' J>+' JJ' A' EC A@ A' - -D@A'

J U .@ 2 AD' UA- A' 'T CD@,,@ g' ;K<M

' 0 $ ' 8@D' #' ' MM A B- G' - ,' -C' CD@,' - , ' C-?'

' $)E ' ' $, &) '%>' +B@' A B- G

! CD@A A2' D@AGU' @@') !") L'

! CD@- 2' ! CD@GA' @@' ! O/ 2) '

8 >D A(2 $0 AD' 10 ^ D' ' $ T'

') (' C' $* &(-A ' 3B 9(' $*) ' J 2

(0 $ ($ (+B@?@' -' +B@' A @A+' J+ , '-

GD a' ' $ B0 # ' -C' J@C+ A A.' +-' ! CD

$ $' '$,&' "' ') ' ' B@ +A>+2 $ $' $' ,$0 $ $' '

&' 'G')' 1W

SPPS' B ' 1$!' '8;PMK("' *2 % + A@ ' ' A ?@D'

A' @A.,G B@' ' B@ A>+' +C@@ B@' C>+@' - ' + ' ,,@D' - '

-?' . , A ' CD A 2 +B +' ' CD B@' -CA@' OQS=' B)

+-A@' ' @@A2 B@' +-J X'G@,,- 2 AD' +B@' J@C' .C@@A' ;KLD'

+C' ' &* 02 ', $- $' 'C @,,'?@ ,@ C,G2 ',@ +' 'D J'G->'

A' ' ! CD A' DG@' ;K=Q < ' < ' 2 S ' " 'L=L'

" ' ?-A>?@A+ @C@ +@D' A@ C' ! CD 'EG' +B@'*- A+' @ -C+ ' -'

+B@' B-,@' ! CD A' J-J>, + -A

O ' 10

' A' AB E + A+' - ' ! CD

;PP)' < 8 ' $,) "' ' ' 0 ?' S '8;MOO(KL' B@' ! CY

D A EC->.B+' A' ? ++@C ' - ', ++@C ?@?-CGL' S+@S'

B. ' 0 ' 'L' 1->' B >@' -AD@?A'D2 AD' A-+@D' > >'

&@,, ' 5-C' + U A.' OC E@ ' B@@C@' - ' +B@' ! CD A '' ;K=M &'

- ' ' +C' ' ' 1 ' &- ' 0 C 0 S, ' ;=' &@-J,@'

->,D' .>C + @,G' ,,' ? @C E,@' ? A' ':@ 2*> +' ' , C'

@C@' ,,@D' %C@+ A 2 'C@+ B@D' , @)' ! CD A

' I $ $' ' & ' 8 @@' (2')' 10

;Q=' ' " !0 ' B@' ! CD A' 0 ;QOK' + - ' ! C'

D- A')?- + > @D' -C' @ , 2 ' C A.'@ 02 G@+' + U A.'

A@' J-, B' SKM-'%' 7 ' 7' ' 5'< - ' L<K' ^+C' 3 CE-D> a'

B@' E,--D C@D' ! CD A' +- ' + ' E C+BJ, @' - @ ' + ' A ?@2 +-'

! CD 2 B@A @' +' C' C- @

! C? A@2' -E ' ! ' -C?' - ' ' ,

+! 'CD %' ' 1 0 $ 3H' A' 9' ! CD I>@'

^ ' ' $ ' 3 ' 8 @@' ' i a' &

$,' &' 0FF # ;' 10

$/ %' - '? $0' <' ' ;' ;=0' B@' C +2 ' ,,@D' ' ! CY

D I>@' +-A@2 AD' B@ @+E' A' >6 -C' ,GU@' A+-'C@D' , @

? 8 D A(' 5-C? '] -CD 6 A@C2'

CDGA2' ,0 CD A@2' M ' CD A@2' ^ D' , +@' '

$ ') (- @ACC A.' A'+B@' >,. +@' - '$@ ' ' L' 8 '

+B@' .@A + @' $ ' ' - '+B@' > A ,'+@S+' E@' ' ? + U@'

-C' T' & ' E>+' +B@' -CD' ? G' B@' +B@' .@A + ' -

T $ &(' ' C'&$*)(.@A +'3 & (-?@'.@?(2 B@C@'

+' C@AD@C ' C'$$* & (' C A+' C@ D A.' -C' CDJ'

K8N"8-C'$$* & +') B !' B B' ?-D'@D +-C' D-J+

B@' C' C JK -W - >C' A' -A@' -+B@C' J .@' 8 @@' ' \'

! (' , +@ ') $ ' ') ' ' I>-+@D' EG' / >'% A.@' C-?' +B@' # ,D'

+ A' @C -A' - ' &C- 'SS ' ;O' # 5' $ ' ' ;O+B' ' ? G'

J@CB'C@JC@ @A+' +B ' -CD2 -C' +' ? GE@' ' C A+' & $ & ' '

8 @@') DV

'JC@ -> ' +-A@' ?@A+ -A@D' A'$@ ' 'L' A' +B@'

A-A O E, ,'@S ? J,@ ' J@CB' > @D' -C')

;L ' 0' (' ' 0'C 0' O ' ;=M< AD' GC@ 2 \' CD A@C '

^' ' $ ' CD A@ a2 \' @?@,G'+-J @' ,'4LQe' ,0 0 $ '

' = &- $ +' OQN' &C@ > @' + AG 2 ' CD A@2 +-J ' GA@2

, J ' $J A' 9 . 6' 0 ' L' *U' +-' +B@')+' - ' ' +--A@'

J 2 AD' +-' CDGA' ' =) 3' 8;KL<(' SS 'OQM

/ @ .C@@ ! CDGA @' ^$-SE'SSS' ;LM CD-A@*' $/A%' K

/ ' ' 0 ' L' GU@' A+-' ' J C' +-A@2 AD' CD' ' CDGA@'

+-A@' ^ -' SMSS' S S' = +' CD > a') ;PQ=' +C' ' $ 3'

!& $ >' ' *&,$! * '8;PQK(' LNN B@' S+' ' ! CD A@' B ' +-A@'

' ,' - ' -A@' -,->C',GU@' E,->D

' 8 3 CA(' 5-C? J ' 1 %E) '

' 1 % E) ' ' ' 1 %!)' 0 ' %) . ' ' 1 %1) '

' 1 %!) ' ! %)1' 0 %!)E ' * 0 ! %)1 '

%!)1 . ' 1 %!)1' 0 ' * 0 1 . ' ' *1 %!)!1

' 1 %!) ' ^ ' 5 ' $ ' ' D' +' $ ' $ C '

$ V'8%-,>?@,, L' 26', +@' $*1 ' 1)%' " 1$'

*)B . ' $ $(S' C2' 4 $*1 W(+B@' CD A@' ' -?@'

? , C' B' A' +B@' ;Q+B' AD' ! +B-' +B@' + , A'

-C?' ' - +@A' > @D

B@' + A' AD' C@@U' -CD' ? G'E@' C@, +@D' +-'+B@' A ?@' - '

+B@', AD2 ' $ ' $"' C' ! JK ' ')'$0+

' ' ? ,, B' - ' +B@' "@CC A.' ? ,G2 !) * $'

* ! .$) (E>AD A' - +B@' B-C@ ' - ' ! CD A ' AD'

OC ++ AG2 -C' 'G->A.' J , B CD' - '+B@' %-CA B' - +2'

B@A' >C@D(JC@ @C @D' +' - ,' AD' J U@D' A' + A ' -C'

-+B@C' @ ' -C' ,@' ' ' + E,@' D@, G

' ;=LN ' &&. ' ? . 0 O=' ! CD@GA@X' ;P=Q)

' & 0'V ' & 0SS ' ;<P2 ;' 'E-CA@' A' C . -A2'' 3 G'

E U@A2 AD' CDGA 2 ' D-'@ +@' AD' @,' ;PKN ' .

$ 0 ' & ' "' $!! (' &)' $ ' "0#,'U AD@' - ' D @'

,,@D' ' ! CD A@' ;PKL' - L ' 0' % 0 8@D'=(OSP= ;' ^ +'

$- B@,,@(+B@C@' ' @A+' +-' +B@ ?' @>@CG'D G' ?' +B@' $ >@C'

8EG' +B@' B AD' - ' +B@' -CD' A- D->E+(' ' .C@ +' ?>,+ +>D@' - '

+ B@' 8 ,,@D' !>+D-A@ (2 ;PKP' I 9 ' 87 ' +C' ' , &!$"T '

&"0 'S ' ;=' B@C@' ,@ ' ' B' A+-' ->C ,6@' - ' +B@',@A.+B2

-,->C' AD'E .A@ @' - ' ' .C@ +' CD A' SM-S') ! ' "

' O=' B@' & U@' AD' ! CD A@' ^ ' ' $ + EC@@D' + @'

G@C@' $'S OL' - . ' & ') ' ' 2' '& , B@C2' ! .A -C2

' ! >CD AG2 A' #, @C' $';9_\']' & 'C ' ' ' 2 ' ,0 "@'

,--U' ' B@' ->,D' @ +' J C+C D.@2 +B ' .>@ +

7 +B' '! CD B 2 AD' [A+' - ' ' S- K' ' I ' 8 'C) 0

*0 ' 'SS ' 8@D' L(;=L',, @' $@, I>@' C@' , U@' +B@' U ,@' - '

!) D A- ' JC@ @D' A+-' ' ? 2 ' B '

' ' , '< #>C' OC@ U +2 O' ' S' / @A C@' - 2 AD'

-A@' ! CD@A ' JC@ 3 A' 1 0 =N #>C' !>JJ@C' B@C@'

+ @ @' - 'OC@ D' AD' + - ' ! CD A @ ' ;Q=N $'

&%' ' ! ' ' 4SS+S' ;PQ B@C@' ' A-+B@C' ! -C+' - ' 5 B' -,D'

A +@ D' - ' A B- @ ' ' ,, 3' ' ! CD A2 B DS' ' @CG' JC-E E,G'

'G->A.' & , B CD' 4QQQ ' 0 0 ;Q<' 5 .>C@' +-' G->C @,

+B@ @' @@D A.' -A' A+G' J-C+ -A ' - 'C-++@A' CD A@ ' 4KPN

' ' ,B ') &1 & 0 ' S ' LNL' B@' A B- @ 2 -C ! C'

D A 2 +B +' @' @ +' ;KM= ' * & ' ' ' - $!$"$

8;KMP(LL' 6 A,@ ' ' B--+' -?@+B A.' -C -+B@C2 ' B ,' B @' +-'

,'E U' -A'E >+' AD' CD A@' ;KQ<' ' , !0 ? (4'

OPL 0 %>C A.' @ + E, B?@A+' @+@ @+>J 2 AD' '%-CA B'

CD A@ 'U' -C' 'J , B CD ' A' - , 2 @C@' JC@J C@D' +B ' > Y

@ 2 ;KKL' ' 5 10 $ $!(O;P' !J @D' ! CD A@

3 > + CD' ! CD A@ # ,' ! CD A@' R&&' ' , " ' ? 0 4 4 '

PNQ 0 A-+B@C' - ' +B@' !)* $' = 0 ,& -1 '$+' ' +B@T- . '

CD A@' - ' +B@' @ +@CA' - + - ' +B@' AD A' &@A A >, 2

E' E0 0 8!@@' I>-+ (

;KQM <) ' ' - 0 &) , ' E0 0 84KQ<(;KM 8! ? +BY

-A A' %-,,' S 4 (' % AA@D' ?@AE D@A+' A' -,2 T ?@C A'

CD A@ ' % AA@D' B@CC A.2 ?' J,2 T $> A' CD A@ U' ;KK=

<) ! @+ ' $ 0 (D)$,' ' - 0 PQM B@' > '3 @AY

B D@A' ? && $'*$ &')]'B ' @ @C ,' @CA >, C'>? A@ '

+' 9@G' 7 @ + +' ' ,,@D' ! CD A@' ' 1 0 M;S ' J@ @ '

- ' A B- G2 &! * .& ' ? &2 ' (' @S+C@?@,G' -??-A'

E->+' 5-C' 3 -A2 B@C@' +' 'UA- A' ' +B@'T' ! CD A@'T(

%') $!0 8!@@' I>-+(

!K<K 3N$$;P') $!' ' (($ ' (' C@ B +@C B2

$ 1) ' 1($ B CD 2 - ' +B@' B@CC A.' +C E@

/ ' $ 10 AD' &-10M(' $ ' '%$, & "(' % . "H'

CD A@ E-S2 ' E-S' A' B , ' CD A@ C@' J U@D'

, -2 A'-CA ?@A+ ,' E-S' +-' E-,D' CD A@' -C' +B@'

+ E,@' CD A@' B@ C '8 @@' I>-+(' ' CD A@' +-A. 2'

+-A. '> @D' A' @C A.' CD A@' ' CD A@ @'$ 0(

,U@ CD A@' A' 'E-S

4KQL') ' * * 0' . 31 .0 O=' B@'EC ' D) ' -C

?D @C+ @?@A+D E@,' >+' C-?' ' K CD A E-S' ;K<0 ' " ,!0

C $, 0' &&. "'8@D' CC@++(' 'LQ< 0 #CA ?@A+ ,' ! CD A@'

E-S' ;K<;' ' $-10 % - !0'Q 3 C' ;PP ' B@' CD A@' Y

+-C @' - ' 9@A+' ' ;KP< # 1 ' ? ' $' "'S 'O<L' +' @AD '

@ @C ,' E- + ' +- ' +B@' ! CD A@ B@CG' ;KK=' 7 ' * ' (

, 0!>JJ,2 $ ' ' $ 0' -C ' -C' >++ A.' -J@A'

+B@' + A' E-S@' -A+ A A.' CD A@' 4K<P - "' ' $ "'

&"'B*0 &,(C' ' C' ! CD A@' -A. ' ;K<=' ' B '

!1 "' ' S - B@' .>@ + ' @C@' A-+' J D@@D' +-.@+B@C'

CD A@ @2 ' +B@G' C@' +' ? - A @C+

! CD A 2' -E ' -C?' - ') ' I

! CD A A' 8 DCA)(2' AD' $ ' $'

8 @@' E@,- ( ) " a' $ ' $ B0

2-C') C+ AU.' +-' ! CD A 2 ' @ +B@C' ' +B@'

, C.@' , AD' D* @A+' +-'%-C 2 -C E ' +B@' U A.D-?'

- ' ! CD A '8;QON ;KP<((B B'B D' + ' J+ , ' +'

>C A2 AD' A ,>D@D' +B@' , AD' - ' ! CD A ' @,,'

' & @D?-A+' AD' D* @A+' +@CC +-C @

;Q)' " ' 9 .1 . ' 0' &' $' ' 'O< JC 2 B@' ! CD A A'

3 A' +@C B B C@ > @D' +- ' .A' +- ' ;K=;' 9 ' 1 .) 7' $!"'

' (0 ' L=0 B@' ! CD A A' !+ +@ ' B@'D-? A -A'

- ' +B@' 9 A.' - ' ! CD A ' -A +' -P;' JC- A @' A' ,,' SK U

% ' 0 < ' ' !'##\' +' +B@' ! CD A A B J@,' ' ' &' &'(B@'

+ @' JC@ B@D2 -C' + - ' -A @ >+ @' !>AD G ' ;KQM S .

\' 3 ' ! 0 0 8@D' L(2 $ ' $' ') (--D@A'

B>+' ' ? D@' EG' ? AG' A., B' - @C' A' +B@' %C ?@' AD' EG'

+B@' ! CD A A' -C' +B@ C' ?@A

/ ' ' 6 @D' -C') (!) ! E' +C A ,'

- ' ' $ & ') (' +B@' @J +B@+' - ' +B@' J, A+' JC-Y

D> A.' T' CD-A ' ", >.B+@C' 1 0

MX' 1 ' ' " 0SS '=PQ' ', >.B+@C ' ? - +' ! CD A A2

7 +B' -CA' AD' C +B' ? S 3' $%O>') (0 C$ 0

' M;' 3 G' 'E@ - ?@ $->.B' ' ' O>C2 D@ -C? D' , U@' B ?'

B-' B ' ! CD A A' "@CE .@' +-' -A+C +B ' ' ;QPO'

' $- 1! ' -'SKK&=' 7 B +' +B@' + A' ,,' ! CD A A'

>.B+@C2 'D +-C+ -A' - ' +B@' @' +B->+ ., DA@ ' - 'B@ C+

$ ' $' ' $,& ' ' & '12)')

;K<P A' ' 7 ') ' ' , " ,!0 $ 0 ;K<Q A' " 0

&,0 50

0' 10 A' AB E + A+' - ' +B@' , AD' -C' - ' +B@

U A.D-?' - ' ! CD A

$/O ' < 8 ' $,) (' ' 0 'S '8;MOO(;N< ,,' +B@'

-A+@A+ - A' C@ +@D' E@+ S+' +B@' ! CD A A ' \' ! ?GCA @ A '

;Q=K' " ' 3 .1 . ' 0 &' $' 'ON JC 2' B@' ! CD A' A' +-'

B @' +B@' @ -A ' ? D@' +-'B ?'EG' +B@' F>@@A' $>IJ B '

C&!, "' %' !! ' 7U ' ;=0 0 AD' - ' A.+ B2 !J A CD 2

@ J-,+ A 2)' ! CD A A ' @+@ a' ;<NK $%"' 2 'O<!@J+'

=' B@' ! E@C A ' AD' ! CD A ? ' ^ ' -S@ (+B +' C@' A+C-Y

D> @D' C-?' + ?@' +-' + ?@

'! CD > '8 *D) (' , - '=2 M' CD 2'M' CY

D@- 2' -L(-> ' , -' A' +B@' A., @D' -C? 'M

CDG@2' Q' CD @ ' ^ ' $) ' 8 >,. (2 D' C'

,$* & ($ * & (' * ' ! CD ' @@' & '

' JC@ -> ' +-A@' ?@A+ -A@D' EG' A @A+ C +@C '

@@' & ' 103 46B @ ,G' A' +C A , + -A ' - ' -C' ,,>Y

-A ' +-' +B@' O E,@' -C' , ' C +@C (

$J K 9 . 6' 0 .0 SS ' ;L' B@' JC@ -> ' +--A' +B'

U@>@CGA.@2 CD A ? +-J > 2 AD' J ' $JO+' < 8 ' &' 0

'GO B@' !+-A' B B' +B +' +E +@CC@ ,,- @+E' ' ! CD '

$/A%) ' 0SS+' ON B@' S+' CD@-'^4P)'8 @A@ (

! CD -> +' ;PLN] ' 5& 0 SSS S ' ;N ! CD - ' Y$/J/' 3

) . ' ' ! 7 a2 ' -J ' AD' ? C .D> ' 5 8 = 1. ' < 0

& ' 4< B@' ! CDG@' ' U AD' - ' @? ?@' C) ' -,->C@D'

;P<;M) 7 ' QM' B@' +-A@' ! CD > 'B ADC@+E'

+B@' JC-J@C+@ ' +B@C@- ' ^ 7 C +Ba' SM-K 9 ' 5$*!$'

5& 0M=N B@' CD @ ' AD' -?@ B +- ' ' @C @' -,->C

SMSS . 5& 0 SSS S'S-' SMKX < 8') -' A '

' O<N B@' ! CD > ' -C'%-CA@, A' KMW :' ' Q 7

C !!$ '&%' '8;KQO(O;<' B@C@' @C@'JC@ A@C' +@C B A+' C-?'

AD' +B' E-S@ ' -+ JC@ -> ' +-A@ 2 A ,>D A.' +B@' D ?-AD'

AD' @ CD > ' n

1 0 5-C? ' L P' CD-A@2' L'

CD- A@2' P' JGA@2' Q' , CD- >' ^ ' # 5 ' $ & ' (

D' ' $ &' "5' & !(' f' & !(

$' 5 B0')) ' &"' ;QL' A' 0' X 0' ,0 <K " +' J@U +>' - '

@AG' +-A@' U +' E@-U' A' @C+> # ' J@' - ' JE C' - ' CD-A@'

^@+ a' ;SLNN !& 0' % ? !0 OKP' J@' ? ,@' +-B@ E@-(' ' (V@C

>AD@A 0-B ') B C ' AD' CD- A@ ' =S=NN = B) 3

8;KL<(SS 'OQP' B@' JC ADJ ,,@' : +@ ' - 'B ' & , G 'E@A' - '

JC@ -> ' !+-A2 +B +' ?@A' @,@J@A' ! CD-GA@' H &51(SSS' ;LM

CD-A@ *' SM-C' ' ' .)'C! ' "' M;P' B@'.C->AD' - ' +B@ @'

! CD- A' ' ->AD' A' +B@' AD A' + -A@' +-'C@ @?E,@' S' -C

E-CA@

i' ! CD- >2' $0 1 ($ %"' ^ D' ' $ &') '

8 ' A,>@A @D' A' -C? ' EG' JC@ (a' J +B@+' - ' +B@'

U@CE' E,@D' +-' JC-D> @' ' CD-A ' , >.B+@C

;MLL' & ' - . ' C) * ! ' E' ' =K' B@' ! CD- A' B@CE'

+B' ? AG' EC A B@' ' ,,>J ' " ' ^5, ++@CG a' 3 DD2' ' B '

D@ @' +B@' -CD2 %! $ ' ' ! E' 0 '

*1 %) ' C') ' 1 0 82. !' CD-AGS'

) ! , -) G' $0 AD' 10 1 0 4=7 9' C'

D@A A' ! @@' , - ') ' $0 #0 ^ ' ' $ '

&') 3 0

B@' + A' D*' ' D' +' ! -JD- +- ' ! CD A A2 B B A'

+@' C' >E + +>+@D' C JKD +-* 8" -)@C+' + ' -'

-,)>C@' JC . AU' '+B@' D@ C J+ @') +E@+' - ' E ++@C'-C' -CAY

>,, >) +@C ' +B@' ? -+ @ - ' ? @' >E + +>+ -A' W +B@' A-+ -A'

+B +' +B@' -CD' B D' JC ? CG'C@ @C@A @ +' - 'B@ ' +B@' +@' - '@ + A.'

'T! CD A' J, A+'8 ' 1 ' $ & $' -C' $ $+(B B'

D' +-' JC-D> @ +B a

, >.B+@C2 > > ,,G' -,,- @D' EG' D@ +B a

f' & '1

7 ' !$' , 0 SG +' <<' B@' J@C+>CE 6-A ' - ' ?@'

, A E-, @' C@ -?@+ ?@' A)C)' A' JJ + >A @2 +BC->.B' '

U AD@' - ' ! CD-A A2 AD' 6@', >.B+@C' ;PK<' ' ' $3'

* & ' 8 CE (MO" >@'G-> ' ++@D' ? - ' ,-A.' +B' ! CD@A A'

? ,@ 2 +B + ' ' ? .B+' J@C B' A' G->C' ,@ +' ;P<M 1

0' A0 ' S' ;0' AD' +B' ! CD-A A' ?G,@' >.B A.' -A'

B@C2 B , @' A+@A+' +-' B D@' $%A+' 1 ' ' . &' 0 $ 0

! "' ,' OKO' +' ' +B@A' E>+' ' ! CD-A A' * >.B+@C' +B +'

?G' $@ >+@C + U@' J' +' - >C' - ?J,@+@' A+ BC +' ;Q=0

' B ' 0S '8;KOP(;OL' B ' >A b- -U@D' J @ @' - ' C> + Y

+G ' > @D A-' 'C@C@C' @A+?@A+' +B &B , J' +B A' +-' @S +@

' ! CD-A A' ? ,@' 4Q<=' ^ 2 ' 3 . V C$) $' $ T' , 0

< ' ' ;=< " -?@C' C +2 AD' +B@C) '+ @C B ?2 ' ,'

, >.B+@C2 B B' -A @ , -?@'A-S->'D@ .A2' ! CD-A A

+'O ' 10 #A@' B- ' , ++@C ' +B' D@ D,G' A+@A+'

JJ2 ,,>D A.' +-'+B@')! CD A A'J, A+'8 ' +B@+@+G? - , - . ,

A-+@' E- @(? B' ' D' +- ' U ,,' EG'@S + A.' ' , >.B+@C'

% 'I>-+') '$0

$%+0 1' . 8' ' 2 0 $- ! ' $ 0 OP=' " ' A +>C@'

' +- - ' A-E,@2 +-'E@' ' ! CD-A A ' 5 A A.' AD' %C-> B A.'

E@@',@ >@ +' > B'E @'E-A@ .A @C' ' 5 ' & C -A

! CD-A ') D8V A U(2' , -' D-A -U2'

CD A 8 +@' ^ ' 5 ' $ &' D , '8 M+B' (f !J',$ 3'

' ,&(&. 2' +' $ &' ,&(' ' D' ' T $ - ,) (

A' ,+@C + -A' 8EG' >E + +>+ -A' - ' A S' ' (- '

$ &') M

"-EE@W ' -C?' $ $' D) ' ' ? , +@D' +-' C'&$&1$)' '

@@' JC@

' , >.B+@C2 ' ? ,@' 0 ++@C2 -CA >,2 ?- U A.'

"@A @' - ' J@C -A2 J@C -A ,' ++C E>+@2 @+ '%B C Y

+@C X@D'EG' -C'@SE,E + A 'E ++@CA@ 2 -CA' -C' ?- U@CG

$%J ' ' ' ' ' $ /'8@D' +' ;<N' "@' . @' '! C'
D-A ,' ? ,@'+-'+B AU'B- 'E,@ +'B@@' 'A' +B ' ++-A@?@A+'
;MQP' ' " "'55O OQM B@A' ?,'D' 6,G @' ' ! CV
D A I)>@ ? ,@' ;Q;L' . '<)$ ' - 'O<'&'S-' B@' "-C@'
>.BZ -C +B@' ! CD-A Z ' ? D@'> @'- ' +B' .C@ +' !> @'
A' ,,' U AD' - 'J J>+ + -A' < .) ' ,O' 6 O SS2
#>C' -> A'C@ @ @D'+B@'JC-J- ,' +B' '+C>@' CD-A ' .CA'
SK M ' ,& ' Z B@' UA .B+' ?@ A B ,@' D C+C ' '
CD-A ',--U -A'B 'A@JB@ ' ;KLN' ,(
;;' 4=N" ' ->A+@A A @Z +C A.@,G'+ E+@D' A+-''I CD ? '
C AU,@' ;KLL' ' . ' $'$ (' ;;< B@' CD-A '
BE+-C AZ B- @'C>,@' +' '+-'@SB E+'B>? A'A +>C@' , G'
' A' -E*@ +' - '?- U@CG' ;KMM' 8 ' O %
MK B@' ->C +@'DC ? ' - '+B@' O>C ++A ' JJ@ C' +-' E@'
CD-A ' C @Z A' B B'+E@ B@'B C +@C 'D@,>D@'-+B@C '
J>JJ@+' A+-'+C> +A.'B ?Z AD'+B@A'E@ +'+B@?' ;KQ' K
' - & ,' '4'OP;'7 @' @@' '+CB @'- '+B ' ?@'@SJC@ -A'
^+B@' A@@Ca' A' B +'E' ,,@D' 'D@C @'-C CD-A ' ? ,@'
S)K' 'C) O' O 'OQ' "@') :D'B @' ->AD'@S@C'
E@' -C'DC ? + ' G?J +BG' AD'! CD-A 'B>?->CZ
!$ C$ O) 1' " $ % & $.
SK L L< <&&$ ') "' (8@D' L('LQ=' B@' A- +C,'
C@'DC A' >J CDZ AD' +B@' B@@U 'E U CD' +- CD'+B@'
@ C ' -'+B +'+B@' B-,@' ->A+@A A @' A?@' B@' C-' '
GA ' J ?'-C' CD-A ').CA' ;K<;Q " O O 50"') '
$ &' ,) B' CD-A ' .CA' B@' A -,>A+ CGZ ->A >, @'
DC A.'D- A'- '+B@' A.,@ '- '+B@'?->+B' A' $') O O'
$ &' ,'!$) T' !@@')' &) ,) O
') 5 = ?/ $O K$ 'H
' $L' % 9 .'$0
;KP<' ' '(SS Z "@' --,D) E@. A' ' @CG'
J,@ A+' CD-A* ,'D ->C @'>J-A'+B@' ,'- '? A
! CD-A ,,G' 8 *D V AbU\6(Z $ 0O
,' ' CD-A '? .?@C
O &"O ' O' & '-'H 7 +' B->,D'-A@'. @'+-'
, .B+'-A' > B' 'DC@ ? " ;' U'D'B ?'B , CD-A ,+G ' SK)'
. . 'C> % (< O S 'S ' 'O=Q' A' @A, .B+@A@D' J>E, '
.C AA@D' CD-A ,,GZ AD' 'A-+'?U@A'A' ;KQO')1 '
! - O ! O 'LL' B@'DC@ CG' C+ ?' B B'? U@' ' - , '
+>D@' U(+B@' B>? A' J C+' AD' +B@A' CD-A ,,G' ,,' +'
J@ @');K<K' '(<$O0;L'!@J+Z+- '3 S ? , A' " CD@A'
;W? UA.'B? @,' CD-A ,,G'?%CCG'- @C'+B@' '? - +' JJC-)'
JC +@' A CJ+-A' -C'+B@' C -JB .>'- 'O ? C UZ
) CD-? - A2'$ ' @@' '&%' *) &) ' & OH'
! CDN6L 4'8) :DDBU(' 5JC? ' +' CD-AG @Z'
8 CD-AG(2'= Q' CD-A S2'8M' ,O CD-A @(2'Q '
CD->GS2'8Q' ' CD-AG-B@ ('O'=' CD@AGU2'
M' CD-A I>@)' Q'K CD-A -8U ' ^>' ' $ &' "5'
8J ' $ &' ", +(' CZ 8J ',$*? * 5 +
JJ'+'-DV -') !' ' N' &2 '
B@' ' -C?' C@' D'+B@', +@' $ - ",.) '), +@'
C'$$*NA H&+'H '+B '- >C'-A,G' A' JJ- + 3 '
+B'!$* ' +-A@Z +'? G'J@CB'E@' A') * ' C@+G'
- ' -AGS' -C' +C + @D' B , @D-AG'B A.' B +@'
, G@C ' ,+@CA + A.' +B' -A@'-C'? -C@' +C + '- ' CD
;L ' O' O' !! ('C('4NNM V@ CD-AG @'B@' G B' W+-A'
$J A'9 .1'GE) SS 'S' +' B +'A#+'E@' -? J C ->AD '
+-'+B@'?- +'JC@ ->' CD@AGU' +-A'-C' GC '
SS ' ON B@' G>@+B@'^->AD@'?@A+a) CD-A S'^;L)' CD-AGa'
);PON' (' O ' ,& O5 'ON B@B* +2 CD-A)
,+@' ' - & 'O;'E' B@'JC@ -> ' +-A@' +-'+B '-,->C'
8! A.>A@a' AA@S@DZ E'+B@'! CD-A S' ;PKP' '9 7
+C'! , &!$% ' &"O 'S' ;OL'EZ A'+B 'J, @' C@' , -' %>AD'
+B@' ! CD-A I>@' +-A@' ;PKM - I' !$OO < ' 'H ;=='
B@' ! CD-A SZ -A + A.' ' +' @C@'- '+ -'C B'.@??@ Z+B@Z
! CD SZ AD'+B@'#A S' +'E'E, U@' A'+B@ E-++-?@ZC@D', '+B@'
? DD@ +Z AD' B +@' + >@' SM-S' ..)'C! '"' 'MSP' B@'
! CD-AGS ' '+ U@A' -C+B@'JC@+U? ' +-A@' B B' @@?@D'+-'
E@' '%-CA ,,A@' J-A' B +@2 ' AD'E-D'+-.@+B@C'+C A J C@A+'
+B@G' @C,G'D-@'A ?@' ,, +B +' C@' A-+' ,@ C@' AD'!B@ '
A-+'+BC->.B'+B@'?Z O, AD'! 'CD-AG B@' ;MPO 3 ' $ "'
' >. Z @AA @C' B@ 'D' ?@'B@C'^F' , X E@+B' a'B@ DZ A'
A+ . , 'A' 'C +@' CD-AGSZ >+'EG' ' ?->' + , AZ $'SMMK'
' &"O $!"' ;;'8;MQN(LKK' ', ++,@' @'- '+B@'CD-+@'
- ' ??@ >D' -+B@C - ' ! CD-A U' ' .C@ +' >J' - '
. +@' ;QMO Q4' " '9 .1 . ') ' ' OC$ ' O8;QKM(
;QL' " ,,G CD >+' +B@' ? ,@'- ' "@ACG' ,,' ' AD' BE'
E , C@A' -A' ' ! CD-AGS' SKM-'%'7 ' : 7' '*'< - 'K
B@' ! CD-AGS' E' D@AA@D' EG'&, AG' ' AD-C A' CD Z
+B +'E'+-' GZ ' B+@' -J I>@', G@C' >J@C ?J-' @D'>J-A' '
+C A J C@A+' +C +>?'- '! CD ' AD'A-'E@++@C'D@ CJ'
+-A' A'E@'. @A'- ' 'J@C @+' .@?' - '+B ' J@ @' ;KMQ'
. 7' ,'O'< - ' X'!B->,D'-A@'- '+B@', G@C '8- '-AGSa'
E@' CDZ B B' - ' C ->' B D@'- '-C A.@Z EC- AZ -C'
EC- A B'C@DZ 6' ' ,,@D' CD-AGS' ;KQ'Q 8 'C!$ &'
8@D'O(: =<4 / -C',>.E,G ,>@D'@? C ,D ' AD' CD@?GS@
!$ $ 10
$';M<4' . A' 'O + B' % 'O '7U ';QQO' 'J' , SZ
' @' AD'E@I>+ +B' +-'?G'@,D@ +'EC-+B@CZ $ B CD '! C'
D-AGS' @,'CA.' ;KMQ ' ' 7' O'< - 'MK C@. +@D'
EC- A' CD- 7S . +@' B B',--U' -?@ B +',U@'+-C+- @Y
B@,,' ;<N4 AO O # +'=LO' B@', C.@' CD-AGS' ?@-'
- '+B@' >.> + A'S)@'
*1 %E ' A., X@D' -C?'- ' 1 B
O C@2'-E 'm-AA'- ' ' !
' (O--') 9 .$ ' ' ' GG2/ & /
). /) . / ($ ' $ (%%(]' ' '
1 ' ' ' ' / S 2 '
! ' / 1 ' !2 ' 1 D /
' ' 1 ' ' $
A'> @'-A@'@AD' E'J @D' @ @C ,'+ ?@ 'C->AD'+B@' +'+-'
Z -C?' 'U AD' - 'J@++ - +' AD' +B@'S@? +>A.'AD@'J)).'
C- '+B@'E- -?'>AD',@ +' B->,D@C'E'+BC- A'- @C'+B@'
8;P<K'7 ' .B1' ' .@ 'S '<K O B@G'? U@' B-,@'
J @ @'-C' @E,bb'- '+B 'B)E@'^- 'O@A. ,@Aa B@ @' @E'
C@'A ?@D'! CC'*AZ AD' +'E'?> B' @D' AD' -?@' A' AD a'
;QKP' A' !@+-A 9 CC'\'! AD@? A' !O% (' $!,) ' $'<$OO
8;KM=(' '<N' "@C' ,-+B@ ' @C@'+B@A'+ U@A' - Z AD' 'C@D'! ,U'
- @C A.'8' >CCG('J>+' >J-A' B@CZ K--' ,O $, ' A'
$ O' ' 'O O LNS S 5C-?' O>CB ?J--C'+B@G'C@ @ @'
+>CE A)' C@!Z AD' -+B@C + A@D' .--D ' ;KQ<'!' .
@' $' '8SKKSV ;=Q'#A@' C?'-, JX?'B C C?!-B' C'
D- @' -' C J'+B@'E) ' ;\P' = '%' = ' %$ '
$! '8;K<M(X K A' J +@'- '+B@ C' A@' ,U' C@@' AD'.?D

-CA ?@A+' ;<NQ'?!$, &O $ O 5@E'O=; ' "@,D' A' ' -,D'
- '+B@' $ '+B@G' J-C+' +B'+B@'C ?-+B@C'@ C CA.
!$ ' ' ! ' A ' /=
'^&@CB J '? >AD@C + AD A.'-'JC@ ' @A @a
;KPK' A' ! 3 3# / !' ,E' $ O SKK' A' B.1 .)',
8) O' ! 2 & .(AD' A'C@ @A+' / @+'
*1 :: ' A ' ' '
' ! $ ' '
*1 ' E)' ! $ ' '
*1 '3 ' ' (
K1 N!)' N)' ! $ ' ' '
) ' .$ 5-C? ' ' _' C.- Z -Z
! C .- Z Q <' C. -Z 8K' C. X-(Z M ' CY
. -' K $ &.Z $ $*&(B@A @' !J' $ $O "' 5'
$ $ &'8?-D ' $ $)-' ' .@A@C 'A ?@(a' %'
,)*M 'D ' ' ' -C' ' J@ @' - '+B
;P<K'7 'C 5)O &' . & '' 'S) 'QQM X B@A' @@'@A+C@D'
A+-'+B@' @ Z ,,@D' !@C. -Z B B' ' ,' ->@C@D' +B'
B@ CE@ ' B@'B@ CE@' '>U@' ! ?J@CZ E>+' G@,,-' - ' , ->C
B@'&-C A. ,,@' ' ,' +' ! C. -Z E@ >@' +' ,U@' +B@'
T,@CE@'+B +.C- @+B' A'+E@ ' @ ,@' A'&-C+ A. ,,Z ,,@D' ! C'
-' ;ML=' ' $ O ;< E->+' +B@' % J@
! C. !-@' AD' C>?E @' - +@' +G',@ .>@' A+-'+B@'!@ !
;MKQ' 2' !$' ' ;' ;M< B@' +CG' 5 @,DZ !JC@ D' +B'
! C.- ' MKK)' ' &"O ' O OM'3 C' A'6$-$,$'
8;QOP(' 'L=<'7 @' '?> B'! C .- ' ' - + A.'B@C@Z ,,@D'
EG' +B@' !@ ?@A' >, @@D' ;QNN QO +C' 6)$'' 'E!!&, '
&"O 8;QQ<(' 'LLQ' B@' @' ' - @C@D' +B' 'U AD' -'
@@D' ,,@D' ! C. -Z B B' J U,@DZ 'EG' ? AG' +B->.B+'
@I> ,'+-'! ?JB C@' SK) M'^)'<B.6"8)V' I'= B '
C "O'< &(A'e'4LO B@C@' 'A'@ B'- @ A' '! C. -' A+-'
B B' ,,'DC +' ? ++@C AD' +' G' ;KQ;' : 7 . '
$ ' Z B>' ! C. -Z C@' '.@A>'- '+B@'? @, @' ? D' EG'
+B@' @, @') 0
!$ $ 1!" >$ $ &'1 (2&& .' 'G '
8 @@' I>-B' ;KPP('
SK -'C !&($ O '=PN' A'+B@' -C+B' +, A+ '# @ AZ'
-? A.'C-?'+B@' ->+BZ G->' ,,' A' E->+'+B@'+C@) - +B'+B@'
! C. -' @@D ' ;KPP' = B 'C! (< & O $'8;KP<(e';L'
3 D G'+B@' +, A+ Z A' +B@'+C A.>,C' J @' E@+' @@A' +B@'
X-C@ Z% A C @Z AD'+B@'%)J@'D@1@CD' , AD Z E'+B@ ! CY
. -' ;KPP' : 7 . % 2O & 6Z ,,' C->AD
+- +@D' +B@' C. -'E@D Z ,-.. A.'B@C'E- V KK' '
' $ ' ;MK' B@' J + B@'- ' C. -Z @@D'
+B + ,- +@D'J +' 2
/'3 ' ' # ' '
;P==' 1 '' O 8;KK=(' 'ONM A@' C.@'- '+@ ' ,S'
! C.@ ,A @2'b.@8 >(A+' '@@! $ CZ
) @ .$ K $!J' $ &'0 OO' $ ' ' '@@'
7 ' % ' V'))8!@@'
E0 O 8.@@' I>-+' ;KK=(')
SK)' < B ' =NM ! C) -? JCE 7 *T + ,A+G'
J@ @ ' ,@ @C ,'-'+B@?'- BC' A' +B@' 3@D +@CC*?@ A' AD')
,,@D
('$ ' - 0 % O ' jjjjjjjj' ' jj
J@ @'- '+BE' ? ,G'^>C>A+ a' EA@ZUA- A'+-'+B@' B@C?@A'
EG'+B@'A ?@') ! C.-'g'C & '$' $ &' (->AD' C-?'
! A'&@D& ? +B CD'+-'%@CC-W , AD'
+!) -A2' .#+' 1 O ^ ' 5
i'$ &(D@C + @'-' '$) (c]' f' KL
%b&' .3 ' '?$ $'$.' 'A ') 'Q< B"B DD@A'
,- @'+B +' >A +@ ' -' @,' ! C.-A ' AD' - + ' ' ' . R
)'C!'"' ' OM< B@' ! C.-+'^5)' ! ' $ & J'E >@' AY
-+B@C'+C U ' -C' B@'+B +' AD'B ?@,@' + U@A' C@++@+B'
+B@' ,A@' A' + A@Z B@C@+-'+B@'B--U@'E A.@+BZ) A +' '
B CD'C- U-' %M<b 8 ' * ,T' O 8;MQN('<<&' B@'W C.-A '
E' A' D>,+@C->' BZ D ,G' EB) .' ? +@
' 4 '8 T.b(' 8 f C' -8(G- a' ' 9'
- '+B@'.@A++' $) (+B@'+GJ@'- '+B@' ? ,G' (
+B@' @ EC@ ? ' ' 2
%b&c' .3 ' &) + O-M B' DD+@C-> ! C.> '
%->C+ A.' +B@' !B@@ - + ' -A' +B@' .C @' B-C@' %MR '
1 . ' - %O'? $ 'LMN B@C@'E' 'JC@++@' -?J C -A'
- ' " C,-++@',->@'+-' ' B@C? A' B B'J>++@+B' J-A' B ?'
' .- + ' U A' +B' +B@'B-CA@D' +-'D@ @ >@'++@' ! C.> B'
;QPO' :Z ' ' O' ' - O OPW ! J C, B@' ! C.>\' =K=='
: 'C "' ' OC$! ' ' ,' +'=SM' BC@@' J +@ ' -'! + '
.>] A ?@,GZ +B@' "- C@' ! C.> Z +B@'%-??-A') .> AD'
+B@'$ A.@D'% C.- ' ')
! C'! C @' ' @@' L!' '
! C '-E Z -AA'- ' 3
' (' '8 .(' ,-_' S .- C'<'8/ @+ ('
C .-GZ K' !' "7 !! Y- '8OA -A(Z ' &.'
$)!(A'*M+B' '%$) `', &(8 B@A @'
+B@' @ C,@' -C? ('-@D' @+C-A' -C OC X, A' $ 3'
) "$('D@C + @'-' $) (B) ' '+B@'A ?@'
- ' '+C E@'- ' AD A ') ' ;
!@ @C ,'-+B@C' -AA'- '+B@'7-CD' C@'I>-+@D'E*)$ G Vb
)$ ((VM<LZ &@AA A+' O(A)$ O(;QK;Z AD' ! ?@,, @' +C'
)%& ' $ O' ";QKN P
'!-A)' ?@C A'-J- +>$Z !* " &*&) - O
$% J ' A'C !O $'( ) ,,,C'LQ< ' ?' J+' +-'+B AU'
+ 'EG'C@?- A.'+B@ @'! OE+ E).'C +B@C'+B@A'+ U A.'->+'
+B@' 9 DA@G '+B +'+B@G'? D+C +B-'! C .-G'@D E,@' ;K) LO'
>?-'+B@'3-.> ' ,@' ';)Q'
/ @+ a' r
tE' '!#00 Z
'! C .D '8 C (' ' DO' T& ' KK' ^ C'
$ *) $*' E@+@ CD S C a' ',-A.', A @'> @D' A' +B@'
3 @D-A A'JB , A*+
') ./ 1O ,O ' '&! O) ' $
$, 0+O ' % G/ / 2 /' 2 /
>C Z L' /L M'8<' ,O'!&,$!+' /8=' ./
= P' , D^/ = Q' , /=' $ ^# 'C.XCZ ? '
) ('S ' , 0' 2 .0' % '0+' ' 0

3 '8! ' ($T' % +# @>+ +GJ@'T $ 30O
A+@' ->+ D@' @>+' C@' D->E+ >,' #!,' $.$'
+>A ' D-@'A-+' -CC@ J-AD' JB-A@+ ,,GZ E>+' -?@'
B-, C'E@, @ @' +'+-'E@' D-J+@D' C-?' @>+
B@' A ' A +@ D' -',' ' D>@' +-'+B@' +' +B +'+B@' -CD'
B ' -?@'D- A'-A,G' A'+B@A-C+B@CA'DE,@ +' B@' A-? ,->'
-C?' , ' 8I>-+' ;L (' JJ' JC- @@D' C-?' ' ->+B@CA'
C E@'+-' B-?'+B@' -CD' '>AUA- A(
%$' ' . C?@A+' -CA' A@S+' +B@' U AD ' B C+' -C'
B@? @'- ' A .B+ B C+' , - ' >CJ, @
A' ! ' + ,,'+B@'-CD A CG' -CD' -C' B C+
? &2)!%HHHH I+' D@' @'@B) GA@' + B' GC@@
$'A--' O &,O A' 7C 7 , U@C LOK QO' &!&1) -( ) !' 'T
' $" "55AO O--) P)'P=Q OP'%- -3b (>C ' 4LNN
) &' ' O;QO=L' 5-C U @C@'N C ,U' AD', A@' 1 O O;POQ'
#'B@'U@ +' ;'+-'B ' @CU' ;L' & ' O'LMLN G,'B@'B @'
? D' ,'J, GA' @CU'# '+BG' ,-+B@'-'.-,DZ A+-'+BG' B@CU'
'4L)'$' + , ' & '(8;K;N(MS' O C@' A' @CU@'\'EC@U@'
G' ,@D' ;LQQ' 'C(C O O' 'MM !B@' B>,D@'
A - @A'B C' @CU@' AD' @++@' V@C@ A'B@GC@' -' , +@A' B.C@'
,@ B@' , &'< $' &-O S'O=8' C,'3! (' ' + B JJ@'
?@'+-'DG@ -C'B@' A'E +,, Z B)+' a?' @++@' ->+' ?GE,-DG'
@CU@'-A' 'J@C B' -C@' ;PNL' B ' ! '=' & '=M A'
@CU' AD' ? A+ ,,'^@ +C'B Ca' ' @A+' A' +-' +B ' , C+B' SWQS
$ O'C& - ' %& -(SS 'M<' 3G' !+@?XA.'! CU' , ' "'
U@+' ' , D'D->A'5C '+G?@'+B +' 'E) D' +@,,' 9 A.' '
D@ D' PQO 1 (SSS ')'O> +'EC ,+'B-EZ%- +Z / - E,@+Z
CUZ AD' B ' ;PQK' ' O O $ O8;K;P(O;P' A@'B@'
, AD' GD' @CU'- 'G ,,- ' ,GA A.'J ?@A+ +' AB' J>CJ->C ,U'
AD' , @C' 5->C@' A., ' CU@' +B'E, U' @CU' $'4ML=' 7 '
$- ' &' 'O 6O & T' O X @ 8 3 +,'%, ('ON=' !B@@Z
E@ A.' A'E CD', E->C' A' BG,D E C+BZJ- +@D' G'B@C' @C A+'
+-' !+' ,: C+' '%B JM,, +B' B@C' CU@Z OQOP /' " !'
<'T' *.O ?' Z A@ +B'BE'-S+@C'E' +B@' ? CUZ ! C @'
@ @C' @@A' A @'B@' C+'7 SO@ ' CU' OQ<N +, ' $-'N'
$' ' ;PL' " D' B@ C' CU Z A +@ D' ' C@)E @', AA@A'
O@@A' A B+@' @ @ + MB'B>AD@C' , AA@A' ' 1 O;Q;' "@C'
>+)' W CUZ -"& ,@G'B C-Z B +' B+@' , @' B@'B D'
7-CA' '$';KNO A'! -++' ' O ,& O ?& O ' ;PO' :@AAG'
B ,' 7@ C +B@' B--DZ : - UG'+B@') CU' - ' JD' ;KN<'
C& - ' ;PK B@'%,@CUZ 7E ' C--A'B 'A-+@'
, U@'?-CA A.', CU' O@ -C@'+B@'? A "- ,G'! CU)' XKSM'
! ' & (SS ' AD'%>DD@' +' +B@'B@@B'N'B ?Z A' A@'-'
!@C.@ A+' O-+B @+,' ', @D' + - + Z AD' 'C> ,@D' CUZ
,U@' +,G',-+D' @'+B@', AD' OK=<' 71')?)! ' '&%' *'
O;<! JC A.' ,-A.' U@' '.B- +' A' +' A- B+@' CU'
);N' = ' ' $ %"'*$ O " ' 'QN' ' ,U@A' CU'
) C-).B+' -ADC-> ,G' ' -?@' C, AD' C- '+B@' @
'O=ON OM C&!O'C& - '=N J@G' ,'C@ @G>@'aV@ B C.@'
- B@' GA >,' ->,@ @CUE' L& ' %I U18 I 5
<) ' %& ' Z CU' B,D'E@'B C'E-DG'A S+'# ' B@ +@+ @'
J ,BBG+'
C %" &1 OT' XC)<K V' & + > o3' 8;QKP(' OM @ C' '
) 'U>C+,@Z E>+' A@ C@C'E' @')
WL% &BC @' $ ' $' (+B' ' CU' '+B@' -A,G'
- @C A.'- '+B@'E-DG' ') p
PLK' 1 ' O 8;K==(Z ;PP B ')D A@' +B@' D'
O@, @ +-' . A.Z CU' $, A@Z -C@' +B@' JC- @ -A' OQKM
$ ' '8;Q<=(LP' >,D' &' ' -?@'?' CUC , -@Z
o2' $.&%- $!' ' B C+'- '? ,' 1 (
^!+' ' 1& ('MO 3 G' CU' - ' ? G,' AD'
+@,' S@
O') 10"' ' $ .3' , ('3 "'3 $!T
;G ' + , ') & ' ($G ' '='
: ' 1' $' ' ' '1 / ,';==N' '*.$1 '
&%' D '<RN ' 'JE' $/1 ' '=' ' /12 ' '
9KN?$ ' ' L' ' S2' ' ' / N_Nb / " !'
% 'V .'< O $3/ ' ' ' = '=1 $
4N'T ' !' 'C 2 O %<& '1 '1 ' ' ' 8 ' ?'
?'G $$G ' $$! 3 ' ' ' S ' '1 '
'4? ! 3 ' ?'4 $ G 1% 5! 5 " $''
(? ' ' $
'- + U' O' ,O AD' '& ' ^ '
%/ $' O' -' >CA B' +B' -C' ,-+B@' A' ' CU /
O=KO' ' !O LLN O \ . (,$- $)O ')!$) O
A> O' ' 3) ' O &!' $ & ' 'OP #A'I' E U' ' - + '
AD' >AD@CA@ +B' @,,'W CU@+' 7 " E ?22+B +'D G' =SKM<'
%' !J?' O'? $ ' *'%' & ';MM B ' +J,D' ?@k "- '
DC AU'B D' EC->.B+'? @'+-) ' B' "- ' ' 'A@ +B@C' , D'
+-C' CU++
` ' ?)! ' O 8!@@' I>-+' ;QQ; (
5 ' '^ @@' 9 & ' 1O S*') $-' ' ,,O
&!! '8!>C+@@ (QSQ' 5-C' ! CU A.' - '+B@' AA@C'E- @' A' +B@'
D-C+>C@Z QO< ' OM=O A' : ' 7 + -A'6 1) ' 11 "'8;KN=(
KM +@?' -C' ? UA.'- '+B@'C-- @' AD' CU A.' - '+2 'LNN'?U\'
OQQO'& ' &)' ,&(' ';QM<Z'SO' B@'C-- @' C@' CU@DZ
O O - @D@C@D' +B' 'A B AD ,?,'D@ ,Z @D' A+-'+BC@@'J, AU Z
AD'+B@@A'A ,@D' +-'+B@'*- + Z-A' B B'+B@' , @' CU'J AA@D'
! UCUC ,'8 >U >,(' ,O ^ ' 'CD'N "6B. V'
JBC @'$' $ .B !'&%' & '1&' (-C@'E-DG
OQO;' : . ' ,O'C & O L<M ',' @'G->' ' ! CU >,' - ' -C@
O)@ ' OKSP' '<)"' O S, ' L
! 3 ,,.' 8 >U I(Z ,(' & (^
I ' O AD' 1O i' OM a
'?)! ' O 8!@@' I>-+' ;K<=(' , -' $ 1O '
' $. ' 3 &$ (% ! ('3' $!0
O=M=' P') $-' , ,(8!>C+ @ (;P=' &C-' 3) CUGA. '
A ,@Z P' OP<Q' 1 (>&+' - ' A.@'! CUGA' E--CD@ -C'
+B@' B>C B@' OPQ;' ?) ' ,O $'$.'8;)L('M=' B@' , +B'
+-') 'b6' CU A.', U@' ! A +' ->'U CUZ AD'+-'E@'C .A +'
+B' B@ ?' + A@' R R7), 2(,,(' & "' @+ '
8!>C+@@ (;' '5-C'SS'G@ CD@' - ' CU A' B-CD@ Z <MLM 1 O
;K< ,6 ? -C , G A.'+B@' CU A.'B-CD@' -C'+B@' ,@ D@'
434' < . ' ' 'O C$ 'SS Z '+-,D'+B@?'- '+B@' CU A.'
- '+B@'C-- Z B B' *' 'CA A' ' 'J)3-.E+-- ' K '
B) ' ' ",!O ,. (e'<KL' ' ->C @'- ' @).B '>)'
D@ ,' CU A.'8E- CD A.(Z< A B@'EC- DZ +-'B@', D' ,-A.'+B@'
) @ ' SK)' "' 1 '?.O $ - ' ;QN ,,'+B@'. E,@'
- '+B@' @S+@CA ,' ,, B->,D E@'@A+C@ G,@ ,,@D'>J' +-'B@'
C,DA.'-C +,@ Z '+B@' @'? G'E@' OKKO 6& ' '
) '1"?)! ' 'QM ' 'C>,@Z ,+@' C@'?- +', U@,G'+-'U@@J'
->+'+B@ @ +B@C' B@A', D'-A ,- @'DC'-J@A'*- A+@D' CU A.'
-C'C->.B'E- CD A. +B' @,+'E@+ @@A' +' AD'+B@ , +@ '
S)%' ' 7 ' -)' & . &*' , * '!@C' '=N ' A@'
+B@' AC D@' - '+B@' ,,+C> +?@' +B' C->.B' CU A.'E- CD

-A' +B@' C +@C ' - ' ' B-> @' B@A' ' +C-A.' AD' + .B+' C-- ' ' C@I>C@D' B@' , +@ ' C@', D' - @C'+B@') A ' X--K' $5 & ' C , '?.0 8@D '<;(;P;' $-- ', A A. ' JB ,+@' ! CU A.5@,+'

/ ' ' ? +@C ,' -C' +B@' ? U A.' - ' ' CU ' 3 -C@'

>,,G' $. ' 3,!& %! ' 'T

=SMQN' 1 .) 7' &)10' $T' '80 AA +GA@' %, (' ' OKQ' #CD@C' ' . @A' +-' @ C B' +B@' ->A+C @' -C' .C G' BGD@ 2' AD' .C G' ,- +B2' AD' CU A.' ,- +B ' ;KN=' 77' ,0' C& - ' 8 K-K(' ;=O' 7 " ? -AAG' ? C' @@' 3 @..G' " ->J@2' 7 'B@C' E +' CU A ' , A@A ' SKS-' 0' 0' & - ' - (' 0' P' < $!!0 ' 3 G' U ? ? @C' AD' ' . D@' +-' +B@' C2' 7 " + ," J>A' ! -+)' A' CU A.' +-' C@2' K S' < . ' ' ' 0' C$ ' 2' +' ^+B@' , A+a' ' A+@AD@D' -C' CU A.' +-' ->C @, @ 2' AD' B@@+ ' AD' A J@CG

! C) > +@ '8 >U A- +(' 'T' ^ ? @D' 8! CV' U A +(' A' ;KKP' EG' ' !*-.C@A2' ' C ' C (8 - ' ,@ BG2' A' ,,> -A' +-' + ' ,@ B C@D' -,->C' AD' .C@ G' ,> +C@' i' 2a' C @A +@' - ' ? A. A@ @2' - ' ,@ B C@D' -C' C- @ C@D' -,->C

;KKQ' 6 ' !0' - 0' & 0' ' 'L=M' ! CU A +@2' ' @ ' 3 A ' . A@ @' C @A +@ ' ;KNN' 1 0' 4 ' 'Q;P' %CG + , ' - ' ! CU A +@

! CU,@ ' 8 >U,@ (2' ' ,0' '& 0' ^ ! 09'

=+ !!a' 7 +B->+' ' CU ' &' $' %0

=;QQ=' - 7B ' '.' , C& - ' 8;K=P(' P;' 1->' B @' E@@A' E,G+B@' +-' B U' 1->C' " >J-A' ' CU,@ ' -D.@C' 'E U' 4KKO' $' (' <!& (' ' $.! ' B C+,@

! C, ' 8 TC, U(' , -' C, U2' C,GU ' ^% , '

?> U' $ '.(' +@D' EG' ?@, A' A' %% ' &- -('

,,) 0' , ('C &*0=H 4L&+ (N6 H!H' G !

;QK;' ' 0'A)$ 0' OL' ! C,GU ' ;KOK LO' 9 !' $!$,0' ;KPO' : ' I ' < ' $ $!0' $- -$!$' ? (' ' ('A ' 7(AC& * $ 2 - '') (B@' 1) ' bC' ! C,) ' ;KM=' 9 ' 8 + A.' ?$ +(' A' C@ @A+' / +\b

! C? + A ' 8 C?) : A(2')' AD' 10' ^ ' '

$ -$ $' +B@' , AD' - ' +B@' $ - E '8 C ' >[$* - $%

, -' >$ *& $,)(B@A @' +B@' -C?' B Q (`' A' ?-D ' + A' $ -$ $' B ' E@@A' @S+@A @,G' > @D' -C' &-, AD ' B@A @' - ' A' A., B' J-@)G2' @' 0 $>00' 1 ..' C! $ (' &* ' .' LQM' ! C? + ' @,,2' >A @J+2' +B->+' ' C ?@a

'$ B0' # ' -C' E@,-A. A.' - ' +B @)@. -A' A @A+,G'

UA- A' ' ! C? + 2' A- ' - >J @D' JJC-S ? +@,G'

EG' +B@' $> A ' AD' &-,@

;M;L' C ! - $ ' 8;M;=(' L)=' &+-,@?@G -A A@+B ! C? + ' >C-J@' +B' +B@' ! C? + A' # @ A ' SK--' 8' < '0' N&&!0' Q' .' =LN' ! C? + A' 7@@ @,2' $' $ $' ,$(S) ' . I ' (') &* ' 8;K=)' 4 ' ;KQ' m @AA ' a' A @A+,G' +B@' C-A+ @C' + -A' - ' +B@' 9 - ? A) J C@' >J-A' +B@' ! C? + A' 7 ,D

' 0 97'* W -<

2' ;KKO' < ' > 05E?.(' < &!0' KMQ' ! C? + A' -C' %@C +B > A' !+ .@' 1 0"' +B@' ! C? + A' + .@' ' B C +@C X@D' EG' +B@' JC-D . -> ' A>A E@C' - ' AD D> , ' - ' ' -?J C + @,G' +A 6' A>?E@C' - ' J@ @ ' - ' B@,,

0 ' 10' #A@' - ' 'A-? D ' J@-J,@' -C?@C,G' AY

B E + A.' +B ' +@CC +-CG

;M;L' &>$%" !' C ! - $ ' 8;M;=(' L<L' # ' +B@' ! G+B A 2' ! C? + A 2' AD' !@C@ ' ;MQ;' = . ' C 0' 0' 3 ' QK ' QQ;' ' 0' - 0' '8;KP;(' O ' B@' AD@C A.)' +C E@ 2' B B' +B@G' ,,@D' EG' +B@' .@A@C ,' A ?@' - ' ! C? + A ' -C' ! G+B A ' XKKM' ' , " ,!0' ? 0' 4 4 ' L;Q ;' ! G+B A ' AD' ! C? + A ' J-U@' ,?- +' +B@' ?@', A.> .@

! C? + - ' 8 *? @ + U(2' $(' ^5-C?@D' ' JC@ '

N' "$+ V' GK = ' ' A' I++#+' QOL f &-, B '

$ -$,'*&! ,$ ' ' 3 -++,@D' C&['C) &) ' $ -$T' % ,) 0' 8 A' C@ @A+' & @+ ' ,%T' $ -$ $' ' 2 $!0+ ;QOL' = ' ' 0' ? 1! ' =NO' A' &-, AD2' B@A' +B@' JC @ +' ' E->+' +-' JC-A->A @' +B@' -CD ' - ' +B@' - J@,' +' +B@' ,+ C2' +B@' A-E,@?@A' DC@ ' +B@ C' -CD ' A' J C+' ->+' - ' +B@' EE CD ' ' ! C? + U' C - @A+' '

' < &!0' 8!@@' I>-+(

;KQ=' < &!0' $ 0' :>,G' LOP' @ @C' @C+ CG' E@D] +B@' +BC@@' + .@ ' - ' +B@' @AA ' @C+ C @ ' - >C2' +B@' 3 C A@2' +B@' ! C? + 2' AD' +B@' %-A.@C ' E@D 2' E>+' +B@G' C@' A-+' , G ' ' @J C +@,G' ? JJ@D

! C? @A+ ' 8 >?@A+( )' - ' $ ' =?$ 0+(' ^ D'

2' $ - ')' "' B @ ,G' A' J 2' + . ' ,-JJ@D' - 2'

EC> B --D2' ' $ * ' +-' JC>A@2' +C ?' 8+C@@ '

EC A B@ (2' % ' 5 ' $ - ' ' B--+' - ' A@2' --DG'

, ?E A.' +@? a' ' + .2' + b' >++ A.' - ' ' +C@@

' ;L<K' 3 ' ?$ 0' ' C (' 0' S S ' SSS ' 8;=<P(' KQ<' A%@C> ' -?G+B' - ' J->C' - ' +C-A.@' GA@G.+@' @ > GD' AD' B@DD@' -A' +BGAA@' J, +@ ' - ' ,@@D' AD' , G@D' J-A' BG+@' ! C ' ?@A+@ ' , ' ;==N' C$!!$ 0' &' ') 10' 'LL' " @ 'AG.B' +B@' C--+@' A.C. @+B' B ' C?@A+' 1 0' S 'LPM' ;MPQ' C " ,$!' ' $ - ' (' H P' - ' +C@@ ' $>%%' . . ' Q =XV ' ;QM' ^5-C' ' , .B+ A.' C@ a' +B@' J@-J,@' - ' +B@ @' ->A+C @ ' > @' +BD' C ' ?@A+ ' -C' >++ A. ' # ' +B@' A@ ' KLQ' < ' ' 0' ?& 0' ,- 2' $ - ' $, &' ' E@ C A.' ,-A.' AD' ,@S E,@' + . ' = $ '% ' +(' @ +B@C' JC@ D A.' -C' JC- >?E@A+

! A>@A+ @-A ' 8)?@A+) D (2' $0' ^ ' '

$ - ' 3) - '*' @@' ' AD' " B V' G' "

3 #!

;KLN') . ' $ (' " %0' ?& 0' LO' ^ B@' %- >,> ' +C E@ a' !BC>E 2' +B' AA@A+ @-> ' B E + ' ;KL;' = 7 . . 3 ' +C ' , . $ ' ! - 0' ?& 0' =QN' ' ? ,G2' ' - ?J- @D' - ' C?@A+ @-> ' AD' , ?E A.' BC>E

! C? @A+ @C-A ' 8)?@A+' !C (2' $0' ^

?-D ' $ - ' % 3-(' %0' $ - ') - ' ' @@' "'

3 ' AD & 0#/! a' f'

SK K' A' 3 GA@' 5*& 0' 50' ;<NN' 0 ' '# ' <!& 0' ?& (' - 0

+ ' ! C? @>+ '+ -A 2' $0' 1 03 ' ^ ' ' $ 3'

- ') ('3 ,) (' ' $ - ') - ' @@' ' AD'

?-A a' 8!@@' IA-+(

;MPM' . B ' <!& & 0 ' $ - ' &) ' - ' -C' E@,-A. A.' +-' + . ' -C' EC A B@

! C? @>+- @' 8 ?@A+) (2' $0' ?& 0' ^ D' '

$ - ' 3) (' $ - ') - ' @@' 0 ' AD' ' '

% ' #5 ' $ - ')53!' 8!@@' I>-+' ;KML(

;QMN' : ' ' ' & 0' ?& 0' A ' ' 8;QQM(' ;K;' ! CC-@A+- @' B@A' +B@G' ^C ' +@? a' C@' $@J@A+' AD' !>EA>D@' ;QKL' #B " WK=a' +C ' $" '$ ' 0' ' ' ' L=;' + ' +@? 2' UA-++G' +' A+@C , 2' AD' C?@A+- @2' ' +B +' - ' +B@' A@' ;KML' ' !& $') $!0' ' A+C-D ' P' !+@? ' C@' ' CY ?@A+- @2' B@A' +B@' EC A B@ ' - ' ' --DG' +@?' C@', -A.' AD' @ U2' ,+B->.B' C @,G' , ?E A. ' ;KQN' ' : ') (' !& $' ;NK' %C@@J A.' B@CE ' -C' C?@A+- @' BC>E '

! C? -A+# 6 ! ' 8 *?@ A+ (2' $0' ^ D' ' $ '

- '&) 'H @@' JC@ ' AD -> a' JC@

4Q04' . !' $ - ' &) ' + . . G' -C' EC A B A. ' ;QPL' ' " ,!0') **0' ' $!.(' %C@@J A.2' -C' C?@A+-> ' + ,U2' +B +' B B' @? + ' C--+' ' +' C>A ' ,-A. ' ;QPW' & ' 8 '6$ - $,$' LOQ' B@', C.@' C?@A+-> ' ! +GC >?' +B' ?-++,@D' ,- @C ' ;KKL' ') "' $ 0' 4 4 ' LP=' +' ' - ' C?@A+-> ' .C- +B

! C? -A8Db' -A@b' @+ ' @@'

! ?@ 2' '6 /' 6' & ''

+' ! C-,@ ? > ' 1 0' 8!@@' I>-+' % ! $# >(

;MMO' = ' ' '&%' < ! ' O==' B@ @' , @ ' C@' J>+' A+-' C-A' J A ,,'D' 5C B@ 2' B B' EG' D@.C@@ ' C@' DC A' EG' +B@' ! C-,@' ? A' ,,' ,-A.' =B@' @@C2 ' +B +' +B@' , @ ' ? G' --,' < $ $ -(

' ! C-A. '8 C)* .(' ^3 , G' $)' ('JC-E ' C-?'

-?@' ?-D ' -C?' - ' !UC ' $' $' C@. +@D :

' 8!@@' I>-+' ;K<P (' 2

;KL=' ' ' $' 0' %!0' 0' 0(' @+ ' 'O;Q' " @' ' ++ C@D' A' 'D C+G' C-A.' C->AD' E ' +2' AD' ' ,-- @' E *>' -C' * U@+ ' ;K<P' 8 ' I&5&I' ;QO B@' ! C-A. ' +B@' 3 , G' A + -A ,' . C?@A+2' ' -C+' - ') C+2' > > ,,G' A' + C+ A2' -?' EG' ?@A' AD' -?@A' , U@

/ ' 8!@@' I>-+(

;K)' ! 33# /!' (' $ % $ &' (0' ' - @A' -C' JC A+@D' EC ' ?J-C+@D' A+-' +B@' />+ B' J-C+' - ' +B@' +@CA' C B6' J@,) -

' C- '8 @Z)(' ^ C2' $ *& ' -C' d $*9 '8O@C- - (2'

2' GC- ?EG,-A A

' ' $T' B@' O EG,-> A' A ?@' -C' +B@' A>?E@C'

LMNN2' A ' B@A @' -C' 'J@C -D' - 'LMNN' G@ C

B@' A-+ -A' @SJC@ @D' A' I>-+' MMO ' +B +' +B@' C- ' -AY +@D' - ' L) ' $" (' ' D>@' +-' +B@' D@ C@' +-' C + -A , X@' +B@' A C@D E,@') +@?@A+ ' - ' O@C- -!' +B' C@. CD' +-' +B@' ,@A.+B ' - ' +B@' C@ .A ' - ' +B@' A+@D ,> A' U A. ' - ' O EG,-A ' #+B@C' @SJ@D @A+ ' -C' +B@' ?@' J>CJ- @' @C@' D-J+@D' EG' @ C,G' C +@C ' -A' BC-A-,-.G

;MSL' B ' C !* ' - $ ' QM;=()P=' ! ? ' +B' +B@?' ' +BC@@' +B - >) D' C S@' B>ADC@D' G@ C@ ' ;M)' ! +$F 6' 0' $ ' ' ' e' = ' KN' B@' ,@ CA@D' 3 -AU 2' & A-D-? ' AD' A A> 2 ? U@' 2! C- ' +-' -A+?+,' ;ON' ?-A+B ' - 'L- D G@ ' J @ @

/ ' (' D-J+@D' EG' ?-D@?' +C-A-?@C ' ' +B@'

A ?@' - ' +B@' G ,@' - ' ;K' G@ C ' AD' ,- ' D G 2' A'

B B' -, C' AD' ,>A C' @ , J @ ' C@J@ +' +B@? @, @

B ' > @' W' - AD@D' -A' +B@' + +@?@A+' - ' !> D ' 8 JJ ' D>@' +-' -?@' ? + U@(' +B +' +B@' ,@A.+B' J ' +B@' C- ' ' K ' G@ C ;K;O' 9) B ' &'(' SSS ' LPL' B@' J@C -D' - ' OOL' ,>A + -A 2' ,,@D' EG' +B@' %B ,D@ A' +C-A-?@C 2' +B@' ! C- ' SKMK' ' ! - (' &'(' , ' : ;K' 8;KQ<(' ;NO' B ' J@C -D' - ' ;K' G@ C ' +-' D G ' ' ' G ,@' - ' +B@' 3 --A2' UA- A' +-' +B@' A @A+' %B ,D@ A ' AD' C@@U ' >AD@C' +B@' A ?@' - ' ! C-

+' ! C-D@,+' <!$ 3-$. ' (' 1 0' 8!@@' I>-+(

SMM ' = ' % ' ' 8 ' <!$ ' O==' B@' ?->+B' +B@C@- '^+B@' ,@@Ca' @A+@C ' A+-' ' C--?2' B@C@' +B@' , @ ' C@' + U@A' ->+' AD' @+ ' B ' C--?' +B@G' ,,' +B@' ! C- @, ' AD' +B@' ! C-,@ ?@A' +B- @' B-' DC ' +B@' 5C B@ ' ,-A.' +B@' @@C

! CJ2' -E ' -C?' - ' 1

+' ! CJ) ,-+B ' 1 0' , -' M' @CJ@ ,-+B '

^!B-C+@A@D' ' 1. ' i'% # " ' % 2' +B@' ! ' -C? '

$ *!$! (' $ *! "' >AD@C' 1. V' G' 6. I

S +-' ' . .)' $ 0' (' &' (' !E '&)' 3' * !! (' ' @CJ@C ,-+B ' MS ' %-CI 2' *) (' ! CJ,@C2' - C ' ! CJ ,-+B2' 'J @ @' - ' ->C @' % A> ' +-' J U@' J' +B A. ' A 'T ;QOM' (') 0' 8@D ' L(2' ! CJ, C' -C' ! CJ),-+E

i' ! CJ@) ' 1 0' ^ ' #5 ' $ % ' 8?-D 5 ' * H'

JJ ' ' ' $ %@ ' +-' JC>A@ a' ' JC>A A.' B--U

;LKK71% &' 4 $ - ('S 'ON' B +' @ B' ? A' B>,D@' B CJ@' B ' B C2' AD' J - @2' AD' S2' AD' CJ@' ^;LKO' J>C.GA. ' B--Ua' 1 0(' $(' 'OP' AD' ,,@' B ,6 ' +B +' B>,@A' E@' J>C. D' +B' ' CJ@' ^;LKO' -D@' E ,a ' ;=Q=' L ' A ' ' @' *2' " @' ->.B+' +-' B >@' -A' B ' .GCD@,' ' C)@' -C' C-UGD' B B@+' -C' +-' >++@' - ' +B@' >J@C ,>G+@@ ' - ' +B@' .A@

+' ! CJ@' 1 (' , -' CJ2' @CJ@' ^# ' -E >C@'

-C . A a' ' -,, C2' A@ U C A.' - ' . -,D' -C' , @C

;=O<' $ L , ' 6& 0' ' 8;K;=(' ' ;K ;' AD@' +' A A@' +B C' @ C' EC->D) E-+' C G' (V ? ++' ,,' +B C' B-A@ +' C G' ' @CJ ' E@,+, " B@ ' \ ' B@AX@+ ' ;=LK' (' (' !! ' 8;KKO(' ;;N' +@?' +-' $-E@C+' C@GAD--C2 ?G' !@CJ@' - ' ,>@C' AD' ?G' B@GA ' - ' .-@,D ' $&/%' ' ' ' 3 ' $2 ' - '8! ' ' ! (' =M' " @ ' +>U@ ' .C@+@' C@+B' - ' .-,D@2' ,, +' ' +J' E@' >?' ?@A2' AD' J>+' +' E->+' B 'B , ' ,' ;=MN' - B ' T ' - (' " ' ' 8;KKP(' [OP' $ B' +-A@ 2' @CJ@ 2E >D@C U@ 2' AD' -B@C' *>@, ' $&>+" /' = . ') ' 'S ' KOO' ,,@' +B@G' @C@' C G@D' A' .C@A@' @,>@+' +B' CJG ' - ' .-,D' E->+' +B@ C' I> C+@C '), ' ;=KW' A') !$' ' 'C$* ' 8% ?D@A(' =' B@' 9 A. ' CC @D' A' 'D),@+' - ' .C@A 2' ' ,-A.' .->A@' - 'J> J>C' @, ' @)' ' +B' 'C B@' CJ@' AD' . C+@C' 5 , , 0' 0 ' $ (' ,& !0' 8;KQQ(' 2 KM' 3 @?-C AD>?'] >AD' A' 'E, ' - C@' + ' +B@') ' +B@' .C@+@' CJ@' - ' .-,D' -A+@A AD' SS ' B ' +B' +B@' @DD@C' E@+> S

*1 $ 4 ' *1 $) J ' " &

8) *J6 L (2' 5-C? ' = Q' CJ,@C2'

8=' CJ>,@C(2' P' K CJ@,MC8@2' 8 CJ,)2' J@, C2'

J, C(2' M ' CJ, @C ' . ' e' CJ, C@2' C2' C '

J,@+B2' Q' @CJ, +B ' ^ ' 52' $ * ' 4?&!! ' '

C$! (' ' =;L2' ;LO; L(2' #52' $ * !. ' 8?-D 5 '

* !! 3 'J U A.' ,-+B(f &C ' $ * ! $('% +' $ 3'

*$!! $('5$ *$!! $(' 0$ * !! &"' &. ' $ $* !. $0

++CD' >..@ + ' +B +' +B@' -CD' ' ' D@C + @' 8 +B' > S' > $ ' @@' " I#+' - ', +@' '5 $-* ! ') ' 8?@D ' -C' ' C>J+,G' 5 &* !! ') (' $-* ! ') (' $* !! ') +' ' C' B3' J *>C@4 - 2 - ' +B@' -,->C' - ' +B@C@D' A@D@ G@ 2' ')=JD ' DCG2' +B@C@Di C 4-W A@' 0>+' +B 'D@C + -A' B 'E@@A' -A+@ +@D' EG', +@C' JB ,-,-. + ' % '5C' D ,' 8 M+B' (' *&!' EC D@ ' +C-> @ >' 3 />' B D' $ * ! (' * (' J U' - ' --,' 8 , -' $ * !+

' ' , C.@' U' - ' - C @' A ' -C' --,' '

U' -C' E ,@' - ' --,' -A+ A A.' D.B+G' +-D ' , -'

> @D' ' ' ?@ >C@' - ' I> A+ +G' -C' --,

^ LPL =') $- ' ,,(' &!! ' 8!>C+@@ (' PP=' +' A' =' C),@C ' A- 'JC-', A ' C AD a' ,' ;LQ=' B '?& 0' ' JC' ' ' 8% ?E' 3! (' B@G' E@A' @A+@A+G ' E- +@ CJ>,@C -C' B@, ' AJC- + E,@' -C' +-' + U@A' ^-A. ' , ,$' * ' $ ' ') ! ' $, ')!$ ' &,,)*$' k H' ,' ;LKN' ' - 1(=LQ4' "GC@' CJ,@C 'D>D' B@' +B' B G' E@' ,,D2' \ ' E-AD@' B@?' +-' B>C@' D@, ' .G,D ' 4=OP' &!! ' &%' C$! 0' ' O<N S' ,+@' B B' %-U@++' -A+@A@ ' +B@' B--,' A-?EC@' - ' CJ,@C ' ,' ;=)' - ' '(' C& - '8&@C G' !- (' ON=' B->.B' ? AG' 'C-E@' A +B' E@' B@A+@' #A' B C@' CJ@,@C@' AD' -A' B C@' U ' ;=LM')' , ' 6$ 0' ' 8;KS=(' ,, ' OL O' >D ') +' ' A ' > +-?' -C' aV +' ' > +>?' @ + C' *(@ C > B+' - ' (V@ @CJ, +B' H+P' ' +-' G' +' +' J G ' ' ' @CJ, +B' A' C > B+' ' ,'$&&+')7 ' & (' * ' =' <0' =SP' B@ / >U@' - ' 0>C.-A' % ?' E@ -C' % ,@ ' +B' 5,@?GA.@ ' A +' ' @ @2' 7B B' G ' +B@' UU ' P' CJ,@C@' - ' +B@' +->A' -' >A+' \ ' 0A . B @D ?' -C' +-' B@ @' $' ;PSL' - ' &'(' ' 8;K;;(' L<P' B@' 9GA. ' -?? >AD@D' 'A@ ' >E ' GD @' +-' E@' ,@>G@D' J-A' ,,' G ' CJ,@C ' - ' -,,@' .-GA.@' ->+' - ' A. AD@' ;PK;' : ' . .' %$ &' > ' ' 2(' & 0P;' E ' 1-> E@ +>CC@' G->C @, @' Z,' J U@' AD' +> @' +-.@+B@C' ' B-,@' CJ @C' >,,' - ' > @' - A@' @A+@A @ ' ;M)' ' ' (' $B0(' $ (' ;=;' A' 3@C B AD @' A ' 3@C B A+' ,' J @' -G@C' +B@' @ 2' @S @J+' B@' B >@' +BC @' !@CJ, +B ' - ' --,(2' - ' B ' A' JC-J@C' .>D@

+ ' ' C JJ@C' - ' U ,-+B' 8-C' -+B@C' - C @'

? +@C ,(' -C' J U A.' ?@C B AD @2' 1 (

$/%/' 1 ' $)) (' (' ' CJ6@C' ' +BGA.' +-' J U@' J' ? C B AD @' A' SM-X' ' . .)' C! ' "' :' L<O' +' @C>@D) ' +' & J@C' -C' CJ,@C ' +-' C J' AD' J U@' GJ

-+B@C

^+@A+a' ' - @C'D' +B' ' IQ@ +' ! C* D@C' - ' 7 --,,2' -C' +B@ C' % ++@,' AD' " -C @ ' QOP'). ' $ - (' (' ' ' ' 3' ' ' (' ' +B@' 5 C@' B->,D' + B2' G->' ?> +' B @' '%- @C A.' -C' ! CJ, @C' C@ DG2' B B' G->' B @' D J+' A' 7 +@C' AD' @6' C>A. ' ;K=Q' ' . . 8 . .!' $ * ! (' ' - C @' J U ,-+B' ? D@' - 'B@?J ' <!&),(

' ' , C.@' U' A -' B B' B-J ' C@' . +B@C@D'

' AD' CC @D' +-' +B@' U ,AW !&,$!0

;K<L' % ' 9)' &*')V (' LM' 7 E)' J U@D2' +B@' B-J ' C@' ?@ >C@D A+-' ' J)+@ ')' .C@@AE .P)' -C' D 2' B-,D A.' C-' E> B@, ' & (' A' " ?J) C@' AD' !>CC@G' +B@ @' U ' C@'),@D ') CJ, @C ' 2 AD' B-,D' ->C+@@B' E> B@,

! CJ,G 2' ' $! ' - ' &

! J#' 8 T*J/(' T , -' K CJ--2')' J- ' ^ '

!J ' $*&(' , +2' ', C.@' +- D' ga' 8!@@' I>-+ (')

;QPL' ' " ,!0')**0(' $ *& (' 'A ?@' . @D' +-' +B@' B' +,@D' EG' >+B-C ' $ *$(' ;KK=' <) !' @+ ' $ 0' (' *)$,' ' - 0 OP;' ' -C?' ^- ' +B@' - D Ba' ->AD' -A,G' A' +B@' >, 2 ?$ $,.) ' *$) 0' 'UA- A' +-' +B@' B@C?@A' ' +B@' T ! CJ-' AD' +B@' '!@ C-E A' ;K<;' ') "' 0(' $*&(' +B@' +- D E* ?$ $,.) ' $)0

! CJ>,@C2' ! CC 2' '66' & &" # &

' ! CC @> '8 @, CA (' ?&!(' , -'K CC '

@A 2 @A 2' ^?-D ' -C . 8 ->?@ -C+''

;QNN2' +@C' /C ' / ' ! A X A' - ' F>@E@ ' B- ' @A+'

B ?' +B@' J, A+(2a' ' .@A> ' - ' A @ + -C-> ' J, A+ 2'

+B@' +GJ@' - ' +B@' # ' & $, ' $, -(+-' B B' E@,-A.'

? AG' - ' +B@' J, A+ ' J-J>, C,G' UA- A' ' * , 3'

*!$' (' "@A @' ! CC @'A D2' AD,@G' 'A ?@' -C'

'J, A+' - ' +B ' #CD@C' 4 0' V ' 0' ;K=M2' J ' =O<(2

;QKM' m %%' - <$ 0' 0(' $ $G' , $(' -C' D@ DD,@' ,- @C2' ;Q<M' % ' = . . ' <$ ' ' ' S S ' ;;K;L(' LQN' & $ '$' ' A + @' - ' +B@' - ' -C+B' ?@C ' 1 0' LMN' $ $ ' $(' -C' D@ DD,@' ,- @C2' S) ' B ' 0' (' P' ! CC @A ' A' +B ' .@A> ' - ?@' - ' +B@' ,@ @ ' C@' A' +B@' -C?' - ' ' J + B@C ' S =' C$!!' $!!' <(;=' :>,G') S' C@ +' +C-J ,' CA -C@' , U@' +B@' E@ >+ >, ! A @?

! CC , ' & ' ! CC , ' ' % ?

'K !A)G<' 10' 5-C? ' =' CC-, -B@2

CC@ G2' CC, , 2' CC ,G ' ^ ' T $ ' 8 ' 52'

' A' 2: ' % '$1' $$: ' 6' ' @ '

!4@ :E' : 23' $ $:1 ' ' $ (2 ' (' 6'

$' EJ,+2' : 23. 6 CZ ' % c! $01' A' 2:

% ' -+ ' 1 1E' 2: :E

,' 4LLN . 0' =' !(' MN=Q' 89-,E A. (' %,@-D + ' !+-D@' -A' -+2' P' ? A' - 'B ' E->+@' B ?' +-D@' CC@, B@ ' 1 0' POQ<2' QK=M2' K<==' %;LLN' $ ' B ' &' 0' $, ' 8$-,, (' ;LPLM / ->A' GJ -'B>J) G' +-U@') ' @G@' ' ' CC@,G' A' +-' a(@ ,@) ' ;D' ' V0' !! 0;0Q0' 80-D, ' 3! (2' J @' EC->) ++@A' ->C+G' -> GAD@' AD' -?@A' CC , B' EGBGAD@' ;LQP' B ' ?) ' 'OOO' B@' UGA. ' ! ' C +' >? AD' +B C' C +@ B@,@' CC +' CC ,G' AD' @,,

<:*1 1 !)' 8 @) X A(' A' I>-+ ' K C8C(X A2'

C A ' ^ ' 52' $ $ ' ' 8;M+B' (2' -C' 1! $ $ ''

F' ! C @A' B@ +' ' a' 0> U B@ +

^;MKQ' ! C X A' -? ' @@' ' JIV $ &+' ' (. . 1') - - ' ' ' ? 0' ' LNK' ' ? ,,' I> A+ +G' - 'E, U' EC@ D2' ? D@' - ') X A ' SKMW 5 ' $!!' <0' LN' >. 'L O' B@' @,D ' - ' A - A' AD' C A ' SKKK' ' ' 0' :>A@' KLM B@' $> A' J@ A+' ,,' A-+' , G ' @,,' B ' B@ +' AD', @' -A' CC X+A' AD' CG@

*1 1 !) *1 1 J' * M K,=*,MM -K

+ ' 2/' $ 0' ,0' 1 0' $ Y> 0' ^ ' 5 ' :

' . ' $,PL0] G . ' $,PL0

:LQP' B ' ?), ' 5$0' 9' AD' +B@' -C+A +' - 'B ' ?@A)@' AEC +' +B' +B +' +B C' B@,D 'EC D' AD' C B+' CC G' +-' . DD@C' C D

! CC X > 2' ! CC@2' -E ' !6' & & '
! CC- , - B@2' V,G2' C' 66' && ' $ ' 1 0
! CC# @C@A - @' @@' & & $ 6
K CC @2! CC 6 B' @@' &&!' ' && !' $'
H 9 $ 1 0 $ 0 ^ D' ' $! &' 3 - (
A' - ' + -A' ' $! ' + -' B -@2' @@D a' B@' + -A'
- ' B -@ A.' -C' + CC A.' +B@' - ,

[illegible]

@. SK- " $ (&!0 S2 B@ ! C+-A> -C+ ,-C'
C> ,@ @A E,@ > EG + -A+C + -A +- +BC- -A@ ,@. AD
+B .B - @C +B@ -+B@C)S!=- 9 . $
OPM B@ ! C+-C > 8+ ,-C' ?> ,@(2
! C+CG 0 b / $ K $
#5 $ (%0 $ $ & @@ * ! .
+ ,-C -CU B-J

;==Q K) $- ,,0 &! 8!>C+@@ (KM A C@J C >*>
D ? -A+ @S -JJ- +- @ ! C@+C@@ ;==K < 1 0(* C--U@
JC- J-C+ D@ ,@ ! C+C@2 ! (
+! C+CG > 1 0 $ 3e(^ #5 T $ '
8C@ -CD@D $ $ '+(D ?@D $ ') -
+ ,-C' B-J2 C@, +@D +- 9 . + ,-C' B-J
;=KL $ 0 ' !(L;K O ! C+CGA2 $ &) - ( ) ') - T
! C> 2 .C JB C - $ 3(-E -C? -)*
! CA ? 8 @ C-?(^?@D $) - 8 AD@ , AY
E,@(2 JJ @ -, @D C-? ? >AD@C + AD A. - +B@
EEC@ + -A $ + -C $ 1) $! , E>CG a B@
@ ,@ + ; A ?@ - ! , E>CG2 > @D ++C E A
! C ? l +B@ -CD@C - D A@ @C @ > @D A +B@
D - @ @ - ! , E>CG C-? +B@ +B @A+>CG +- +B@
$@ -C? + -A - $) - - $!(&%% , ( )1 ,0
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;PQN - L # % (OLQ ; B> # ?>AD> E B-J -
! , E>CG2 D@> @D +B + -CD A CG2 B B ,,@D +B@ @
- ! C>? 1 E,@2 ! C>? @ B@A + D@> @D
;KL 7 . /) 0 ;KM B@ C C>EC C@
-?@+ ?@ ,@ D@ A +@ +B A +B- @ - +B@ ! C>? T 6 @ 1 (
LPQ '& B @J +,@2 -CD A. +- +B@ ! C>? C>EC 2
+ U@A C-? +B@ T -??>A@ >A > J- +-, ;KKO "
- $!) - -&' (Q - $ ' A +B@ ! C>? # @
+B +B@ ,,@,> -C 3-AD G 1 (K $ ' B
%-??>A - D-@ A-+ - >C A +B@ ! C>?
! CA 8 @ C, (, - CC> ^" AD $ 0H
B@ AD A C A@ <) $' &' 0

;KLKC ''" ", 0 4 2 ,GG B@. . A+ AD A -C ! CC>
%C A@ <) ' &' - AA @> ;KQ< = H #
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B +B@C(2T A+@C*@ + -A ? , @C@ J->C@S +@C2@A ->C
.@C"8 ++C@(5-C?@C,G> @D EG @A @C B@A D@, @CY
A. +BC> + , - $ 10 A $3 $ - $ ' ^ 5
%$! J. JD $!$ ' & - - 8 M+B A ++C@(a
AD I> & A UA ?@ -C @A A. ? +@C
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;MNQ B B 0 $ (2 ! 2 2 +B>?J@2 +B@C@
B@ ,G@ ;MNK .3 $ & A , - OO=
! 2 8?G B@ C+ (,@+' B@@C,G +- +B@ B C.@2 ;M<Q S "
B7 &+2 < "@' A-A@ - G->C 5@A @C 2 A-A@ -
G->C ! ! ?@A S - - *B & D ?& ! ;; AD
B + C@ G-> .--D 3-A @>C2 2 ;KOM && (
SS 2T / -G-> @ @C + U@E ,E- A B AD] !] " @C@ B@
-$ @A A. D@?-A +C + -A +B B B@ +, @D C J @C

*1 1 1 ! $

*1 1 1 1 3 !

*1 ! $, 3

*1 ! $,

! B 8 :(2 5-C? M3 % B B2 Q B 8@2
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E AD - A@ ? +@C , -CA + +@D C->AD
+B@ B@ D +>CE A EG #C @A+ , 1 0 0

;P< $ - A $.!) " > &"0 8;P<<(2 OPP C@ +
+-C@ - ,-+B ? D@ +B@C@ - -++-A2 AD !B B@ -C +B@
3--C@ ;M;P) $ (ML ,, - +B@? @ C@ -A
+B@ C B@ D B +@ !B B@ AD >CE A+ 2 +B@ E D.@ - +B@ C
C@, . -A ;M;Q = '0 A ;Q= B@ C@@U@ AD -+B@C
%BC + A 2 @ C@ !B @ 2+B + 2 +C J@D "AA@A8 -??-A,G
B +@ AD E,@ (->AD E->+ +B@ U C+ - , ++,@ J SM) -
-B. . C $;; S B@ ,U A :>D@ 2 ,,@D !B@ B A
"@EC@ 2 B@A @ B J,G +B + , A@ , A@A -C ,U ,,@D
B B@ 2 -CA + +B D G E->+ +B@ B@ D - +@CA J@-J,@
SMK = & - ' ,!0 ! ,(ML !B B -C >CE A+2
$ $0 ;QSK U . . +C >&) - & > & ($' OKQ
^ B@Ga @ C@ +B@ B +@ ! B C->AD +B@ C >CE A+ 7@,,
+B@ >CU

&>+ -C #A@ B- @ C B 1 (

;MPQ ' 8 .. A $>? @G ($!) E O E2 +B@G B-
B @ -A @C @D +B !B B@ AD >CE A+ D-@ @,, UA-
/ C 2 - +@A +B C A.@ + @ B @AD2 -CA
EG ?@A2 @ +B@C - @C -A@ B->,D@C -C C->AD +B@
+ J@ !(8 @@ I>-+ ;KQM(, -2 ? , C
C+ ,@ -CA C->AD +B@ + EG -?@A AD B ,DC@A

SMKS $: L 0 "!&' K< E,@ -C C@D B B . C+
E->+ +B@ C ,-GA ;MK= : & +C $ ' > !$ 0 $!&
4 PK "@ +BC> + +B@ &-AG CD A+- B ! B@ E@ -C@ B
OC@ + ;MKQ ' (<$0(- OO<P = # @C ! B@ AD
$ E-A ;QSP : 3 (C $ OP CD,@ 2 -C ! B@
@ @C @C@2 AD + ,, C O D.@ - " -A->C2 AD / .A +G A
&@C ;QKQ 3 B . A @+ 8;KKK(OLL / C
$-.@C +B , C.@ B +@ B B@ @ E@ 2 A
-C?@D2 @C@ . @A +B@ , + @@U + >A@C , ;KO< (
, . - $ ' ' > *& ($ &' # B@ U C+ J, +@D A >,,
C->AD +B@ +2 AD B E-CD@C - B +@) !! ((0 ! B +-
-CC@ J-AD SK) : 7 C$ $ & .0 % ;<
B +@ C- U +B E, U B +B@ AD + -A +B + B D
,- + ?G ?-+B@C OKQM S . \ 3 ! 0 (
8@D L(2 $ (J C+ - +B@ DC@ - A - @C AD A-A -?Y
? -A@D - @C + -CA C- +B@ B->,D@C EG - @C
AD @C.@ A+ - +B@ A A+CG + ? D@ - C ? -A ,U -C
LB@ -C?@C2 AD - ? S+>C@ - C ? -A AD B +@ -++-A

-C +B@ , ++@C ;KK= C $!! $!! <0 ;L 5@E K O B@ EC D@ Y
? D -C@ DC@ @ - C@ ? - @ DJ A.,@ AD J,> B AD
, C.@ + @D B@ - + A ?@C @ ,,@>S
+-2 $ 1(1)% &-10 1 $ 11&' H $ 3
,$** 1%8 L $ 2$" (32 1%A

;KOQ . "! $;LQ ">CC B +B@ B J+ G?Y
E , A.@C +& S $ > <$0($ &' - KQ O B@
+ C->AD2 AD -CA +B B C EE-A2 < ' !(
$ 0)OQ A -,D J @ @ - C ? -A $ EE-A +G D) ! B G
E->+ B A> OK=O 5 7 !%& $ & ' OK A
@?EC- D@C@D E ,DC -C -CD E@,+2 -CA B @ - @C +B@
C .B+ B->,D@C
! B 8 +@*(2 10 , - Q B B2 B ^

2 $!) 6 # ' ' ' 1$$ / ! 13) 6 1 $: D
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A @ C,G > @ D@A-+A. ., X@D C ?@ - --D D + AY
.> B@D C-? ,@ D@D AD- 2 E>+ A- > > ,,G JJ, @D +-
, D A. C ?@ A -A+C D + A + -A +- @?@A+ -
$ (5C@A B AD- @@ - 2 L(
R &R &' 0 C $. KO B@ JC ? + @ % @?@A+
?-D@,&D @C@ A- D->E+ 0 G +B + +BC->.B B B +B@ & .@-A
+BC> + ->+2 7 B@C@ A- B-,@ !B B@ C@ E>+ -A@
.C@ + @G@ $ OQN= 8 (& < ' ($ 7 U
;QN< " ;NK 7 BG B @ A-+ @@A G-> B A@ ->+ - +B@
! B +B 3 -CA A. ;Q; . * , 0 - P;N & 3 G @G@
+ B D +B +B@ 5 @ - @CG C C, S@D +
+B@ %B A +- J A+@D ! B2 AD ? D@ J C+ - +B@ AD U J
OQSM < $ A ;=; !B-J EC@ +B@ &@C >?@ 2 +BC-
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;QPP ;; ;MP !B@ @A+>C@ A- +- , + +B@ B ;QK;
0&HH 0 L0 &' $ 0 LL; B@ ->+B@CA B D? + +-- +C-A.
, .B+2 1-> C @ AD DC-J +B@ >C+ A] A- +' A .B+ OQK=
] $. QML B@ @?@A+ , A'D +B C@@J A. B@CE
B@ JC->D@C B@ C-A+@D +B) C A.@ # -C A.@ ;Q<=
' A C !0 $ ' 0 4 4 4 ;= A@ C@AD@C@D -AY
> @D EG C@ ,@ + -A C-? +B@ C- - C - +B@ B - +B@
AD- ;K=O < 8 . , 0 e OSM= 5C@A B B@ 2 B B
-J@A , U@ D--C OKQN & !% . !(LO ! - ?@
- +B@ -+B AD- B D E@@A D @ +@D - +B@ C +C @CG
AD ++@D +B B@ SK) 18 A ' , " , !(? (
=<= O ! B@ C@ @ +B@C B>A. >J-A B A.@ -C B>A. +B
, A@ 2 J>,,@G 2 AD @ .B+ 5 S@D B@ C@ J>+ A+-
C ?@ ! B@ E>A. +B B A.@ C@ > > ,,G ,,@D @Y
?@A+ SKKS B 7 U $ ' 2 ' , $' , e KO= A
?- + @ +B@ B2 -A + - C ?@ A B B -A@, C.@
J A@ @+2 -C +B@ J @ D D@D A+- + -J C+ EG -A@
@C+ , E C2 -C A+- ->C J C+ EG @C+ , E C AD B-CY
X-A+ , E C C- A. @ B -+B@C + C .B+ A.,@ O<NO $
B 7 (, 0 =N< A +B@ 6A +@D !+ +@ +B@
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!)% 6 1 / 2 A % ! @ 1

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OMKQ ^ @@ "8) 8V SKX Q , 0 W =OO
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OQNQ) & (') 1($ 0 OQ< 9@@J +B@? >AD@C
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OKLK 0 ' '0 , 0 " '!0 ;2;=K ; ^&-+-? I>@Y
D> + 7 ,@ 2 -C +C A.@C 2 + @, @ EG S A B@ 2 +- .> D@
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OKQ : 7 / .( ) - 1 - $' > <$00 K / @
LMO B@ -,D " B - +B A +B + + E D +- E@ U@J+
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L $ 10 AD &-10" $ %$ ' (! % (
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;KQP(B2 E C2 @ B - +B@ E C D D A. +B@
., A B , -2 +B@ B J@D ? +@C , - B B
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-C .> D@ B B U@@J +B@ B@ A J, @ i B
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D B -CU2 A
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1. ?) ! ' ' $;K ,-A. & @ @ - ! B -CD
OQ=Q) !$ $, =M 3 G ,- @+2 B +B@C
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! ,,G , .B+ B-> @a C@ @,@ @A @@+ S A B@ B .B OQ<=
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B ?-C+ @ B @, ,, E@ A@ @ CG 1 (KO=
S @J+ A A G -CU -C .C@@AB-> @ AD -A @C +-C @ 2
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: 7 0 , 0(T $ 3 !) , (,> @ +B @C+ ,,G
, D A. , @ O<NO "0 ?!$, .> $ *0 ?) ! 0(& -
&6 , (MJ,A +B@ ? ++@C - C +@C AD B +C +C@A.+B
B->,D E@ ->.B+ A D@J+B ;KOP : (. * $0
, $' , MLM ., X A. UA @2 D> +@C2 DBD A +--,
OK=O + , 0 e OOOM B@ B +--, > @D @+2 @>
+ U A. +B@ - , C-? +B@ A D@ +@C +B@ E U J>++ @ C@
,@ C@D # 2 OQLQ ' 11B $! - &' > &) ' "?) ! 0 - 0
8@D O(<L ! B 7 @ .B+ 2 \ 2 + K * % OQM
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, $' , MLP , X @C' -CU ? G , @D >AD@C +BC@@
D + A + B@ D) T' B -CU2 ,@ D -CU2 AD C@+ -CU
8 @*(2 ^ *) a $' 0 - DC@
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OQ<M B 0 C $, 7 U 4 =M - +B@G C@
J- D@C@D JD J@C >?@D2 AD B@D AD J,>?@D SKKW
' . ?.0 ;;Q B@C@ G-> ,- +@C2 ,- A. .- A@D
AD B>.@,G B@D OK<= = ' 9) $, !!$ + B@
C ,,@D AD B@D J,@AD->C - B@C -?J A -A
@S 8 @*(2 M ^ 1! H - 0 - AC
A B +B B AD- +- -A +C> + -C ., X@
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A>+ B - ?M5WA I FLKKK(LNN + B@D >J +-
+B@ +-J +B ,- AD- +- + A OQPN = . A
% = & 0 8;KM;(PMO2 ? A@ B A. +B@ C--?
OQK; %- J $ - ' =KL ! >E>CE A ,, 2 .B+ E-S@ 2
A@ +,G B D2 AD A E, X@ 7 +B ,, :>,G >A' -,,@ +@D
C G SKKM 9 . . \ . $ - 1 OOQ B@ B ?E@C
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2

8 :+(2 **!0 $0 ^ @ ; -C !$?H
+E$L 5>CA B@D -C -A +C> +@D +B B -C
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&& (*'OCVF O

j ;Q;N ! $! - ONL C! B@D $-- 2 B B ,@+
A +B@ !>A + + ?@ ;QM "$, &'G 5 (" - !0 W - 2
5C@@B-,D ?-D@CA E> ,+ B) B-> @ ;K;= $ 0
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2) @ .$ $ YV K$ 5 1
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;K != . . . 0 < 0 S P<=2 B @ @@A
+ - ! @C 2 D + A.> B@D -A,G EG +B@ C B@C @ AD AY
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J / 3 H
) ?5 "./ 1!0 %L0 K$ 1"
E NO. 5 !

SK) S. .0 < (S L;K ! , @C B@,?@+ 2
B A. 2 E->)A.
) @ ./$0 K$ 1! !* .
4 A $

OK=O 1 5 ' 7 C& - ;P< 7 +B A +B- @ B,@
,, O7L 3 ! $ & D0 =O B@ -+B@C . E,@
J @C @D EG B,@ AD-
i 9 $ 1 0@S 4 0 0 , - Q B>A@2
B B>S+@2 B --A ^%-CC>J+,G 5 , $) &'(]
+> @D)@ +B@C J D -C?@C,G -CA A D@ +B@ ,@.
- E--+ , -2 @@ I>-+ ;KQP

;MKQ K A) 5 , &!0 &!!(8;K=<(;;L :>A@ O<+B2
J D "@ACG !B CJ@ - %> U @,D -C J C - E--+@ AD
B--A@ 2 O) SMKK $ ' . - &) " HH0 ;L O ! Y
B>A@ -C !B B>A@2 +> @D -C I> ,+@D @ +B@C2 +- E@ E->AD
E->+ +B@ ? ,, - +B@ @. OM<O ,$ &' ,, L= "
.->+G " - U 2 +B ,@ BG ! B--A 2 U@ " -C @ ,--U+ +B +
B +B@ 5 B -A OM<= = BL +C $1 !$ S LQ
#A@ A ?'D B ^ @A Ba2 ?G !, JJ@C2 AD B@ B ?2 ?G 5--+
A-+B@C ?G 0--+2 B@ ?G !B --A OQNM . . 1 8@D
9@C @G(2 $ &&' (@ +B@C J>+ >AD@C O--+2 E->+ +B@
! ? ,, - +B@ @. OKQP : 7 0 , 0($ &&' (
- + ,@ +B@CA J D J, @D A D@ B-@ +- @ @ +B@ JC@ >C@
-A +@AD@C) +

! , 'AD- ' ^ ' '#' ' AD- '
-A +A.'-' ' '-C'., X@D' --D@A' C ?@'@J'
-A@'B A.' ' B'-C' 'J C'-' B@'? D@'+-' ,D@'
>J' AD'D- AZ' 'D +A.> B@D' C-?' ' @?@A+
;MKM' , -'O;LP K' AG'&@C\-A'? G'E@' >CA B@D'
+B' , @'-C'! B' AD- Z' +' 3C'/>U@'!B-J' ;MKQ'
: ' 'C$' ' ' ' !'SS'8@D'O('<Q' B@'? AA@C'-'
& A+A.'%,-+BZ'-C'! C A@+' !B B 7 AD- ' ;M<<'
6&) '0C$ ';<;' B@'"->@'+' @,' 'E>+'E> ,D A.'E>+'
+' ' -A@'-'+B@' A@+' A'& C 2 "@' B@ @D'>'B '.C@ +'
! B' 7 AD- '*' B-'@ ,G' +B@G' ? .B+' E@', +@D'>J' AD'
D- AZ' AD' +--D' +' AG'B@ .B+' B B'%-A+C A @'B@' D'
B@'B D'->+'-' A., AD2' B@C@'E@A.'A-+B A.'-'+B '&- @'
A'7 AD- ' A'5C A @'E@-C@' ;QN<' ' $! > &0'$%A'
1M' " A.', +@,G'-E @C @D' @ @C , '!B-J Z'+B +' + AD'>) A'
%-C A+B A'&,, C Z' AD' B-,@'$- ' -' A'&-+' B- A.'
+B@? @, @ Z' A'-CD@C'+-'+B@C'! ,@Z' +BC->.B' '! B 7 AD- '
K -' ' ' S Z' B ' ? W@A'-'3-C+-A' ' A'
S@Z'? A] A' S@' B B' ,'-' +) ',U@' ' B' AD- '
SKMb' ' 0' E "' 'SS ';M=' +' ' +B@'? A' @CY
A+ 'E> A@ '+-' @@'+B +'+B@' B AD- ' ,-@D
$ 1(;MK<' A'7 ,, '\'%, CU' $-1 ' 8;KKM(' ';NQ'
3 +@C ,, ' AD' -CU@'- 'P' B' AD- 'C ?@' ;QSK'
'. ' '-'<P'&P' 6' +B@' ! B 7 AD- '!B-J U@@J@C' A'
-AD-A
"@A @'! B AD- @D'** ' Z' >CA B@D' +B'
B AD- 'K , D- C' 1('='&', 3'
2 0H' +B@' + -A'-' >CA B A.' +B' B AD-
;Q;=' ;'= ' 8;0D=(' S' ;O<' " AD -?@
"-> @ Z'! B AD- @D' SK M 3 ' = 6)' !!$ '!@C
' ;=') 'D A+'-' B AD- A.' AD' C@) D@-C A.'+B@'
C? B-> @'B 'E@ -?@' @CG' .@A+@@, ,--U A.'C@ D@A @
! G2' 8K(, G' 8 @ :,Z @ :(Z 0) 0 0'
)! $'' ^3 JC-A>A + -A'#' Q'T V' ' (0
-'T B @" $, & (' B@A @Z +-' ?- @'+-' AD' C-Z'
TD A @" &)' '&'$'&)' 0
#' 7' ' ! ' 0 ' B@' / - +-C',--U@D;M=K(O[
'B@' B->,D',U@'+-'C . D--A' AD' BG' C- ' ' @,,' '+B@'
G->A.' -A@'B@' ' +,U A' E->+' KKK ' '%' '
"&gB@+ '=<'7 B +' @C@'G->'D- A.' B G A.' C->AD' A'B '
C--?' , +'A .B+ 'S!J+' O' ' ' $- ($ B $',, '
G Z 1@'C@?@?E@C'B-7'B@' B G@D'C->AD'A@)J 1C'- @'
A'5C ->A+,'E@' ->,D' C+@' ' , JD--D,@' +-CG'B ? @, '
! >'8 @ A(' , -' $' K- $L' G '
/ ' !&* '1 0*$,$'
, ,, $0
'H 'C ' '"' ",!0 'QO' B@'!)A'-C'%-??-A' A+@,-J@'
;K=)' C('C$! " ' ' '0 'QM' B@' -??-A' A+@,-J@'-+'
A' ' ->AD'- @C'+B@' +' -A+ A@A+'-' AD ' ;K=W < '
$ $!0' & &' ' * , -0 ? 0') 0 OM B@' O, U' A+@Y
,-J@Z-C'! A' ;KPN $' ' ' ' % 0 % 0'
8;<NO(;= S' B '@SI> +@,G'.C @ +,' AD' +C>,G' A+@C@ + A.'
A+@,-J@: JC A.E-Ua' A' +'A +>C@' AD'B E + 'C@? AD@D'?@'
-'+B@' A'-' AD
! >@'8!' A(' ,0' $20 ^! ' C'-'
FI ' -C'-E -,@+@' -C? (Z' +@C' ' + A' $ '$0]'
B@' +'-'. A.'J- @ -A'-'@>D ,'JC-J@C+G' , -Z'
T' -,,-I> ,,GZ' +B@' A +C>?@A+'EG' B B' +B@' +'-'
J- @ -A'-'@>D ,'JC-J@CG' 'JC- @D'" 8* @,,(
C , *'&%' $ '' @@ 1 10 =E' ' '&%'
$ 'H +B@' ->C+' +' D AE>C.B' A' B B' ,'! A@'?> +'
E@'C@ -CD@D' +B A' S+G'D G'-+'@S@ >+ -A
;MM<' ,0' , ' 8;KON(' ,' MN< S' - .@+B@C' +B'
+B@' JC@ @J+' - ' A@' -,,- A.' J-A'+B@' D' B C+@C' AD'
A +C>?@A+'-' A@' -,,- A.' D'JC@ @J+' ;M<L'
,0' , ' !!0' $ "' 8;KOO(4 'OQ; O' ,,' A @+?@A+'
B@+B@C' -'JC-J@C+G' -C' AA> , C@A+Z -C'-+B@C'$@ ,,'$ .B+ Z'
B@C>J-A'! A@'-C'B@C@ +@C'B ,'E@'+ U@A' 1 0(-CDY
A.'+-'+B@'D +@' AD'JC -C+G'-'+B@'$@. +C +-A'-'+B@'! Y
A@'' ;QK ' ,'" ,!!0? 0 0'O(4 'MMS $ ' (-C' '0
SK M ! J ' && (Z 7 ,'G->'+ U@' A@' AD', @CG '
SK K =N' ' 0 ,&' 8;KM=('OK ! A@'-C',@. ,'J-Y
@ -A'-'+B@', ADZ' '??@D +@,G'+-'@@. @A'EG' 'EC@'
C-?'%B A @CG' ;KM<' , 'L,' =' ' 0' ';N;'e'L'! B@D'OZ'
'D J- + -A' Z'E@ C A.'D +@' ' A'+B@' JC@ @J+'-' A@'
B@C@ A +@C' A @C+@D' ' $2' *0(< **0 $ ' LNP
B@'+C> +@@' 'A @+?@A+'A'+B@'B@C + E,@'@ + +@' 'C@ -CD@D'
A'+B@'C@. +@C'-' A@' +' , .-
! ?+##A' 8!L@U +Q Ag' , -' U--+--? '
^%-A+C +@D' '%C@@' - $ .2$& ' " 8) -?E@Z'
('!$'!$')' ' + ' ' - P .2$'+B@'
?@, A B@C'i'- '' C> +Z E@CCG a' % A D A' A ?@'
-'+B@' BC>E'-C' ? ,'+C@@' - !$', ',$'$ ' '
8 C' $!' &! +(AD' +' C> +Z' , -' ,,@D' :>A@'
E@CCGZ' B D E@CCGZ' AD' @C @ E@CCG
$ >/' ' 1' WI ' $.$, &%' &,.'" 0(
E,@' -'%-A+@A+' Z ! U--+--?'O@CC @' 8 -+' A'+B@'
+@S+Z' B B'. @'+B@' AD A' $.&& &&-0- '$0W'
O 0&' ' '#' ' '0=')-- ' '5' ' 0' $'$ $'
=Q' B@' ,D' U +--A' ' @CG',> ->' C> +Z,U@' 'E, U'
>CC A+' AD'E ,E@CCG' -?E A@D' ;<N=' '?!$,.20 $ 0 :>,G'
Q=' B@'>A ,@ C@D'E> B' '+B U' ,D' BZ'? J,@)' B@CCGZ' DD'
U +I-A
! @Z C A+'-' ' 1 Z ! S-A
! -A@Z'-E '! ' J@,, A.'-' &' &&'0
! -J* 8@Z' 73='?701=' 7?'
! W EG'8) E(' , -'<' 8 a GEGZ')'
GEF Z' GE (EG@Z'+ @ @E@Z'+ @ E '
^ '!@ B A' 1(' C.@' A+@,-J@'
= E $*) '!)'$ +('A + @'-'!Z' C Z' -?@Y
+ ?@' ,,@D' +B@'0 + CD' " C+@E@@ +
K -' ' .0' 0' % ,$'SK' B@'! GEG' ' A'
A+@,-J@Z B@C@+- -C@'A-+'D@ C E@DZ' ->AD' A'+B@'O-- B A'
->A+CG' ;KLL' C ' '"' ",!0 '<N O B@G' -A D@C' +' '
U ADC@D' J@ @' +B' +B@' "C+@E@@ +'-'+B@' -,-A + B@'
O-- B A ,' +' ! EG' ;KPN $' ' , ,')' %'
%' 0' % 0'8;<NO(;PM ;'&C@ @A+,G' ' ?@ C- ' +-' '
GEG)' -A@'-' B B' 'UA- U@D'- @C' SK Q' 3 7 '
$ 0 ';LP' B@'+@ @E@' $';KQP' ' '<&! ' &'
0' X0' % 0'8;KQQ(MM @@' B-+' '! GE@Z'-C'E + CD' - C+@

E@@ +' ;K<Q' " ' " ' # ' ? ' ' 0' % 0'LOM B@'
+@ @E@'-C' EG'-'!' C ' 4<NQ 7'%' B..'?"'
! '%' &*B'ON;' #JJ-C+>A +G'+-', G',-'U--D--Z' E,@'
AD'+@ E
'8 @ BC)@(' , -'Q' S@ Z'
C Z' Z' X Z' C C SZ'Q K' C Z'K <'
S C ' ^ ' !J' $$ $'8 B@A @'&.' $,% $0(
$!, $0(5 Z' Z' AD'?-D ' $ $% $0
+' 'D->E+>,' B@+B@C' +B@' !J' -CD' ' '+C A @CC@D' JY
J, + -A'8 B BZ' AD@@DZ' ->,D'E@'D >,+'+-' ->A+' -C(-'
'!J'C@JC@ @A+ + -A'-' ' $5% $ $' L6 7 I'-C' B@+B@C'
+' ' D-J+@D' C-?' -?@' ?@C A., A.> .@' ?'+B@', +@C'
@'+B@' ?@C A' -CD' @@?'+-'B @'A ,>@A @D'+B@' -C?'
-'+B@'!J'A ?@'-C' S C .@Z' B B' -CD A.'+-'+B@'A + @'
,@S -.C m(B@C'B '+B@' -C?' $5% $ $('% $ $('% $)$(
$! $ $(' $! % 5(' $5$8 $50' B@'!J A B' C+@C'3-'
A CD@ '8;PQ;(' C@. CD' +B@'!J'A ?@' D-J+@D' C-?' 5C Z'
B B' @@?'>A, U@,G'B@'. @'+B@'A + @' AD A' A ?@'
C$)$- 0W
' ? ,'+C@@Z' $ $% $'&%%, '$!'8 '#' $)3'
'$ +(, -' ,,@D'! C ' >C@,' AD' .>@ +C@@Z'
+B' .C@@A' J@+ ,->' ,- @C' AD' D?-CJB->'
,@ @ Z'A + @'A' -C+B' ?@C Z' B@C@' +' ' D'
+-'B @'E@@A'D - @C@D'EG'+B@'!J A CD 'A' ;POK
B@'A ?@' 'C@I>@A+,G' JJ,@D'8 B @ ,G' +B'D@ A A.' -CD(
+-' +C@@'-' -+B@C' .@A@C' B B'B @' ?, C'?@D A ,'JC-Y
J@C+ @ ' @ .' ' > +C, A' -C' ? A A' '= & * - $'
-& , $ $+(@@' .B " B " Z' OC X, A' ! A!, $' $'
C),) "+0' @@' B E % G@AA@' '= $) !$' - * 3'
' (#C+@ " ,' 0= $ $% $'C$. '&5"!&'+ ' ! ?JZ '
= $ '&!$' !$) ,$+0
' 1 'B&"% !!' 2 ' ' =M # '+B@' C@@'+B +' '
EC->.B+' C-?'+B@'5,-C D Z B B@' !' ,,@D'! C ' ;P<Q'
<) ' 1$!' A' SSS ' 4L=;' B@' C--+@' - ' ! Y
C 'B +B' J- @C'+-' -? -C+'+B@' ,>@C' 900' 1
h&' ' 0' $!'OMN' E->+'+BC@@'E-.B@ D '-'O@>@C' U A'
AD' -?@'! S@ C ' SM=S ' 3 .('?' , 0' 02' !1 &'
: ' 3 ' 0' $ 11"' ! '=Q B@G' -CD'! AD , --DZ'
> >?Z AD'! C Z ,'-' B B' @C' -'@,,'UA- A'
;MK=' (' 0' A' ,$ -' "' ;,' : A'8;K<M(LM L' B@'+C@@'
+B +'.C- 'B@C@' C@'+B@'3 >,E@CCG ZZ +JB@ A>+' BZ'!) C S'
;QOM'!" k - 9 ' & 0 &)' ' & !'8;QPQ(P=' B@' C Z
-'?> B'@ +@@?@D' ?@' >C-J@' ;Q=P'&' - !0' '0
&'>' "0' 0'! C 'B@C@' A' .C@ +'&,@A+G' ;KSQ ;K'
' 0' !0 0 8;KOO(P' B@'! ' C A' ,- @CZ'-CZ'
B +@ @C'@, @' +' ;KPM ,,@D' +'C@ @?E,@'+B@' ,D@C' ,- @C' '
.--D'D@ ,' ' ' !) 0 & "'SZ AD'+B@C)'B A.'-A'
+B@' C)'EC-U@A' AD'E@A+Z #A@'+C@ '-'+B@' @,,'UA- A'
B C' ;KKQ' ' (' ! ' $(@+ '8;K<L(;=N A'-,D'
@,D' ,,'WC- A'>J'A' C
/ ' B@'DC @D'E CU'-'+B '+C@@Z >@D' ?@D A ,,G'
' A' ,+@C + @' , -' A'A > -A'-' +B
' ' '6&" E' 2 ' 'PN 3 AG'&!'+B@?'+B +'
B D' @C+ A 'DD'>U-' 7 +@C' -'+B@'! C Z ;MNP 0'
,- - ' &!*&' 'A' Z -' AD A' DC>.'B D'@C@'EWWA@' ?@D)'
E @AZ'! C 'A-+'A ?@D' 4Q;=' 0'?.0'&%' $ '<M
! S C ' JQ' ;NN 7 @ .B+Z NP NN' ' !$'!@C'
C $ ' - ' "3 2 * (' -?J)+ -AZ +B@'.C->AD -CU'
-' B B' ;' B @'>AD@C +--D' +-'E@'+B@' @@+' -D' ,@J+'
C ' K)'$' .B' $ ') !!0) &- ' =NP'
! C Z '+B@'E CU'-'+B@' $) ' $ $% $ 0
E ' !'&%' $ $% $' $ % $'&!'8 @@'L(2
' ' ' ,'IT')**0 ' ' 6!(B@'- ,'-' C '
'J@ >, C,G', E,@'+-'CG) ,,X + -A'A' @C+ A' C >? + A @ '
;KLK ' ' . '0 0 ?& '=Q<'#"'-'! C ' '
-E+ A@D' C-?'+B@'C--+'-'+B@', >?W C
' & - 10% $ $% $ 31$.(34 * ('3* ('3 && (3 (
32&& H K \ ' , >C@, @A -' C 'A>+'
8 @@' B D'. C '- ' A'-,'D +,,@D' C-?'
+B@'C--+'-'+B@' -??@?' C Z' C-?'+B@'E CU'-'
+B@' ? A A' C Z-C' C-?'+B@' + C 'A>+'
C ' - J' !0 0(' ' -J' @A+@D' +B' Y
C '' '+@ Z A'A > -A'-' C ' -C?@C,G'
>@D' A'? U A.' ,--J
9 ' < 8'))-'A' '' ;KN 0@ A.' @"' B@) @DZ +'B +B'
+'B@ @, W ? ' +'E'+B + -'')! C 0 CI>@Z KQPM))))'
' 0' ' 'P=L' 8$@ J@' -C') +B@A A' " C B' (
)! C 'B J 'S)K' ' ' 0' Z 0'&%%, '$! (
-C)! C ' >C@ 2.C- 'A' -C+B' ?@C ' L J O).
$0' " (?&0LN B@')! C 'A>+'-'+B@' -AD-A' B-J'
C@'+B@' C>+'-'+B@'4 >C>'&> @+' SK-' ,0' $, ' A'
$0' - (0 Q=;' B@' C '+C@@Z'+B@'E CU'- ' B B'
G @,D'+B@' - +,G' -@,, A.Z AD' ,'6 'C--+'+B@')
-, SKMS . '$'0?&0ML;') ! C 'J +B' '> @D' A'
?@C ' ' 'D@?>, @A+ ,U@' @D A' I> A @' @@D' ;MNQ' A'3 '
*0' ' 0' &--0PL 0#>C'@ @ +' AD'C D@' + -?'
?) +G'E@A.') C 'C--+ Z @C@' .+B@@C@D'>J'EG'+B@'
,-C ' ;KQP' '7Z' 77 ' '460' 0' 'P;' - A-,D'
@A+'E U'+-' A., AD' +B' C.E'-' C --+' ;KML
O ' ' 0) &'' Z'OPM A' -,D' -? A' +B' + -'
@A+ ?@A+ ,'D >.B+@C Z B-' ' G ' ?@,+'- ' C - J'
;QKL' 3 ' < A' 0' & -)'0 O=P' !B@ DC AU'
C '+@ ' ;P<Q'< ' ' 1$!? ' SSS ' 4L=;' B@'
)! C '+C@@' KM= P' 9)' &- ' 2 &) ' $' 'S '
8;KMK('L' B@' A @ +' ,,@D' $)' '$* &- $(B B', @'
-A' +B@'! C '+C@@Z' SMKS +C'? & C ' "0C " ,' SM
#A@'DC ?'-C' + -'-' ! C S -ED' ;QLM' &) .(
';L' ! C)-ED' AD'%E A C--+Z-'@ B''*U
1^ / '8 @ CDZ C D(' ^' '
6 F D'N")F '> @D' CC@. a' '>E + A @'@S+C +@D'
C-?'+B@'C--+ E CU'-' ' C
$ /A' = 6 ' $' ' ' ' ' ' KQ ! CD@
$ >' ' 3' $ (0 (8@D'M(= N 'C@D' -,->C A.'? +@C'
' ,,@D' CD
J F/ ' @@'! 5CZ B *7'
'8))? A(Z'$0 AD' 10 ' , -'! '
> A' ^ ' $ $'' 8&@C ')+'a'" V' $ $ B0 # '
-C'J@C+ A A.'+-'+B@' ? ,G'-'! AZ B- @'.C ADY
-A' CD B C' ' ->AD@D'+B@'DGA +G' B B'C>,@D'+B@'
&@C A' ? J C@' /'O;; MP;' E' 10 '?@?E@C'
-'+B' ? ,GZ'@ J'-A@'-'+B@'! A A'U A. Z

;QKK' < ' ,!0 ' ','OKP B@' ,'-'+B@'! A A'
DGA +G' ;KPP' - 7B ' $' 1.0 ' , E0 ' ' LQ;'
B@'! A A' +--U'>J'+B@' +G,@' B@C@' +' ' ,@ +' EG'+B@'
E>,@C'-' '," DBC' SKMM" '!0' $ 0' &,0!) . 444' '
Z ;LL' B@'U A.D-?'-'+B@'! A A' ' ;<NK')$) -'
OK'3 C' LKN ;' B@' >@'-'+B@'D@ G'-'+B@' OGX A+ A@'
AD'+B@'! A A'@?J C@
(==(<' ,=->=(</' 10(<$0 4=7 & "' <-'
0(<'1-< ' $ $' $' L '? ' $ $'($ $'U =--'
L0-D'B <a D (' 10 '<-=D- <(*7? (=(' ,=--' '
' 2" $ ('J K 7?*6-' (=(('<+ (=*+' 3'
$ 10 (< ' ' ' $0
;QOM'< ')'))8;QKO(' 'OPM'& 0 B@'DGA +G'
-'+B@'! AD@ ' ;KQ;' &' ' ' 0' 0' $ '4 '
e'Q8;KK;(LQ<' B@'! AD ' D-J+@D' ' C@D' + AD CD'-'
,@ +B@C'@?E, X-A@D' +B' .@? ' ;K<P' ' 0 & , (
- - & 0 ' ,-S'^[-C- +C A ?a' B@,D' +B@' &@C A' ? AD'
+,'+B@'@AD'-'+B@' ! AD'DGA +G
?E==(L(0 44('73='?701'7? &' &
(==(0(0(F =--' ' & !'
*' (==(07 .447 ' 4=7 =(==70744((K4 D I-<
-(==7074' 0(' *' $ $)&!&(7W $ $B)& &(?'
$ &'07DJ G' 6-' 7DJ'%K-7 '= &!) -1$'! $+0
' " ,!0')**0($ $ &!!&0 ;KPN 7 .3 !'
$ & &!($, & &!!$0
*' (==- ' 1 0 4=7 ! =7==' 0(' E' $ (7?
73=DE0-'70 K ' 6-' 0' $'7?*6-' =(1-'1-(K'
='L073'?071' E G ^ 7D''@@,'"
' 'S B) ' ,0 $'0 ' 'OO' '! @'+-'
E@' @+'+-',@+' +@C' A+-'-,D'7@,, AD'+-'JC@ @C @' . + -AZ'
SMM ' 1 ' $ "''OP : A' ;MMP) ' ' $ '0
' Q' B@' !- @' +' !+ A.C->AD22 AD' -+B@C 2 C@'-'
A.>, C ,--D'>@Z G@+' 'D-' C?Z +B@C@' ,'E@' 'A@ @ +G'
-'B A.' '!-, ' AD'!,@>@'A@'C'/ ++-A.' KMS '! '
) ': ! 'A . 3@'! @'-C 4E D-(*' *(<K07E <'
(==- 44' ,=-. - (-R/' 4=7 & (==- (EK6'
(-=((K6'& "' (==- (K6' (==((K3/ "' (7'
=((D6' 00-L0'V(-4' + %' D*' K4=6' E'
(' K4=61( ] 0=6' % ' ?0
'*-L0'*6-' DE*' -*6 D (1-' $ ' , ?0
V(-4' + 0 =6' K4(</G
6-' (1-'K)-' 3'+*6-'V(-4D' 6(3*(*=7?V0-(*
0*(' (< 0-4(<' *7 *6-0! (R7 '>70 K4=6
-K637E0=' , 71-*1-=(**0 3E*-<*7 H-4=6=L-(J[
-0=F *6-' 700-=L7 < K H-4=6?701' ='
;QQ;' !3#+/)3 ' !0L'!@J+Z B@'" .B, AD@C'B @'
A-' -+B@C'A ?@' -C +B@'J@-J,@'-'+B@', -' ->A+CGZ E>+' ! @'
A >.BZ'-C'! S-A' ;K = ' &' & ' ;'-' A'
& $ ('E@,@ @'+@' C-, ' -A@' A' >+ A'+B ',-- @'
.+E' C@' ,, @+'D- A'EG G->'! @A B'+-'+B@'0-(4 . , +G'
-'+B@' @ C@CZ $'S$ -' 'A' * '&%' $ & '8;K=P(
O=' 6A C?'D'?> + +BG' -A' AD'+BG'D >.B+@C' +' B@'
! @A .B' 'B +@Z'$'&/' K' ' 3 '
&' '&"' Z'$@ @A.@ C@?@?E@C' ?@C U'D B'D- A'+B@'
! A B KQM< ') ' (&'0)0S ' '=;N '& (
EC @'(<J +C - + ' (==- (W1(+3-' D'+-'6()-' J@D'
->+'+B '=(1
$ 10 K)'7 '!'< . '?$1'?$!!' ;KQ 6',- @D'+B@'
3 %, AZ) @' ! @A B'EC>+@'7 B-' ?@'+-'+B@'" .BY
, AD'+-' WB AD'+-'B--+
(==-0' ! $ -C?'-'
(==6 -+F' =-- X AC
(== -**-' (==?0 (*7 ' $ (' '
'Q 'Q
;MOL' %-%9 $ 3Z ,$,'$ &'(?>CD@C' MPM' . B '
!& & 0($ '$ ' '=--' $ '$ (
+! 'D!6 # + Z T 1 0 8#A,G' A' +E.- ('
^ JJ' C' +' $ & ' $5)-'C# U a' $- UGZ' +-AG
%MKN ' 8' $*0 " ' B ' AI>' ' ?C A@'
) .@ 1 0 ? 'LPN %- +A.'+B@' A->' B- C@'-'
#@A- @'C@> @C-@2
(==34 - ,=D=L4? /' '0 4=7 ' 0(
V' $ & '' ,'(0=*- /'?'*6-' (1-'7?*6-' D@7' <-4
E=D(+#> ' ' H'*6 -EL67 D' Y G'
(*)-' 370(D D (D <'?7E <' (=(' D0+=*(44 -'<-L7=*
'*6-'67* =L0 K=D? E=D(+>
;KNQ' 5 $ ' , 0' 2(' '0 'OKM $ &! ' '+B@'
A + @'O-C ' D'-'! -' A' > AG' SK W' '
-($ & 0 8@D' K(OS<' '& (! -6A@' SKKK' ',",!0
? 0 4 'LKQ ! -, A@
7 (>& 7 *-$L0-D
SKMK ' " 0 '08@D'P(P<=! -6+@
&(==7074,4(F =--' '' &
4\ (= +,= -.= /' 4=7 =(=='=(ED+'0H' ?0D('U'
3-4 -)-<' *7 0-L0-=- * *6- K' !' $0]' +=-<'
$ 10 $ "3 (?0D(' " &* !&)-'
) ' ' = "'&- $ $' ' +' (4=7 ' $ "3
1$.(32&& (*6-' 3(0J 7?*6='*0--' ('<-D7D*-1' 7?
W6D6 =' E=-< ' H-=* ?0D(('70<-(4 L7=7
;KPM C $ - $,) 0" - ! 4 'OLL' !@ @C ,' @C@'J@C @ +'
J@ ?@A'-'+B@' A ,-C@ @A @-'+B@'! G'E CU'+C@@' 1 0(
B@'! G'+C@@' ;KQ=' $ 0 ?&' '!>JJ ' ' "' &3
*.!$)-0 B@'! G+C@@'B ' 'J- @ >,G'J- -A->'E CU'
;KKL" - !(-0' 0 O<3 C';LQ '#A' CG+BC-JB,@ A@Z
+B@'&C A J,@ '-'+B@'!)) G'O CU' () '
)&1& 0 SS 'O;<'!B@' ' > @D'- 'E@A.' ' + BZ AD'
+B@'J@A ,+G ' '+-'DC AU' +B@' G' --D' K<Q =
: 7 . ' 0 % ,$'=M=' A'E-+B'+EI' --D' AD'% , Y
E C E@ A'DC AU' +B@' -A,G' B A @ -C' +B@' > @D' + @' A'
I> CA.'+B@' + B D- +#C
* (.=*(K- '=(> * K' 1 0 5-C? '=' '
+ A.@Z'P + A.@Z'P M' aC + A.8@Z' +@ A.Z'M'
G' +GA. ' ^ ' $(A-C+B@CA' -C?'-' "E> U@+'
i' !' % 1 0 % ' ! ' ' !- (/ ' ,)) - '
'J-,@'*@ @D' +BC->.B'+B@'+ -'@ C ' - 'E U@+Z'
+-' -C?' 'B AD,@'EG' B B'+ -'? .B+' CCG' +'
bLQ!') &' 0 * '85 C+(' ' U!D' @'2 '?U,
: ; -

[illegible]

[illegible]

[illegible]

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[illegible]

YYYN9' (< , ,4 (7W

701=F =(D (*,*+ (*-' =(D+(*,*' (**-' (*-'

[illegible]

$!%0 ($ Y(3**H0 '&% M_ / $L

7' ? 44'=(* =?+ ,W *6 ?77</ - D-

7 K0(?+ *7 *6-' ?E44 ,(L-0=7 ' 70 6 = <-= 0-=/

7 =* * ' 0(0-4+ 7W ,*6-

L0-)(4 K E=-'3- K '=- =- ;/

[illegible]

7' K0(* ?+' 3-+7 < 7 -2= (*E0(4 <-= 0-U *7

W-(0+'70'<=KE=*'3+'0-L4-* 7 U *7 K4E*' D47+'=E0?- *

[illegible]

!$,?70 7'3-D71-'=(* (*-<'

7'=(*E0(*-'

[illegible]

**!0' $0

D" 4% 3 >) %

F+

) ?5 ?'5 $ K $ O$! 6-

2',=(*(?* /' 701=F !'=(7 -* - *+'

*--/' =(*4-* - =(* -*+' 0(<'

*6 D H *6 D %+ (<'

(3E <(D-'=(* -*+' ?' - 7EK6

[illegible]

6 -?4+ =7 '=(*-?+' '=(*+?+'

=(* ? -' 0( )(0' /

[illegible]

(* '8 @'+ A(Z '8 AD 5-C? F = P' +GA@Z

A@Z = M' +GAZ +8+(-AZ P' +B AZ P)' +@A

+@GAZ P)' ++GAZ P K' ++@AZ M K ++@8 (A@Z

0 +8+(AZ +GA Z ,0 ,+ A.Z ++@ A.Z ,+ A.Z

M K' K ++ A8@Z M ' + AZ ^ '5' '8;=+B' A

D*-< 3+ -I' =(' -0070/' (LL' (<' *'

L073'0-L0'4(*-' '!L, =4J- ',D47*6/

?' '=4J' ?'%K' ,9?071' * /'4(*- -<

+ ' + ,?071 0 / + ,: "#' ?071

L(/'U (4=7 E' .

[illegible]

$ $ '=4J' ?(30 D W *6 (' K47==+'=E0?(D-'7 '7 -

=<-' L07<ED-< 3+ (' 1 -*67< 7?W-() K 3+ W6 D6

*6-' *60-(<=7? *6-' W(0L' (0-' D(EK6*' (< 477L-< 3+

6-' W-? 7 4+ (* D-0*(*-0)(4='

& , F=--' : ' 3

[illegible]

6-' L4(* 7 -=*+' 4+ 4=7

* ? * &3

[illegible]

4=7 *

7' D744-D*70?-' (1-' ?70 (' K47==+'W6 *-' 17*6'

4=7 *

[illegible]

E4' **03'(< 713

'L(== K *7 . ((<-'7?=(*

[illegible]

3 -=-13 4 K =(* *-R*E0-'70'=E0?(D-

[illegible]

*' 7 47*6-< '=(* , :!*6 D- *' (' 1(0J 7?

<(<+ =1/'

[illegible]

! +G 2 +B@ %-?@D @2 AD +B@ C .@D @ ;MP< ' !0 $!! '
2 S =N= AG B ,, +B AU +B B C +@C J C+ U@ - +B@
+GC2 ; B ,, E@ @@ B B ?+- -?J C@ + +B +B@ +C>@ + +@
$ ' .) 6) '$! &C@ 8;MQL(-CD A. +- +B@
A @A+ > @ AD , - ! +GC@2 + B->,D E@ A@ C@C +B@
%-?@DG2 +B@A +B@ C .@DG2 A-+ D@ , ? A. . A + @2
E>+ *@@C A. + + SMK ' ' C & LM A &!!0
C& - 8;MK<(OM ; O G@ C- A'D 3> @2EG !- @C@ .A $ .B+
- ! +GC@2 +B->+ D@ @C+2 A D>E ? A C +-C ;M<L
3) 6) '$! /@D 8;M<Q(LP B> B @ JC- 'D2
B-J@2 C-? +B@ E@ + %C,+)@ 2 +B + +B@ $-? A ! +C@
A-+ E-CC- 'D C-? +B@A @^ C@@ @(2 E>+ - +B@ C- A 3 A>
+>C@ $>A B 7 & $- ; ; 3G @C @ + C@
/-C @+2 ,@AD G->C @ C2 AD J +C-A @ ?> @ G-> AA-+
@ C O &O .1 0 ' 0 O<P2 : B @ @@A A-
J@ ?@A - " AD> +C@ A &/ ' 1 A ',",!0
&*0 4 L<; O > ,> @C+@D EG "-C @ +- B @
E@@A +B@ ->AD@C - +B@ @ ! +C@ SKK- < .) 8
A !$ ' , & ' !"" 5@E ;<< B@C@ C@ D @C@A+ U AD -
+C@ +B@ @J >C@ A2 B B , >.B + ? AU AD2 +B@ +- Y
,2 B B AD .A A+,G , B@ ? AU AD2 +B@ GA ,2 B B
B +@ AD D@ J @ ? AU AD

E B@ @?J,-G?@A+2 A J@ U A. -C C + A.2 -
C ?2 C-AG2 C D >,@2 @+ A @SJ- A.2 D@A->A
A.2 D@C D A.2 -C C D >, A. @2 -,,G2 AD@ -C>?2
E> @ 2 -C @ , - AG U AD

,5 $! 8/U 0> UB? (&!! '' & % M
-+B A. B@,J ?-C@ +B A ! +GC +- ?@AD ? AA@C 2 -C
+C>, @C C+>@ 5C @AD $%OO . C $!0 L; "
A ? D @C -A B @ -+B@C >,+ E@ D@ ! +GC AD E> @
OQNP) $!" $* $ OMP B +B@C@ -C@ A+@CY
JC@+@D EG ? AG B DD@A & @ @ - ! +GC ;Q = $ 9 ."
0 $ C $, 0 LP< B- @ &B C @@ 2 B-? ->C
O,@ @D ! ->C2 +B +B@ >+?- + +GC@2 AD AD .A + -A2
,,'D J A+@D @J>, BC@ OQLM B . '$!0 ;; 2 B@
3G+B-,-. ,^7C + A.a2 AD +B@ ! +GC , B@C@ +B@ ! +GC
2 +-)+ A /@.C@@2 -A @ ,@D SKSM)F> X" < $'
$ QP / .C @ >, +--2 +- B>? AA +>C@2] 6A -C+BG
@ @A2 - B + C@ OKOK 0 0C SSS 2 $-+B G
+B->.B+ B@ D - @C@D ? ,@ >J-A B ->A+@A A @ AD
+- E@ +B@ >E*@ + - +B ? A' + C@2 . @ B ? A- -CD A CG
D@.C@@ - J A OK=Q C ' , . &&/ AD - +@A
?@ 3@, B ++ A. ,, @ +B B + # .@A+,@ + C@2
U A +- B C +G2 B + B C?'D A-+ OKQQ = . 1 ' 0
) $ S- @A A- +B@C@ ->,D E@ +-A@ - + C@
A B@C - @ B@A B@ A-+@D +B@ , +@ ? CC .@ - -A@ -C A
-+B@C - B@C -,D D-C@C

% 0 @ + A ? U A. C D >,-> 8% (

$ & $'0 $ SS 2 !-?@ @ -C@ - G@ C
+@C CD 2 B@A ,, +B@ J C+ @ C@JC@ @A+@D C@ .C- A -,D2
B + E ++@C + C@ +B@C@ A +B- @ , >A+ A. B ,D B ? ,G
J-C+C +

D * & ' % 0

$ A+ .. $ - 0 $ &'' $ 0 ;Q ! + C@'' ->C.@
->,D U@ +B@ ,>?E@C A. B->AD # %-A @A @2 -C @C @
+B@ D@@J@C ->AD 2 B@ ,@JC-> C - ,,-> A ?G2
;KPP = . $ 0 0 S 8;KM=(LKN ! + C@ E@. A
+- ? + -A+@?J+>-> C ? + +B@ J-J@ AD +B@ J J ,
J- @C $ >+ 8 B) 0 8;KQP(OPO ! + C@ A
@ C, @C + ?@ B D B A.@D B@C C . -C C-E@ :> @A , B D
,-+B@D +B C@2 AD /CGD@A +B ? *@ +G2 +B + AD@C A.
AD E + CD 3> @

! + C , +@?J@C2 D J- + -A +- > @ T + C@)

$ AO)5 ; 2 B@ U ADA@ - B +@?J@C
- - +@A@D +B@ + C@ - ? A@

+]$ + C , J@C -A2 + C + 0

^&@CB +- E@ C@. CD@D ? > @ - D
;P<M ' 7 E!")*&'' B$5 E 2 " CU@ A +B A@
@ C@2 3 ? - ! + C@2 I> JJ A. @,,- $%A .
"' $ ' 8;MLL(O'L E2 &C@+B@@ ! +GC@ B> @
A-+B@C ,U@2 AD ,@ >@ +- A -G +B 2 $;MO< < 66
&) $ &)) . 20 8;MLO(/ E 2 &--C@ ?@A ? G ,- @2
AD A-A@ +B@ C , -CC@ + O>+ ,, +>CA@ ! +GC@ -
9 A. @ + A%&+ .) - 0 &) O *E2 7 @
? G @,, -AD@?A@ ->C +B@C 2 AD D@ , ?@ ' A +
+B@? -C ->C E@.@++ A.2 -?@ #C @-,,-2 /@ + +- E@ ! + C@
;MPM . = +C ?&,,$! '% 0 0C$ - $ (+SSS
8;MQ=(;KO + E@ A. -CE DD@A +- J, G +B@ ! +GC@2 . ,, A+
?@A B- +B A. -?? ++@D2 B B ->.B+ J>E, U,G +-
E@ D@ , ?@D . A +2 @C@ -C 'D +- @@2 AD +- G A-+B A.
$>+O 1 0 (P<O @ @ D A.'C-> +C>+B +- >A > Y
@ >, ! + C@ 2 AD , ++@CG +-) >, -?@ /@D +-C
% 0 ,SM-- & ' '(2 $ @ C@ +G 3> @2 ?G ,->@ @@+
@ >C> G + ?@ B >@ AG C A ,@ .C >@A +B@C@2 AG2
E@ $ +- D@ G2 AD ? U@ + ?@ J- ,@ D J, 3 @>@CG
B@C@2

M $ 10 AD & - 10

;PPL 9 . 0 O=E2 B@ B B@ +BGA. JJ@C@+B
J, A@ EG +B@ ! +GC@ &-@+@ ;MKQ) % C (?
;;KQ 5C-A+,@ AD ! +GC JC-- B@ - 'C +B@ +C@@+ 2 MJ
$ " $ 0 ' , O B@ - A2 , 2 A- .C- A ! +GC
JC--

! + C@ 2 -E -C? -

! + C@ ++@ '&', 32 0 ^ N " V
? ,, + C@

;KQN 5 ' & , ? . 0 ,0 8;KKM(;PN B@ B C
+@C @ @A B @ ?@C + B@G C@ B JJG + C@++@ 2
! +,C @@

i ! + C ,2 $0 1 0 $ 0 A M +GC ,8, ^
! 0 i), a ! + C ,

;PQ< 8 C ,. $ 0 & 0 ; SSS ;N= E +B@
! +GC , &-@+ G@+B ;PKN ' 3 3 0
7 U 8 C- C+(KL B E-,D@ ! +GC ,, E@,,

8 + 'C , (2$0$ ' 10 5-C? M +GCGU@2
+GC I>@2 + C -U@2 M K +GC U2 Q 8 +@
C U@(2 +) G@U2 I>@2 Q K 8<(+GC 2 K +
C -U2 K + C 2 ^ D 5 $ D)(D , +@
$ $ 8- AD D (2 $ $ % + !J
,E! ,&(&. 2 + $,&0 85-C?@C,G - +@A -AY
> @D +B DV $ B0
2 J@C+ A A. +-2 -C - +B@ A +>C@ - + C@
-A + A. - 2 -C -A+ A A. + C@ +B + C +@ -C
-?J- @ + C@

^;LKQ $ A '' 8$-,, (;QQ #C >]L J-@+@
+ C > AD ,C > a OPN< " 9 *&% &&! &C-,
8;P;Q(E2 3 G E-U@ +GCGU@ .G>@ A+- G-> -C @S ?J,@
A I A) *&!0 C& 8 CE (OK B@ ?- + A-+ E,@ ^U AD
- J-@+ a E@@ +B@ "@C- U2 C U2 ! + C U2 , ?E U2
AD @C+ A@ -+B@C A%AA & ' 0 8&@C G !- (
5-C ! +GCG U A>@G.B A. + AG ? A JCG> +@ J@C -A2
+ CC@ C-? ?G +B->.B+ OMSL 8) $1! !* 0
8@D L(2 $,. E@,-A. A. +- - A. @C @ $%%/
' $ 0 8;MQQ(O;P) 7 B@A -,-A. C@ @,,
,@ + +B->.B+ -A2 B@ AD B C@ B@ A D- A2 ? U A. .--D
+B + - +B@ ! +GC &-@+2 ') - ^@+ a $>JA
8 6 (& 0 6 '' "K:>A@2 " @ B +B E@@A - +@A @A. .@D
A U AD - , C+ A. C - + C E>C,@ I>@ @C @ +B @CY
+ A . E-+B A +- A AD ->A+CG A>J 9 B 0
$ 0 E>,-> AD +GA 7 C +@C) A>0% =
- 0 & 0 MQ= "-C @) +B@ $-? A ,GC AD + C
J-@+ L LA $! S S & ' ' ;ML ! + C A- @, 2
J-@+ E-,D AD C@@ A /A - & ' 2 ,,
+B -?@DG >,, - E ++@C + C +C-U@ . A + @CY
+ A G->A. , DG KMS 9 7 & ' , &!0 SS
O=N B@ + A , +@C +>C@ - +B@ +B C+@@A+B @A+>CG2 @SY
+C@?@,G C B A -? AD + C @C @2

/ DD +@D +- + C@2 + C , 1 0

A%A> 0 " '&! ;;L AD >C@,G B@2
+B->.B B@ &C- @C @C@ EC A B - C@,, G@+ D@ @?@
+- E@ C@2 !B CJ,G ! + C U B@ A%J 8 . & >
! < 7 BG - ! +GC U2 !B@JB@CD E@, @ @ 1-> D D
A-+ ,@ CA +B@ @ 5, B@ A +B@ 7 --D A>AO 8 6 0
!$'" &'' 1 ! 8@AD(2 # A ?@ B@A />A @ C@ +GC U2
+ U@ + -C & A@.GC U);QP= : $ - &' "'
8;QMM(;NM B C@ +GC U +B 3 -CA A.2 OQML :^ 8
C& "') 0 ;L< B@ !J C + - ! C ? E@ A. -A @
U@A@D2 + ->,D - ->C @ JC- @@D C-? - -A ,!+C-U@
- $,,@CG2 +- +B@ $@ + , - C D >,-> + -A 2 -C +B@
A+@C+ A?@A+ - , @,G AD +GC &@-J,@

O 10

i ; C +@C - + C@ + C + 0 $ 0
AJ > 3 ' 8$-,, (=NQ :V@C@ @C@ ?-C@
J-@+@ E A + C, @ ^-C .) ' $) - *!) *&
D)$- $. H0 A I O B ' 0 C& S 2 8 CE (
=; B@ C A>@ + >@ @C@ ,,@D ! +GC@ 2 AD +B@? @,>@
! +GC)>@ A/O . ! ,0 $'' ;MK 7 B B .C@@@+B
J+,G +B +B@ G A. - +B@ ! +GC U@ !!! ,), - , !
* ' - % $ $ $ - $0 OMNL $ # V ' 0 P
% b8 (;ON " J@CE-,>!* B- -C B E-,DA@ @ AD
> G*?J>D@A G2 +B@ -A@,G !>E @ + A E + ?@2 -C ,,
! +GC U \ %-??@D, A +- -CU@ J-A

/ * 0 ! + C C + A. 2 $ 0

A%++ 9! 9 ,$,& & '' =;98#+ < -.@+B@C +B
>ADC @! +GC U@ * ' ! +GC) ,& , '' $ $W
- 3 + +@C O, U @, 1 0 ;<= A ?-> , E@,, A. -C
#>D A A>@ + >@ 2 -C " -C + A ! +GC >@ OKOP 4 ! +
5 @+ @ % A+ EC . @A , 2 -A + A. - A@ D-+@ 2 !? C+
! G A.) ! + C 2 $@+-C+ 2 P,0

8 + C U ,(2 $0 5-C? M +>C ,,2
M Q +GC 6 2 M K 8<(,2 8K +GC ,(2 K
+ C ,2 ^ , +@ $,3) 8 @@ JC@ (i " . V
# -C J@C+ A A. +- + C@ - +B@ A +>C@ - -C
-A+ A A. + C@ + C

A/AO . 0 <$ ' , ;L< +B- C
I>@A+GD +B ,,@ B@ ?-> J-@++@ +>C ,, OP)
9 A !J@A @C $!0 @A C.+ L 5-C @G+B@C +B@G
^+B@ @ S * .,-.>@ a E@ &, A+ @2 -C $@ C@ + @2 -C
3 -C ,2 B B -C +B@ ?- + J C+ E@ ? S@D +B -?@ ! +GC Y
, E ++@CA@ @ OPK; : .. $ $ ' 0 & 0 OMO E2
A +@ D@ - $B@+-C ,, , ? + -A2 -A ,>D A. +B
! +GC ,, U- @ B@ D-+B D @C+ X@ BG? OMSQ =
'0; ;NK ++@,, 2 B@A @ @C@ +B@ -,D +GC ,, %-?@D @ 2
B B @C@ >,, - E >D@CG2 AD @C@ ,,@D ++@,, A@ ;M==
= . &*0 8 CE (LK -C +B@ ! +GC ,, B CJA@ @2
-C A U@D J, AA@ - > , > 2 -C % +>,,> 2 -C 5, > 2 EG AG
-CD@C JC-B E +@D A>J " ,!0 8@D O(2 ! +GC ,
C A+ 2 AD ?@D , O)P ! B $ ' . > 0 %0
A =OQ ! + C , -A. @C@ >A. . A + :-B AA $-D@
SKK- = - - S 6 2 PLM + B -?@ -
+B@ EC .B+@ + AD E ++@C@ + + C ,J .@ A +B@ , +@C +>C@
- ->C + ?@

/ / J- @D +- -C . @A +- + C@ -AD - AD>,. A.
A + C@ B C +@C X@D EG + C@ C +

A/O+ < && !$ 8;MNN(P; E@, ->+ CD,G
+B +--D > B A +GC , +@ C?@ D D A>@,.B . A +
+B@ B-A@ + @ - 5C A @ - $/0% ($%% & '' $! ''
7 U 8 C- C+(;KL B@ +GC ,,@ + -A >+@C SM-S
O :- - C& $ 2 B CJ@ +B-CA @ +--+B'D +GC Y
,, C ,`^ CC " -C @a H H V,&' R0 ,&' 4 ,H 0+K
%@C+ A,G B@ +B + B +B ! +GC 6 A@2 B@ ? U@+B -+B@C
C D - B +2 - B@ B D A@@D E@ C D - -+B@C ?@?-CG
;M)Q 3 4 ! + B@ @ - ! +GC , & JJG2 % ,,@D
2 B- -CC @+B ,,+B- @ ! +GC + B@ UA- @ 2 AD E CU@
+ +B@ C@ +2 A%OJ B 6$ > $ C $"' 2 #
, 3 C C A.@C2 G->'C@ - +C A.@,G '+@C ^ a2 E@
"@>@ G->, >.B + > ,, E@B AD ->C E U 2 $ OQSP O>$ +
2 '' - 8;QMM(P;M !-?@+ ?@ +GC , +@?J@C EC-U@
->+ +-- ?> B A>$>) = 7 = 7 B (& $ "'
, JC 8;Q<N(MQ / D A >, ? ,@ AD + C , B J@C
A@ @C + , A ->C @?E, @ 2 B@A AG E-DG JJ@ C +B +
A-+ DC@ @D @S +,G A +B@ B -A A>A> 8 6 0 &
' 0 $ "' 7 U ;QP; M; B@ +GC , J C+ - 3 AU AD
,, A@@D E@, @ @2 +B + + A-+ ?J b E,@ +- E@ @CG A@
^ A DC@ a AD @CG ,+BG ;K;= $ C & 1 &C@
K A B B>?-C-> AD +GC , D@ , ? + -A A AO
)5 0 , 2 - @D> +@ +B@? B ? @, 2 A @C@D ?G
? -+B@C2 +B - C+ - + C , .C +G SK.M
' ($ "' 7 U 2 8O-BA(Q "@ ^% C,G,@a
+--U D@ J C A. -C + C , @ - , +@C +>C@ + +B
?-?@A+ OKQ < . ! - 0 SS,2 !B@ A-+
-,D,G ,@ @C AD AD C@ +,G + C ,2 E>+ D-C E,G ?J,@
AD >,, - @@, A.

2 8 + U\6(2 $ 0 ^ .$0
a 3 / a A + C , ? AA@C EG D@C @ @AY
>C@2 C D >,@ -C C ?

OP<= 8)$ > 5$- 0 8;M;M(;N< 5-C B B
> @2 ,>>@A ,, D D ! + C ,,G A J B ?2 G A.^@+ a2 OM<Q
C %0 & 0 C$ 0 E2 #A@ - +B@ A @A+
B -E @C 'D +C>,G2 E>+ ! +GC ,,G @A->.B2 +B + 3 AU AD
+B@ 3@ >C@ - @ @CG+B A. O>0& =) .66 " 0

E &!* &S 2 3-A+-A ? ,@D + C ,,G + B + ? ,G B D
C ++@A OKK= %->$ "#& < E@) -CG -S B>A+@C
- +B@ &! 0 +B->.B -?@ B + + C ,,G J A+@D2
C C@JC@ @A+ + @

0 1 !B !3!!:) . 56

$0 i !! a B@ X 1:! E 6 !)4 1 ! !21:

$5% 5 5>+ $ & 5 8;MMO(LL= !-?@ &-@+ 2
D@E CC'D JC- A@ 2 A+-A@ 2 AD ! +GC ,A@ 2 8+B +
+B@G ? G A@ +B@C E> @ -D2 +B@? @, @ 2 A-C +B@ C A@ .BY
E->C 2(B @ +B@ C +-A.>@ >+ #>+ A @ @ + $%>J 9 .
',0 S ;OP 7 + +B@ ?-+B@C - @+ -> A@ 2 -A @ + 2
*@ + 2 C ,,@CG2 +GC ,A@ OMKL : +C $ - 0 &''
&!!" C %0 J 8;QN<(K - C@J,G A- +- +B@ -E*@ + -A -
+GC ,A@ 2 + B @ E@@A , G ,,- @D +B JC ,@D.@
O \ ) ?!$,. &0 $ 0 4 4 P<; ^+ @a B D ?@DD>? -
+ C ,A@

9 / $ 1 0 $ 3 0 M 2 $ K $
#5 E '' @@ AD * . ! + C ,
Q ! "*' & % C&!" C.+ 8;KQ=(;Q -,D
&-@+@ ! ? @A A G>@C &-@ G@ -A -GA@D C@JC@>@D +B@
GAA@ AD G,A@ - +B@ J@J,@ + +B + +G?@ ,G>GA.@

) / -E -C? -

+ 9 $ 1 0 - 0 ^ &" " V
AD>,.@A @ + C@ + C , +@?J@C -C >++@C A @
" (> 0 - $DC 2 B >@ A-+B A. +- J@AD
-A G-> E>+ J -A B>ADC@D A -C+>A +@ C@ @, +-
A)+ ,, ! + C ?@ ;MNO $ & - 0 L E2 O ++@C
! + C ?@ OM;N . ( ) 0 & % <& SS OL=
B@ C +-A.>@ C J@ ! +GC ?@ ? G ?-C@ @ ,G D +>CE@ +B@
+C>+B - +B -C,D +B@A >E>@C+ + OMKL 3 ,,! $.
A+C-D =Q " @ B D I> U 7 +2 E>+ +-- ?> B A , A'D +-
! +GC ? OQ;M 3 3 ' 0? (- $DC L<
7 B@C@ -+B@C B @ +C-D E@ -C@2 +B C -> ! C ? AD
!)C ?

) .$ K $ $ 1*

A +B@ C + I>-+ JJ J C+,G C@JC@ @A+ A. 8 +B ? JJC@
E@AD@D @A @(C C J+ ?* J, G@C - +GC DC ? a

1 $ ') / &%+ 1
A $

A/ O B ' 0 C& , S 8 CE (=M B@G ? D@
@ ! +GC@ -C ! ,> A@ B->,D JJ@ C@ AD C@ +@
+B- @ @C @ - C@E>U@2 B@C@>J-A +B@ &-@+ A>@A+->C -
+B@ D@> @ 7@C@ ,,@D ! +GC +@ 2 OP< 8*$J 7 < &$% 0
8;M;Q(LM 1->A. ,>>@A ,,2 +B + EG+ + . ! +GC + OP<Q
' 3 > - 0 $ 7 U 8 C-) (*,, ML 7 @ B@ C@
B- @ G-> +EC@ +A@D +- J- ,@ ->C + CC A. ! + C + , 2
B >@ +BG C + A. > B @ D@ OM=O 8 $ 0
- 10 /@D * + B .B + AV@ -C +B@) GC + +- J@A -?
+B A. B B ? G DB @C+ +B@? C-? +B@ C ?J+@+ @ 1
* (&'' & Q O,@ + ! +GC + B- +-> B'D +B@ 3@ A -
+C>@2 B- D2 @B D B B +@ AD J +G +- OQMO N /!3
$ 0 0 S@ S2 "@C @CG JJ@ C A @ > , ,@A+ +- ,@A @
+B@ @ @C@ + + C + - +B@ @S OQ<M B C $, .
LP= + -C +B@ +GC + +- @SJ- @ +B@ C D >,->
$ J>) . 0 8OKMQ(OM;2 ? A-+ @++ A. ?G @,
>J +B@ + C + - O B-J OKQP ' .1 &,0 C (S
;<= + C +) -C A + A @2) B .@A@C ,,G -?@ D@ - ?Y
JC- A. ? AU AD EG B6 + C@

A) = A./ 0 ' _ 2 / _
2 A / & / K / $) C $/
P $ $ 0$ +"' $ $ * 3 R
:$ ' 0 G 1 D
1 $ - 1 2 ! $
ND 2 / & ') * & ' 0

;MN; 0 :- !# C& $ 7 B + B@A +B@ ? A
+B + C + D D +GC @2 / >C + J>6 +B@ U A ->@C +B@ @ C@ -
@ B ,, -CE@ C@ OMON > V52 V > ;#
B@G B@ +B@ A -C+B A@ @ - +B@ C +>C@ A ! +GC X A.
J-A +B@ @ U@C OQNL - 0 & 0 &2 A ,0
)Q2 AD G-> A- ?-C@ + ,U A. +- ?@2 + ,, G-> -?@ +-
& .@ OP2 B@C@ G-> C@ J,@ @D +- ! +GCB@ +?-A ?G +,@
AD &C@ @)OQOK B 7 & $- 0 L= !B ,, >+B-C
? ,@ -A > B ,,> +C -> D G 2 AD + C @ +B A-+B A.]
E>+ +B@ C JC @ O;QL= !E&V 5$ - 0 +A S %-A , 8;Q=N(
M<O + E D 5 >,+ A " +-CG +- J A@.GC @2 +-
! +GC @ +B->+ $@ -A OQ=P & > ' ($ -$''
SS 8OK=;(S ! + C X A. -A +B@ E, ADA@ AD -,,G -
? AU AD S! + 6)$'' , SS 2 " @ E@ A. J D +-
+ C @ -C , ++@C) ;KQ< - \ 0 C$)! O;Q + @ G
+- + C @ AD ? C@JC@ @A+

;$ $' 0 G 1 D
!5 / (W D
! $

;MLN :2 . 87 +@C & (V ,. "' ' "' 7 U 2 . LM2
,,) +GC X@2 % >+@C X@2 AD !+ .? + X@ ,, +B@ B-,@ U@A
A@,, - >CC@ +B + D C@ @+@ a OKQM < . (SQ . $ &'$1!
))) SPL B- @ 7 + 2 +B + ! +*CC X@ B>? A@A +>C@ OQOP
3 0 '0? 0 &C@ = & ?JB,@+ JC@+@AD +-
! +GC X@ +B@ 5C AUA@ - -C @ ^@+ a OQOQ 1 0 $ 0
)1B0 A ! +' 7 U ;QPP . OOM + B CD +- + C X@
@,, ? A - D + A.> B@D @ 2 +- JC @ @,, ? A
- D + A.> B@D C+>@ ;QK : 9 C&* C
M; %B > @C + U@ @ @CG -JJ-C+>A +G - +GC X A. +B@ -,, @
- B .@ ;KNL : = %0 C ! 7 U OK=M
;;; OP< G-> B->,D E@, @ @+) + + C E@D +- : -E A Y
, C +@C -C +B@ U@ - + C A. 5C@A B : -E A ,
+ -A OKQN . & $ + 2 B@ J C +@ B D
E@@A -A +B@ J- A+ - + C A. B !B- +@ 2 E>+2 -E @C A. +B@
I> C+@C - +B@ AD2 +B C J D +G @A+ A -C JC @ OKQL
< .0 C& ;NK , @> @S@C @D B J-@+ ,
+ ,@A+ A + C X A. &B+ >

G ! $)> $ $.

;Q<K +C $ ' !!& >) & 8;KNN(Q B
D@+@ + E,@ > +-?2 B B ->+C .@ A +>C@2 AD + C X@
B>? A +G2 ?-C@ C@I>@A+ ? + ,G +B A A +B ->A+CG

= A 000$ $0

OQ<L / ' $ +) 0 (OQM ! + C + 2 +B@G @ J@
+B@ ->C.@ - +B@ , 2 B @ C@ -A +- DC@ D +B@ A@ -
+B@ + C @D

A) A .$ KO$ 3 a * C.
1 A $

A %> 77 & ' %),) O=< O G +B@ %) ' -C JB-@A S2 B Y
+ C X@C -C D @C A+@AD@D %-A > > ;ZZ_ * , $ & R : A
OO B@ JC .B+,G + C @C - -CD ,D-A AD +B@ -C @

! '+ C X A . 2 **!0 $0 ^ U 'N" 7AV
G A $
;Q;M &) ' L< 3 G ! +) X,A. 3 > @ ;QQ
3 0 C ' 0 OLP SJC@ -A 'EG B B +B@G
A+@AD +- -A @G+- +B@ C@ D@C@ +B@C A +C> + A.2 +GC X A.2
D? C A.2 -C -+B@C B A+ AD C@ ? CU ;KN=
&' $ &' @+ OL 0>+ @ C@ .@++ A. A+-
.C @ AD +GC X A. @ A ;KM; 9 7 , & (
SS OQK B@ + C+C A. AD C@ -C ? A. J C + - +B@ .@
JJ@ C@D A-+ >A C@ I >@A+,G -A +B@ !+ .@
! + C> 2 + C G @@ ! + >
) ?9@ $ G $ 2 0
I $ $") (. A. - E , -C @ >C +G2
J - + -A +$!) +- . @ E ,2 @A->.B
i $!) +- . @ % #5 $ 1" 1" H 1"
;L+B A -D@ C a 8!@@ I>-+ ;MPM (
;MPM . B < & & 0% $ $ &'("5 H' ` A- !>C@+G
-C 0 , > @A+ -C J@C -C ? A @ - %- @A A+ 2 -C -C J G
?@A+ - ? -A@) ;QOM . 66 C$ &' =OP B@C@
A-+B@C S @J+ -A + ,@D A S @J+ -A - A-+ . A.)
D + -A -C !@ >C +G ;QQ= ' . . 1 L & - 0 0 $ 2 AC
KK -+ >A, U@ +B@ ! , + -A C@ I > C@D C- ? A +-C AD
) EG +B@ $ - ? A ,
! + D + -> "1" IJ$ ^ @A->.B i
$ $") (G A. 8 @@ 9 2" +@C
! G A. @A-) B
;) Q 9) & ! ;= B@G D@) @ A-+ + + -A2
E>+ + D + -A2 B@C@ - +B@? @, @ ++ > + E@ *>D.@
! E \ %+ #, 8 @+ @ U*DA(2 5-C ? = K
+ 2 = M +G = 6 F2 = V) -A2 = P
@8-(->A2 -8>(A2 P -) -8>(A2 -A2
-A@2 8 -->A(2 P Q) -+ ->A2M -GD+ 2
+G -A P + + -A2 ^ 5 $ %$, &'
8 O+B $ %) '(;L+B $ %$ & "' % , &'+
b&C $ %$, &'' !J $ %$, &'(&. $ %$, "
+ $ %$0 &' " & %$0 &' "' D $ %,) - "
A - + -A $ %,) + - 6 V B@ + -A
- , + G A. +B@ + +@ -C + - E@ A. + @D
7 +B C@ @C@A @ +- -E, . + -A
B@ J G ? @A+ A >, - D@E+2 -A +B@ >,
?@A+ - A -E, . + -A -C , ? _ +B@ +-A A.
8C C@,G 16 A A*>CG2 - @A @) -C >,+ EG C@J C Y
+ -A2 - ?J@A + -A2 -C +B@ @AD>*C ? @ - J>A)
?@A+ , - I> C)A2 +B@ J@ >A CG -C -+B@C
. + -C J@A ,+G2 -C +B@ +2 EG B B D@E+ -C
-E, . + -A D B C.@D -C A - @A @ +-A@D -C
&BC @ 2 1 (K) 8-C 6 1" "' L
6 1"',16 - B @ ,G A
^ B@ @A @ ->AD @ C, @C A ,@. , 5 @. LNM &!!
&%C$!0 O;O ;F> ,A@ J>CC- @A+ A>,+@? b D@ @ *C@
> >A+X ?@AD@ A@ D>@) +-A a
%4=NN 0 &"PN;Q A.@C ?@ >,@>G,,G->C A. CD
D@ GC) 7 B@A G@ ->@+ ! + #>A +- E@ @A+ C- ?G), @
@>GA2 !GA G@ C@ > @ - :V ,O&A+P)7 - !%&%
<& 'OO; O@E-,D@ B- +B@ +@ C@ C- ?BG @G@A ,- " +G
+G -A B , -C BG +C@ J @ ;=LO PN +C
8$-,, (P 3G > @ -C B ,@ >..@ AD D- +-+B@
+ -A B@ @D- @ @ D@2 7 B B ,@ +B +JC- @
+B@ AD +BG > @ ->C D- + + -A -C ?@H ;=QQ
3 8% S+-A(' ; A + -A \ C) ?
J@A @- ?GA@ AG I>G+@@ ;=KN & " Y1.0=L; B +
+B@ @ D %B 6E@C,@GA B>,D A C@ -?J@A @ \ + -A
- +B@ C @ DD -E G >A @ ECGA. ^ + a ;PL; E 1 0
8!>C+@@ ('O=2S, A + -A - D +C@ +B + +-U@
- BGC ;PML & - ! * $, OKQE2 [B@>
? - + G ,GA*. +- ? U@ + + -A A+- , +B@ ?2 +B +
B@ B DD@ D--A@ ? >C@ AD C-A. A+- ;MNO $ - 0
ON< EG D C@ + -C EG %-, +@C +, B AD B@G AD@
+-> B3 2 @ ,->C 9 A.D-?@ . >@V AD , +B @
#>C - G-> A + + -A ;MNO " # " 0
7 U ;KPM =L ->,D E@ . , D +#? U@G-> + + -A2
B @ C-A.@D G-> ;MO; + , 1$ &0 &
8% ?D@A(KM 5GA@2 ;N2NNN ? CU J>E, I>@ + -B -
B >,+@ EG >E? -A AD UA- ,@D.@?@A+ +B@C@-
X=L%/L .) 8) 0 V .87 -DC- !- (2 LNL
3C & +C U %C@ .B -CD@ A@D +- ? U@ + + -A A
+B@ U CU - D AE>C. B + - @ @C , ! EE-+B D G@ 2 2 -
@,@EC + A. ? CC .@ +B->+ JC# , ? + ->A - E AA@
$%/O = . ML 7 B- E >E*@ + A. > + - B
+>A B ?@A+ A +B@ @ +B A. 2 EC A. JD U A+- C@, . -A + A
- +@CC-C AD + + -A2 E@,-A. A. A- -A,G+- % ,
C ?@ ;MMN = 3 . & 0 7 U 8 C- C+(2 OP B@
S @ 5-C A %-??-D+G@ +- E@ -A+ A>@D J C+
>A+ ,, + + -A - J>E, U D@E+ AD A. .@?@A+ @ >C@D
>J-A +B@ I S) ;MMQ A 5 %0 0
JJ PO ! C $-E@C+ AD@E+@D +- G->C J@++ -A@C A
LON EG E-AD2E>+ >++@C,G C@ > @+B +-. @ G->C J@++ -A@C
+ -A ;MMQ = C 0 ? 6A,@ -C B ?
!-? -+B@C E,@2 AD ,, A.2 J G B@C. D + -A2
D@ +B -C D@ +B ;MKL ? 0 ,0 =M "@ B ? @, @ J@D
!B J C U2 AD C@ @ @D ! + -A -C B - @ ->+-
+B@ J>E, U C@ >CG ;QOP - C&"0 &) &!
8;K=N(L;L B@ % J+ A JC- ? @D + - B @ +B@ @,-
J>A B@D2 AD + + -A +- E@ ? D@ ;KSK B E@@A
8@D O(O;P D@ @ - A A?)+- +B@ @ B E@@A
B@,D A-+ +- E@ A + + -A - C @C ;K=P A
!0 &C 6 Q<M B@ J C+G A*>C@D ? G .C@@
+ @J+ @C) A >? -C -+B@C +B A. -?J@J
+ -A] A CC A.@ ?@A+ [AH [H, HH $,,& $ $% >
%$, &'0);K=K $'0 $ H50 "@ B D .@
J,@ >C@ A ? U A. +B@ J- -C C@+ B@ ^B C@D +-C , +2
AD A B + A. C- ? ->C+ +- ->C+ AD C- ? - @ +- ?@C ? +- +@C ?
+B@)@C -D - + -A ;KQP = 0 U MO
/ +C@] +) JC ? CG -E*@ + +- %-?J@, +B@ J@C -A
. A + B- ? + JC-J@C,G@?J,-G@D +- ? U@ + + -A
!$ A J C+ + , C X@D > @ A + - - ?J@A
+ -A -C ?@AD A ? ->A+ J D A - ?J@A +DJ
J@A ,+G - $ 0
%4==N !* $1 &% $! OK; "@ ? D@ B>C+- B @ DA@
+ -A -C B>C B>C+@ ;P<K $, 0 0" ,$!0
$ 2 8 CE(;NQ B@ @ -AD@ D@.C@@ +- J CD-A
# ,,

->C @A@? @)+B->.B +B@G J@C + AD +B->+ + -A
AD >E? -A ;MNL \ < ! ,
8!B U !- (QP C & + - E E@ C@ D@ D2 AD U ,,D EG
-CA2 O>+ +B + C >@ +B + B ,, A- E@ E-CA !B ,, ? U@
+ + -A - , C-A.2 S) O # & 0
2 B AU@ J-A -?@ + + -A2 -C +@C ?@ +- @C B ?
L%AA - E@+ , -& & (2 AA-+ C@I>@ @
>,,@C + + -A B@A G->B @ C@@,G .C A+@D ;M=<
= O; 7 @ ? @ @,, J@C @ @ +- B + @ @
+ + -A AD J>C. + -A B@ E D A>CD B @ C@+ -AY
@A @ ;QMM & - - 0 -M B@ ?@C@ ?@Y
B A , -J@C + -A - C+A.2 -C B B + D C@ +@D +B@
C E@ +- C@ @ @ + + -A
2 &' =)*+ $ %$, &' M +-J, @ -A
+B@ J@C -CD - ->C+ + +@?@A+ +B + +B@ -J G ?@A+
-CD@C@D EG + B E@@A D>,G ? D@ !- "' &%
$ %$, &'0
;QKO ; Q 1 C & 0 V % ? LQK A+CG - ! + Y
+ -A + + -A ? D@ - *>D. ?@A+2 CC A+ -
++-CA@G B->,D E@ . @A +-+B@ ++-CA@G EG+B@ J, A+
+- @A+@C >J + + -A -C@ -CD ;KOK) & -
) 8@D O(OQM 7 B@C@ 2 +B@ D : -BA -U@ 2B @
C@ @ @D + -A -C +B@ ! ?@ D ? .@ AD - + a
B@ @ C@ +B@C@ -C@+- D@ C@ AD >+B-C X@G-> +- UA- Y
,@D.@ AD @A+@C + + -A >J-A +B@ C@ -CD - +B@ D
*>D.?@A+
/ X,,!0 8 B@ @ C, @ + C@ -CD@D > @ A A. (
B@ J@C -C? A @ 1"' J@A +@A+ - +B@ J@A , AD
?@C +-C -> +@A*DA) EG B -A@ -C J GY
?@A+ - +B@ +@?J-C ,J>A B?@A+ D>@ +- B A
+B@ , + - +B@ -A + +>@A+ J C+ - +B@ C ?@A+ -
J@A A @ % 8&BC @ A (
$;LNN) & 0 OKMON 5-C *+? E@A J@A A @C .B+ O-+
? A B ?J A +- E@+@ B J6.B+ J + -A ,D2
AD :A J C+ +@ +BC D D2,A $,?> 2 +GA.2 A -C >A
1 0 O);O; @A@C ,A> B + ,D J@ J- A+@ & + C -C+-
E ,D , ,U A >, J +@ E>A 5-C+- D- + D>A $;L=N
" 3 9" C $! S ;;K J , G AD ,, A-.B+
? U@ + + ->A+, . -D ;L=N "1 LO @,@ C@C@ J@+
B@>@D +- . -D@ E@ X-C) @ A@ .C@D@ B C-> V@ C +@ A@ C@C@
E@ B-AD%B E@ + ->A H%!& %;=NN D@DE-+@a2 ;LQQ
7 . C 0 O S N= ! + W ->A + A@>@C@ B B
GE@ +- A->) + ECG 3 @+B D@D,G GAA@ ,S) B C$ 0
@ &<PP),[==N%$, & !55 50 ;K< \ + G G->A 2 +-
>, G,,@ ;C J@A >A @2 @A -GA@D + E@ JC@@ +2 \ + -J G ;V
D@++G + - I GU@ \ D@D@ \ + - B- ,G AGBC B@2 \ + -C@ 2E +
E-A B , G .@++2 + - ? UGA ?@ADG - CJ "* &$ " P
E@ B C?G 2 E) + J->B + D-A2 PA- ? -C@ +->CA@)@A +- E
GAA@ =) ;PLN " 0) $ "< BC@ J C+@ -
J@A >A @2 +B +G - +-ACG G-A2 -A @ G-A2 AD +G -A
;PN< 8 C$ 0 C! $ (S"2 8&@C G !- (ON= 7 +B D ?@
%-A+C -C+2 B* B . A +- E@ G,@ 3G GAA@ .C@ + +B
B-,@ C@J@? >A @2 AD ! + -A +B->+ AG G*@ ;PML
& - ! A % % $;; OKM :->D D D - ? @
@C+ A UGAD@ -C + + -A^ @,, E -A@) B@A
B@ D D + +B@ C ? -A@G A+- +B@?. ;PQ<
$! > - 0 - 0 ;M 0 B@ & J, +@ B-,D@2+B + @ ?>+
.@+ & C D @ EG+->C D@ C+@ 2 AD B + A+@+B @ ?> +
>JJ, @ EG->C + + -A 2 $ SM--
e M ?-A. ++B@ -CU - + + -A2 +B@ ? - + C@ J@ +@D
B @ E@@A , G@ +B@ @ +BC@@2 &C G@C 2 5 + 2 A . ?@
D@@D ;QOP +C) * > (0 0 2 O;Q
"@^3 @, A%+B-Ad D-@ A-+ E@,@ @ +B @ +%-A @ -A AD ! +
+ -A C@ A@%@) CG SK) $%.0 0 8@D L(2 C $,
8=(B@ JC + @A+ ,D DJ "A@ - +B@ @?C +G%B>C B +A @
+-+B@ E@ , @ +B + + -A EGJ@A +@A+ , -+U A@ @ CG
A + @, 2 AD C@I>C@D J A- +B@ C ?@A+- J@A A @
&!0 B@ +-A@?@A+ ? D@ EG %BC + -C
A2 -CD A. +- +B@ @ 7 +B + " > @C A. AD
?@C + C@ @J+@D EG +B@ / A@ *>+ @ A
@I> ,@A+ -C +B@ J@A ,+G D>@ -C +B@ A C +B@
-C,D WN &, , &% " & 0 # D
- %BC +B ? @, +B@ + ? EG B- @ C @
+B@ + + -A ? D@
;) SLKN 7 ,& 0 KX AD -2 E %C + -D
AD ? A + ->A -C E GAA@E + B@ ? D@ J> C@,
E@++@C J A-E@C E + ? A -C A.@, ? G + ? U@ ;P)
C& $ &%& *2 %BC + ,-A@ +B@ -?A !> @A+
+G -A -C ,, ->C@ GAA@ A+- -D +B@ +B@C ;P=<
-0C!&) 8 CE>(LL OG EG ? @, @ AD EG
A-A@ -+B@) %BCG +@? D@ J>C. + -A AD + " ->, -C+B@
B-,@ -C,D@ ;PML & - ! * $, OQME2 5-C
B@ ,-A@ DGD +B +B@ C @ -B E-DG AD E,-D ? U@
+ + -A A+- +B@ :> + @ - . -D -C ->C AA@ ;MLN
N 2 2 - 0 ;PK 7 B B --J@C +@ AD -AI>CC@
+B +B@ D>- + -A AD + + -A - @ > ;M=L =
& , 7 U ;KP; QK B@ JC ?@ @AD - +B@
- J@ A-+ - ?> B+- @S +- >C -E@D@A @2 + - C@ @
.C @ AD +B- + + -A- ->C D -E@D@A @2 ;MPQ $ 0
& %0 L ;= B@C@ J@J + +CG + + -A2 B B
%BC + :@ > 2 -C ->C A AD +B@ A- +B@ @ -C,D
S J ! @5 E ! + / ->C @ -A @CA A. +B@ / - +C A@
- %BC + ! + + -A ;Q=; 9 - * & 0 ,
e L AD -?@ C @C -C +B@ C A +G AD ! + -A -
%BC +B @SJ- @D +B@? @, @ AD +B@ C@D D- +C A@ EG
+B@ C @@E,@ JD --, B ? AA@C -B AD, A. + S)
%C - - 0 0 0 A+C-D !0 + + -A +B@ ?@D Y
+-C C@AD@C *0) C @ + -E@D @A @+- +B@, 2 AD +B@ J@A +@A@
AA@C B- C@,@ -A B . --D- @ +> + @D -C) @J+@D
AD +C@ +@D C .B+@->
! B@ -JJ-C+>A +G - + G A. -A@ B-A->C EG
D>@, +EW @J+ A @ - B ,,@A. @ +- D>@,
C-? +B@ J@C -A B-D@@? B ? @, A >,+@D -C AY
*>C@D %B @ ,G A JBC @ 2 & (- $ $ Q
%$, &'0
L% A (6 B) A %-,, A C $ 8;QQ<(=;N
!@@U@ A-+ EG CG @,-> B ,@! +- DG @C+@ +B >C @ -
Y + + -A UM+ "-10 ;M2 . >@B ? + Y
+ -A ->,D B@ B D E A -A@ - ?G $ AU@ ;MLN (
6& & V 0%" & - 0 ;<N B@ A., B J+,@ ? A2
+B ? +>C@ D@, E@C + -A2 D J>+@B B- C@ B B-A->C
A. .@D2 EG +B@ A*>CG - @C@D2 AD *>D -> ,G D@+@C
? A@+B A ? AA@C - + + -A2 -CD A. +- +B@ I> , +G
- +B@ - @A @ 4QN< $! - OP J P + ,,@D

< '$ $ %$, &'" +- >C.@ G->C # @A @ . A +
B ? +B G->C! -CD ;Q;) - -($ $! 8;K=N(
;KN "@ C@ DG +-. @ B ? + + -A 4QQ; I
) - * 0 O= SD 8;K;P(LM B@ +B AU B ? @, A*>C@D2
B@ UA- B@C@ +- ?@ -C + + -A SK- %#
0 * I 7B@A A - @C -C -+B@C J@C -A . -@ ->+
+- .B+ +B -A@ B-? B@ B - @AD@D2 -CEG B-? B@ B
E@@A - @AD@D2 B@ D +-. @ -C+ U@ + + -A] "@A @
+-D@? AD + + -A + A+ ? ->A+ +- B ,,@A.@2 \ ] -
, +- ->A+ $ J&=) 8 ! $! :: SS
;PO + JC- @ -2 AD G-> . @ ?@ G->C CD2
@ +B + G-> B , B-C+, G B @ +B@ + + -A G-> C@ I > C@
SK=L = . . A &, &, %0 :::=K< B@A + + -A + + -A
A . A. +- +B@ - @AD@C B A @ - E@ - ? A. +B@C ?>CY
D@C@C -C ?>CD@C@D
E & & !% $ %$, &'' +- E@ @A.@D
&' A - @AD@C 1(
O% &) +C $ -1&) % 0 $) ;ML 7 B-
D C D A-+ - CC@ + AG - +B@? A. G2 +B@ + - C@? A A.
E@ A. + , E@C+G2 AD A -AD + -A + + . @ +B@? @, @ +
+ -A -A +B@ ..C@ ->C
7 +B C@ @C@A @ +- D@ C@ -C @@, A.
1 B@ + -A - .C + G A. 8 A JJ@+ +@ -C D@ C@(
+- +B@ >,,2 -C - -A@A+ A. 8 J@C -A(EG +B@ -?Y
J,@+@ >, ,?@A+ - D@ C@ -C >JJ,G - A+
+B@ + - B A. E@@A .C + @D +- +B@ >,, -C -
B A. -A@ D@ C@ > ,,@D> &BC @ 2 & $ Q
%$, &'&%:' & $ %$, &'0
B@ C + I>-+ ?@C@ ,+@C ? C- ?+B@ >,. +@2 AD
+B@ +C A , +-C JC-E+ B@D A- D@ A +@ ?@ AA A. B@
-CD #A@ 3 ! DD +B@),- C - @A E,@ A >@C@
OJ A 9 6 0 U ON B@ B B A. B AA@ 3-G @
B DD@ B@CD@2 B@ C@ @G>@D@ +G ->A 8 >, . %
$ $, &' - "@E +T AD 3- @ B@ +D2 AD +
.--D A B @G@ a ;PLK !$;=M B->.B
A +>C@ B +B .G>@A +- ? A A +>C A ,GA +G-A +- BG
A C@!@ G@+2 EG ?++G -A,G E-CA@ +- G>G+G @ AD
JDG+GU@ C>,@2 +B@C -C@ B@? G A-+2 G+B->+ -CD>C -C C@
J@ +@2 +>DG +- +B@ +G -A - +G A-, @ +@
;MNL $ $ 0%& 0 OQP -C +B A B+@@
A+C@ + G-> + B E@D2 . >@ B ? JC-? @ - + -A
$%AA - . = 7 C&* ;; 62 " +@ +
- D@A@? @ AD@ >,, + -A AD@ +B $%&!# @
< 0 5 ** 0 @ + ;= 7B@A @ O,@ @D C. A
@C+ A@D2+B + B@ B->,D E@ 3 -+B@C AD 3 D2
+B@A ,, B@C B-J@ AD ,, B@C D@C C@ C@ C @ > B +Y
+ -A2 ,,@D ,, +B@ -?@C - B@C E@) SMM ."
5 $, $f" e 5-C +B@ +,D + -A - ->C
>C - +G +-A +B@ +C>@ # C DA@ - + -A 4M) (
? $) 8;M<=(<N B@ / @ C@- " JJ A@ A+ EY
->+@ @ >C@ - ! + + -A2 E>+ ->A,G >J-A %-AD + -A
% C 6)) (S,S) 8;QKK(OMP B@ JC- ->AD C@ J@ +
E@ C+- +B@ .C ->& C A @ B- . - @CA A. B@ - ->A+G@ +B
A- ,@ B-A->C+- B ? @, +B A + + -A B >E*@ + +
SKM-) . < !$,0 0 SU ;9Z 3G .> D@ D D E D>+G
@A+ CDG +- G + D + -A SMK- 3 % $ 1G 2 " -
S, OS< B@ D >,+G 7 @++,@D +- +B@ + + -A -
@ @CG-A@2) $ O& (! , 0 0 $. 8@D M(J
B B A. E@@A @ @ +@D +- +B@ -J@C +-C + + -A2 B@
+>CA B +@A+ -A -A @ I A +- +B@ ., E>,E
E ! + @D -C -A+@A+@D + +@ - *> AD A-
> > ,,G2 .C + + -A JC J,@ >C@ - -A@D EG
-?@ +2 @ @A+2 -C !+ +@ - +B A. %-A +
2. &%: , - !,37 @D EG , > @
@SJC@ A. +B@ > @
!$&>> 3 8% 4+-A(Q B@ .C@++@ +C B@ @
+ -A- +B@ B@C+@ $ X Q
$1! T $ = BE,@ @, +G @AD,@ J +C @2 -
J@ @ A- + + -A2 C# A@ B , @ %M(N
$ 8;MON(OQ 7B- D D +C >@,, +- CD B ,, .@2 +B
@CG ,C@ + + -A - B ? @, @ SM) < 7 0
;NL B D A-+ @CG .C@ + + -A +B@ B-,@ 5 ? ,G
;Q;4) 9! = 7 0 $ 0 0 0=3 C2
+B A. + +-> B@ ?@ +B + + -A E>+ B ++->+@ ?G
B@ C+ Q== % (? & +;=Q2 7$ B JJG
A ?G !+ + -A2 AD@A*-G@D ?> B &@ @ AD ! +
A ?G- A OC@ +2 J- E,G +B@ / >U@ - 3 C,E-C->.B
->,D A B 2 $>&O- .) 7 & - 6& S + 2 3C 3 ,,@C
@SJC@ @D .C@ + + -A A +B@ @ D@ , C + -A 1 (S2
:-A@ @SJC@ @D +B@ >+?- + + +B@ ->A+
4QK4 < ,!0 0 S S ;P; ! J-C2 @SJC@ @D B
+ + -A +B + B C EC E@C2 %-A+ A+ > % @) 2 B D E@@A
+ >. B+ D- ?EG D @C +G $I>" # B =
(S, , +B A , A-C EC@ + + + -A2 ,@A+
AD +C-A. ;KL=* " #Q 8 C$ 0 - 0 KK +
A-+ B@ G- ?@A+ A+- +B@ + + -A -A +B@ C. - -D
D@@D 2 J C+ >, C,G2 B@A C -C ->C@ C -A -+B@C ..-C
-A @A @ ?+@ +B@? ;K=K 7 * &
C$!0 SS 28;KQ<(=KN B@ + + -A +B@ +C @,,@C
X C@+B -?@ C- ?+B@ JC)@A @ - +B- @ A +>C ,-E*@ +
AD @A@ B B ,-A@C@ ?A +>A B A.)
% J C+ >, C A + A @ - + + -A A @SY
J@C @A @2 +2 -C C >? + A @ +B + - -A .C + Y
+ -A
4MKQ 3 ,. +C &> $ 0 KK ->,D @ CA@ +,G
B @ B@D +B@ / --C B D E@@A -J@A +B +@ ? .B+B @
.-A@ A E>+ B D A-+ + + -A2 S,) $
($1! S + MK 5C@@D- ?2 A-+ +- E@ & C+@D
+B -C , ! + + -A >AD@C !>A
;QSO * , 0%=d 0 =OL O ,-C A B+ @CG .--D
!@A @2 !> U $@, B- +B@ ! + + -A @ $>$%
) &! < 5 L 1-> - A + ->,D E@
.C@ !! + + -A+- G-> +- E@ J, @D >J-A +B@ BC-A@ EG
C-> AD@ ->C ;QS< -) & 8 ,-E@(;;O2; AY
A-+ @SJC@ B + ! + + -A ?@2+- - ?@ A+-
?G -D "> + B SQQ= N / ! 3 CC 8 KO=(; ">?A
>C - +G . @ B .B@C + + -A B@ + @ @A +B@
@A @ A -CD SK : /) 8 0 &'
8;KQQ(OD + B >AD- >E,) ,G C? B@D A AG + +-AO
+-+B- @ B- @ , A. D A-+ -CD ?-C@ 3> + E,@ - >Y
J+-A ;KKL " 1 ? & - %0 0 QQQ K B@
) @ +B AU -A,G -JC@ @A+ + + -A2 AD ,@ @
>+>C@ + -A >A C@D -C
6 6 $ $ %$, &'HD + + -A2 D + Y
G A. C@ >,+ 1 0

[illegible]

[illegible]

[illegible]

+ @' ,,'D->E+ ' ;KL=':'"'(8 'C$ 0' -0' 'S , '

[illegible]

+B A. 2' ' BGJ-+B@ 2' @+ (' +-' -CD' +B' 8 -AY

D+ -A (' +' , -' $!"' - ' 'J@C -A' -' >, ,'+B@'

C@I> C@?@A+' -

[illegible]

E' ! 1 $T' # ' 'UA- A' I> A++G' -' >, ,'+B@'

-AD + -A ' - 2' +-' E@' A' D? E,@' -,>+ -A' - '8 A'

@I> + -A(

[illegible]

*1 ! E!) 40 1 B ! 6 !0!4. !B [' 5 != %! D' B@'

12 !)' 6'+B@' E ' ' ! ' !)' A1 ! ')

[illegible]

*1 ! 6)) ' 8 @ + .(2' * * !0' $0' 56' ' !'

@ i' <=^' B +' + @ 2' A'+B@' @A @ ' 6'+B@' @CE

[illegible]

"@A @'*1' !) 4:E' ' *1B ! > !&!66)

[illegible]

S' 8 @+ JS : A(' &!0 ^ D'

JK+! I , 6 ' J B C @ + - ' > @C

@A->.B' 0 1768@ A - > . B 2 + - ' > @C(' ' '

+-A@?@A+' EG' >' D@I> +@' D@.C@@' - ' > @C A.

[illegible]

;'*1B !A ' '% ' 56' C' . [' '

$ '$0' AD' -> a' f' $

[illegible]

! + @2' ! , A . 2' '66' " %

! +A @2' ! +- A8@2' '66' '"

! +- A2' 1' 6 /' 6' ' 10

! +- CD G2' '6 /' 6' !

+' 9 /'$0' 1 0 ^ ' ' $!& 3) '8 ' $ & (

[illegible]

8) +C+ J2' @ +C@@J(' 5-C? ' = P' '

[illegible]

&@C A' ?-A C BG' 8 A' +B@' 0- -U' - ' / A @,' A '

D>-A + ,,G' ++C E>+@D' +-' +B@' 0 EG,-A A'@?J C@ (

;LKO' 9 . 6' $'0'" 'L' B A' +C J@ ' @C@A' .@DC D' 4PLL'

[illegible]

N$' $! 0' ' ' ! ' D' '

' ' 2 2' ' $

^ B@' @A @' D-? A@@C A.' J@C -A'" JJ@ C ' A' ?@D + A2'

[illegible]

'$'$%0J'X *B ' $1 !$ ' A'SSS , 'L;M ! +C J ,' - -,a'

[illegible]

( ) 9 ? .$ K$ $' 1' *

, ' 3 ' 3 ' !2' ' /

[illegible]

(*0(L-0' 1 0' 4=7 b' /

/ K$ $' 1'* . ' $

[illegible]

0 1' 1$ '] ' 1$. ' 56' &

' ,**D' '6 / 1: ' 1 1$

[illegible]

?') ?$ ./ $(^ ' $'a'*

[illegible]

) ?' ? ./ $0' ^ ' $'a'*

' ' ' ' D 2 $

[illegible]

) ./ $0' K$ $' H' $L'

/ ' / ' ' ' $

[illegible]

1' 'O$L' ') ./ $ K$ $ '

/ 2 $

[illegible]

2' 8) +C J@' +C J(2' ^ '5 ' $ $* , '

D' ' $! $* $($ $* $ ' ' C' $$ *$' $(=(

*$ D' V

' 'JC- A @' C>,@D' - @C' EG' ' +C J

[illegible]

E' ' $' %0

[illegible]

/' B@' D .A +G' - ' ' +C J' ' A' I>-+ ' $' %0

[illegible]

S0' 'E-DG' - ' +C J ' 1 (

A%OJ' ' & ' 2' $ (' 4@CS@' @A+' , -' A'

[illegible]

! ' B@' J@C -D' - 'C>,@' - ' ' +C J

[illegible]

! +C - J C2' 3 ' ' $

' 8 @ + > ? (' ^ B@' A ?@' - ' 'JC-Y

A @' A'+B@' , AD' - '9 > >2' : J A a' 6 @D'

A' $ -$'2$ (U AD- ' C@ ? -,->C@D' : J A@ @'

J-++@CG

[illegible]

! ++8@2' ! $ ' $ $ '

! ++ A2' ! ++@@ ' ') .$

! ++@ >@2' @ A . 2' @A8@' ' ! $ $

! ++@CD ,@2' D G2' ! $ $, - !

! ++ 2' ! ++ @ ' ' ') .$

! ++ ,2' ! $ ' -

! ++ A8@2' ++- A2' ! $

! ++ @2' ! ++G8@2' -E ' ' '8 B J(

! +>C2' ! $ ' ' !

[illegible]

! '8 @+ >C E',(2' $0' ^ D' ' $) $1 ! '

=0' $) '+-' & ' ' @@' ' % J E,@' - '

+>C + -A

[illegible]

8 @'+ >C A+(2' $(AD' 1(^ D' ' $3'

) $'E - "' JC2' JJ,@' - ' $)

'$' $ B0' D' ' $

V!!!' A'# 'E' AD' A' , +@C' / @+

J$ 1(%'Q ' 10' $

[illegible]

'8 @ + >C +(2' $(^ D' ' $) (J '

JJ,@' - ' $) ' ' @@' A@S+ a

' ! + @D2' + +@D

[illegible]

K ' !- U@D' +BC->.B2' +>C +@D' +B' ? - +>C@'

%B @ ,G' *& 0

[illegible]

E ' $' %0

[illegible]

!' # ' -,->C ' A+@A @2'D@@J ' 8% ' , 'P2'

'$($.

[illegible]

$ -0' %

[illegible]

') 9 ? ./ 0' K$ ' $) 3($

' ' $) ' $ $) ' / / $ 1$

$ ' $L

$' $' 0' -' + G2' + +@' 1 0

[illegible]

E ' $' %0

[illegible]

/' -' ? JC@.A +@2' - U'+B-C->.B,G2' ?E>@' *

[illegible]

"L0% 0

[illegible]

-(-' > @' 8 ' >E + A @(' +-' - ?E A@

[illegible]

i ! +>CM 1(^ D T $ $(
+- - 8J JJ,@ $) + !- A.
;MPQ B '&)G *(OLK + @@D .@C ? A +@ 2
E->+ -C+G -C +G D G@ +@C + +>C@

+! +A C@ @ &1 0 5-C? +>C@ @2 P
O +>C@ @2 P +>C@.@2 +>C@G@ ^ D $) $
" 1

S--- 8$-,, (" O= ! +>C@*)@) ;OMP &,(
C!$ ' A 7 C 7 , U@C PPQ);O $! $(+>C@ @2 + ?EC@
;L<N < 8 &' ;LO " E@CE@ ,@J@D ! +>C@ @2 !-
+B@ @ -,D@ E-U@ @ @ ;==N C$!!$ 0 &' ' 10 S LLM
AD -C+- ? U@ GA +- DCGAU@ @+@2 # +>C@.@ -C
@A@, J>++@ A ?@@+@

! +>C.C@ @2 -E C $!(

! +>C ,,2 C ->A @@ (

+! +6 C ,)2 1(^ D $) $ $

>,,2 + @D _ 5>,A@ 2 C@J,@+ -A2 + + -A
' c "$ - T &- -)' ;< A B B -C,D@
+B@C@2 A@ +B@C J@C G.B+@ J>CG+@ AD ,@AA@ 2 A@ +B@C >,,
+>CG+@ AD + G@A. - ? AA@ ?GAD@ SW=K X ..!@+
$ - 0 C$ 0 $ (M !>?+ ?@ +B@ +>C + @ D-+B ?-C@
@S@ +B@? +B + E@ >,2 +B A +B@ B>A.@C DGD +C->E,@ +B@?
E@ -C@ ;M=L 11 &- -(< '(S, ;L ! +>C +G AD
@ >C +G B D - E@ -++@D +B@?2 +B + +B@G @ C@D A-+B A.2 + ,,
+B@G @,+ + ;QP ')7 0 C!$ '8;QPP(PL B@ JC ? CG
D@ - + +>C +G AD >,A@

! +>CA 8 @ +b*A(5-C? ; M ! +>CA> 8

' (! +>CA@ (P ! +-> A2 P Q ! +>CA@2 Q

! +>CA ^ D $) ') J@CB 2 +B@ C--+ 3
+- !- a

" &!(A + , .-D2 A +B@ -C . A , A + @
C@, . -A +B@ .-D - .C >,+>C@2 E>+ A , ,
+ ?@ D@A+) +B +B@ C@@U %C-A- 2 B-
D@J- @D C-? +B@ - @C@ .A+G - +B@ .-D EG B
-A [@> 8:>J +@C(

KKK 9 G) 5$ / ?& (SSS e = ,-E ! +>CA@ >A>
1 (SSS e ; ,V @DD@ #8 ,-E@ @D@C E -A @ .-D
E @ A ? @) +>CA> ;L<K 3 ?$ (C 0 (
S 8;=<P(L;K ! +>CA> B +B +B + A ?@ - +>C AD-2
? UGA.@ >,A@ @ AD J,@A+@ S) B ?$!!$ (?(
B$ QP ! +>CA> D->A@2 +B@ GCG @GA2 D D E,@A+
;P;L B7. ' L< 0G I>B ?) +B@ , AD -
! +>CA2 C AD G 2 "@ ,@ + AD B A. + B >,D A ?@
- + G) XM-- &' '(S = 7 B@A JC->D J D@
JC ,, " +B J>+ J C + - G->+B A @>@CG +B A. B +
B@ > @ $) ' , >.B+ AD ,@ J+ +B B ? SMM = .
C 0 0 P;< #C B- +B ! +>CA -,D 5,@D - @C DC +- +B
"@ J@C A @,D ;KS< .. C &- 0 E '1(;; LL
B@A ! +>CA2 C-? B- @ +BC-A@ ?@ @,,

/ (B@ ?- + C@?-+@ - +B@ @ @A J, A@+
UA- A +- A @A+ +C-A-?G A # , - $3
) ! & $(

! +>CA A- UA- A +- E@ ++@AD@D EG @ .B+ ?--A 2 AD
+- E@ >CC->AD@D EG EC- D , + C A. 8-C C +B@C + - -A
@A+C C A. A + @ ?@ J, A@(
A &!& " -A ->A+ - + C@?-+@A@ AD ,- A@
- ?-+ -A2 ! +>CA >JJ- @D +- > @ -,DA@ 2 ,>.. BY
A@ 2 AD .,--? A@ - +@?J@C ?@A+ A +B- @ E-CA >AD@C
+ A ,>@A @2 AD A .@A@C , +- B @ E ,@ >, @ @ + -A
B>? A C
, : .6) ?& 0 SSS e L ! A +- HL$0" @ ,D A
+ -CC A @ B + D ! +>CA@ +@-CC 1 (SSS S e L
! +>CA> @ +@-CC OJO 3 ?$ 0 C 0 0
S 8;=<P(L;< B->.B ! +>CA> E@ UGAD,G ,@@DDG EG D@C@
A@ @ - ,>E +@C B A B@ -A >A + +B BG? B@ ? D@
B +@ AD EC .B+ S=-- $ 0 &'0 M 8 3 ! O-D, DD
O ;Q(2 ! +>CA@ J, A@+@ ? , >-,@ AD G U@D , ;=LN
7 '(C& - 8&@C G !- (;<Q ! +->CA DEJ- +B +-
C ,@A -,G@ O/ 0 0 ;; >L; B->.B @A>
.->@CA@ G->C D@ C@ 2 ! +>CA@ / -? A +-C ->@C ? A@
4M=N ' 8 .. & &', < 0 8;M=P(;NQ ! +>CA@ +B + D>,, AD
? ,@ -,@A+ J, A@+ $>&$ 9 - * & ( ) S e
A -C? +B@? +B + ! +>CA B @ ?--A - +B@ ?@ U AD
++@AD A. B ? $> & 8 1 &,0 ML= B@ ?--A - :- @2
AD ! +>CA' E@,+@D E ,,) $ JA C$!0 8
!+ ,, 2 B ,@ ! +>CA B C, 2 B +@D + B D@ !,@@J -A
B ,>? A-> C A. ;KQP ' , " ,!0 ? (2 K;; ; ! +>CA
+B@ , C.@ + J, A@+ E>+ -A@ - +B@ -, C G +@?
!, (B@ +@ BA , A ?@ -C ,@ D
i $! 5 $, &% $) 'H ,@ D @+ +@2 >) C - ,@ D
* &% $) ' (JJ ?J>C@ @+ D D + ,,@D C-?
>. C - ,@ D
, 4LKM 8 @@ # B1 O Ea 4=Q; 1. & '*0 !, (?
A - (m4MPO(;=N 5-C >? ?@A A G+B ! +>CA@ +
?>,+@J,G ;P<= . 6 2 !!3 &0 K< - -A.@ ,@ 3 @C
>C @ +B +B@ J C + - ! +>CA@ S . - !!(>
QL U@ - +B@ % ,S - ! +>CA2 -C @, @ 3 A >? ;M<= .R
?$ > *) 0 8;Q;L(MM ; B !J C + - ! +>CA2
DC A C-? + ! ,+2 A A , ? E,@ I>-C2 AD +B>
? D@ ! ,+ - ! +>CA2 - ?> B ? G ,, G->C , -C
C+B@A $@+-C++ - B CD >,, J>+ + A+- 5>CA @ ^@+ a
;QNM ..1 8@D 9@C @G(2 $! 8 $) ' -+B@C @ ,&D
$,, $) ' $) ' (-C !>. C - @ D2 +B@ O-DG - +B +
3 @+ ,2 -J@A'D AD C@D> D +- +B@ -C? - ! ,+2 EG / + ,,@D
A@. C2 8 @@ . 10 O Ea B ^ @@ # B1
O E* 4KO< <!& > (1 " LO + 2 D +- B @
+B @ @ +2 --A2 AD -?J,@+@,G2 @S+C + - ! +>CA
$!!) !"(7 # +C ? ,. - $ ' ' > ' 0
L<K #A@ ? G *> +,G D->E+ B@+B@C2 + JC@ @A+ 3 C 2 @A> 2
-C ! +>CA2 ?- + D@ +C> + @ +- +B@ B>? A C @
E &-1T + ! +>CA AA E C H " (&,(N 5(H
! +>CA C@D 8 A C@ @A+ / @+ (2 A ?@ -C C@D
,@ D ! +>CA +C@@ ^+C ?@D $ 1& $) ' 6B
,@ D +C@@ 8 A C@ @A+ / @+ (2
! (B@ +A +>C@ E,@2 A E, X-A A. EG +B@
A ?) - B@ @A,G E-D @
%b_N ^ @@ # B1 N 2 = O a
! +A C> , 8 +b *A ,(2 $(AD (^ D 2 3
) -$! % $ ' '3) 8 @@ K . V
* $ B0 &@C+ A A. +- ! +>CA -C A6 +C-Y
,-. , > >@A @ 1

4P<4 < $ 2 0 &!!" 7U 8 C- C+(4 LO= 1@+
C@? A@ +B@C@ A +B@ ? AD @C+ A , " ' !!)! &! ' * $ "
B B -A C?@D EG +>CA ,, ?JC@ -A2 @C@ B CD@C +-
C--+ ->+ +B A @C@ +B@G A@ ,G JC-) J A G->+B2 S .
: -Y D ** ,,0 C !& 0 <M B@G +B + C@+-. +B@C
! +>CA ,,2 3 C+ ,,2 -C:- ,, "@ CE ?> + ,--U +- CD +B@
+2 -C !->+B SM 3 W(! ;N< "@ +B + B ,,
,, +B@ J--C E,->D C@+>CA A. B-?@ A +B@ @ A 2 C+B,G2
! +>? ,2 C- 2 B ,, ? U@ A- ! B ?@ A +B@ D- Y
+C A@ - % C >, + -A $% J $" & $! M=< C@
A-+ +B@ ! +>CA , AD 3 C+ , !+C A. AD -+@ ? +@C ,
AD >, @ >, +B@ :- , AD @A@C ,
1(
#A@ E-CA >AD@C +B@ A ,>@A @ - ! +>CA 1 (
S+@ A) 0 =Q B@C@ C@ + CC@ B B B >@
+B@ C ?- + -,D@ AD ?-G + J C +@ 2 +B@ ! +>CA ,, AD
>A C @
/ * 0 ^ 5 $) '$! @CA J 8;=+B $) - ! A
++C@(a f 8 (E f 8 (O
$& > L ?. 0 < ($' ' S 87 D@ 7 , ;P;P(
I * @A @G.^ C)+B 3 C-E@ A B E-U@ - ! +>CA@,,@
' B7. ' H(&C-, MK # +B@ C 3 C-E >
A E .C@+@ -,>?@ ,@J + ! +>CA , a ;MS< O #
$ D) C! $ 0 ,&' ,(& (8 2(2 UA- + A-
> B + ?@ +B@ ! +>CA ,, -C ,, +B@ 7 -C,D ;M=Q
$- " $ 0 C& (S 8;MQP(OKM + @C+ A 5@ + -
3 A@C A 3 C B2 +B@ 3 D @C@ -A+ +- E@ @C @D EG
+B@ C 3 +C@ @ 2 A +B@ ! +>CA , +B@ 3 @A @C A+ EG
+B@ C 3 +@C O%/& . 0 < & (8;MK=(=Q '&
3 C-E > A +B@ C + - B ! +>CA , 2 ,(#;0 O>+/ !
@+ 2 0 &2! "> 0 C!$ ' 8;Q<P(;<; O>+ G@+ +B@ @ ,D
! +>CA , B?, A-+ , + ;Z97 ') - R 3 C L=P L -
-?J- @ +B + ..@C A. -A.2 T B@G B?, A-+ A @ ->C
$B A@2" -C +B@ @ +> ? !
%0) 5? ./ 0 * 0 KO$
) '$!$(-E* L 7? $) - $! 8 (!
& - $' ' D0 B@ @ + , - ! +>CA2 B@,D A
+B@ ? DD,@ - / @ @?E@C2 -E @C @D + ?@ -
.@A@C ,>AC@ +C A@D ?@CCG? U A.2 @S+@AD A. @ @A +-
+B@ , @ 8 , -2+B@ + +,@ - -CU EG 3 C-E > (
- , G +B J + , !
% [.) *) - * O L2 ? + + A. +B@ -CD@C
AD ? A@C A +B@ @ + ! +>CA , 2 $ $%/& .) $1! 3
(8 CE (LL %BC + A > @@D +B@ ! +>CA , ;Q)
< ,!0 ;QM B@ C + D G 2 B B - AY
D@D +B +B@ -,D ! +>CA , 2 @C@ ^@+ a XKKM ' , " ,!0
? (4 4 LO; O ! +>CA , B 2 +B@ .C@ + @ + , -
! +>CA2 @,@EC +@D +@C % @ C' C@ -C? - +B@ ,@AD C
-A +B@ ;Q+B - / @ @?E@C >.> +> D@ C@@D +B + +B@ ;Q+B
B->,D E@ W C@D +- ! +>CA AD +B@ ;<+B +- #J "@A @Y
-C CD + JJ@ C +B + +B@ ;Q+B AD ;K+B @C@ D@ -+@D +-
+B@ ! +>CA ,
/ $' %(>DGH J@C -D - >AC@ +C A@D , @A @
AD C@ @,CG !-?@+ ?@ -A +C>@D '
A +B @A @ A-+ >A C@ I>@A+,G +B ? ,, A + ,
4QKO " 9 .1 . 0 & 0 $ &' K :>,G2 3 , .A +G
+ ,@ + ,, B @ + ! +>CA , 2 ;KSK ($ 0 2
S 2 O>+ 5C A @ .-+ DC>AU +B E,--D +- -? + C ?@2
AD + , B @ B@C ! +>CA , E@@A2 - 5C@@D-?' > @
$ /% .) !$ $;N; 5C-? %BC +? +- @
1@ C' / G2 ?- + - +B@ , @ 2 @S @J+ B-> @ @C A+ 2 @A*-G
C@@D-? C-? , E-C AD %BC +? @ J@ ,,G B-, D G2
-C ! ++>CA , 2 +B +B@?)S!)J) ' 77) $ -
0 ;=Q B +B@ E@. AA A. - J@C @ + +>CA , -
+ , >++ A. AD -+B@C -J@C + -A ^ ?-A. +B@ , ?E a
! +6 C> , 6 8 @+ \?), A(2 $0 AD 10 ^
JC@ a $ B0 &@C+ A A. +- +B@ ! +>CA ,
JJC-JC +@ +- ! +>CA ,
$) - $! $' ,& ' ?@D , +C> U A - ??@?-C + -A -
+B@ ! +>CA , 2 AD A+@AD@D +- E@ > @D A +B@ JC@ @A+
. A. -??-J + +B + @ -A
SQO+ O 5 !0 - 5 = B@ ?-> !
+>CA , A 5@ + ?-A. +B@ $-? A 2 + B B @ @CG ! >,Y
, -A AD !U JU@AA@, B D E@C+G +- +@,, B 3 +@C B - A
$>0% B (& ' $ - %-CC 8;K==(=N=) ? U@
> @ - +B@ + >A , A , E@C+G +B B B G-> B @ AD>,.@D
G->C / > + +B@ ,- @ - +B / @ @?E@C $ A/ -
' , " ,!(' D(K<P ! +>? , A %- A $ J$ . .
& (0 ?b 2 A>D , A. C-? -?@2 AD +>? , A
C@ @,C @ C-? +B@ ?- +2 +B@ @A@C E,@ %-CJ @ +- E@ E>C @D
& '3 & !($'(SS + L<M - A -
) @A> 2 B B B E@@A D@ C E@D ! +>? , A - A
;KPP = . $ (0 + 8;KM=(=PN B + - C @
+>?, , A B>?->C B B J,@ @ +B@ + , A2 @ C
10 #A@ B- @,@EC +@ ! +>CA ,
SKK - . 72 ' &- $;NP B@ .B+ 2
EC->.B+ ?> B -A > -A >J-A +B@ @ AA- @A+ +>CA , A
+ 9 2/ $ 0 1 0 0? 8 ($0
O a 6AD@C +B@ A ,>@A @ - ! +>CA
;MNL - . &' $ S 8;MLO(LNP !- C@ +B@G ?-C@
-C ,@ @ ?@C G >D - ,,G2 -C C>D@,G AD ! +>CA ,,G AY
-CJ-C +@D
! +>C 8@(D G2 73= ?70 1 = 7? 8 '
! + ?@,,@ @@ 8 (10
i 93 / $0 1 0 ^) - 3- J@CY
+ A A. +- 8 i (! &@C+ A A. +- *6- J, A@+
! +>CA E-? +?D@C +B@ A ,>@A @ - ! +>CA
4P<4 1 +C $ &'> < &-$', 4LL A +B A. !
+>C , + ,, SM)< B. $ $ &-0 SS 2 !- C -C+B
+ JC-A->A @+B B ? ! +>? ,2 -C :- ,2 \
+ ! ++, CL , ,2 1@> 1 0 ^ D @ , $) ' T
$') (A -CC@ +,G) - -) -C) - !) (+B@
A ?@ - +B@ ->AD@C - +B@ @ +a A DB@C@A+ -
@ + - A- + B@C@+ - +B@ @ -AD @A+>CG
;P<K < . B +C2 &"&'> $ $!(&, & - $DC
K B@ ! +>CA A 2 3 -A+ A + 2 #C .@A A 2 @C+>,, A + 2
\ "G@C + OMNQ 7 L<)) 8;MOP(S B- @
?@A B B B@,D +B +2 %BC + ? A A JJ@ C A @ -A@,G2
+B@ 3 ? E @ AD +B@ ! +>CA A
! +A A > A 8 +b>A A(2 $0 AD 10 ^ $3
) ' 3) 8 $) - 3 + i ! $ B0
&@C+ A A. +- +B@ .-D ! +>CA

%B @ ,G +B C@ @C@A @ +- +B@ T.-,D@A .@ " >AD@C +B@
C@ .A - ! +>CA 8 $) ' $ '$+($) - ' ' !$ ' 4 0
$) - $!!) H + ,G
S\ - ' 8 .. & P' < (3 PK B@ ! +>CA A + ?@ -
-,D ,@+ A-A@ B@A @ -C+B D? C@ 4QLK 1) ' 0 OK
"@C@ J,@ D E@B-,D B@C ? .B+G A. ->+ JC@ D - B + B
A@ ! +>CA A .@ - @ D2 S) .. 4 *)5
;Q= BC->.B +B@ -C+>A +@ ! +>CA A , AD2 A+- +B@ D CUY
A@ - +B@ 7 @ + ;K;Q . . ,0 8;KPQ(P; B@
- , -CD@C +- 3 A. E U +B@ ! +>CA A @C +- +B@
-C,D ;KMO 71 $ ' ' . V 0 &1 0 , !" ;NM
AD A- C@+>CA@D .?A - ! ,G +B@ -,D ! +>CA A C@ .A2
E '&', 3) 0 $@ @?E, A. ! +>CA 8 A -AD> +(
;KN4 5 1 3 &' 8;K<P(PP C@ ! +>CA A
@ C+B B@C B ,D -A >?@
/ B@ D +A + @ @J +B@+ - +B@ ?@+C@ =)
$) ') + > @D A @ C,G $-? A J-@+CG2 E@ -C@ +B@
A A+C-D> + -A - C@@U ?@+C@
,+B->.B -A D@C E,@ A>?E@C - ! +>CA A , A@ B @
E@@A JC@ @C @D2 +B@ A +>C@ - +B@ ?@+C@ + ,, D J>+@D2 -?@
B-, C E@, @ A. + +-E@ I> A+ + + @2 AD -+B@C @A+> ,
;M<L) 6) '$! A+C-D 8;M<Q(O< B@ $-? A 2
B D @C+ A 1->A. 3 @A2 B- + +B@ C 5@ + , / A 'D AD
!>A. +@C +B@ C >A ->+B ? AA@C2 +- @C+ A U AD - @C @2
B B +B@G ,,'D ! +>CA A 4QKL 9 . , 5&!0
03(! +>CA A @C @ ;K=O = B. 0 OO >. 2 A
C@ @,G A % 8 KW-(;;< B@ ! +>CA A ?@+C@ +
,@ + D ?@+@C , ?E 2 -,,- @D EG +BC@@ +C- B@@ ;K<=
) $ ($' T ;P< B@ ! +>CA A @C @ C@ -.A X@
+B @ -AD CG @A+2 @ C@ C .B+ A C@. CD A. +
@A+> , AD A-+ I> A+ + + @ @C @2 +B +BC@@ @A+ A
+B@ C + B@? + B AD + - A +B@ @ -AD
L # -C J@C+ A A. +- +B@ J,)@+ ! +>CA iD>@
+- +B@ E ,@ >, A ,>@A @ - ! +>CA
> ! < .) A & C ,(8 CE (;;P 3 >-C+ A
?)W2 ! +>CA A >C @ @,, ;Q<= <)I $ 0 5*0
C !& 0 S, JJ O>+2 , U@ +B@ :-) AD ! +>CA A
? B A@ 2 +B@G C@ -A,G ? D@ C-? J C+ >, C -CD@C ;KNM
"J " A C !($' 0 4% =MM 7 @ ? G A @C +B@
@S +@A @ - ! +>CA A +?- JB@C@ ;KMP C &, & $) '
" 0 ;;P 4B) -A,G J- E,@ A @CJC@+ + -A - +B@ + E , +G
- +B@ ! +>CA A C A)
E '&', 3) 0 $@ @?E, A. ! +>CA A ,- A@
;Q<M B . (C $, 7U 4 <L B@ - J @D
! +>CA A ?- @?@A+ - !J A
+ ! 6 0 $,0 0 1 (
SM M . B !& & 0($) ' $' -C $) ' ' (E CC@A2
D>,,2 B@ G2 ?@, A B-,,G ,) >A,> UG -C >A -C+>A +@
4QLK ", ($) ' ' (-C $) ' $'(+@C?
JJ, @D +- J@C -A - D CU2 >,,@A2 ?@, A B-, -?J,@ + -A
:O 1(
#A@ E-CA >AD@C +B@ A ,>@A @ - +B@ J, A@+
! +>CA J@C -A - +>CA A@ +@?J@C ?@A+ 1 (
4P<4 1 +C $ $'> < &-$', L; ? A E@ A.
! +>CA A2 ?> B ?-C@ J+@ AD JC-?J+ A+- +B A. -
: .+ U@2 +B@A B@ C + E-CA@ AD@C A -+B@C &, A@+ S!<)
= C" -$!(;PN 7 B + -,D !)>C> A % A B-,D2
AD E@ C@ >) ,@ D@+C + -A +
/ A AB E + A+ - +B@ J, A@+ ! +>CA
4QLK < ' 0 $ (LSP O !-?@ -,D ! +>CA A2 B@A
+B@ , +@D +>E@ !B- +- E -AD'C A. @G@ ->C J@A ,@ .,-E@2
& + @ ->C +B C 7 - ,2 AD >,+CG C ;KQN
& ! !0 ;PL B@ JC- -A - +@,, +@ AD - +B@ C A. 2
,+-.@+B@C A D@I> +@ +- A C@ @ +B@ >JJ,G - , .B+ C@Y
@ @D EG +B@ ! +>CA A +- AG > B @S+@A+ B E@@A
? . A@D
* (! +>CA A @C @
;K<< = . % & OK= A., B2, U@ + A2 B
B A.@D +--D@@J,G A +C> +>C@ +- C@ @C+ +- + ! +>CA A
! '&', 3) 0 B@ -A - ! +> A2 :>J +@C 8 C C
9J- - (
;KLN .. " - ' ,(SSS 7 B@C@ +B@ ?EC- ,
AG?JB +B B JJG , ,, O-C@ +B@ ! +>CA A' ,- @ B ,D
3 @C >CG 1 (B+2 JJ@ , +- +B@ ! +> $ A' +BC-A@
! + C> 8 +@ A U(2 $0 ^+ B i ;%a
@ +@D +B ,@ D J- -A A.
4KQ< (< & > & *(*3 4 ONM #A@ J + @A+
+-+ , E + A@C - C--U S) J A+ - E@@C 8E-+B +>CA (
BC@@ +--U O J A+ - E@@C 8-A@ . ->+G AD +>CA (
+ ! +A ' ? - ,2 8X 1 0 I B N" . V
O@,-A. A. +- +B@ .-D ! +>CA
/%O B 50?)!! ' &' ' *&,(8;PQL(,-S ! +>CA ,,
-C .-,D@A .@ O/ A B 8 CE (<Q B>
+-@ @A> +>CA A. J U@ +B@@ ! +> ? , @?JC@ @ ,0
:+?-2 D >.B+@C - ! +>CAa
/ ! +>CA A@
;MNP S 7 ,(' !!0 + 8;MOK(KN %C-D- , -
? + U@A -C ! +>CA> 2 A-+ A C@. CD - AG +>CA ,,
)> ,+@ ;MSM $ $ "8" U, !- (;L=2 +B AU
+ +B@ +>CA@ ,, B>?-C - +B@ ->,D U A. SM O
$ $ (&0) $ 8;QL;(MO -C ,@ A2 A-C +-- ! +>? ,2
A-C +-- :- ,2 E>+ A -,D@A @?J@C 4QN4 9 8
-0 $ (LL 7 B@C@ +B ? ,@ -,@A+ +>? , ? A2
A ?@D 5@,+-A22 . @ B ?+B +? -C+ , ->AD
! +A ? @S +C - 8 +) ? D@?+ U(2 $(^ #2
^ ? ($% &, '!!,06 % , >, +@D +B C@ @C@A @
+- ? +C@ - ! +>CA ;
O>O+ ' . A C !0 C+ " ! 4444 =LO A -CD@C +-
C@D> @ +B@ ! +>CA @A+C +> + -A - +B@ +@,, +@ +- +B@
JJ C@A+ -A@) XKMK <) ! - '> $ ' 8@D L(
OPL A D A A. C ML) -) +>CA @A+C , ++>D@2
@ B ,, ^@+ a
! +ASA A@ 8 C@ +)*A A(2 $0 AD 10 ^ D ?@D
T $) - -) ($)) B % 5 $3
) ' '(!J 2 &. 2 + $) - '& 0 $ B0
$!0 O-? >AD@C -C @ +@D EG +B@ A ,>Y
@A @ - +B@ J, A@+2 E "@A @ 8 A , +@C > @ +BY
->+ ,,> -A +- +B@ JC ? CG @A @(2 ,>.. B2 -,D2
AD .,--?G A +@?J@C ?@A+
$) ' ' -&)' (A C$!- " f " $) ' @@
=
A&JJ)7 (-) ' ;;)QP B >C D O@CA2 @A>G->

AD' C B+' , Z AD' - ' - ? J,@S ->A' @CC G' +>? GA@
< ' CE' $ - (;='EZ B@'! +>CA A@'+@?+)C +>C@'
A@ @ C@'+-'DCG' J'+B@' >J@C ,> + @' - '+B@' A.> A@' -A +'
+>+ -A' L OO(? !5H5!5/5PF!%&'! +>CA A@B@ >GB@ D@D'
E,>AD@C@C Z XD S' O> CC- ' '$E' E' ' 'M' C@Y
.-C> ' -,- A>' ? U@' @ >@A' U AD@' - @+B@C ,, ' / @, Z
-CD A.'+-'+B@' A>?E@C' - '+B@' @ >@A' &, A@+ Z ! +>CA A@Z
,-> ,Z 3 C+ ,'Z \ ' ;M=' ' 8 .' & 0 $ 0 '8 CE(-'
-' C +'+-'+B@' #J@C + -A' - '+B@' ! ->,@Z +B@' -A@' ' + @'
AD' 3@C >C ,,Z+B@'-+B@C' '!J@ >, + @' AD'! +>CA A@' +B@'
-A@' F> U' AD' GCGZ +B@' -+B@C' !,- ' AD' "@ G' ;MMK'
) ' 0 $ '0C& "' '8@D'9@C(' 'H;M3G' -A @C Y
+ -A' ' ,- ' AD'D>,,' ?G'B>?->C' +>CA A@' AD'C@ @C @D'
4M<M B ' ,(8;QO;(' ;QO' - D')! +>CA A@' A ? , (
C@'U ,,@D'EG'J>++A.' - ' ! ,'?G'$@ D@C'>A+-'+ -'.@A@C "
, 0' '4Q<'&'4Z ' ? G' $! AD'+B@' $) ' ' ($';QQN'9 "
/ -A Z +B@' ,) $! AD'+B@' $) ' ' ($';QQN'9 "
O6$ # ' 0' (S' A+C-DZ 7U ' ;QKK' 'P<L' B@' AY
D-,@A+Z +B@' + @Z'+B@' ! A.> A@Z +B@' 5,@.? + Z AD' +B@'
! +>CA A@' B @' ,,' +B@ C' -CC@ J-AD@A+' B@-C @' 8-'? -Y
C ,+Ga' K ' ' 'S Z B@' -C?@CZ ' .C @' AD'
+>CA A@' A' @ @CG' +B A.' B@' D D' 4K=K ' -1 "'
[[[(- ,) A' ' +>CA A@' AD' C A' 4KP!' = .
! 0' ' (S ' 'W)=#A@' -'+B@'+AB +'C@? CU E,@'J@ >, C Y
+@' - '+B ' ? A' 8 7 ,, ?' " aZ -CD A C ,G' -' +>CA A@' AD'
C@' @C @DZ ' +B +' D A.@C' +@D' -A' B ?' ,U@' A@' 4OMP
71' $' ,'C) $ 0 A+C-D'!-AA Z #' J-@+' +>CA A@'
;KQ4' ' C - ( )!(;;L'%B C-? A G AD' JC--'-'
?@, A B-,G' A'+B@' A+@C @ + -A ' -A'+B-' +>CA A@' ? ->A+
O' &@C+ A A.'+-'+B@' J, A@+' ! +A?' $ U>0
SKM' ' 9 . ;' 0' -(P< B#'3@C >C ,'D G'E@A.Z
,U@'->C'- AZ @A+G ->C'B->C',-A.Z+B@'! +>CA A@'-A,G'+@A
' # '-C' J@C+ A A.'+-',@ D
4KM< 7 ' !) &!# ' " &!0 "-(Q 1->' B ,' AD' +B@'
+@C' +-'B @' -A+C +@D' A-' +>CA A@' ? JC@ -A' [QPL'
' ",!( )*%0 ' Z ! +>CA A@' + A +>C@Z ' ,) $'
$) - '$0 ;QK' C') A' (&- -)'0 <M ' EEG'
@C>J+ -AZ B BZ G @,D@D'+-' ' +>CA A@' JJ, + -A ')KSL'
;' , (' 'B!$ - 0 =)P A'@? -,, @A+' -C' +>CA A@'
J->,+ @' -C? +B@'E@ +' JJ, + -A'+-'+B@' >, @C' SKLW) \'
- ,)' &-$& (<P $@D' @ DZ 3 A>?Z -C'! +>CA A@'
$@D'; ;KQ=' < 1' \ L ' $ ((8K+-(';ON' @+ +@'
-',@ D' AD' -+B@C'! +>CA A@'JC@J C + -A
E ' C$ (# 'D -CD@C' '% > @D'EG' E -CJ+ -A' -'
,@ D' # ' 'J + @A+' !> @C A.' C-?',@ D J- -A A)
;KLL' ;'O /%#%9' &-0 -) -(;NP'!J ?-D ' B-, Z
-C' +B@' +>CA A@' $' +>CA A@aZ ' +' +@C?@@D' C-?'+B@'
> + -A'+B@C@-Z .@A@C ,,G' -,,- ' 'D@E > B' - A@Z -
+B@' J ,@' U AD 'J C+ >, C,G' ;KPP' 3 7. ' (50'
$) ' ' '1 $ (+B@' J@ ?, C) ->C' -'+B@' EC@ +B' A'#B@'
, E->C A.'>AD@C'! +>CA ?>' ;K)' ' 3 'A' ",!(
? 0 4 4 'O0K)X&-+?@AZ B-'DC AU'E@@C' B B'B 'C)+@D'
-C' -?@' + ?@' A' J@ +@C @ @, Z C@' , -'+B@' - -A ;
+ ?' - ' +>CA A@'J- -A A.' ;K<Q' E1) ' * /' (
'<KO' B@' A C@ @'-C'D ? A>+ -A' - '+B@' >C ' D' ' A'
A-' G' JC-J-C+ -A ,'+- ' '+B@' @ @C +G' - '+B@' -, Z AD' -,D'
+>CA A@' J + @A+' '+@AD@D'+-'J ' +' ?'@S @
'O' 1('J@C -A'E-?'>AD@C'+B@' J, A@+' ! +>CA'+'
',--?G'J@C -A
;ML;' 8 ' . - O ($)' 'PM ' >AD@C@C'
' ' 6AA@A' E CE@CZ AD' ' ?@@C@' +>CA A@' -C'G->' B ,'
@ @C AD@' B@C' A' +B@' >DD ' ;MPL'$ ') 'C " & '0
;P;' ! -'? > B' -C'+ @'&BG - .A-?G'-'+B@'! +>CA A@ 'A- '
-C'+B@' :- , +

2 8 @ + \ A A,(Z $ 0 ^ ' ! * '
9 0'$0 i' ,1') a' A' ' +>CA A@' ? AA@C2
;K<P $!"' 2 '9 5@E' P)M -CD' ! , E>CG' ' '
+>CA A@,G'B>?-C->'A'B ' C+ ?'- '+B@' 3 A +@C ,' JC-Y
.C ??@

2 8 @+>? A,+(' ^ ') '$0
i' a' B@'!> ,+G' - 'E@ A.' +>CA A@'
SJ3' ' ,4 ,, 'LPL O' B@'+ -'D-? A + A.'+C + '- '
+B@' A., B? A' 'B C +@C' C@' ',- @' - 'E ++,@' AD' '+@AY
D@A G'+-' +>CJ >+G
+'! +?+A #6 !Z'$0 0 ^ ') '3) 'J@CY
+ A A.'+-'! +>CA' i' -A a' ! +ICA A@Z .,--? G
4P<4 1 '+C' $ &')'< &' $' 'OO<' +' B ,,' J!'EG'
! +>CAG->Z ?@, A B-,G' AD' + ->'?@A
! +>? ? '8 @+) AX ?(' , -' A' ?-D4 '
-C?' ^ '?-D ' $) - - 3) B' ') - 3 '
8 ' '=--' 2 !' @ D J- -A)
;KLW /> -3' (5((' $) ' -)(J- -A A.'EG'
,@ D',@ D J- -A A.' B@SG' 5N E< & >'
& *(*(4 ';Q< 5->C'B D' > ,@C@D' C-?' + Z -A@' C-?'
+>CA ?
+' = $ (^ ' B H" V #A@'
E-?'>AD@C'+B@' A ,>@A @' - '+B@' J, A@+' ! +>CA' $
+>CA A@'J@C -A
$J%0'#' 6)'+C' **$>' $' > 'PNEZ !B@'JC-'
A->A @+B'+B '? A' '! +>CA +@Z-C':-> ,)' ;L<K = 1'
,&0 E$' ' 6';QP 7 B +' G@',)+>? +Z B@'+ -C+B@CA@'
J '+@' O>+' >D'.C- @',@ DA@ @' J>,D'@S J@C +@'+' S& #
2 - &,V0'N&& & - $'PNQ C>? C' B @' :- , + ' ,@G'
+B@' D' B@' + @'!->,@' '! +>CA +
+! +ACA +@ ' '(1(^ ' B N'K "'
8!@@' I>-+';K<M (
;QK=' 8 ' '(LM;' 8%B@ +@C(! +>CA +@' 4Q<P 7'
(' 0' 'O-S E 0 OG'+B 'A@)-@'
9 C A' D + A.> B@' ' >E + A @' D'EG' 3-AA@'+'+-'E@'
V>AD' A' +B@',@ D' ? A@' - '&->6 -> @A' A' OC++ AGV' AD'
@J C +@D' C-?'+B@',@ D' -C@'D>C A.' + '+-CC@ + -A' K<K
' ($-' ' 'O($) ' (+B@' A ?@' . @A'+-' '
' >CA @'JC-D> +' C-?',@ D' ?@,+ A.Z + C +' -A ?@C@D' ')
?J,@'? A@C ,
! +>CA OD'8 @+)*A X(Z (^ ' B '33 X a
; ' $' 0 -' -? E A@' -C' ?JC@.A +@' +B',@ D'
9 ' '?$ >' * ' (8;Q;)' =QQ S' %' - ' &3'
) ' $) - 0 +C@' +>?)'-C' 7 +B' @ D
/ '%&',) 10 -' +C +@
8 A' ,,> -A' &' '?>+, + -A'- '! +>CA'EG':>J +@C a'
S! .') ' -$ (&' 0( ), $''%"' - & .(7U ';KPL
' ;K O' 3 G' .5 AD +B@C ,U@' A-'B-C @' E>+' B +' C@'
! +>? X@D

+'! '+ACS , U@Z' 0 ^ '! A$>i 9 a'
$@ @?E, A.'! +>CA
;LM< 1 ' (? !!$"'8@ C,@C' @C -A('= ' .C ,G'
-C@B@D' AD'! +> A@, U@' @' ;MLL' B ' 0 8;MLP(
;=Q'O>+' A @'+B@'!>AA@'- 'C .B+@-> A@ @' B +B'C- @'C-?'
+B@'! +>CA@ U@' AD'D>,,' C+B'-A'->C'!>AD G' ' @@'8@+ a
! +>CA D G2'73='?701'7? 8 '
! +>??>0' @@' 8 ' ! +>CG' @@'
! +GC' 8 @)+-*(' 5-C? ' '8C@JC' ' $") (
J ' $" +'=' + C>' ' ' = M' + C Z' +GC Z' 8= P'
+CG)' +>CG2' + CG@('8(P)Q' +GC@Z'M' +G@C2
M K' + C@2M n +GC' P$(0$") (' CZ'$$ *& 0
% '5 ' $" (! J' &(&. Z +' $ &0H
' " (#A@' - ' ' , ' - --D, AD' .-D' -C'
D@? -A Z A' -C?' J C+,G'B>? A' AD' J C+,G'E@ +' ,Z
>JJ- @D'+-'E@'+B@' -?J A -A' - 'O B>
A' C@@U' C+'- '+B@' JC@ $-? A'J@C -D'+B@' +GC' 'C@JC@Y
@A+@D' +B'+B@'@ C' AD'+ ,'-'B-C @' $-?A' >,J+-C'
? , +@D' +' A' -?@' D@.C@@'+-'+B@' >A' - '+B@'C A + @'
?G+B-,-.GZ. A.'+-' +'+B@'@ C Z + ,Z AD',@.'-' ' .-+Z
AD'E>DD A.'B-CA
A' +B@' A., B' O E,@'+B@' -CD' ' JJ,@D'8 +B->+'JC@ @Y
D@A+'@ +B@C' A'+B@' 4 4'-C'+B@' >,. +@(+-'+B@'B CG'D@?-A'
-C'?-A +@C'8"@E'/A J ' - '!@?+ ' >J@C ++ -AZ
>JJ- @D'+-' AB E +'D@ @C+
%4LQ=' B ' (' (' ;P;M'8;P==(AD' E Z -A'
@>@CG' .-D'%@,@ + ,' ' @C@' +'L I Z #A'@>@CG' G?JB@' AD'
D@G+@' ? @? , #A' +>)' AD' \ AG' ?-C@' AD' ,@ @Z (V +
B ,>@'.-DD@D'E@A' - ' ,D@CA@! @' S) ' :'& '%
8$-,, (' 9 'J@C@' ' - +@'EG'AG'+@' @ @' C@Z >A Z AD'
+GC' S) '< 8 ' &' ' ;Q;' B@' C@U ! @ A'@U'+B +'
- '+B@' B@6@'B B@' B@'.-DD@'E@A' A' J@ ,Z O-+' - 'B@C@'
A ?@' A' .@A@C , B@' B- @A' ,,@' ! + C ' 4=K= L '
$1! '&%) $''55HH0 B@' -D@ - @' -C ! +GC@',@DD@' +B@'
JG,.CG?' B'+-' B ' JG++@' S J)' ; 6)' +C' ' * *
$'(' B@' --D@',+C@ Z S)S' '<)$00 '
0 & 0 ,,Z 8;PKM(' ;PQ' 'AC ,U@?)@'- '+B@ -> ,C@Z B-'
,' B >@' ' .--D' . @' ?-A ' +-B@C' -?@AZ ' '
! +GC@' ->,D'B >@' ?-A. +' +B@' G?JB@' ' ;LK=' $ '
,& (6 , (3 .' L 3 '8;KKM(' ;OO' B@G'B @' -' , @D' > '
+B' E>,' E@..@C Z J C +Z + B@ Z >C B@A Z @7@ Z B . Z
C@ Z +GC Z J A Z >A Z G,@B '^@+ a' 4P< ' &
(7U '8 C- C+('OOO'5 A@ Z ! +GC@ Z /) D@ Z \'
" ? DCG D@ ') 4L<L' &, ' ' + 'ONL'1->' /C =D@' AD'
,.B+ --+@'! + C ' %+ J ' $ -(' ;=N ! -'@S @,,@A+'
'9 A)'+E 8' '+-'+B ' J@C -A'+-' ' ! +GC@' DSX' (
$(S 'O4 ! +GC@'8+,! ' % + 'C' '=-$ ' '-C'B@'
.- + (a' B ,'D >A @'+B@C@' ;QNN' 7 3 ' $"'&%C & !
<<<' S Z!>C@' ' 'E-CA' +B'E>DD A.' A+,@C ',U@' 'G->A.'
! +GC' ;K) ' '#' ' ,0=' 0 '8;KPN(M=' B@'
B@ D'B '+B@' -D ", @'>., A@ ' AD'? , A +G'-' ' +GC
>1(6 ('+B@'+GJ@' -',> + >,A@ '
$0K$' 8)75.$ &' $ (LK' B@' B@ +B@A', . @C' - '
A @A+'D G) 7 ->,D'DC @'+B@?' -C+B' C-?'+B@'C@ -C+- '
?@AZ AD')>+'>J'@ G' +GC' A'B 'D@A' ; ' B '
$2 ' &!'+'O %' B@'@ @A+ ,' B C +@C', '$),D A @'
C+2] +B@'JC D@' - ' B @ @ Z D-CA@D'EG'+B@' AD> +CG'- '5--, Z
>AD@C'+B@' ? +@C B J'- '! +GC
)@' B@' -A> -A'E@+ @@A' +B@' -CD' $,'
AD' $" ,' @'C @'+-'+B@'A-+ -A'+B +'B@' ?'
B- '-C?@D'+B@' B-C>'K6+B@' C@@U' +GC 'DC ? '
B D'+-'D@, @C'T' + C ,' J@@ B@' "@A @Z A'+B@
;M ;Q+B'@ (+B@' C@I>@A+' ++C E>+ -A'+-'+B@' +GC'- '
@A -C-> A@ ' ' ' B C +@C + ' I> ,+G' !@@'
' ' 10 =
'S) ')7 ' *!('<& & ' , 0 1) 'LM B@G'JC@ @A+@D'
+B@'">@'- '! +G@C Z!-'+ +B@G' ? .B+' , @G' AD@C' +B@'
E> @'- '+B +'A ?@Z D ->@C'+B@' -,,@' - '? AG'+B@GC' -, B'
@,,-' ' +@ @A ' S) '< ' ' - ' $DC Z' @+
3-?>'?- U@Z AD'[- +> '@A> @Z 'G@ Z,@'+'+B@' >)'! +GC@'
BBA @,)' B- @' GA+ +' @A >+ @' '? -C@' @ @A@'+? A' A@@DZ
C- A@'+B@' J,@ >C@' SM -'O' ,&!! - ') -'PM' 2'
,>?J@Z -?J->AD@D'-'! +GC@'!J,@A Z &-@ ++!' +@
/' ' U AD' - ' J@'8 -' '$ *& +'. A' ?-D@?'
> @Z +B@' -C A. >+ AZ - $'$ ") (' $ (
JWD' 3Q '?$ 0 'C((U 'S@ '8;=<P(K=O!-?@'
J@' ,,GD'! + C> Z)@ GA.@'A' @' G+B?@CG?@>GA.@'
AD'J, G@A.@ ' ;M;L' B 'C! -$ '8;M;=(PPK'#+B@C'
J@'+B@C@' +GC' +-C@Z AD' '!? A 'C@J-C+@+BZ ! +GC@'
+B'8@@+'"U@' - + Z AD'!JBGA.@ Z +B'EC@ + ',U@' -?@A'
;K<K - ' ' (' $' ' (;KK 5-C'+B@ C' !-,+C A@' '
,,@D' 3@A' - ' +B@' 7 --D Z #C Z -C@'+C>,G' ! +GC ' ;QQM'
B ' ( ) 0 8;QK<(') 0 LN=! +GC' ' ' A ?@ @A'
EG' -?@' >+B-C'+-' +B@' #C A. ->+ A.Z -C' ? A' - ' A'
--D ' 4QKN ' '0' 0 ;<M 8') >.B >A E?A@D,' ' ' C.@'
@C @' A ? , +' JC- @D'+-'E@' ' ? A' +GC ->.B' ' '
D@ ,@C A' ,D'E@ + ' O&J ' 0 ") '@+ Z ' Z
A'[--,-.GZ+B@'->C A. ->+ A. 6' -?@+ ?@' ,,@D' +GC
AG'E>++@C ,G' -'+B@') ->J' $" (
$ >O (8 '? (?) %! 'QQ
!' $' (8!@@'I>-+((
;QS= ' ' ' 2$"-08@D'O(';LM' "@',@ + -
U A.' &- U@+ Z AD' .-+' A+-' ' A.'-' ! +GC' B-' C@'
,@A', A.' ,D' A' +B@' 5 @,D Z +B +'U@@J'+E@'C "-,D' AD'
/ @,,A.' A' +B@'%->A+CG' AD' -C U@A' &, @ Z +@ ,A.'
"-C @ Z % A@Z !B@@JZ AD' ,,'#+B@C' -C+- '% ++,@
iM' (T ' (;KK<8 @@' .V
M' $ 1(AD' &-1(('$1" '$', (3 $*($ '
$" %&& (3 .' D* ' +) DC A '
$-$(+GC J>.Z ' OC+ B' .@-?@+@C' ?-+BZ
)* , $' $" $$(
$5 1' ' .) 8 ' -(!'8;QMK(' OL' . ' B@C@'
J@ U'-' ' '@ +'*> +',U@'+B ' AD'- '+B@'& A'-C' ! +GC'
D A @' K)' ' +C'%' ($! >' ' 0 ' 'eLKM'
'8@D'O(=<< 'B@'-,D' +GC DC ? ' ;L<K' '<B .1 ' . $!(

A' .- + U A' ;KK< 6 2 ' & ' ;OM' B@' ! +GC'&>.'
;KLN? N ' ' -0555 0 A'B ' - C @ + ! +GC B J@'
$ 8'O ((' C&*' OQ ' ! +GC' C A' &@@J' -'@C'
+B@' C' "@ D Z AD', >.B'E@B AD'+B@' ! @A@

(*+0 '73='?701'7?
' 2 '8 C@ + C(' ^ Z ' C' -CDJ-Z @CAZ - '
$2 *&' !' '@? ,@ +GC
;KPN ' ' +C'%' 0 E0 ' ,0 'W LKP 8@D'f(=<Q
/ ->E,@'E@C?,- ' ' +GC AD' ' +GAC
' 2 ,=-- *40(4/' 0 0(' #5 ' $!('3$!(
< 1'7? $ ' $! ' , --'T 7* /
$> +) ' $! "' ' ,- 2 >GC Z ' ++ ->'
E@ +Z D'+-'B @'+B@'E-DG'- ' ', -AZ+B@'+ ,' AD'B-CA' - ' A'
A+@,-J@Z AD' +B@' @ - ' A' -,D'? A' ;KK< .3 ' 0
(($ " ' -C $ " $!(
(*+0<(+ ' (*+0-F =--' 8 '
' 2 '8 @+C@' U(Z'$0 , -' @ U' ^ D' +'
$! ,&(' $ ' @@' =TE G' $@ @?E, A.'
' +GC' B A.'+B@' B C +@C + ' - ' ' +GC
B C !0' $' 0 4 4Z=<Q' + 'C@JC@ @A+' &C J> Z
B B' 'A-+' +@D'!>@' ;KPN ' +C' 0 0 3E ! C'
' ,('JLO<4 0 O(LKK B@'.@, A> ' A'+B@' B@@U' , -'
-A,G'E@ -?@' +GC@ U'E@ >+ @
+ 2 '8 ? +,C @(' ^ ! ! a' '@? ,@' +GC
L ' ' ' B ') N 0' &' (C !!* 'O= ! +GC@ @'
> U, A.' +B@ C', ++,@', >E ' ;K<N $ 0 @ ;;' # +Z =LQ ;'
B@' >A@ ' -C' +GC@ ' .C- ' ' ', ++,@' ? ,-A-+-A->
(*+0 ' (*+ (4,4F =--' ('$0
(*+0 ('73='?7 T'7?
' 2 '8 + C (' C$ 0 , -')
E1 :1' ^? -D' '1' C' $ * $$ %0'$$ * $ '+-'
> @C C-?' +GC Z?'??7 EL 70 ' ' @@' = (G
'T' S @ @,G'.C@ +' @A@C@ ,'D@ C@' A'+B@' ? ,@'
, -Z % A-AG?' -C'C $* - '' 4 " 0 &,0 5(;KPQ(
9 ' $ - ' '' '' ,SSSZ O@ A.' J>+' A+-'
&, , +@C' AD' JJ,G@D'+-'+B@'$@ A@ Z + B@,J@+B'+B@'! +GC '
-C' -A+ A> ,' + AD A.' - '+B@' 1 CD' SK)' - ' '
) - &) '8:(Z '+B@' BG,@'E@' @CG' J,@A+ >;' +' EC@@D' '
+GC) ' ;)=' B ' B ' ,)(C ", (O(
' $' %"'=PO)+GC ' AD' G?JB-? A Z '@S A"') '
3-A-? A Z C@Z +B@C@ -C@Z, E,@'+-'+B@' -E*@ + -A' +B + +B@G'
C@' J A ,'-C' @C@EC- J,A ' @ + -A
%! 0 OKO<'C B ' $!) '=C C 0 '=M - '@>@CG'@ @C@D'
"+B' .-+'+B@'! +>CG '+-'B@ C@' B '+C . U@' @ A@' ;K=Q'
'C B ' & '&'' $' & '7U ';KPK 4 'OKP , +@D'
+B'+B@' @CG' +GC ' - ' >C - +G
/ 'T'#,D'+@C?' JJ,@D'+-' ' C @+G'- ' ! * $' '
$ 1,&)' "'-C',@JC- GZ -A' ->A+'- '+'B D@->'
JJ@ C A @'' = " (&,(5(;K<Q(
8;KK=' ?!$', $ ' C." 0 0($ " $ 0 (+ U@A'
-?@+ ?@' -C'+B@' @JC- GZE@ > @' A'+B + / @ @'+B@'!U A'
I> C@' '+B@'$->.BA@ ' - ' ' ! +GC a' ;KK= ' A'
, -C - *0 0 > .'O;;' ,@JB A+ Z! +GC Z @-A+ Z
@C @'-A,G'+-'C@AD@C'?-C@' D,G'+B@'C@ ,' +- '>+@C?- +'
? @CG' -A @ ,@D'A- '>AD@C'+B@' -??-A'A @- ' @JC- G
8 + C U)' $T >D' 1(PN Q + C)'
+GC)>@Z !' + C Z ,.5 -U' I D' '\$" ,3) (
C' A D' * V31 (' ('$P * & ' @@' 3:'
'$$ B0'&@C+ A A.'+-' +GC ' *0 +B@'@J +B@+'
7?+B +' J@ @'- ' C@MU'DC ? 'A' B B'+B@' B-A '
B E +@D'+-'C@JC@ @A+' +GC 2
S -!' 1 .' &) 3(? $;L' B +Z +B@C@' C@' @C+ A@'
, ++,@B ,@' >,,'- '+B@' $ " D) 3 *$' (AD')E + A'+B@'
A.B+' +B@G' @'.C@ +' C@!'J J A.' AD'D A A.' ;K<L'
/$ E+b+'6) '$!'O@D'8;K<Q(LO A' +B@'#,G +J I>@' ?@ Z
B@C@'+B@'&-?@'- 'A+@AD@D' ->C'&C X@ Z +B@'! + C I>@'
C .@DG')'+B@' , +'- '+B@?' OQQK # ' " .&!0
'O<N B@G'B D' , - +B@' +GC 'D A @V B B'
-??-A' ?-A.'+B@' BC A Z AD' +B@' J@-J,@'- ' C@@ @'
OOKL' '9 5Q (' ' (-CD A.'+-
+C> >'+B@C@' @C@'+BC@@' -C+-' ' +B@' A Z $,(& - ,(
AD' $" ,0 ;KS< . 3'= ! +' B@'%G ,-J ' ' ! +GC '
/C ? ' C A , +@D' C-?Z +B@' C@@U' - ' >C J D@ Z S,)S'
(Q ' $ $!0 !$ ' & '<!$ ' ;MQ 5 @' -,>? A Z >CY
?->A+@D' EG' +GC ' ? U ' OKQQ 9> 9+3' D ' !$ (
SSS 'LMN B B' +GC 'D A @' AD' C@A ' -A.' -?Y
J, B@D'8@+ a
+O ' 90 ' +GC 'DC ? ' 0
') ' ") ' $!' / D'8;M<Q(LO ?-A. +'+B@' &, G '

+'-' ')+GC
*1 E !2' '73='?701'7?
' 2 ' ,= * 4J 4/' $0 0? ' $ " ,3) '
,=--'L*-D / ' (!' P
P<N 4 ')' C ($!!'&%' $ '# +'=L' & > ' AD'
5 >B>' + -' ! +GC ,' -D ' $%+$ ' ') C! ' "' '
O<M ,, - @' +GC ,' @,,@ + >, + -A ' - '+B@C' ,U@' A+ U@'
$ OO' 'C $!0 O=L' B@'+C>@' B@ J ' '&, G' @C@' ,,'
! +GC ,Z8+B +')'+B@'&,-+'- '+B@?' '+B@' + -CG'- B> Z
+B@'%B-C> ' +A +@D'- ' \+GC (' OQML' ' 8 'C& "' '
) 0 ' ;==' A'+B '6A -A'- ' -? '$@JC@ @A+ + -A' AD' '
+GC ,'%B-CZ @' @@'+B@' .@A> A@Z+B->.B ? J@C @ + @'
C>D@'5-C?'- '+B@'-,D' C@@U'%-?@DGZ $' = ' 8 R
7' 0' (0 & -'8;PQQ(' <K B@C@' C@' @C+ A'
-E*@ + -A ' > B' +B@'D >,+G' - ' > + ' ,' +B@' C .B+'
! +GC ' +-A@
*1 E !21:' -E ' -C?' - '
@4 8 + C)('5-C? 'bJ S /6W_
+C -A Z'Q +GC Z' +@C -AZ'D' +GC -A' , '
K) A' ' -C?' +GS >,A' ^ ' $ " &' (3) '('
C'$$ % & ('$$ *3& ' ' A' ,,> -A'+-'+B@'
C@J>+@D' JBC-D ' JC-J@C+ @' - '+B@' J, A+' -
A ?@D a' 'A ?@. @A'+-' C ->'U AD' - '#C B
B@'A ?@' $") - ' $ ' !B 'E@@A'. @A' A'E-+ A ,' + A'+-'
' >E + C ? ' ;-C B D @->'.@A>' " p
$';=NN &,. &!- ' 0 ' 'QLO'A' ' $'4 'LOP'
'DC . A' CA' JG ' * 'O-+B@'?' ,,GD' +>D->A'S '
C) = 3 k S 8 PO<(4 Z! + C -A .C- @+B-ABG,,@'
\'J, GA@' @,D@ ' ;P)' - ' $- ' '8 ' / '! (QN'
B@.C@ +! +GC -A'? B@ ,,@D A'@A.6 B@ BG+@' +GC -A'-C'
.C@ + +GC -A' $/O>< ') ' 1$!' ' ;QO'$@D'B AD@D'
! +GC -A' ' ' ? ,' ,- @' AD'E @'B@CB@' ;MOP' !

[illegible]

[illegible]

[illegible]

! A-@ ,-A@') &= ?5 = .$ K $ $, ' 10
1Q >' 2 ' ' ' 3 ' ' I
' !2 $@ G ' "-1)-'
! $ $(' ' 1 2
3
$/J+ . 'OM; L' ! > @' ,-A@' A'B@CE@' S)' B
$- ' 1 '8I'/'!(K' ,, C ' ' ,,@D' A'@A., B'
! > @' ,-A@'-C', U@'-'+B@'B@D.@ ' ;PQ<' 7 ' $ 0
$! '8;MLL(P<L' ! > ,-A@' ' +' ' @D'-' -?@' A +@ D'-'
C, U@' < ' 1$! ' ,S' 'MPN ! > @' ,-A@2
-C': U'EG'+B@'B@D.@ '/ >@C'@ +@'+B@' + ?J@D',@ >@'E@@C@'
+B' ,+'B E2 -C' ' > @' ;M<<HI3 . ' , $ $'0< ! > @'
,-A@'B '? AG'3@D A ,'&C-J@C+@ ' ;QKP = ' &) Q
$)>'?&0SS '8;Q<=(LLL' B@'. C, U '?@6 A.'^ J@ @ '-'
CG ?>?aZ ,,@D'+B@A @'! > @ ,-A@2 B 'B@ C+ B J@D'
,@ @ ' ;K<M:' 3) ' ! ' 0 ,!) '!@C';<L' AD'
B +@'+B@', DG ?- U' C- ' AD' > @ ,-A@' A'+B@'B@D.@
! ') ' !@ .$ B+ ' Q' N $L' '
'3 '1 ' / ?' 3 $
4Q=Q = '< . ' & . '"M 1->' ? G'D-' " ,'+B@' F> AY
++G' AD' J>+' +' A+-'G->C' ! > @ 0- +' -C' 0 -A' ;QPN' "
9 .1 . ' (' &' $' '!@J+2'5-C'-A@' C+ ,@'-'+B@'J, +@'
B@'-CD@C@D'+@A' > @E- + ' OK=;' ' $-(3
-$ ' 2 ' B D JC@++G'A@ C,G' ,' +B@'-G +@C' ->+' -'+B@'
> @ E- +' ;K<0 '," !0 ? $, (&&. "' @D' CC@++(2
$), 1&$ ' ? ,' @ @.'-' C-> ' B J@' AD'D@ .A' A'
B B' ! > @' '@C @D' +'+ E,@' A'+B@' ,,> +C + -A ' +B@'
! > @E- +' C@' @C @D' A'+B@'D B
! > @E-S') h= !? .$,&!E 0 K$ 5 ' 1(^
'C'+ ' 106 '' 2
$
;PKK' $ * !0 % E'8 CE(M'7 BG' @E-S@ '?>)'G->'
E@'JC +, A. ' MQP' ' ,&%% ' ,&%'L=' 5-C' B B2'! C'
! @ ,)S2D- +'+B->' @@2 ! A @'+B->,+' ?, U@'+B@?2 '>AY
? U@'+B@@' ;Q=;') 'C$- !$' '-' AD' -' ' ?'
+-'E@'@SJ- 32 ?';2 D'E@ 2'+-'+B@' B-,@' -C,D2'EG' > B'
' ! > @E-S' 'G->' S&S-' 3 ' = ')' A' +C A.@'
% '8;KQN(' ';0;'!B@ ' ,'-- @ J2'G->'UA- 2 AD' 'C-?J2
AD' ' > @E-S' ;KQW $' '9 ' A'<$!$5"'4 4 '!PK
7B +'D@, .B+' +'?>'+B @. @A'+B 'B@' > @ E-S'+-'?)@'
+B +' A @C'+-'B@C'- A' +B@C
') ./**!0' $0 K$ ' '@'* C.'
/ 3 $
,'6_N = . 8 ' O'&%' $! $' '8;MLL(" '=E2 "@',>@'
J-A' & U,@D' C B-JJ@C 2 $AD' > 'D' 3> BC>?E ' ;MP;'
77' 2' *(e' ;MN B@ C' > 'D':>, J
+! > @ @? @+' 1(AD' $(1 3 5-C? ' ='
K -@,@@?V' =VM > ,@?@)' P' ,-?2),-@)'
,,@?@2 '@ 2 -@ @ A8Mb' > @,@?8@2'
M' @ 2'K , @,D8 (.?@2' @ 2' >)' > '
,@>?@2' ,@ ?2' , ?@2Q'K @ 2 > ,@ ?@2'
> @ ,@.?@2'P M' > @,@?D' !@@' ,-' 8 F
(' ^ '#5' $) %!- '@? J-J>, C' D'?@D '
$)-'%! -$'T' ,+ JB,@.? ' $!)-B A@>+' -'
' $!)' ,+2' D*2' O (C2 !' ' 1(
@,, A.'-'+B@' @' -?J A@D'EG' A , ?? +-A2
>JJ- @D'+-'E@'D>@'+-' ,+'B>?>-C
,-'A'+C A , +@D' -C?' $!%!) - ' ' ' E
'^;L<K 3 '?$ 0 'C0' 0 ' ,S'8=eP(C *2'% C'
E>A >,> -?@(V-' U@' ,@ ?@a');=NN' A' ' (
('59 ' AD'-A' A'+B@' ?GDD@' -C B@ @D@2 5-C' ,@JC@ > '
,@?@' ?-+'E,@D@' S=!-' ( ) 1 ' 8!>C+@@ (=;;M' " '
@' 'D@-C?@D' AD' E-,AGD' AD' +B' C@D@' ,D@?@'
>-+AGD' SW=0X) .'?$ -(C * (Q;' +,@'JG?J,@'-C'
J> B@ 2 >@E@' '-'B-,@C@' AD' , @,@ .?@'E>DD@A'->+' A'
+B@'A- @ ' AD' @'-'? AG'J@C -A@' ;PKM' B1 ' &)3
$' ' &0 ' '8;MQP(;=' ! >C B@ 2! ?@2-C'$@DY
A@ '-'+E@' @' ;P<Q'<) ' 1$!'A' SS 'QMP'%>Y
>?E@C'^+B>'JC@J C@Da D-+B'J@C@ +,G' >C@ ,'? AA@C'-'
@,@.?@' AD' -JJ@C' @ ' SM-S' .)'C!'"' '
4;L' B@'C@D'J A+,@'-C'W> @,@.?@' A'+B@' @
+$ $ B0' '1 ' $
);LKM' B 'C &!0 MOP' '!-?-A->C' '+B@C' +B'
A'+B +' J, @' B +'B DD@' 'GC'C@@D'%B@C>EGAA@' @'^-C'
,@@?'B@' ' +B'@G@'A C @' 4P=0 '" $ "
4' 8OKQN('OPQ' +'^ B@Ga'D-+B'J>C.@'C@DD@' -,->C2?D' '.--D'
-C' > ,@?@' @ ' OP=Q]'? ($! 'DSS2' ' >'
,@>?@' @2 B B' 'C@DA@' E->+'B@'A- @ AD'+B@' B@U@ 2
+B' ? ,*JG?J,@' L% '#'9) ?.0'C " '
;MM'5-C' '$@D'. ?2-C' ! ,@ ?@' J@'-,D'-C'A@
C 'SRU O+8+ ? J
? '> * O+8+'(?$
S=!-'V' 0 '!$' &) 'S M' 7 GA@2 ? U +B@'+B@'> .@'
,@' U>?@D'C@D@2 AD' >,'-' B +@' E@,U@' ;P<=' A'
,$ ">' '$ 0 8;KKK(JJ' S2 OO< J@' GA +-' -JGA' -C'
J@' A @ ,@?GA.' A'+E@' @' 4ML4 8 ' -0 "'
* * ';=P B ' > @ ,@ ?@D'J-C ?+A@ 6,' E@@' ? AG'
+?@'?-A +C->,G'?, J@C+
/ ' ! $ '
') 5 ./$0 K$, '101* :
3 ' ' S / ' D8 0 " 2$
SKK' = '%'5'9 . ' ' MQ'!@@U A.' 'J, @'
^A' @ '1-CUa' B@C@'B 'UA- ,@D.@2' ->,D'B @'E@@A'
JC X@D'EG'@S ,@D'5C@A B?@A' A' >)@ ', AD' N"$ &' '
>A@'MOO @A' @' ->,@'E@' A'? AG' G' B @,@ ' AD'
A JD' A'+B@' E @A @'-' ?+B
H' / 10 '$0 1 0 'M 1 '
2 / 2 / 1S /M "/ 2 $
K> ' ' 'S P+8+$L 5 "
;=' &,. &!-' 0 0 J'=' A' , &!& $' 4 4 4 '
=OO O --D' -C' ,@?' U EE@'\' ? AAG' ,G?G ' %4==N
C &-*0 C$ 0==O 0! @,GA@' ' , 0 @,G?@a'
' 0'*$* ' 0 2 'M B@' @,,- @' +B'+B@'- ,@'
> ,G?@' @' ;P=O L' ,'L= LP' & 2 'K B@'+-A@'
> @, A' AD'?-C@ 2 AD' > B@'-+B@C',GU@D @ @
: M = $' 1 0 $ 3TT(K$ T $), !"')$
8 ' 1(I** 'C'1* ' $
OPPO 5 O +G' 7 A+-AA@'-C' > @,A@' A' UGA.@'-C'
,,PH5"' (* &,$, $ 0
2/ ! $ ' ' , !
'

?'! > @'? , J@C+' 1(0 --'E <-0 8 '
;'Oa' ?J@C+A@A @2 A -,@A @' "@A @' '! > @'
? , J@C+,G'$ ("' A' '? AA@C A -,@A+,G' E> @
S) '= ')**!,(&)!"'7U 'LNP O "@' @+B' ' .>C@'-'
! '+B +'?@A' ,' @'? , J@C+' ;PPM':' ( )M '
* ' % 0 S 'Q=' -+'E,- A.'B@A -C+B'8-' > ? , J'
J@C+, @(3 G'? +@C' AD'? +C@'?@ +@
+'! > @ ?@D,@G' 1(^ JJ' ' 5'T $), '
- ! "' ,+'T'? S@D' > @' a ' -A - + -A2 '? SY
+>C@' -?J->AD@D'EG' C+
' '8 " ' $! '>' -(-(MQK ;' B@' & J +'
E >@'? D@' A' B-+ B@J- B@' AD' ' @'?@D,@G'-,G@'
+B +'+B@G'E >@' C J@D'+-.@+B@C' C-?' ,,' -CA@C
! > @ >'8 e'! J A(' ^' B ' 1(N 'LI IV
%$ A'@ AG'>@)'T' ? , U ,,@+' +B' ,-A.'B AD,@2
A' B B' > @' -C' ? ,,'+B A.' C@' E-,@D'' 8:('
,-A.'B AD,@' JC-*@ + A.' C-?'+B@' D@2 AD' > > ,,G'
+B' , D'+B@'>+@A , ?- +' -??-A,G'@?J,-G@D'
-C' >, A CG'E-, A.2'@S @J+' -C', C.@'*- A+'-'?@ +
S & ' &' 0'<$0(-'O;ON)' -' ! , @C' &-CC A.@C 2 -A@'
!, @C' ! @ J A' ;M<Q' ' 8)' A'C !0 $' 0O SQQ'
=MK 7 +B' +B@ @'&, +@ 'B@' ? U@'5>CA @ 2 &-+ 2 ! > @'
& A 2 \ ' 4Q)' 8 6' , 0 '8OQP;(LK 'G->'B @'
'!, @C' ! > @ J A2 AD'+B@'O>++@C' ?@,'- !?- U2, G'+E@'
5 >,+'>J-A'+B@'%-,' OKSQ) ' = 7 ' $', '8;K;K(
')P' "@' ->AD' B '.-,D E@ D@D' A@2'W ,)' > @J A2
,>. . .@2'@ @CG'+B A.' A' B-C+' A' $)'D)&( )XKM)'
) 0 0 A' 2 ' ->,D'C@ -J?@AD'@S ?A +-A'-'+B@'
E -A' A'+E@' >@J A'-A'+B@' C@' OK<0C & & ('' 0 , '
;Q=' ' A'-,E +B' ' ? ,' + C-A' > @J A' A @C' @,,
N' BC $ 0 8% ' 8 ' 10M(
$'u 'O'V0 0 $' 0 2 ' &) ' $), 3C$"')' '
& (G->' C@'@S @@D A.'E-,D
O'$! 10 ' ' -1'&') 1*$'3 : >-@J +A'
%C E2'+B@' C E' -)!) 'CD%"* -) (+B@ B@,,'-'
B B' '6 @D2 A'+C-J ,' ?@C 2 -C' , D,@
S& S J'/ ' 'C$)!' & >' $) ' ,2 /-'G->'
,,'+B +' > @J A', D' ,@ A' nE@ >!@' 'D-A+' ;KK=) '
&) ' - 'MKQ '9 A.' C E C@' -?@+?@' ,,@D'+B@'
B-C@ B-@' C E' ' ,-' > @J A' ?E
! ? @@ '8 e <(' 5-C? ' = M' K@C8@2'= K'
K @C8@2' P' @ @>@2' > GC@2' JC2'
- -@C2' P M' , @C2' ,(, C2'P2'Q' > @C2'M'
@C2' @@C@2' @C2' ,-@C2' ,(2 M Q'
@C2'=)' > @C2'^'#5' $) '? 2 $)
@?'8?-D5' -A,G' $', 1 + @ @,' -C B-,D A.'
> @2' '$ - ' ' 1(%'!J'$ $(&.' $!3
$"' +' $! $"'?@D '$!)- 0H
'%$' 'C@ @J+ ,@2>> ,,G'-'?@+ ,2 -C'B-,D A.'
+B@' -AD ?@A+' +'?@ , 'D B'-C'D@@J'J, +@' A'
7B B' ,+'-C' > @'7@C@'J, @D'>J-A'+E@'+ E,@
OL ' & (O)<' -2 +G CD2' CA@'+B@2'OG@'>'
@ @,'.C@+'J,@A+ 2 ,) B_)2 >JJG 2 AD' @C)' ,';L=N
&-' '$!'8!U@ +(PNL' /-E,@C' > @C-' ,GC+D@' O=' '
&,0 A' 7C 7A,D @C'MOM <'! @ @C@2 $! $)-(4=L' A'
X(' (!!'8OKKO(X- 2 * > @C@'-'J@ >+C@' %O=K4' L"
$!&) 'QL;' J ' ?>' +'G@'E >@' &, +)' - ,GA2'
/ B@!2 > @C 2! ,,G@C 2+C@A B->C ;=KK , (
$ 0 ,&(*'KO +@'A2'+>@,' , C ' OPN= A'?E "'6)!'
8% ?D@A('<Q' +@?' ,G,'+B +' +?GA'@S@ >+@ ' B ,' .@ @'+-'
SS ' ? GD@A 'S +'J@ G'-'J@ +GC2 +B +'G '+-' @G2 6'
J, +@C 2 ' DG EG)' AD' @C ' OPLK A' (
)** 0 &'$ '8% ?D@A(OQO' +@?2 *'J, ++@C)' '
DG B@2 AD' ' @ @C@'S;*)' OP=' 1 ' 0 8;K==('
OQM A@'J, G+2 'D B@2' (C2 ' B AD,?*-'EC @2 S')
) ' +C') ' ,&) ' -"'V0 '*$ ' / B@ 2
%>JJ@ 2 ! @C ')OMNN ' .B ' d ('LLK B@' -?@A2
.-A.'+-') @2'D D'7 @C E->+'+B@ C. CD,@'J, +@'-',-,@@C'
'EC- D' ' @C' OMQ=' '&'@+ ' ' 0=' (&&.'L;'
AD' @AD' +B'+B@'!@C A.'+>J' -?@' ! > @C'-' C@@A'
> @' OQOK =0 . !' $), (' ,++,@' / B' +-'B-,D'
! > @
/ ' AG' ? ,' ,,- 'D B'-C'D@@J'J, +@'-' C >Y
, C B J@' - ' -??-A,G' @,+' ' A' @S+@AD@D'
> @'-' @A @(L)' @
!-?@ B +' J@ ,X@D' JJ, +-A ' >@' 'C@ @J+ ,@'-C'
+B@'E,--D A'E,--D ,@++ A.'8)S(' ' ? ,,'@ C+B@A C@'J, +@'
-A' B B' U@' +@C -,->C' C@'C>EE@D' A' +@C' ' B ,,- '
@ @,'J, @D'>AD@C' ',- @C J-+2 -?@+ ?@ 'B-,D A.'+@C+-'
E@'DC' A'>J'+BC->.B' 'E-,@' A'+B@'E-++-?'-'+B@'J-+
;MNQ' 0' ' !' $ &C@ @A+,G' @' &C-Y
A-+ CG' +C JJ@+B' J' ,@S AD@C' ,@@>@' AD' ,@++@+B'B ' C?@'
E,->D' A' ' B@@C' OMSP' '?& "'& $''OP=O,--D '
U@D' ' +' 'A' !' @C +@C'E,--D ,@++ A.' LMLN) , 2(
',,(C ' &'(@+ '8!>C+@@ (;K= -'B+,@'J, +@'-C'
@C' -C' CG A.' AD' @++ A.'+B@'EC@ D'-A' ++2 +'+B@'+G?@'-'
+B@'%-??>A -A' OMMP' A'C !0 $' (;SK' B@', +'0,--D'
'C@ @ @D' A' ' ! J@C' ;KNM 2 :2 1) '
) -(' %'('S4S 2 $>EE A.' AD A' AU2 -C' D @ -,->C 2
A' ' @CG' ?--+B' > @C' ;KOO B) ' ' ,!($ (LOK
E@'5,-7@C'&-+! > @C' 'B' A+2 C >, C' @ @,2 +B' 'C ?'
C-?'-A@'+-'+ -A B@'B .B' SK)' ' $'($ '
SS 2 '!> A+ +G'-'-C A.@'? C? , D@' JC@ D'->+' A' ,++,@'
>+ ., ' > @C' SKPM 0 1Q ? ' '3 0?.(#^ %' B@'
J-+' 3 D' @@+'+-'U@@J' +B@'DC A'B-,@' E- @'+B@' +@C A' +
-??-A' > @C' AD'+B@' > @C' -C' -??-A'J-+'E D' ', +
C?'A D@
$' %0 ;M4P ' !' $ (;QL' B@' C?@A A ' A'
+@ D'-'?>D ,' A +C>?@A+ 2B @' ! @C'-'EC) @'8 B B'
+B@G' +C U@' . A'+-A@' A-+B@C(@+' E->+' +B'. A.,@
E/ C ' .' $), ' J 9' ,#'
!KPP'& !9O' ' %C % - ''OOO'& AU'! > @C
' ? ,' C->AD' B ,,- ' @ @,2 > > ,,G' +B'
-A @' D@' AD' , +' +'+B@'E-++-?2> @D' -C' >J'
J-C+A.) '>J'8@ J' '+@' -C' -, @@)>J(2 AD' +B'
?.' AG', I> D'+B +' ? G'E@' J ,,@D' C-?' +
;QPL' / '<$' &''8;Q K;(' S') ' / - A' @A+'
B ' >J' AD' @C' OQQM O 9 'A'O- @,' &''8OQ<O(
6 ' KM ' 'J-@+'B D'+-' J@ U'-'F>@@A'% C-, A@'DC AU A.

+@ 2 B@'?>+'@AD@ ->C'+-' -D'+B@' >,. C+G'-' >J' AD'
> @C' OK=N = 'C&& '6$,. S ' / -A +' J->C'G->C'
+@ 'A'G->C' > @C] +B +') C';KMO:'$'< ' $'0
-0V ' 0(& ! '(MM B@' -A +C +-A 'D@@J@A' >A+,'
+B@'!+C-E , 'E@ -?@'A-+'>A, U@' 'J ,@ - '>J'-C' > @C
]$ = 1 4(*)-'L60(=-=' ?' 8 '
B '> @'-C.'E@,-A.@D'+-' @A @' % ' &'',@'-V,'.C AX'
-?'D@>' > @C' ?& ' ' $2' &' ';QMN 8OL+B' (
A/O' 1' . $ 0 ' 'K2 "@C'@G@', U@' ,>@C' > @C'
GC@' E@ @+' 7 +B' B A A.' ?E@C' AD' +B' B DG' ,@+2
;)PL') ' ' '<$!!$'' ' * 7@' ?@+' +BC@@' -C' ->C'
B>.@->'>.,G'/@ , 2 +B' G@', U@' ! @C ' ;MQ< (
" O 'L' B@'@G@'-'+B@ @ / -. ' ':@+X@C'+B->.B+22 @C@'
E..@C'? A'! > @C' OQK<9 . '8C'& AD C(' &' '
NL' 7U ' K+M' 'OL '+B->.B+' B +'+B->' 'J C'-'B-CA'
B D +'.-+2 7 +B'@G@', U@' > @C'+ C A.' ' OKQM 0' ' Q
'>' $ "' $! 'OOK B@C@' +'+B@'D-.' +B'@G@ ' 'E.'
> @C 2 . C A.' +'B ?
$ ' $* " (%'# ! ' 'Q , ,"'N $
OMKL' 1 ' '$ 0 & ' SS '8;MKM(MO AG'-'+B- @
, AD>,@'+B +' C@' , @D' &"! &' ' -C' ! @C ' OMK=+C'
?&' >' ,(&-* 0.'O!,?G'B>?->C' B B',-- @A'+B@'
@+ E>, '8-C' > @C (-'+B@' -?E
!$ X& 0)E$1 ' 6'1' $:1) ' / :!)4'1' 1 2 '
1 ' @'!)A : 2 ' 6)* & 1 $, (1)%' @' 2:'
6':!2@) '!)' @!2@ @' %'1 '!/ %% %
A/>' ' ' &&' ' 'SS S'LPM B@' ,- @C' C@'G@,,-'
AD' .C- '->+'-,+,@'D B@'-C' @C ' OQ<M 9 7'
? (C!$' '8@D'L(LQN B@'C A.'J C+ ,@2 B B' 'D@ +A@D'
+-' -C?' -A @' > @C2 E@ -?@'B-,,- ' AD'.C@@A@' +'+B@'
+-J2 +B@' > @C' E@ -?@' , C.@C AD' ?-C@' AD' ?-C@'-J@A'
+',@A.+B' +'E@ -?@' 'J@A@%+' > @C2 @+B@C' ++ A.2 -C'
>JJ-C+@D' -A' 'B-C+ --+' ;KMO 8 ' ' 'OQQ' A'
/@ADC-E>?' BCG A+B>?'+B@'A@+CG' -A '+'-' ' B ,,-'
> @C
'))K' <)'A1 ! ' J 'X
;Q=Q " --- ' ' >' 0($2, (+B-@'C->AD'&@ @'
-'C-A' S+'-A'+B@'! @C B--U 2-A' B D'+E@' @ +B@CA'
!> U@C' C@' J>+' A'%B A &>?J ' 4QPN . ' " 0
5*& & ($), (C@'C->AD'+B D'&@ @'-'C-A2-A B B'
+B@'0?AD,@'-'+B@'% J+-A ' -CU' OQ<= ' '=' $-'$'Q
*' 'K' $), ('E-,+' +B' , +'B@) ' OKMQ '
$!& >' & 31.0($), ((($ - U@+' -'C-A' ,@+' A+-''
7 --D@A' +- U'-C' + AD CD +-'C@ @ @'+B@' J AD,@'#C --+-A'
B B'+E@' J + A'C@ +' AD'+>CA'C->AD
!?$ 1(' &-1($' C! ' ' ' /
' $), 3 &&.') ' +:' !$ ' '
') ' <./ ' $), 3,$*('3 &- ('3 " 1$!!(
3 $ ((2 / ' $), 3 $ "'3 $* '
5$@ ' $), 3! . ' 5$ ' 3$
SK)'%' - ' ? -$, ' ;'OQ "@'.-+'B ? @,'>J' A'+B@'
+C D+-A ',-A. E-+\' @'+'* U@+2 AD' > @C' J' SK)'
-'(<$ (Q # +'K O'7-CU'B 'E@@A' E@.>A' >J-A'+A@'
+B CD' > @C D-?@' OSQLO < ' & "'&%' **$ &''<
7U 'OQLQ ' PP' .B+'C- ?A.' .B- + 2 EG') >@?C'@@GY
E ,'UA- A' ;KOP $!,&' ' ($ ' '8@D' O>CA@G(
) '?&!(B- @2'A @'-??-A,G ?,'C->AD'B@ D 2 -?@Y
B +' ,++@D2),@D' W> @C B@ D ' 1 0(T $), 3 $
?&! 0 ;KSP ' '<)"' 0 L8US 2 ' ?> U,@'.C@ +' > @CY
B@ D@D' >+,>, .@D' + A@2 +B +'+B@G') '%B C.@'%B> U,@'
A%/% B.9 ' &'& - (Q)' B ' ' (@ + +-A' +B@A' -'
.C@ +' ! @@C , U@@G@ ' A -' . A +'+B@'C>-@'A ++ @'
SKM+' !& '73% ('SSS 2 #A'C@ B A.'+B@?'+B@C@'
C> + 'C D@C' '@G@ '-J@A@D' > @C , U@' ;K=Q<' & ' " ,!(
'$ 0 'OOL O +'+B@'E-++-?' +B@' +> +@D'
> @C B +V@D'E-DG' O<N;' ') ' OQ :>,G'OLO O B@'
?@'D >C B,B ' > C B J@D'J +@A2 ;MPO
2 $ 6 >,,G'* 0) @J' ', C.@'
AD'C->AD' !' ' A @C2 .@A@C ,,G' W C E@D'+-' J@ +C@'
AD' .B- + ' % ' ' =
OMM= B. ' ' ('A'';LO !-?@'B?@'? + U@A'0,- U'
AD'&- + 2'5-C'!J@ +C@ 2 JJ C+-A 2 B- + 2 7 +B'! @C'
@G@ 2 AD' "-? ' ;QSK' ' $' ' $ 'QQ' B@D@ , '
7 +B-+' >) @G@' -C , ' U@' 'C @ O C +@C' +' '
SK-K 9 . ' 8&' & AD C(' '-& 'C *'$' &"0 ,$ 0
7U 'L A 'LQ;' 7 +B' ?@ ,G \ @' AD' > @'@G) ' A J+
X' ' &!0 0(* '&% $** & '(/-A+' ?J-@'
G->' A' J ,?'- 'G->C' > @C @G -A'?@' OK=P' '
+C' ' $ ' %& 31 '9'ME2 "@' +C> U'+B@' ,A+2
AD'+B@' @,, UA- A'D-.' ?' > @C @G@'+--D'E@ -C'B ?
!$ 4 $' %(
OK=< !H+ ?(' ($5!3 &$, >T P(;KMO L M B@'
B>.@' > @C'@G@'-'+B@' ,2 E, X A.'+BC->.B'+B@'--?'
!-' ! + @C @G@D'$0(B A.' > @C @G%'
M @' = 7 '\' ' 0 $ 0 ' ,+2 %,-G@A'
--+@D2 O, U@2 > @C @GD@2B 'A- +C, 'EC@ +B A.' C@' OKKL
') ' A' &' -0 $ 0:>,G'OMK' +B A' > @C @G@D'
-? A'-)
O> , 0 P'* 86 :.' 56' E47 @9GRC?' '
/ 2@'1 '6!:: '1' 1 2
SKM-' # ' 7 ' ' . ' ! ' ('KQ 7 +B' ' > @C >,' A'
@ B'B AD
' 0 4 1% .' 56' &' ' ' '
1A!)4') ' 1 2
OKLO . 8 ' 0 &)' ' &'' '%>J 2 > @C,@'
AD' B JJ@D' OKQL' ' &$1' 'OO BC@@'B AD:@,@ 2
> @C,@ 'E,>@'B A ' >J
2$ 1 0 5-C? ' P' , @C @2' P M'
-@C C8@2' M' , @C @2' ,@@CG2' >, @ G' 2
+?@CG2'K , CG2'M K' >-@CG8@' ^ '#5' &) 3
(?@D ' $! $ $(I' #5' $) (?@D ' $! $'
10J @@' R
%$ -@'%$1 /)' 6'1'@ @ :%') %A!@
@'$ $1 1!)' 6' 1 2
)<0==)' A' &) (0 8;Q<N(LK B@C@' 'A-A@'+B +'DGA@+B'
A'+B@ C'- G@@ 2 ! A.@'-A@,G'+B@'%--U@2'+B@' >,,@CG2 +B@'
@CG@'^@+ a2 'A'C 0C) '25*0 !O0 & .'8OKLN(
O -'E$' ! > ,@CG'S ' OP N A') !$ ' 'C$* '8% ?D@A(
=N +@?2 +B@' U> , CG' AD' @CG' OP=O ,'LL' '((
'O@'L' B@' CJ?@'-'+B@' ! , @C @ -' '+B@' ?@'B-> B-,D@'
E ,E@ C@DG@' +B@' GA@.@C' AD' -,D ' @C' OQNK ;'
0'<0? 0 ' ,'S '8OQSN(;OO A@)'C' AD'
-,D' 7 +@C2'EC->.B+'EG'+B@' C%-?'-'+B@'! > @CG

[illegible]

[illegible]

[illegible]

' SOG$

J@CB ' B-C+ -C -?@ -?E2 -'P !-> a 'B C@D
?->CA@C +' >A@C ,

[illegible]

$ &!(';=Q;' A C&!0 C& -'8$-,, ('OQK +' ,. +@
+B G' +D A' A' ,,'@ ->A' 4=)' L '$" '&%' -

[illegible]

O' ' >A+@C A.' ? AA@C - ' ,U A.' ',@ >C@,G2
C@,@ ' . +

[illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible]

? A> +>C@ B@G C@ D D@D A+- + - , @ 2 A +B@
6 ! UA- A "' $) $ B B >C@D JC-D> +2 >E
*@ +@D +- JC- @ - DCG A. , + A. @ @C , @@U 2 AD
% -C 2 $) $ (
?&!& '$ $) $ @@ . 7 C&!&' $'"%&!&'" $)3
$ @@ . H < -$' $) $ H @@< $@=
- ;= &,0 A 7C 7 , U@C MN< P $! , $ % '
, + Sa2 G.@ ;PPL) $ (2 ' 0 8 CE (
O< 9@J A. + A @C+ GA@ J U,@ @ D- C@.-++@ -C >
.@ ;PQL I 4 3 C) ' " J>DD A. ,,@D
@.@2 &-$,)!)-0);PKP 9 7 +C ,.&T
!$"> "d (S =M %@C+ A > @.@ AD -+B@C)-D C@
C@ B?@A+ ;PKM 4 8.) 0 !!& %*2 B@ @> ,
@ +@A > @D.@ ?@ .> B A. ->+ +@C ;P<K *)!$ &
% *2 - ? U@ .--D ! > @.@ - &-CU -C -+B@C ,@ B
;MSQ = '(QN ! .@ +B@J->AD +@A -, M)S
&' ("(? &2 ' % 6) L2 "@ EC->.B+ +B@? - B
"-, A@ @ EC@ D2 AD A@2 AD -+B@C C C+@ 2 O-,-.A@ A
! .@) AD > B D A+@ 2 , ;M=P ' 8 .. (8;MPN(
I SSS + 4Q= !B@ ?> + .- D-CAD +B B A@ - ! >
.@ 2 , $>++ 9 1 A?$!!$ (4 4 4 ;OO 1->C
E@ + #S -CD !-)@ !QPP # ! $) $ C-,, -C
E ,, ? D@ -??-A,G- J-CU -C @ ,2 AD -?@+ ?@ - E@@ 2
? A @D @CG ? ,,2 +B ,+ AD J @ -?@+ ?@ +
+> @D A+- +B@ .>+ - - , 2 AD -?@+ ?@ -A,G C-,,@D A
,- @C2 $;K=P A--/ $) $ $. > < L= - ?@@+
+B@ ,, C-? +C@@+ 2 AD, A@ 2 AD J .@ 2 5-C C + B-J
.@ g ;K=K "&% 0 $ S,2 "@C A.@C
@C@ ,> @ - ? AG > .@ ;KPN $ (&*"(2
&--C C DD,@ A + .B+2 UG E,>@ > + +B + ? D@ B+ C?
AD ,@. , U@ @C? A > .@ ;K) C$' &* &'
L<N &B@ A+ > .@ 2 D@, -> ? S+>C@ - +B@ + - +B +
E CD2 B-JJ@D @CG ? ,,2 AD ? S@D +B J@JJ@C ;KML
7 % + M ( ) ' ' 50 LMQ2 ? D@ B@@J A+-
> .@ (D (!)!) ' !) - $N --U
B CJ 2 @ B@(> +B +B@? +B@C@ - .@
0 EI ($ (N < B@ C> + ^0 A A a
,-A. A)B -A - ->, .@ ;M=K *) ,(
(;KO A 0-,-A ` +--U + +@ - +B- @ ?-> ! ,+
.@ 2 +B + C@ -?J- 'D + 0-,-A
/ $' %(JJ, @D +- +B A. B A.
+B@ JJ@ C A @ - > .@ -C +C A. - > .@
4MPN 7 / +C &- ') <$ $ 0 E ' (8;MPM(ML & C+@D
W + @C@ A+- C-J@ 2-C)D.@ ^ + '6) ' $) %$,E
- '$H B B +B@ A +-?E+ ,, ?> +,@ %M b &51(
?$!!(8;KKP(P<< B@ C-A !)@ @ C = 0 (@++@C a
L 0) $ (2 &'. " 8;KKM(Q< B@ U 2
B>A. + >,, ,@A.+B C- +B@ DD,@2 .C@@A > .@ S
@@+ ,-A.
E JJ, @D +- @C+ A U AD - AD ?EE@C)
+JNL - 7 5@E]0M AD $>EE@C] 3-X ?E I>@2
.--D + U,@ ! > .@2 L) > .@ - +EB2 # (* (
$ (%< , - \(
;M=P ', &' & & (7 B@ .>C@ &C@ @A+ +B@
-C? - ! >DD.@2+B@> @ B@C@@C +- @ >C@ +B@ ->AD Y
+ -A - 7 -CU@ A 3--CEB .C->AD ;MKK) ("
- &) " S 8$-SE (;NO O ! > @ D.@ C@ +B A. ? D@
-)-++ AD EC> B --D +- ,, J D + B@ 4QN=R (
5(, '(2 2 - - +B@ @ ! > D.@ C@ -??-A,G
JJ, @D +- @ @CG 3 A@2 +- +B@ @AD +B +) -A@ B->,D ,2
+B@ -+B@C ? G + U@ @ @ + ;QML $ " ! ($' (
' & $' OQM @C*@ A+ - C+ ,,@CG2 CCG A. E CC@,
- .>AJ- D@C +B ,-A. > .@ +- +2 @A+ -C CD ^@+ a
;K=P 7 " : M ' & &! MP @C.@ A+
,@ J@D >J-A +B@ - @C@D G +B A+@A+ +- >+ +B@ > .@
- +A@ @A@?G' ? A@
T $ 1(AD &-1T K ?J,@ ++C E 2 A
$) $ %$, & " 3 &* E -E*@ + @2 A $) $ 3
-$. (3 !! (3) %% , - A A ?@ - JJ, A @
> @D A ? U A. > .@ 2 $) $ 3,) (3% !! (
3 ' (3-$, ' (3) %% ? , + @2 A
$) $ % ' (3 $* D*
4K<4 ') " 0(T $) $ 3,) " ? B A@ -C >++ A.
> .@ ?@ + ;KLQ F 9 C ,. 2 ,. SSS 2 %@,@EC +@D
"! .@ +-CG'2 D ! ? 5E T (.0(
T $) $ 3 !! (? ,, ? B A@ -C +> A. > .@+?@ +
A+- A+@ + A@ $! 5 1($ $!(%%RON ! > .@
5 ,,@C \ I \ 8 9 ! ']= &$ 7 U %&RR 4 MRN
B@ -,D > .@ A.@C@D O@C, A .,- @ ;) P T (
((T $) $ 3 ' (? B A@ -C ? A A. ?@ + -C
> .@ (M + 0 - 0 8@D L(2 T $) $ 3
-$, ' (? B A@ -C B-JJ A. -C ? I A. ?@ + -C +B@
J>CJ- @ - ? U A. > .@ 4Q<Q ',",!(? 0 N%NO%
B A@ +B@ -A - %A C A> > .@ ? U@C ;PQO
(, 8@D " . A (2 ! .@ @,,@C2 -A@ +B + @,,@ B
.@ 2 $!!$' &*&!$(;KL) ! ' & 0?& 0 8@D L(
=P=T $) g 3 * &)!- ' + ,-A.2 G, ADC ,2B-,,- 2
>C @D A CD + @ B @AD +B@ -C-,, - -?@ C
KP< F 9 : 2 + +B@ > .@ B-J
;KQ T (1! , 0(T $) $ 3) %% (D@ @ -C
+> A. ,@ A@D A+@ + A@ +B > .@ ?@ +
D !J@ , -?E > .@ >C,2 >C, C@Y
@?E, A. > .@ + > .@ B- @2 B- @ J DD@D
- +- C@ @?E,@ > .@ > .@ XA@ +2 ?@ +
? A @D AD J @D +- E@ > @D A > .@ -C
+> A. -)AC) > .@ JJ -A2 J@ >, C
J+-? A@ -?@+ ?@ D@ @,-J@D A > .@ -
> .@ J- -A A. > .@ C-6 2 > .@2 -C
C-,, - > .@ ?@ +2 @A @,-J@D A - @C - ,->C
J +@2 AD --U@D
5N $ O<K 3 @ A +B@ C' O-> ,@ D' A
.->,@?@ 8 A., @2 > .@ >C, (;K<< : 1. 7 $!."=N
B-2 A .C G U C+ AD . - B@ +A>+ > .@ >C, 2
C@JC@ @A+@D +B@ 7 D- SAU@G ;MLL O # $!
)1 * " ,-A. @D.@ B- @ ;KN;M ' B
)! '$ 8@D L(=< C@I> C@D2 +B@) > .@ ?@ + ? G E@
J>+ A+- U A 2 ;KQM \ <&! 0?) %!" S 2
- -AD@C2 +B->.B+2 +B + +B@ ?@A B- C-+@ +B@ @ +B A. 2
@C@ B-JJ@D >J A+- >)@ ?@@+ ;K=L 3
" (! ' 0 (A+C-D @ + L= A +B , JJ@ C
? ? 2 -A+ . -A 2 +B@ ? , C I .@ J- -A - >C
+@?E>C. ;KQM 7 2 . " ' PNM C 5->C
B>ADC@D @ - > .@ J- -A,A. C@ + +@D +- B @
- >CC@D A 7 -C+@?E>CX ,-A@ D>C A. +B@ , + +G G@ C 2
KKS " (&,(5((!!$' $ (> .@ J- -A A. SKK

: 7-00# ! ' 55(CA-,D2 B D A-+B A. E>+ A
.@ C-,, -C B D AA@C
! > -GC@2 ! > @2 -E 5 B ! B
! > @D.@2 -E -C? - B 7
! + K@ ,@ ? 8@2 C A+ B 6. 0
! > @A J2 C C@ C A+ -C? - 1 (
+ ! 6 !@C, >. 0 $ 0 , - GC,GA.
^ B 8 -A+C +@D(i ". 7 OV > .@
;=Q! C 0 &,0 A 7 C 7 , U@C QK< O< , !!$(
GC,GA. ;PQN 7 9 7 !&' &) ! OP=
8OC AD (2 B@C@ E@ .--D &-DD A. + +B@ .A@ - +B@ &,->.B2
1-> A@>@C D D @ +@ E@++@C ! > @C, A.@
! > ,@8 (? @2 73= C A+ 8 3(2
! > 8D(.@2 ! > @2 73= ? 8 C 8
! > +B@C2 C A+ 7? 8 0
! > ,G ? @2 C A+ 7? 8 (0
! > .@2 @.@2 73= ?701= 7? 8 C
! > @C2 73= ?701 7? 8
! A A C +@ 8) >C +('0 ^ ?@D +@C
&C- " O D@ $)) 8;Q=N <<(B- C +
D@ C E@D + @@ a @CG -?J + C @+G
- X- +@ , - &- 0 > >C +@ . EEC-2
C @+G - . EEC- A B B +B@ -?J-A@A+ @,D J C
AD D ,, .@ B @ E@@A J C+,G ,+@C@D +- > >C +@
! C &!0 0 S9# ! > >C +@ C-? +B@
@ +@CA ,@ - ! -+, AD ;KKN 5 7 B). A ',",!0
? 0 4 ,, P=; X " O D@ ! > >C@ ->AD .C@@A B
? A@C ,2 - A.>, C +->.BA@ 2 B B B@ D@ C E@D * D@
+ B@? , -?J- + -A2 B- @ @C2 I> +@ >A, U@ +B + -
* D@2 AD O@>D A+ @J C +@D + D + A + ? A@C , >AD@C
+B@ A ?@ - T > >C +@'' ;KKP# B)) A A0 " - !0 < &!0 0
4 L<K B@ > >C +@ . EEC-
"@A @ ! A >C + - 2C@ @?E, A.2 J@C+ A A.) +-2
-C B C +@C X@D EG +B@ JC@ @A @ - > >A+@
! A + C + + ->8 , - A -CC@ +,G ! A >C X
+ -A(2 -A @C -A A+- > >C +@2 -C +B@ JC- @ EG
B B > AC +@ -C?@D
M / 0 < &!(&,0 QN B@ @, J C E@ A.
B A.@D A+- > >C + ? A@C , SKm) = 2 = A A(
6 ' < &!(&,0 4 PLO B@ @, J C ? ,, +B@ @ C- U
-CD ?-C@ -C ,@ @ D@A @ - ADJ @A+ > >C X + -A
;K<L < 5 3?.(< &!0 8@D L(MSK ! > >+ + X + -A) +B@
,+@C + -A - J,) - , @ A+- A ..C@. +@ - A@@D,@ 2 JA ? 2
-C .C A ?E@DD@D A ., , U@ ? +C S 2 EG A @SY
B A.@ - , AD ,U , -C, ?@2 C-A AD +@C
! > G2 -E -C? - 8
+ ! >+ 1 0 $ 0 0 , - -,+@2 +8@2
- ,D8@ ^# -E >C@ -C . A a C A -? -C
?>CD@C -C ? A , >.B+@C
;POK A ,- C(0 &- -0 JJ =NL 7 ,, ?
3 C+@A 2D@ C@D - +B@ %->C+@ AD %-?@A B-? 3 CY
+@A ^B a >+2 +B@ B B >+ 7 *>. D >JJ-A +B@ +- A EG
&@C GA B 2 A C@ -?J A - +B@ , .B+ AD >+ - B-?
3 C+@A ;PLL 0 C$* ' 0 !!!(;ML ,+@C .@ 2
E @A. 2 >,+@ 2 AD , >A+ .B@ ;) = 1 0 OS; ! >+@ 2
-+B@C G @ ,,@D C >A -?@ 5 " !1 (=<M @G+B@C A@ 2
@)U@ 2 +@ 2 A@ EG@A.@
! >+2 ! >+ E,@2 C (88 8((
8 ! >+) 10 &&. "(^5C 2 J 2
JJ,@ - $) +- ,@* J 8 @@ 8(QR Q+ >) $- (
A > + @ @A @ a 2 $ B(8!-?@+ ?@ J
JJ,@ (# ?@ +2 @.@+ E,@ 2 @+ 5C @D A J A
+B , ++,@ E>++@C - @C I> U C@2 B ,@ E@ A.
+- @D C-? + ?@ +- + ?@
->5J &"(&&. " ?.0 <N O@@ U DA@G A
, - E@ $) A +B@ -,,- A. G
O 1(D B --U@D A +B@ E- @ ? AA@C
;KSL X) (&&. 8;KOQ(;<= 3 AD2 G-> ?> + A@ @C
,@+ +B@ $) E@ +-- ?> B D-A@ OKOQ C ! $- S 62
' -A. , @ +- +B@ !-, ?JA -) Sb)) W ? G >D E,@ @SY
, ? + -A ;KM< < B66 &"(&&. " ? .(<L 5-C
$) (+B@ C@ B->,D E@ EC U XK) B ,
&&. " PM $) - B U@A
$ 10 ;KSL ^ @@ +B@ E E@,- a ;K=P . U & 0
&&. " ;ML B@ >+@ J A ?> B > @D EG 5C@A B --U
A +@ D - CG A. J A
"@A @ ! A+! 8 (! >+) S.
YL LJ 4))) &&. 8OKOQ(WO %>+ G->C -,,-J
D J +B@? A+- -?@ , C @D E>++@C2 A $) 3>"5$($) O
+B@? - @C EC U C@ a ;KP< ' OO &&. " ? . 0 P; 5CG A. -C
! >+@ A.2 OC- , A.2 - + A. AD OC? A. - A ? , 5--D
SKMK = # 8 $- > & ! &&. " P; - T ! >+D
AG+B A. ?@ A +- DC@ + I> U,G2 A ? ,, J A2 +B
@CG , ++,@ E>++@C ^@+ a2 !$ 00 B@ C+ J >+@ A. @,,
-A + A D- A. + I > ,DG2 +- U@@J +B@) G A +B@ ?@ +
< *- C (8(AD
! >+@@C2 -E -C? - O (
! >+@ C 8 6(2 ^5C 8 A (@@ B m $
$' (8!@@ I>-+(
;KM< < B66 &"0 &&. " ? .0H0\ & $) +- CG +B
, ++,@ E>++@C - @C EC U C@ !K<4 A ') "
! >+@ C8@2 @+ 2 -E O (@+
+ ! >+@ C@,, 1($ 0 , - +@C@,, C 2
J- E,G @CC-A@-> 2 - 8 ((
, ;==N & . " 0 SSS, L;N % CJ@ -A UA @ >+@,G AD
+@ E@ +- -CD@ B@C@2 AD ,@ ?@ A- @ -? B +2 a B
>+@C@,, +B -C- @ 1 (SSS -S 1-A@ >+@C@,, B@
, 2 " @ -B ,, +@ D->A@ ->C@ +@ ?J ,, 2 AD DC@ @ + JJ@
D@ ,G +B A +BC@ D @ 1 (SSS OQ= E ,+@ J->
A-L+2 +@C@,,2 >A@ -C U@ +
; ! >+@ C>@ 8 J+)A(^ ?@D C-? +B@ D +C +
$) - A@ C O-CD@ >S2 B@C@ + ? D@ a
B +@ 5C@A B A@ - +B@ O-CD@ >S ,
4Q[4 & ' 0 <$O0 - =K;Q M 5-C ! ,@ 2 LO " -. B@ D 2
- ! >+@CA@ 7 B +@ 7 A@ ;KLL)) 7 6 ' ;P= B@
C + ^ A@ a A I> , +G C@ % CE-A @>S2 ! >+@CA@2 O-?AS@ 2
O C 2 AD &C@ .A ;KLM .0 ?&O(?&$ '

?&0 2 3C ! ?J -A2 3C % ,+-A2 AD 3C " U JC-D> @D
C@ J@ + @,G E-++,@ - >+@?@2 E> @,, 2 AD B@CCG
! >+ C2 >+C@2 73= ?701= 7? O (
! >+C@2 +C @2 +C *@2 +CG2 73= ?? O (0
! >C .@2 73= ?701 7? 1 C
! >1@2 73= ?701 7? 3 1
! > @. CD@2 O ?701 7? 3 C8 '
-?JC@ @D SKK $!> $ 0 OQM
?-A @.>@S A2 -C !->+B ?@C A ! > @. CD@
! > @A J2 C C@ C A+ - : 0
! > @-8>(C2 @C2 73= ?? 1 8 1
! A @ I A J@>+ 8 - U JD(^5C 2 >E + > @
- JBC @ f T ! @ 8B ? @, (B- A ' a .@A@C ,
+ ?J@D@ -C -?J,@+@ C->+
^;KNO % # ! ($) D) * ' 6 5C @+
+B- @ @ J@ +B + A B @SJC@ C -A ? , C +- +B@
5C@A B A ?-?@A+ - D@ @ +2 AD b@ + D -CD@C a $ $[
A - UB C+ % 8;KLQ(S LM; B@ ? CY
B , -,,- @D E ^O>-A J C+@ a @S ?J,@ AD + +B@
?- + -?J,@+@ $) D) * +B + A @,, E@ ? . A@D
:c &) < & 8SKM (=; 7 B + A@
+ C , J +>C@ @ ? .B+ B @ B D - +B + .@A@C , $)
D) * ' ?-A. + +B@ -CG J C+G 4<NQ ' 1
$! &% 2 & C &*! ;LL B@ J--C !+- U @,, + - J- A+
?-C@ +B@C@ B D E@@A $) D) * ' - +B@ + ? D B-,D@C
! > @+@2 73= ?701 7? 3
! > @>C2 ->C2 -E -C? - 1 8
! E,@2 @ E,@ 8 E',(2 $0 U- P
E,@ ^ 1 i (% # 2 $) $! (
$! $! 0>! % J E,@ - E@ A. @D -C. B @ ,G
A &!0 @A @ % (1 (
);=PN &) $!)$, &) ' 8$-SE (4NL - @ A + E@
C + @C+>@ .C- @ +B@ A->?EC@ - +B@ >> E,@ SP -
. 7 LOL ; ! E,@2 &! $1! 0 $%J .. 78 ! 0
C & ; &C@ e L< B- @ B- D-@ >E C E@ +B@? C@ A
@ E,@ -AD + -A $>/$ Y# B 7V %% , $ 0 &%
$ #\ #>C >A -C+>A +@ ,) + +2 g)@C@ ->C @
@C@ B- @ @C @ E,@ ;KLO 5$- ' P; O B@G ,(
? ,, C-++@A E-C->.B a C@ A-+ - @ E,@ X@ OKK)L
! 9 55 ',",!0 ! (V '&2 !0 SOSS 7 B- B B- A
B ? @, EG B -CU E,@ `
" %-AD> @ +- , + -A
$ G-M 3 . ! 0 8;KPN(LQ= AD @ AD ?-C@
D? C E,@ AD @ E,@? ++@C A -A@ -A,G !@C?-A - :@ > 2
>J-A +B@ 3 ->A+2 +B A A ,, +B ?-C , +B@ JB ,- -JB@C
"@A @ ! E,@>@
OMLK .. 78 ! 0 C & %-A , =;; ! @ E,@A@ @
- &C-+@ + A+
! > =-- DE
! .'D 8 @ @D)(2 $0 AD 10 , - $(L M
> .@2 = $ @ .@) P .@2 .@2 Q
D.8@(*K =2M < 8A- , .@2 8Q ,
D.@(^ 5 $) $ 8 A #5 , - $! $ +
&C2 $! $ (!J $! $ (&. $! $ -(!3
$ & 8 A +B@ @A @ --D@D2 --D, AD , -
,@ CA@D &5 - ` $! $,&(! $,& 7 ,D(2 $->? A A
!1 $, ! ,) 8 A J-J>, C , - +B
- @, ? , + -A $! $,) + --D, AD2 ,D2
! $ --D2 -C@ + @@ .3 AD " 7 ! " V
$ B(
4 B + A + +@ - A +>C@2 ,D
A ? , gG ,D2 >AD-?@ + +@D2 >A+ ?@D
+@A2 AD A, +@C > @ @S ,> @,G2 +B +B@ -AY
+@S+> , ?J, + -A - @C- +G 8 @A @<(
OSLNN $!(2(?& ". &)! LN 83 ! / .EGKM(
- E AD@A ,@->A@ >> . OS)N &!$' (<O^&C@ @A+
- @C@D +- +B@ @?J@C-Ca ! > .@ E@ +@ - D \ ,>@C2 \
C B@ +-A@ $& J L V ' !$ &) $B(O>+ ,G+@,
C@*-G @D ?@ A +B@ - A@ AD -A.@ - +B@ - ,@ >> .@
;PQO ?& - & PK E2 A @ > .@ J A+@
;P) ,.0 (QK 1->+B >, AD AE AD,@D
-,+ B@ C > .@ @G@ +>CA D +- ?-D@ + . X@2 O G
+B@ @@+ J- @C - ?> U@ SM - <B .. $! "AC
44 8;M;;(OML - - +B- @ ^5- ,@ - &C@Ga B B C@
&C@D E,@2 B@C@- -?@ C@ ! > .@2 -?@ / -?@ + ,, +B@
! > .@ ,, +B- @ +B + C@ A-+ >E @ + +- ? A .->@CA
A@A+2 E>+ D-@ A +>C ,,G B>A +B@ C - @+ @ $I>& < .)
$ 0 8OQQM(OQO A A.CG AD @C- -> D J-
+ -A2 C@AD@C +B@ D-.2 A + .@ + +@2 -C? D E,@
@A@?G +- ,, -+B@C A ? , A A+ .. " - ' ,0
S, 2 +-CG - E >CD +B + A@ E-? A A+ -C+B
->,D C@ #>+ - B B-?@ +@C .@ B@CD
*0 4P=O X) .. $ - 0 *&*.0 ;=KE2 1 J C+ @ E D +B@
?GAD@ -C +-? U@2 A-+ - ? AA@2 E>+ - @C G@ EC>+@
\ , .@ E@ +@ ;PPN : ' 0 % 0 $! 0 e Q
8;KQQ(P< 7 @B @ ,? A@C - E@ +@ , .@ +B +G->E)
AD ?-C@ J,@A+@ - +B@? +- B @ S) 9 ?
- -10 KSP 7 B-? , +@ +B@ , .@ O-C@ " +B C--+@D
+B J>CJ- @ +- D@ ->C@ $;QNO = B) .. 6&) -(
6 - 0 8OQOO(L< G-A AD -+B@C ! , .@ %C@ +>C@
/ # ->A+CG2 , AD2 @A@CG 6A >,+ +@D2
,D 1 0 E "@A @ 8EG - + -A +B EC A B
(2 " -CC E,G ,D AD C>..@D
- ,5" 0%" !0 P=LL 89 ! ,E A. (a(@ S / C A - *V
5-C@ + > .@2 +C-A. UA)+ - B@ *@ J C .@ ;=OM)7
<) !0 C ! 0 OQ;L= G, A--A2 A ? G J .@ A+- --D
,, .@ ;POL) & 0 S SK -C+B>?
EC@, AD@ > .@ AD G,D@ ->A+C@G2 ,, - D@
C+ AD ?->A+ .A@ ;PKP 9 7 +C , &!$%
&"0 S =L B@ ? - +@ J C+ - +B@ G,@ B ,,G AD > .@
OMQ; = . C 0 (A OL) @+ A. JC +@ , @2 -C ?-C@
-E >C@ A .@ 7 ,D@CA@ OQQ= &) ,&
' OQQO2 OO B@ JC- J@ + -A ,, D@ I> +@ .@2 B .B
E CC A B ,, -C DC@ CG @+ AD XKX- 0 A &,.Q
$ 8;KLQ(S B@ @A@CG I> +@ D @C@A+ C-?
+B + -A +B@ ? A, AD2 D CU2 .@2 AD B-CC D SKM- R
) ..< !$, SS B@ @ -? +B J, @ B D .@
? .A @A @ $O+> 1 $' (&' &,(

!　　　　　　　　　　0.　　　　　　　　　　' : ' , +/

=Q ! .@ AD -CE DD A.' @A@ 'B @, D D@ +B@ C .C A'
D@>C
%($//J) ' $ 0 2 ' ' (8 CE ('OQ +' '+BC->.B->+'
E C@A' \' ,> .@2 -' +B +' +' ' A-+' E,@ +-' A->C B@ AG
E@ +@ ' -C, U@ - 'J +>C@2 $'W%&/' 9 . " &
$! ' >CGD @2 -C B-?'B 'A>?'C->'?- A 3 U) '
6 +A A.'+C@@ ' AD , .@ ?->A+ A '.C- A ' ,GS.'A)$ $'0
'S-S &'P 5->A+ A@ E,@ >' ' +> +@D ? -A.'$- U ' AD
7 --D 2 +B +' . @ G->' ' A@ C @+G - '! , .@ &C- J@ + '
;KPL '# E ' ('?& ('<M B@ -,D , .@
B C +@C - '+B@ B ,,'B 'D JJ@ C@D
' # ' 'J, A+2 +C@@2 @+ ' 7 ,D2 >A >,+ +@D2
' ;=OO +C ' , $' , 0 'C ('C ('O== @+> ' > .@2
+B +' ' G ,, D' C -,@ ' ,' ;PKN $ ' 9 . . ' A $.!)" > '
&"08;P<<(' 'Q< B@ .C@ +@C #C+ - '+B@ I> DC A.,@ 8
@+ +B > .@ +C@@ 2 ' #U@ 2)@ +A>+ 2 %GJC@! @ ' ;QLO
$''; ; ;KO ' C> + ' #A .@ +- U ' A @C+ 2
,@ CA +-'E@ C ' M>JJ B.. ' & & -) V3 08/>E, A(
;QK !+' 5- A2 .C- ' A +>C ,,G .@ +B->+ - A.' -C
+ ,, .@2 >J-A +B@ % , EC A " ,, 'A@ C %C-+-)' SK -' . .
' &' 1 "' 2 B@ A@2 +B@ -? 2 +B@ -, @ ? ,D2 C@ '
.@ G@+2 +-'B>? A > @ >AC@ -A ,@D
;P<< ' .B ' &"(' ;' ONO 'J, @2 B B'G@@,D@+B
E ,?@ A .C@ +' J,@A+G2 E>+' ! ,> .@2 ,D@2 AD +B->+ @C '
+>@ ' ;M<Q) ' " (' < & (' O= B> '+B@ , .@
%B@CCG .C-
! ' ' # ' ? - @?@A+ 2 A- @2 D@?@ A->C2 ? AA@C 2
@+ ' 7 ,D2 >A. - @?@D 'C>D@2 >AJ-, B@D2 $, (
%4=ON LN 1+V ' $', ' $,.$1 ' A ?& $ ' 8;PP=(OOS2
'B >@ A->.B+',@ CA@D B@C@ +- -CA +-'D >A @2 A-'D >A - A
--+B - ' --+GA.' - ' > .@ ' 4P<< ' ' ' ' &
MO O>+'G->' C@ ?-C@ A+@?J@C +@ A G->C'E,--D' B A @A> 2
-C+B- @ J ?JC@D A ? ,,)' B +'C .@ A > .@ A > ,+@
;MNM]' (' (A ' ;L' B@ >)@ +C A.@A@ @ B@
J>+' -A ;M; ' (' (A, ' ,,'PM ' ! > .@ , ?-C
O%%> = . 'C 0 3 'LM B@ $ @ # '+B +' +,D@ "->+ +B +
&%'+B@ BC A O CD A $B-D-J@2 + ,'+B@ .@ , ?-C
DC->AD O-+B " CJ AD - @ O>O 81 ' & 07#;
#B +-'+B@ ,>E2 +-@ @A@ - ' .@ *-G ' B@ B- -,' - '
- C @ .--D @,,- B J AD A- @ ;QK=' @K $.' ?'LOP
/@, .B+' B B B- ' ->,D ,@ ' '+B@ .@ D A - '
+B@ +J U2 AD , ?->C ' - '+B@ B@,D % S! ' . .
(% ' ;=O B@ ,D D A @ ? DD@A ' A +B@ A2 AD
+B- @ 7 B-' ,@ D +' +B->+'C@J- @ 3 S +B @ B -+B@C A
+@?J@ +>->' ?@ >C# - .@ ?> 2 ,D@C + .C- 2
'E ' # ' - ,->C A.' %C>D@2 B C B2 - ,@A+' 1 (
' &%'C$ ' ' ' ;ML " @+ ? 3 '+B@ @C @Y
A@ '-'B ' -,->C 2 B B @C@ +--' , .@
. ' # 'J@-J,@ ' -C 8A- ' -?@ B +' $!"+- ' AD Y
D> ,'J@C -A '6A , X@D '@S + A.' A +B@ ,- @ +'
+ .@ - ' >,+>C@
- ' @,+ ' ' +C-A.@C +@C?'+B A'1$ 1$ &) (B)'+@AD '+-'
E@ JJ,@D +-'J@-J,@ '!-?@ B +',@ 'C@?-+@ C-?' ,X + -A
' 4PKK ' 0 ((+ ' 'OOO U@ 'C>D@ AD > .@
? A - 'AD@ $/ 0 B (' ' ('C& 8 CE ('OO
" @ EC->.B+'+B@ C>D@ AD > .@J@-J,@ +-' ' ?-C@ > ,' AD
-CD@C,G ,>@ SM--' ' .B '+C ' & $ &'OQ U A.' -C
+B@ C,@ D@C +B@ C @ - ' ?-AD AD -+B@C 2 #A@ ,@2 AD
-?@ -+B@C - '+B@ > .@ C B $%/A ( ) '+C !$ '
$ ' !(;<M B@ OC+ A ' .@C@ -C+B@ ?- +J C+ A E*@ +
.@ J@-J,@ O>/'< 'C & ('C& "MN !B@ ^+B@ 3> @
D@ .A '+-'E@ C +B@ .@ G->+B C@J@ +2 A ,-- @ A>?E@C 2
,D,G @@+' B@ C @ +B@C A +>C'D B@ ' AD D> UG ,- @ '
4QQO ' ' 0 =; ;' B@ B .B, AD@C 2 B-?' ?-C@ .@
A +-A ' ,,@D ! .@ $> O < ' 0=' C 0 SSS
4QN B@ E CC @C 2 B B B D -' ,-A.' !@J C +@D +B@
AD +B@ ,@D A + -A ' - '+B@ @ C+B ' A &A
&,. $!! SMK ' ,' + U@ - ?@ .@ - ? A2 B@
B ,,'C@ C ?(C D> U 'C @ A >$ - ' & - 0 &' (
8;KQM(2 S ,'QL B@ ->+B 2 +BC->.B +'A@ .BE->CY
B--D AD A+@C ->C @ +B > ,2 -?@ B +',@ ' .@ +B A
+B@ C@ + - '+B@ , AD 4<NM ' = ' &) ' &)! '
-+@ Q 7 @UA- 2 B- '+B@ @A@?@ '- '+B@ C>@,'!+ C%B ?Y
E@C > @D +B@ .@ AD A +-'D JJ@ C C-?'+B@ ,AD
;MS=' $ +V " 0 & !'>'S A' e Q =LP A +B@ @
+ ?@ ' C@@ @ ' @CG > .@2 +B@ AB E + A +'E@ A.' - +@A
B @D C-?' J, @ +-' J, @2 EG +B@ J+ A@ ' - .C@ +@C
C E@ ' SM--' ') - ('E '$0 ' ' ' 4O ,@ ?-C@
OC>+, +G - '!-?@ , .@ AD E CE C-> '+-A ' SM)'
- ' ' 0 ' 0=' C 0 OQ;' 5C-?' ' ! , .@&C A @?C@ADC)'
B ? @, ' '+ ? '5-,,- @C- '+B@ & +C C B !+' C@.-CG
E ' $! $ ' -$'M +B@ -A @A+ -A ,'C@JC@ @A+ Y
+-A - ' .@ A B@C ,DCG AD J .@ A+ ' '
B>? A .>C@A U@D -C@A @,-J@D A -, .@2 $, (
' '< 7 'C ' , !" C! $ ('V '!2 ' ;PK)(' 2
B@C@ ?@+ B@C A +B@ 5-C@ + ' B@ ?@ C-?'B>A+ A.' -A@
, D ,U@ ' !> .@ ? A2 ,,' A ,>@ ' $!>/ (
8;KQ;(;=' # ->+' - --D 2 A B@C 3 @ + @XC@+>CA C-->.B,G
?@ +B@ C --C+B " -?EC@ ! ,> . ' -'H- $ 0 B@ > .@
? Aa +B A #U@A J, A+ J,> +' J EG +B@ C--+' A B X
E AD@2 B ? @, ' -C?A@ ,' A ?- ' AD ,>G KSP
<)"' - ('S,'#A @ +B@C D@ +--D ' >JJ-C+@C .@
? A 8)-J@C2 +-'> @ +B@ ? .> .@ - 'B@C)DCG2 C@ +B@D AD
A +>C@D ' ;K;<]'6 $' & ' ,2 0@ D@ +' !+--D B ' I> C@2
I> A+,G D .> @D ' ' , .@ - C ' A ? A ;KO<]
&'$ %(S 2 B@ @ B -,->C3 ,U@A D->E,@+ A B B
' D A @D +B@ ' , .@ ? A +' +B@ #C G ,AA ?>??@CG
4KQ=2< ' .& ' (' e Q =;P B@ T5 @C @ F>!@A
' ' A + ' ,+@? +-A- '+B@! , ' .@ A C-?'+B@ ' - ' 7-C,D
+B +B@ +GC ' - '%, ' ?G+B-,-.G
' &@C+ AA.'+-'-C B + +@C + ' - ' .@ 2
$(SD = . 7 (& ! ' ' ' e L ;NO B@ C +'
J@-J,@ B B +@C +B@ .@A@C ,, ,->D AB E +@D + 2 @C@
+B@ % ?@ @A@ 2 ' B B) -J,@ (>@D ,+-.@+B@C ' > .@, @
A> '< ' ,!(=' (" ' 2 =<= B@ C@ A JAA@@ '
' '+-?' C-?'+B@ J , @-'B@C +B@C 2 AD -AD@?A@D +-
' .@ C@ .A AD A B-J@,@ '@S ,@ -A +B@ E AU '- '+B@
O-CG +A@A@ ' S!-J S- ') 7 ' ' 8;KML(;M; B@
, X@D ? A . @ '>J +B- @ + ?>, A+ ' - 'B-J@ AD @ C
B B -A ++>+@ B@ B@ 'B C?' ' ' .@ , @ & /> B .
!O(' ;QM B ' '+B@ J>C@,G .@ + +@ AD +' '
+B@ + +@ A B B ? , + CG ,,- ' ' ?- +@ +@@?@D2 AD ? ,+'
+ CG ?@A ? - +C@ J@ +@D ' $ OO ' ' 1.'E ' (< $-(
O= B@ ') @ A +>C@ - '+B@ , A.> .@ - ?@ ' ->+ @ @A
?-C@ .@ C,G %' @ JJ,G +B@ +B@-CG A A-+B@C G
%0 A%0&' . 7 '6 0 & ! (' P ;=N J @C@ A-
? A -'?J-> 2 '+-'E@,@@>@ +B + - B ->,D @ +'GJ -C
D@> @ AG " @ +B@A ,> .@2 -C D-, +C->' D-C + -A ;M<Q

) ' ' ' A '<OP U@ "@C >,@ 'B ? @,2 B ' !-A
JJ@ C 2 A ! ,> .@ &-?J ' G-A' ' " D@ B@ @ C 2
i D ' $@?-+@ C-? ' - @+G2 -,+ CG2 1 (
I$I>' = . 'C((L ' L K)' # ? .B+' :' B@C@ A -,+>D@
, @ .@2 A -?@ ., D@ #E >CD ' SMK-' 8 ' * $'
«' 2 2 ?@+B AU 2 ? ! , .@ AD -C,-CA2 BG JC@UA@@
-A,G 6+' A ? U@ ?@ E,@ +
+M ' # ' D@ -C + -A ' $> + 2 ? + +A.' A +>C ,'
@.@+ + -A ' . (
O/& ' ' . .' & '0 ' '(;PM E2 B@ : @ J@ @ '
22 @C@ U C @D +B A@++@! AD +C ,@ '- ' .@ -CU@
' 7 +B C@ @C@A @ +-'D J- + -A -C +@?J@C2
+ 2 ' AD-? + E,@2 A+C@J D2 , A+' 1 (
$(;L ' & ' ' 0 =KP A B CDG UAG.B+2 +->+' AD .@2
9 @A+' ' B +' +B .C@+ C .@ ' %4LLN 0 ' !(KOQN
89 \,E A.(J@ ' ' /@D A@+2 (V@ >@ .@ ' %4LPN !!(
C$! - ' =NOO O>+' -A@ > .@ ?@A +' @+@A A (V@ B ,,@
B@A+@A B + , ' A B-AD@ B +') 'B >@ ?)+2 '+-' @AD@ B ?'
^+B@ @C -,a +@C B+,'+-' I>@,,@ ' ;=QN ' $!!$, '
+ 'K;L 7 +B '+B- ! AD @,,@ . ?@ +' AD .@ ' 1 (
' PL=' ' -C+BG ,@CU2 E +B G ' AD CG B+' .@
i'E ' E D @A @ '$@ U,@ 2 >A.- @CA E,@ ' 1 0
'4=NN $) ' &"'?.0 =QP< 'JC G@ +B@2 ?G EC-D@C D@C@2
B +'+,(# 'E@ G @ AD A-+' > .@ ' : '+B@ A-+' +-' ->+Y
C .@ ' 4PNN ? '$ (' ,) $' %$ - (8 ! (LNN
' ,> A@ +- ' GA@ +' B ' .@ AD@ E E>AD A @2 AD
GA@ 'A- B+' .@ B C*- ' ?GD ++A@ ' AD -A -C+' - 'J@
GA@ +' +@?J@C A @EGD ' AD -EGC GA@
K ' $>D@2 B C B2 >A.@A+,@ 8 , -' $' %0 - ' +B@
@ 2 'C @C(2 1 (8?@C.@D ' +B@ +C-A.@C @A @
<(' A +B@ ;Q+B 2 ' ?, ?
$(=L 'V 0 ! 0 =N!< 8 >D 3! (/ CC @ B@+@ $@?>@A
B '+@A+@ ' AD @++@A B@?'E D@ ' +C .@2 ' -,D@ +@C
AD ' >B.@
&JO+' < 8 ' & %('QQ O-+' @C+>' @+ A +B@ -C .@
B@C ? ?' A-' -C,D E@ -' , .@ 7 B B ? B+@ +' U@ AD
D-A @ @2 , B AA '+B +'+B@ E-D'D@@)' 1 (OLN 5-C
'+B@ ,D@ -D@ C)@ # ' GAD@ ' ? U+B '+B@ !@@ , .@2
AD +B +' 7 ' ,?'EAA.+B A+-' @ 1 (LLO AD 'G@
+' B +' ' ?2 AD ->+- ' B +, .A .@ ' ? '1@ -,D@
A-.B+'E@ - ,)@2 4MPP5 #'+C ' ,) "T % - ' 2(
<<<' ;K< " @C C@J>+' + -A 'B .B2 +B->.B B C @C+>@ E@ A@ +B@C
' .@ AEC > +@C@2
K2 5 @C B@ @C- -> 2 C>@,2 2 ' - ' A ? , '
$(,'$&+>') 7 &' ' ' 0 LMKN G->A 'JC->D@ A +B@C
C .@2 AD ? AG E@ +@ >,W .@ ;7_8 '] ' 1 ' ,'A
$), >' . (8;PM;(LQ=E2 C@U% A A.'+B +' @C@ G-A.'
- ' .@ B +'+B ' G.C@ B DD@ E@ > .@ AD C>@,G E@ @++ A.'
- ' , .@ J, @ '$->AD@ E->+' ;PQ<) ('C!) $,
>) '8;P<P(P ?' ,D > .@ !J @- '%C-??G-A2
-+B@C @ >CA ?@D JE? ' SMSS ' 0S 6 ,'< '
,,$ (% ('SS '8;MLL(QN @B +B@ W .@ +' O@ + 'C@
B@C .' ?' (' ') ' ! ' ' S
? D@ I> @+ AD D- B @2 +B A+- ') 2 AD C@ +' 4Q@P
)) ' & $ '&' ' ;' 2 7 B +' .@ + .@C ->,D A-+'
J +G 'D ? @, -'D +C@ @D AD JC@++@C S) ' (
? &,. $ '8;KLQ('S+'L=W - ' ,,'+B# U A ,- 'D-. a C@
.@ +'A .B+
;MLO) ' -)' O=K 7 B@C@ A ,-E ,,>D@+B +-'
C @A->' AD ; D.@ E@ +\' KIO% ' ')SC 0 '
O @ +2,U@ ' , .@ -A2 B-'3 G B@,J,@ '!->,'D@ ->C2
E ' - ' C -A 2 +B@ C ++C E>+@ '-C + -A 2
' PQ< ,-' ('C!) $, ( ) P # ' ' C>D,2
U@D2 AD > .@ J,@ >C@ 'OPKK!" U ' ((('
L=K '+B@A B ' A@ ' ->,D C > B > .@ @ C@2 AD '*)A+ A
GC A+ ' ? ,,@ B>? ,@ +' OP<=] '? , ,' '#97) Q
(J $@,@A+ 'A-' E - CD,G AD -? A B !$0 -+
+-'C@,@A+ 'E@ +,G2 > .@2D >@,,)' ;P<<]' ' (;;' '
<P 7 B +' B ,,' G+# +B@@ -CD ! C--J@2 +B->'C>@ ,2 A '
.C +@ >,,) > ,@2 ,AD AB>? A@ %C@ +>C@ ' W<Q ' 7 3 '
&) '(? ' S 3> +@U B '%B C? '+-' --+B ' .@ '
OC@ +2 - ' +@A $- U 2 -C E@AD 'UA-+@D # U ' A>&O
' ' ('2 C@+ B # ' ->'?'E@C@ ,@EC@ +BG
A-+' + ,' C SGK-' B ' *0$ '? &! 7 U ';K=O 'OKO
B@ -J@C + -A- '+B@ -,D ,' - .@2 AD !F A -A @A @A+
+-' -?@+G2 +B +'^@+ a SK--' = ' 3 ' &) $"' - (
' ;<N +' ->,D E@ D- AC .B+ .@+-',@ @ DG 3 C '
?-A+ A- ' SK)' A &,. $ '8;KLQ('LO B@
? . +C +@ '- ' D AE6S.B A ->C .)' ' .@ @,- 2 2
-A@ -'+B@ >AD@C ? +@C 2 A A >,+A.' B '^/C D ?a
J@C -A AD >+B-C +G SK)' [' ? ' 2 7 +B
'->A+@A A @2 C +B@C EC>+ ,'+B A .@ A &J
0 $ 'S2 "@ B D .@ J,@ >C@ A ?,)A.'+B@ J--C
C@+ B@ '^B C@D+-C a ' A &O < ' < ' ' 0
8;KMO('=PQ "+ I>)A +B@ ! .@& CG! + 'A >O - B) '
$ 'SS ' =S< B@ +C--J ' @C@ .@2 AD U ,,@D @)CG
? A +B +'+B@G - @C+--U
"$%J>' , ') 1) T & ' $' ' 'OLQ "@@ B +B
B A.@D ,' ? A >+>D@ AD .C I> A@ @ +B , .@ >CG
AD C>@,+G OOK<= . ' ? -0 ' 8;Q=O(' O<K
7 +B B +' ' , .@ AD ?>CD@C-'D)V 6-A +B@G ,G +'
-A@ A-+B@C 'C@J>+ +-A AD +@ C +'AJ @ @ 2
-' $' % 0
OKL=' = . ' &') 'LPK 7 +B A +B@ D C@ >,,' .C J #
! .@ B>A .@C2 -C- '! .@ B@ +' SKSK ' & -
" - ' ' & $ & '< 7 B@A A+CG +@?J@ + -'@C +B '
@ ' C@ C .A.' OKOO) % * ", 0 LLO !-'+B +'+B@
AD 'B>A.' ?>+@? C->AD) OKPQ C& - ' ;O B@
E@,,- A.'-'+B@ .@ @
$ 8%B @ ,G ,&E&D ' AC .@D2 >C -> ,G A.CG
, -2 C->.B -C>A J C A.' A J@@ B
L ' ' ' ' $" ' !@C ;;') !08%-,E>CA(O< / -A'+
,@+ ' ??G UA- '+B +' @ B @ J,+2 @, @ B@,,' E@ ,@
,)> ' 5N >!B ,&' & &1$)0)'LO1->'C@ - .@ -A
!-+B@ D2 ' > J@ + + ' C-?'@A G OKKO- ' (7 .
) ' ' 8@D 'O(=P ,?- +' AG U J@C -A2 'B@ A J@ U
+B->+' E@ A.' .@ ' ' @S@C A. @, ' -A+C-,' OKQN
' ' %" &!6O(! ' 080-BA(" ;L= 3 B@,
A.@,- 'B@ D' '>,'- ? ' >,A@ A+ ' . >C@ '
'U A.2 B B' ?J @ B? ' @ >A+,'E ' >C->'
B @, A C@AD@C +B@?' A+- ' ? CE,@ OKQP 7 ' ! ' 8)
& '$ %0 & !'L %-?@2 : C2 G-> A@@D A-+ ,--U -
' .@ OK<< '&"+ &#) *O G -2 ' +B AU +B@
/- +-C ' JC@++G .@ +B -,D OC ..2
$ %0/$ &-1(('> $ $ 3% , 3%) $ 3!&&.
' '3 &. '(i'32 ! T

OQK=' 81 ' $.' '=KQ ->'A +2 A+@?J@C) .@2
@C @ OKS< = ' < ' A - 0 ' & (8;K==' 'OOL
" ' .@ B@ C+@D JC-+-+GJ@ ;Q<P 8)' ' , (
OQO B@G @C@ +B@ ?- +' .@ ,--U A.' ?@A +B +' 'B D
@ @C E@B@,D OK=K ' $'(S LX3!' "@ ., C@D
+' B ?' +B .@ ,--U A.' @G@ ' OK<=) ' '8 ' (
4 4 ' OLN ;' .@ J-U@A -,D ! -+ B - ?A ' OP<<
' & - (= ' %)!(' 'LQ B@ + ?@2 AD ?G A+@A+ ' C@
) > .@ ,D@
O ' 1(
' ' ,D E@ + ' 1 0
SMK ' B ' &"$!'? & ' ' 2 7 B +' >A C@ I>@A+@D
- +' ?' :' +BC- A -A2 U@D2 AD B@,J,@ 2 +-'E@ ? D@
' JC@G -' +B@ A@S+' -? A.' ! , .@ - '+B@ @,D ' ;Q)
' $-1! ' -' S J ;O B@ > J -A AD -, Y
+>D@ - ' ' ? A +B +'J, G ' +B ' + ?@ + .@C2 , G '>AD@C '
A@ @ +G - ' + B A.'+B@ ?-?@A+ A B B +B@ JC ->'
)@ B ,,' E@. A +-' .C- ,' OQQN 7 'C!) $,
<'%C-??G-A ' A @ +@D EG ' ,D - 'A ?@D &B @ '
B ' .@ B@ ^ B@ @> a2 U ,,@D ' SK)S = B.
$ - * ''J ;=' B@ ? A B-2 A '!J A B E>,, .B+2 .- D '
+B@ +-CJ D .@ +-' >CG2 EG B U A.' 'C@D C .' A +B@ C2
E ' 'E D +@?J@C@D B-C @ ' % ' 3 7 ' '= '
SK)' ' 9 ')8)' ' ' 0 0 0 2 " '@SJ@C @A @
- ' ? , C A ? , 2,@D B ?'+-'E-> @ 'D-AU@G A +B@ ?@
E-S +B 7 CC@A@C2 +B B-?'+B@ .@ --A C +@CA @D2
AD D J, G@D -CC@ J-AD A.' ?JC- @?@A+ A E '+@?J@C '
OKKK 7 ' ' & '=;<'7 @ , -'B @ A & C D-S ' ?-D@CA
.@2, U@) '.C@G JC-+-+GJ@
/ ' 'J@C -A , A.' A +B@ ,- @ +' + +@ - 'D@ @,-JY
?@A+ -C >,+ + -A' A>A ,X@D2 ,D J@C -A
-' ;PKK ' ((0 3 'ONO -> 7 @ +-' B@ '+B@
)>A B> @ -'G->C' @2 B +' @ 8,U@ > .@ (? G -C B J
+' ;KNP) ' ((' * ' OQ=' " ' -A C +'
-E >C@ +-'?@@ B B J A+@D D.@ - ' ?@C 'J-A+ '
A.'+- CD +B@ !6A2 +B 1 '$,, (- (OKL '
7 8 $ 0 ' O<O !-?@ ++@C A.' C E 2 -,D
7 +@C - - ' B B ! > .@ ->C % J+ GA@ BGC@D2 +-'
.> D@ ' 8 8 ' * ' ' * 0 &'D0 < $'$ $; Q '
?' ' C@@ ' +>C@ C + ? D@ ? A2 C@ +B@E @ '
- '!@C +>D@ E@. A2 7 B@A D A -) ' +B@ A-E,@! .
+ A2 OQML' 8 'C& ") (') ' B@ C-I>- 2
">C-A 2 AD -?@ ,@ ' -A D@C E,@ C E@ 2 C@ C@@ AD
AD@J@AD@A ! . ' @ ' O<) ' ' ' ' =' -
+B@ .@ @ @CG +C A.@C '+B@C@ -C@ A @A@?G
K OKSN ' -*0 ' 'MN / -@'G->' J+ +C U@ J-A'
+B ! ,> .@ 2 AD 3@A - ' AD@ SMS ' 1 ' !@+ '
$*'&%' ' $ ' L 7@@ +C D@D +B +B@ ! , .@ +
/-?A ' OQS< ' - ') & ' 8;KKL(=N ?-A.'+C A.@C '
AD .@
% (W &A -B.. ' &!"=V C &%0 @ 'OPM !@@ A.' @
C@ , X@D A., B ?@A2 ,@+> A-+ E@ A U@D ! , .@ A
->C+ ,U
E ' $' %(' C>@,'-C @C @ J@C -A ' , -2 -A@
B- ' D@ ++>+@ - ' >,+>C@2 -C B- ' .A-C A+ &5
A@.,@ + >,' - '+B@ C>,@ ' - '.--D E@B ->C
SM- ' ' (' 0 ' A ' =< , 0 5 @ > .@2 @
&"(" @ +-C2 +B@A ' CC@ ' OKQL)P ' & -*(&
- * ! ' = & + OLO0> B- ' ->,D ? . A@ +B +->C%BC +A@D
-E -A B->,D E@@DD > B ! , .@ 'OQKL
$ ";;'ON &% "m[" 'J@-J,@ B@C@ C@ 'D- AC.B+
+A 2 $ .0 E ->+@ .@) A A., B + B2
+ B * .) AD A C B B- ,'C@ ,' +B C @D ' - 'B CY
?-AG OQK=' 81 $.' '=OO 7 +A@ '+B@ J + @A+'-S2
/C 'A +-' +B@ , > .B+@C B ,@ +B@ .@ +' E 'B@@, '
>.B ' +'+B@ C A+ ' > C@C '>CG2 K K B (
< "' 0 2 " - @) '+B@G->A. .@ +'O>? , G 1 C
.@ E D >.B+' C+ C K=Q 'C ' 'S,'OLN
&@ @2 G->' G->A. ' > .@ -'+B@ -C+B@C A ' D ' SK)'
' 7K 8 'A 2 - ('<$00 5@E'K S ! B--,E-G C@
A-+ > B .@ ' A +B@ -,D D G
L2 +' $! $ ' ')-'8 @@ 'P E(' E ' B@)': U
@ '+B@ ,- U "8 @@# ! 1C 'M(
OPQW (8;KQO(;P B ' ! > I) 2 -C +B@ ?-C@
>E? -A2 EC U@ B X +C@@ ' >AD@C A>+ 'Y ' V 2
2 & ' ('OOO B@ #CA ?@A+-'+B 'B%B>C B'^C!+'
/>A + A A +B@ 7@ +a %-A) -'+B@ %,- U Bb@ E@ A.'
+ -'5.>C@ '- '! .@ ' -C ,D 3@A2 @,, C @D A 7--D2
+B @ B 'UA-++G %,>E *A B ' " AD B@C@ +B +B@G
+@CA +@,G +C U@ +B@ ' @ +B@ F> C+@C ' A> %) $! "
' <!& (($ $ (&& 3-$'(-C ! 3-$'(A +J = .R
. ' & ' 0 2 (" '=M;' EC C , - U AD #.@ 2 B- @
A + A.'?- ?A@A+' ++C ' 2 ' "J C ' - @C@@ ' @ @CG
I> C+@C - ' A B->C2 O<NK $!"' &'0< # +' = Q ^ E->+
OQMOa +' ' > +-? CG -C +B@ -CD'3 G-C'JC-@ -A +-'
E@B@ D@DEG E-DG- '?@A ,,@D B ,@C ' B@ @ ' +B
+B@ C + A @-' - ?@+ @A+G .@ '-C '.C@@A?@A '
+B@G @C@+@C?@D2 B- ,@+- ' C@ -CU 2 @ + @,G ,@ C@D
+B@ G -C+B@ % +G 5 +B@C AD +B@ !B- '
! + . D 8 @ @D.(2 0 , -'9 , .@2 ^
3 7 ' a
+, ' ' ! 0 - +'+B@ .@ +-' AD>,.@ A C>@,
-C E CE C->'D@@)' 1($ T0
OPMP 9) ' ($ 0(&-*!0 .0 ?),.' $-
S,S 3 G B C+ .CG@ D +B +' > B ' C@@ @ B->,D C G.A@2
B- @ E,>DDG EC@ + - ' ,,@D ->+ - 'UGAD@2 B +' &B
,C 'B D A@ @C - '-E,>DDG ' ?@A@ ' ' 8' + M
C) (*('S S LK=' B->.B +B@ E, ADA@ @ - ' -?@
@C +@ B @ .@D -A +B@ D@ D2 AD E@@A@ WN A+>C->
6A+- -C?@ 2 ' +-' D @A+@CC@ +B@ E-D@ ' - '+B@ D@ @ @D
G@+ B D +B@G +B@C@ A A-'D@ .A@ '>J-A +B@ ->,@
/ $ 0 - 'C@AD@C .@2 E CE C-> 2 -C @C @)'
SKSS $ 0 <%(? 0 ($ ')%MN<'bM</ J- + -A
A-+ D@ J E,@2 '+B@G'B D A-+ E@@A ' > .@ ' +B +-'
C@,@ @ C6D@A@ @ OQOQ =K ') - ' ;NK;' / @
J@AD A+ 2 C@AD 2 C@, +-A 2 - @ B ? @, 2! . D EG -@
-C.@+ +B@ +@AD@C + @2 B@ @@+ @A. .@?@A+ -'+B@ -A2
B@ C+ ' OQ=K " ' $ (SS 2 ' .@D EG
?G C-A.'+B +' 'D@, .B+@D A +B@C + ,'-'+B D @A+>C@
OKOK ' !?* ((' 0 OL + 'E,--DB->AD ' .@D
EG ' C- - ' '- , OK<< & -*0 (E $KKO B@G C@
@S+C@?@,G .--D A +>C@D AD ? ,D ?J C@D E. 2 >A,@
C@ >,,G T +@C
-'E@B @ .@,G+-' 1 0
OQ<K ' ' $,.- &' ' ' ;=M !B@ > @D +-'
.@ ?@ - '+B + ' B ,,'A@ @C .-'A@ C+B@ ?' AG ?-C@

#$ ' ' / *0 ' 'G ' '1 '

[illegible]

' =3 / $0 1 0 $ 0 K$) ' 10 '

0 H ,a0 3 / ! ! / 3 A D /

[illegible]

2 '0 1 8A%% %1 / .' 56' $ % '

;' aKW? -@ ' 2)%! !)' 6 !)4 1' 1A14 L' @ '

1: / ' 6 1A14 ' 1A14 '$ $: ' 2 :: 2 !A :E

[illegible]

*1A14 ! / ')(0 (*7? $ C 2

3 2) 3 ?S./$ 0 K$) '$(H

[illegible]

3 R ') 3 .$ ' ' _ ' 3$$

K$) '$0 H -+ $L G '

! ' 3 / 3 A / ! ! / / $

[illegible]

3 2) =3 / / 3? .$ K$) '

$(H JF/ ' $ $) $

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[illegible]

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#$,&!! , (' ' % ' 4 ' 3

=*1 (+ D 3 ' ! ' ' 3 ' 3 2$

[illegible]

3 '8 X@ 3)@(' $ 0 ^ ' 3 7 I I N

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H 3 / '1(1 ($ 0 ' ' 2 $

K $ / $) $ '(=($) $ ' '$(> $ $

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3 8 @ @D) X'?(' , -' 3 $ ^ '

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3 ') 3 9 .$ D M A 3 / _

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!$ ' ' ' ! / / $' 3 I

' ! / ! ! / ' &&* $ $'$-' ,

7 @ +' AD @ ' AA ,' C A@2 +B@' 7B--J A.'

[illegible]

H$0 (' 8 A(' , - ' - >+2' A '^5C '

[illegible]

3 '8 A+(' ^5C 2 @CA2 - ' $ $' '

[illegible]

3 '8 +(' ^5C ', +' 'U AD' - ' B - @' @@

[illegible]

3 (O 8) +)': A(' $!(8 @@ / (('

[illegible]

:M ,=@>)/' @ ;' 0?' 1 '

[illegible]

!

!

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+->.B' "@C-'+>CA' 'C +G'9A @'+' ;KP;' 3 ' '$'?$ '
;;Z 'O< B@',- A' @D'?G' C@D +Z AD'? D@'?G' -C+>A@Z
E ' -' @.> CD'8'C .B+ZJ- @ -A( &' 'J@C -A
,';=MN'5-$ !%60 )'W -'0 &''0S '8;KKP(';==7 B@+B@C'
+B@'UGA.@'?@G'.G @' > B'C@ CD@ - 'B 'C@ @A>@Z '
GA.@'+-'AG?' @,,' > A' ,-C+B@' > +@A A @- 'E '@ + +@'
!=<< g 0C "' $!' ,& ' 'PN ;' 'JC@ @J' - ' -ADC?'
,-A'- '+B@' C- A C B J'-'% CC U ! , AD' +-'+B@'U A. '
B @A@' @C @' > B' AD' -A+' ;P=='+C' ! &%' ')
=SEZ1 ' ' ? A',@+' ?D@'+-' A-+B@C' -C+@C?@'-',G @ >GA.@'
+B@'C@>@C G-A' +-'B ?' 4PQ4 ,',L' ! 0 'O<WM'! A.@Z
+-' ,,' AD'@ @CG'J@C -A'-C'J@C -A Z ,,' > B' $ .B+@ )VV
+B@G 'E DZ ? .B+' -C' B->,D'B @'B DZ - Z A' -C'+-' AG'+B@'
3 AA-C ' -CD B JJ@ '^@+ _' ;M=0 +C'C . ' C &%0 ?.0
U' M=K OQ< B@'4)CD'D-+B".C A' +B@'C@A+' >A+-'1' +C A.@C'
VAA.'>A+-'B ?'E ' @ .A-CG' ;KML' "'%-S' ' !( ' 'OL'
7 @' AD' ' , > @Z A+C-D> @D' A.'+B@'U A. 'C .B+ Z
' ' ' -'U@@JZ -E @C @'8 'D>+GZ C>,@(' 1 0
$JO+' < 8 ' &'%0 'KP 7 B@C-' ' A' A-.B+' E-+B@' @'
3 G' J@ B@' AD' +B '-E@D @A @Z ,'V=NN )!' 0? ' '8 @C @,'
PLK AD' ,,'U ' 'E@'D G'\'A .B+' -' >@'H 'C@ ,@'A' ,,'
J@C'?G.B+
'D' -'JC@ @C @'+B@' C@D + - '8-A@' ' -CDZ - +B('
8;7#' ' 0 &'D0 !0SS S'QO ' ? A' +-D@'J@C E@ GD@'
\'B@CDZ \' -,DZ BG '+B AU@ Z >@'H"0 0! @a'J@'JC-JB@+@'
@' 4P<P #' 'C ( &' ' &"8;K=L_' B@ 'G->C
.C @'+B@' @'+-' >@'G->C'-' +B
3' 7 +B' D*' -?J,@?@A+' -'U@@J' -C'JC@ @C @'
2 &E')' ) "'@+'
+' &' $ ' $ - ! ' @@' ' '$0 O'
$';S88' ) & ' (\8 H >@CD ' >>@' ?' B ,D C'B ,@'+-'
?@' , .&' !* $1 '&%' $! 'OOL' A@' A)@,,' -JGAD' J@'
D>C@' AD' D'J@' @ ,@'E ,@' +'! GA+'$@? .>' @++' -A' ++'
PLP %- $/ ' 0 .0 S ' OQ' 7 B@A' +B@' G U@D' ? A'
+>CA@+B' G@' C-?'B ' U@DA@ @'E@'B ,' >@'E ' ->,@'
,G>@' ;P<P '"&.'';'OOP -' >@ A C + B D'G->C'
'% ++ @ '+BC@ +A@D' B@@U@ ' SMSS' .'O'V ' ' '=' '
+B@G' >@' ' ,>@' @ B ,' ">@' ;QK=' 81 ' $. ' 'PMM
7 B BZ U AD,@D' +B'DCG',@ @ Z*> +' @'>A!>@A B D' B@'
J CU' -' , @' ;KP< ' ' 'K<= -' ! @'B@C'D@ C'
,-CD' B-,@' C-?' AG' ->AD
' ' -' +-C@Z JC@ @C @Z U@@J' A' ->AD' -AD + -A'
4L<K 3 '?$ 0 'CO' 0 'SSS '8O-D.' 3!(Z "@'
^+B@'B@ C+a' 'B-,- "+-' -A.'E,--DZ AD' B@' 'J UU@'+-' >@
+' SM-S ' .. )'C!' '" 'PNQ +@C'+B +Z +' ->.B+' +-'E@'
DC @D' A'+B@'!>AZ AD' >@D' A' 'EC @A'E-S' SD-' 8'
& '2$!f8;QOL(LL)' B@G'^+B@'5 Ba' C@' >@D' +BC@@' ? A@C'
-' G@ 'EG' >? A.Z JC@ A.Z -C'J U@,"A.' 4QOK 1
)' 0' ;P;' B@C@' )D'EG' J @Z ,U@'?>???@Z ? AG' '
G@ CZ / CG'O-D@'-'/ A +G' JJ@ C
E ' ' /' -'C@? A' A' .--D' -AD + -AZ +-' ,
+B->+' J- ,A.Z +-'T U@@J'' E 0 0
4K<4 ' ) "' ,0' $ 00> &'E@' J E,@'-'JC@ @C +-A''
D'-' B' Z+-'$ ' @,,
;O ' $' 0 $ +C' &'$ ' '$** $ $', '' '
* '&- '$'^+C' CZ CD'd*,) 9[4 $8@'.' A'&C-'
,>' "*& "*0 'e ;N(' ' +' $! $ '! '$**$ 'O"'
5 ' $) '! '$**$ ', )]M D'-' ' BGJ-+B@ '
B B' + +-C ,G' @SJ, A ' +B@' -E @C @D' + '
!@@' , -' ) ' 1T
;MOP2;M=L'^@@' ' ' V' O%%>= . 'CO' 0 ++'
Z# 7 B@A'+B@G' -?@'+-'?-D@,' "@ @A' AD' , >, +@' +B@'
!+ CC Z B- '+B@G' ,,' @ ,D' B@' ? .B+ @' C ?@ZB- 'E> ,DZ
>AE> ,DZ -A+C @' -' @' JJ@CC A @
"@A @'8'-C .' ,,> @,G('E' &' $ '$** $ $', TT'
+-' -A+A @'+-'U@@J'>J' A' JJ@ C A @'- 'JC-JC @+GZ
-, @A GZ -C' +B@' ,U@' 8!-' A'5C' AD' + (' % '
Q$$ '%N !$
4<44Z S) S'^ @@' 11 ';OE' LI & .9 .'<
' ' S 'OOO !J C+ '@A+'-A,G' 'B AD?,' -'?@A'+-' @'
JJ@ C A @ Z -'T B ) ! ' ' " 'OL=' '>JJ- @'
+'T @' - @+G'Z +',@ +' +' @' JJ@ C A @
' -'JC@ @A+'+B@',- ' - '8 '. ?@Z ? + BZ .@CZ
@+ ( ' , -Z A' $ A.' , A.Z +-')B@D.@' -' '+-'
JC-+@ +'8-A@ @,Z -A@''T E--U' ( C-?',- Z -C' -
+-'C@ - @C'8 ' @C+ A' A?(->+' -'-A@'',- @
SMSS ' "-10 C' '<= B@'D@ C J+ -A'# ' B +' '
A' B@C'%B ?E@CZ A-+B A.' >@' B@' .@C'G->'B >@' , D
;Q ' A' +,,G B +@' ' ' & ' 8;KML( '&C@ ' ;N ' '
+C U@C'A J' ' 'O ,'>J'*> +'E@ -C@'B ?'B@'? G' ,'E@ -C@'B '
7 U@+Z -C' J-J'D- A' B ' O ++' E@ -C@' !B@@' -?@'+-' +'+-'
! @' +' ;KLQ / '9 . ' *& '=' <$- 'OSQ B@' +C U@C'
?> +' A@ @C' -,,- ' ' E ,' -C' +B +Z A' @' - 'A-'C>A'
E@ A.' -E+ A@DZ B@' AA-+'C@+>CA'+-' @'B ' U@+' SK+@'
1 ' A' &' &'' &,0 ' ';;= ;' '+-'B 'E- ,A.Z +'
? .B+'B @' @D'+B@'. ?@' SK)'9 ' )8 )'
0' C 0' 0'UU' AD'@ @A' B ,-CD B J'E@. A' +-' .C>D.@'+B +'
B@'B D'A-+'*> +' @D'B 'E--U'>J-A'B ?' ^'B-C @a' A' -A'
-A A @ +B' +B@' 3 *-C' D @' ;KKP 2'?.0 *& '
PK O>+' A'+B@' +-A' @,D Z@ @A' A' +B@' -C@ +' +C Z +'EG'+B@'
@@+Z AD'EG'+B@' @@+' ,-A@Z ?> +'+B@ .- ,'E@' @D
E ' - ? U@'&Z'D A.@C->' -G .@(' @,G' 1T
;M<K - ' ' $'='C 0 QQ B 'E-,D ' +B' ,++,@'
A+@C? -A'+,,Z +B@ C +'5>,' 3--A' A' >.> +' B@A' ->C@'
>C-J@'!B J Z '+B@G' @'+B@ C-& .@' E->+' +B@'% J@Z
@A+>C@'+-'? U@' A'B@C@
! ' T -'+ U@'-C'@?EC @'-JJ-C+>A@,GZ -' 'A-+'
+-',- @"8: (' '+-'E@' A'+?@' -CZ ? A .@'+-' + B
;QLO L' 8 6 ' $ 0 *0 $, $-0 0 7 U ' ;QP; 4 'O=P
B@' ?@' &@C -A @C@ +B >,' !>E*@ + '+-'%C-? @,Z
G@+'E@ A.' @'@A->.B'+-' -C@ @@' '$@ +-C + -AZ +B@G' @O@D'
+B@'5-C+' AD'% +,@'B@C@'^A'C@, ADa ' ':>+' A.' +B@'
D@Z AD'J>++ A.' A' '!+- U'-'3@C +' > @A+'+-' JC@ @C @'
^@+ a' 5Z&T 7' A' ' $- @' $ '8KMN( ' =PMZ
'B @' E>+' ' ?-?@A+'+-' @'+B@' J- +' ;KLL' '
$'$ 0 'ONL' B +'+B@G'? G' @'+B@' B->C' - JJ- A+Y
?@A+' ;K=<' ';O'>A@' A' , 1' >' $ 0 '=N< 0
B@'A-+@'?> +' .-'+B 'A' + A'+-' ,' +B@'J- +' 4KMP .R
. 1'?!&'' 0 'QL' B@C@') @ ' ' '!>@ + -A' B@+B@C'
>AD@C' > B' C >? + A @'+B@'+C A' A'E@' @D
i'E' &' $ '&' ' $', ' ' -' '+-'? A .@'+-'
CC @' +'8'. @A'J- A+ -C'+?@( +@C'E@ A.'D@, G@D'
;Q<N'$' B . )' 1 ' - ' ;=0 W L' 84Q<;( ' ;K=

7 B@+B@C' -, ' @D'B 'D + A @ @' B ,'A-+'*>' +'A- '
@A > C@' SK)' ' 1 )' ' ) -T' %' ' Z
'$ D A.' ->+' +-'D AA@CZ ? AG'? ,@' - Z -A ' 'E@ + +B +' ,,'
A-+'!> +' B ' ,UZ B ,@' G->'UA- '+B +' A-+B A.' B-C' - ' '
>,' . ,,-J' ,' @'G->C' +?@
" ' -'C@ @C @ , G' D@' '
1' *'U@)' -C' 'J C+ @>7'J>CJ- @'-C' ' , U@,G'
+-'JC- @'> @ >,' + -' @+' J C+Z , G'EGZ C@ @C @
%4=NN )!'&%' 0'?' '8 @C @( ;PKO J +'@>@C ,U-A' ,'-'
B C' , >@'J@'+B CD' J C+'+ ,'B C' -JJ@C >)' ;P<O & -T
#' ")!0 %$ :$<' --D'+B->Z >@'?@@' 'J@ @'-'3 C B bA@'
4Q4< ' - ' ) &' '+' 8 ,-E@(' ;LMZ ' @D'+B@'!U A ' - ' ,,'
+B@'%C@ +>C@ ' +B +' ' U ,,D ' 4Q=Q "= ' &&. "'
8;Q<M('S 'OSN U@ ' E>A B' -'+>CA J Z J C@' +B@?Z @'
+BC@@'-C' ->C'->+Z J>+' +B@'C@ +' A+-' +B@' +@C' ;K=P'
&'?) "' 0 - )' ' 'B @'-A@'J C'^-' B-@ a' +B@G'
@C@' ,?- +' -CA'->+' B@A' +B@C'D @DZ AD' '?-+B@C' A+'
E>G' AG'?-C@Z ?' -C'!>AD G
1' * ,T' -' -,,@ +' AD'U@@J'8 @@D( A' +- U' -C
- A.' ' ) '
L%[>'9 ' . ' $-' ' ' 'SS6 '=Q B@'$--+' ^-'
%, CG J@C B' +@C'+B@'!@@D +?@' +' ?- +> > ,'+- @'
+' -C +B@' !@@D' @,D-?'C @+B'- ' + ' - A' B@DD A.' 4QML'
= . . ' " 0 C $, ( ) 10 ' ;OK B@'E@ +' G'+-' @'
+B@' @@D'-'+B 'J, A'Z '^@+ a' 'SK-S $ - >' $ 0 : A'
<O' +' ' @ C@D'+B@' E>,U'-'+B@'J@-J,@' ,,' A-+'E@' E,@'+-'
@' @@D'-C A@S+' C-J
!$ -'DCG'8 -CAZ B GZ J@ +('EG'@SJ- >C@' +-' +B@'&C-
C'+-'B C @ +Z + U' % Z 2 'T
4Q4< ' ) &'H0 8 ,-E@( ;ON'7 B@A' +'^+B@' -?(' '
.C- A.' AD' .C- AZ 'B @' -E @C 'D' ,C@ DGZ B- ' ? AG'
B A. ' ' A+@DZ +-'5@A @' +' ! @ >C@' +'3 - ' -C $@ J' +Z
%>C@' AD'% CCG' +' " -?@Z BC\ BZ & C+' +' C-?'+B@'%B Z
AD' ! @' +' ) -' ) ( V SSS 'LM;' B@
C?@C'J ,@'+B@?'>J' A'-A@-'+B@ C' - @ Z +B' A'->+ D@'
A.' -'E-.'+>C' @,,' $ 0 ;KO= 3 ' = 6 )' A'
+C A.@' % '8;KQN(' ;KL' B@' -C+B>?E@C, AD'J@-J,@'
B @' A' D-?'- ' A.' E G ' -C ? U A.'B G ' 4K<O
8' "!' 'K '+>C + U B@A' A@ ,G'
) @D' ' ,--U', U@' ' -,D @D' B D- '-'+B@' ,++,@'B-> @
%' -'@S+C +'8.-,D( C-?' I> C+X2
U ' 2 ' $ 0 ' ' ' ' 'M.' B@' .-,D' ,
@ ,G' @DZ E@ A.' ,@ AZ A.>, CZ AD' A ' @CG' ? ,,'
B@A @'+B@' JC-J-C+-A' @D'EG'+B@'? ,, JC- @' 'A-+ E,G'
.C@ +@C'+B A' A' AG'-+B@C' , +G' A'% , -CA Z
D ' &' $ ',!$'' A' $!' '8 @@' !>-+(
4K<4 ) "' 0 Z &'$ ',!$''+-' @' ,' 8+B@'
E,>EE@C(' A' >++ A.' A' ' B ,A. +@C?''
2' -' +-C@'>J' -C' J>+' EG'8?-A@GZ .--D Z @+ (
EG'D A+' -'@ -A-?G'+'-C@ @C @' A +@ D' - ' J@ADY
A.Z -A > ? A.Z -C'J C+A.' +B
S)O' 7B' 'A ' 'SQQQ'A>' C@>E@ O D'B@A'!>..@'
O?D@,G' B +'B@?'E@ +',GU@D@' AD' @JE@A' >,@A'B +' )@GA'
AD' >@'E@' GAAGA.@' S)' &2'<&& ' %'$) ' $)0
;QN A'A0 ! O0' ,$ (=< ' J + G,,'+BCG>@Z ADV@C'.-D@'
>@' SM--' ' 0' T 0' '+ 'L< 'B >@' >@'B>ADC@D'
%C- A@Z B@'+BC +@'B C@' ' >@D' AD@C'G->C'5 +B@C' ;QPL'
# ' ' ) &0Z 0 ';=' 'A-E,@? A''E>+,@CZ B-'
B '>CA B@D' 'B-J' +B' +B@' ?-A@G'B@' @DZ 4K=0
& $'PN O>+' / -C ' +-C@D' B +' ,++,@' B@' ->,D'
@Z AD' @A+' +' +B@?'EG' +@ ,+B' 4KPM- %B)
8;KPK( '<P "@' ' E,@'+-' @' ?-A@G' -C'B ' -A'
@D> + -AZ
!$ $1 &!0
S)!'O I)7' & &-) '"' 'EZ%->A @,,ZB- '+-' J@ADZ
AD' >@' U ' ' 0 0 ;' + '=;N 7 B +@ @C'
AD> +CG'? .B+' I> C@Z 'J C ?-AG'D D'A-+' AD' +-C@'
+ JZ +B@' J +' , ->,D' A@ @C' E@'+B@' C@ +@C' ;KP<
!%' !*'+S'OL=' DD' .> A@ '+-' .> A@ ' C J@' AD' @'
AD'+B@'J ,@'-' .-,D' ,,'.C D> ,,G'C @' '# 3 'C&!0
,&'( S'Z9 +' ' D,@'+-' G'+B +'+B@'E@++@C J D' -CU A.'
?@A' AA-+' @
%' +B' )*T , -'$1 &!T
;KL=' @@' 3 )'**E'$0#]0 ;KPN ). ' $'.' $ !
Z 'J CDA.' . +' C-?' ?G' ,++,@' +@C' 5 AA)Z B- ' B D'
@D'>J'B@C' J- U@+ ?-A@G'D>C A.' ? AG'JC @ ->' ?-A+B Z
A'-CD@C'+-' JC- D@' >AD '+-C'+B '?>A @A+'JC@ @A+)' ;KK=
' ' %'=' ' C(ON -'+CG'+B@' G +@?'-' A.'>J'
', ++,@' @@U'EG' @@U' 1 (PQ ZEG' A'@ -C+ZB@' @'>J Z
C("&T 1 0 <; ' @+'?G @,'+-' @'>J' -C'?G'- A'J,D' .@
O -' D' J@AD A.Z . A.Z -C' -A A++ A.'
8?-A@GZ .--D Z @+ ( ' +-'U@@J'8' . @A' ?->A+('
C-?'E@ A.' J@A+'-C' -A >?@D'-C',- + AD' -'C@+ A'
+' A' -A@' J- @ -A' , ' +B' AD C@ + -E*'
8 +B' -C' +B->+ &(' -'@A E,@' 'J@C -A'+-' - D'
J@AD A.Z . A.Z -C',- A.
$';=NN '& 'C& - '%C0' '&'' 0P=P L=P'V ' $) '
)' &)' &' ( & ' ' &)'' - $' ' ?G'
!>@'?-A@G@' AD'.@+@'J + -,'E@' >C+@G -'B '?@+@' 4PL<
A'7 ' ':' 'C BE-,D'!-?@C @' T &) '8;K<O( QL' B@C'
,'E@' .C@ + --?@'-'?-A@G'+B + E ,E@' ,@D'+-'+B@'
U A.@'B .BA@'+B@CEG@' 4PQN '#' ' $*&''
M EZ AD' -' -A @!>@A+,@' A' +B@ C B-,@' C?@'+-' >@'
+B@' J G'-' ' .C@ +' -C+'-'% J+ A@ AD'-+B@C'# @C '
;P<M 'H '0 (H0HHH0=K B->E +' >@D'?@' '+B->Y
AD'3 CU@' A' AU@' AD' -C B@' 1 0 ' '<<2 ' ,Z
+-' >@'+B@'E,--D'-A'@+B@C' D@' CG' -C+>A@' +B'B ?Z A'
'!A.,@'5 .B+' ;MSQ= ' 'ONQ B@' D', A X C@'
,,'@ ,G @' ' ? A'?-C@'+B@A'B ' .@' R R O . '
" 'ON >.Z 7 B@A' @' ?@'+-' ,--U -C' ->C - B' @'
->AD' +'.-A@Z -' @' @C@' A'+-' ,U'B-?@' --+' AD' @D'
E>C ?-A@G@' 4M<L' A'%'$'7 ,-A' ! ' & ' !!$-'8;<NM(
;O B +'-,D'3 S? B +'&@AAG' @D' + -'&@A @
Y'+Z OQSO 8 6 ' T' 0 &' )"% 0 0 ;QPP' ' ;<Q
'->'B @' ,C@ DG' @D' @ @C ,' ? ,,-A'+B@'J>E,,U'
SK-S' $ - >' $ 0 -'=NM OG' CCG A.'+B 'A' A+-'
@S@ >+ -AZ +B@'J>E, ->,D' @'A-+' ,@ '+B A' ->C ?,Y
,-A'*' '$'')-T' ;KP= .) 'P' ) '-0
'& '8@D'O( 'OPQ 7 +B' >+ E,@' ,>@ Z+B@' A.' -'
>@' '?> B'.C@ +@C' B@A'+>C' AD' --D C@'@?J,-C@D'+B A'
'+B@' @' >B' - ' CD'E@ A.' @D' A'+B@' @' - ' --DZ
AD' +E'-A,G' A'+B +' - ' - , SKM-' ' 1' $&' "'CT'
SSS Z 3C'!- @CEG'+B@A' -+' A+-' A-+B@C' E AG-A@'
@, @' ->,D'B @' @D'E 'B,,A.Z '3C'" C-,D'!?+B '
B-> @' '-A,G'*>+' C- '#S -CD'!+C@@+

i'E' 1' # '$0 -??-D +G' -'@ @ +' ' A.'
A'> @2T+-'E@' B@ J8: (
$ $' ' ' &-%- ' ' '8' ' $!'0 -A A '8+! .(
<= OC ' #CDA A @ @+B' E-+B' A' +B@' I> A+ +G' -'+B@'
3 +@C ,Z AD' A'+B@' B C.@' AD' -??-D +G -'?->A+A.' \'
CC ,@
7 +B' ?? +@C ,'-E*Z @'.', E->CZ + ?@Z D Y
+ A @'+-'E@'+C @,,@DZ @+
' '9'9 . ' &'%) 0 &' 0 & 'O'*Z B@C@ -C@'
>@', E->C -C' ? U A.' AG' >C+B@C' C@J,G' B@C@>A+-Z ,@ +'
G->'D-@'E>+',- @'G->C'+C > +,@'B@C@ A' SM--' ' 0 0 T'
: ' 'K "@' >@'?G', E-C'EG'B '- A@' JJC- B' M-S'
]' 2 !0 0 <<' 'M1->'? .B+'B >@' >@D'?@@'?G'J A@Z
+-'B >@'+ U@A' +' G'G->C' @,@' ;MSO ' 0( *$ ,.'
8 CE (O=K -' B- @'+?@Z '+-' >@'+ ?@' SMK)' 'Q13 ..'
+C' '&>' $ 0 ;,'L' 5 C' @ +B@C'E@. AA A.' +B' +B@'
@ ' 3--AZ ? D@' +B@' % J+ A' C@J@A+' +B + E@' B D' A-+'
J @D' +BC->.B' +B@' &B C@'- 3@ A Z B B' ->,D'B @'
@D'B ?' +G'? ,@ 'A'B ' ->C @' OK=Q= ' . ! 0 T
& ' Z D +BZ E U@D' ,,'+B@'- +?@ , U@ Z B @D'
@' '.--D'D@ ,' - '+?@' ' O 0#':#
'?&$' ;=< 7@'B D'D J@A @D' +B'+@ Z -' '+-' @'+?@
-'E@' C@ >,' -C @ -A-? ,' A'+B@'>@'-'
+-'>@'-C -A >?@ J C A.,G
SM--' ' 0 0 0 ' )' ;MN " 'G->+B >,'B-@' @,+'
>'DZ ' -C,D'+-' D@'5-C'B ' BC>AU@ B AU@' OQ;< / @'
- ' )&' '8 ,-E@(MO'5-C' '@ + J C A.,G' AD' D'?G'
->,D' OQ)' 8 6 ' 0 0(?)! '7U ';QP;' 4
OS -' -D'E>CA A.'/ G, .B+Z AD'+-' @'G->C'3 +@C'
% AD,@' SKSM ' & 0S,Z @S+' B@'@A, C.@D' -A'
+B@' D A+ .@'-' A.'-,D' ,-+B@'+-'E@' B +' B@' ,,@D'
E@@+ ? +@C'+-'+B@'A @ ;K=Q 0 '"$% ' " 'SS SZ
@CG+B A. A ,>D A.'+B@' CJ@+' AD' >C+ A ],--U@D' +'
-A @' @,,' -CA' AD' @,,' @D
/3' -'+C@ +' C@ >,,GZ -' '+-'-E +@ -C'C@D> @'
+.>@Z @ C' AD' +@ CZ @+ ' &' $ '&' !%' +-'
C@D> @'+B@' ?->A+'- '-A@' '@S@C+ -A
^4QPM 6' 0 &' &''; =/@ 2' D@>' ' ?' -A.'
+'+B@'E ,,Z +-' @' ?G' @G@ ' C-?'C@ D A.Z AD' ?G' ? AD'
C-?'+B AU A. a' 4QKP ' $$# G' *&!& "'8@D'L( '
KO -'? U@'> @'-'+B@'+B@ +C ,'JBC @Z '@ @C' @D' ?GY
@, Z E>+' >@ @C@D' ?G' @@, A.' '+-'J- @ -'@A+ C@,GZ
' +B +' +B@G' D@JC @D' ?@'-'+B@'J- @C ' - @' O)Q'
= ' ! 0 0 & 'S Z 3G'@G@' C@'.@++ A.'
@ UZ AD' ' B'+-' @'+B@?' '?>B' 'J- E,@' ;KPM
9 ' = .3 .. PV$ ' & 0 'PO 7 B,+@ !+- U A. Z B-?'
'E D' C DD@A'D- A' ^+-'+B@'C @ aZ +-' @'OC ,, A+' OKP<
< 'c &' % ' !' (!>JJ- A.'+B +'B@' B@D'?@C@,G
+-' @'B@C'A@C @' 0<NQ "# B ' '&%C)' ' ';Q
O@. AA@C Z A'-CD@C'+-' @'+B@? @, @' AD'@ @'+B@' +C A'
-A'B@ C' C?' B- @' C--U@D' AD'+>CA'+B@'J>A+'C->AD
' -D'-C'JC@ @A+'8 -?@B A.'>AD@ C E,@(Z
'D@ @,-J?@A+' D- A' ?@ ;K' @A)'O;' C @' A +>C ,G'
C-?'+B@' @A @' +-' - D'J G A.'-C',- A.% ' , -'@A @P
/ ' -' -D' -C'-A@''- A'J C+ -C'@A E,@' A-+B@C'
+-' - D'8 -?@E>CD@A'-C A -A @A @A @( &,,$ 0+-'
- D-C-E +@+B@A@ @ +G'-C' &' ( AD C@ +'-E*'
- '+B@'J@C -A'8-A@ @,'-C' A-+B@C( B-' 'C@,@ @D
SM-M '9 Y ) V +C' ") ' J +Z ?J' "B'LE'OG'
?@ A@' B@C@-Z ' , ++,@' +C +' -' +?@' ->,D' >@ +@'
.C@ +'D@ ,'-' C +B' ;M;P'$ ' ' $ '"8" U,'!- ( '
QP AD' E->+'?DA .B+'^B@a'D@J C+@D'+- CD'%C +@ ' B B'
@D'+B@.@ @ A.' 'JC@ @A+- 'OD ? U+ - , A.'J@@ @ ZG'
B@'B D' + D'+,,'?-CA A.@' OMP='< 'C! $0 & '
S ' OP<'" -'? .B+ +'+B->'EG'+B ' %%) )-'B @' 'D

G->';
AD' @'+B@'@SJ@A @'-',-A.',+. ->', OQKN &'
-'<P U@'?G' D @Z ?G'D@ C' O@,,Z AD' )@'G->C @,'
+B@'+C->E,@?@' OQ<N ' 0 A' &, $ '8;KLQ( ' ;MK
3 G',@++@C','+B@C@@'-C'?@Z ' +' @'+B@ C'E@A' @A'D- A'
'+-'$- @E AU' OKSL' B ! &'' ' ;LP B@'B>C+D-A@'
EG'+B@ C J, A+@C' ->,D'B @'E@@A' @D' , -' OK;P!- +'
<)"' 0SS Z B@'E@ + G' '+-',@+'+B)' E,-D'E CU@A'>J-A'
B@' >+]+B + @' 'J, +@C ' SKKM $',0 5$L'0;L'3 C'
PO B@'-A,G'>@'-'J@C'?-A@G' 'A' A.'>J@ @Z AD'
+@ C-'.-,D' !!&)% ' " 0 0 ! !0QQ '+@AD@A G
+-'+ U@'!> U' +@)Z' '>AA A.' CD'+-' @' '
+'E' &' $ '8' -? A'('!&' ' (+-' A+ J +@'
AD' -'JC@ @A+' +' , -' &' 0 1 0
' '! e ' ' >';LL'83 ,-A@'!- (Z 3 D ?Z +-' >@

G-' Z
--U@Z 7 AZ D-@Z,--U@' ' -D 'A ?@Z AD' >@'G->C',-A.Y
A.' OMPM ' 0 &''A'S 'P= #>C O@,D ?@' @Z
+-' @'B@C',-A. A.Z -,D' > ' ,,' -C A' JJ,@' OMMP' )'
' 0 & )'8;KQ=( 'KK %- 6@'B +B@C'! CC BZ 'UA- ' B +'
G->' ,,'-C@ ? ->,D'B @' @'G->C',-A. A.
' '<$- T -' JC@ @A+' +B@' -JJ- A.' D@' C-?'
. A A.'8' C>A* .- ,Z @+ (' &' $ ' 2&( (
%&) 0 )' ' 8%C U@+('' +-' JC@ @A+' +B@' -C A.' -'
' @ -ADZ +B CDZ -C' ->C+B' C>A' -C' B +' , -'8 A'
--+E ,,Z B- U@GZ @+ ( $1 &!0 +-' @' ' . - ,
OK;M ' A'O-S' ' 0 <$-' , .'8;KQQ(L= -A.'
!+-J ] B '? A' B->,D' + AD' 'JC-J@C'D + A @'-@B AD'+B@'
U@+'*+-' @' 'C>AZ '+B@'E ,,' B->,D' A-+'E@' +-JJ@D'EG'
+B@' +C U@CZ -C' U@+'U@@J@C' OKPN T ' ' 0 $')!
8;KP;( =< -A.' @ . ' > > ,,G' + AD '+-' @' ->C'C>A' ;KMQ
'<) ' & ,- '< &)' 'LP $ ' ' ) 0 '
!+-JJ A.' AD'C@+>CA A.'+B@'E ,' -' !> U,G'+B@'E + ?@A'
D C@'A-+' ++@?'J+' 'C>A' -C' @ C' 'E@ A.'C>A' ->+' !
P' : A'O< L'5-C'+B@' -' @C : U -A' A' - ' @D' @,,' -A'
@ @C ,' - -A '^B- U@Ga' 1 0 ;# A'MP O O>+'B ' B-+'
' @D'EG'+B@' - , U@@J@C'^--+E ,,a
D ' !!' $ )( A' JJ, >D A.'@SJC@ -A' > @D'
B@A' 'C D@C'B ' - D@D' ' , -'8 A'. ?@ (
B@A' 'EC ,, A+' ' @'"B 'E@@A' ? D@
KP< 9 ' = .3 .. 1"'< $' '60 0 &' 'B@ @,,'
>J-A'B 'B@ D' A+-'+B@'C- DZ AD'C@ -@C@D B ? @,' +B->+'
>AB-C A.'?@Z '7 @,,' @DZ?G', DZ AD'D@ , B' @,,'C DD@A'
+-- D'+B@'*-,,G' @A@C ,
```

[illegible]

***1A !) ' '6 /' 6' $**

3 2' 8 @' @,-

[illegible]

***1A) ' '6 /' 6' $**

***1A)1$0 ' 1 'A1 '66' I' 1 0**

***1A K0 . 0c' '6 / ' 6' $ &' $ &'**

3 '8) D*(' , -' =' 1 A ' = P' 1A

[illegible]

' ◻ / 1)' '6 1A!)4' ' 2) /!N!)4' ' '

[illegible]

***1A 0' '*1A 1E' ' '66' $ &' $ &!'**

***1A A)2 L' ' & & $ &**

1A Eb' ! ' '6 / ' 6' $ &!' $ &!

3 $ $ 0 &'D700EL*7 '7?' 5'

( ) - 0 7 E = ' 73 = '?701 '7?' 1 8

3 2/ 332' 8 @ (2 1(!$' 0 , -' K

( ) - = 1 - ' ( ) - 7F = - -' 1 ' 8

3 2/ 332' 8!O@ (2 (!$' 0 , -' K

[illegible]

! >. '8) .(2 1!(10 ^' 3' 'N" 7Q!V

[illegible]

( ) K' 8) I(2 * * 0' $' 0' 3 ^' 1' ' i

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

' 9 : S 2 1 ' 5 - C ? ' = P MC,G
b 3 2/ M 3 ?/ 3 / M _ 3 2/
3 2/ b _ 3 2$ ^ ') , ' 1/ H2$G N$L
2 7 +B @A*-LAA@A+ +B C@, B J,@ A+,G
.C@@ E,G U@@A,G

[illegible]

E ' # ' @@J A.'& -A +@,G2 E ++@C,G

[illegible]

/ ' 7 +B'>AD@C + AD A.' +B JJC@ + -A' @,G
@ @ + @,G

[illegible]

3 2 8!) <C(2 ,)' AD 1(5 - C ? ' $ L

[illegible]

E ' C + G A.'+-'+B@ @A @ - ' ? @,,' C .C A+

[illegible]

i !$ A'C@, . - > 'JBC @-,-.G2 8 ('5>,' - ' J C Y

[illegible]

=1+ $ &K 7 ' $$ - $ ' ' 0 (/ @D' = " +B ? D@G->C

[illegible]

6 @D2 A -A+C D + A + -A +-' 2 (' +B@

[illegible]

0 ' 1(' ->CG D B 8 @@ 2 L(' * ,(' --U@D

[illegible]

()7E0+' ()7W0,-U=--' 1 ' 1 8
3 2 8 - (' ,-'M ! -@2 ! -G@ ' ^
5 ' &% & (+B@ A ?@ - ' C@.-A -'!' 5C A @2

[illegible]

/ ' A - ,2 $ &"'1 ,) (' U AD' - ' J-A.@'

[illegible]

Q ()7+S('7'(< 1 0 " ' 1 ' '

[illegible]

3 2 ' ,=()7> </'1((<$(0('5 ' $ &"T
$ 8 @CA2 3$ +(%0 $ & ' @@ ' (< ' !

[illegible]

' A + @-C AB E + A+-'! -G

[illegible]

/ ' A AB E + A+ - ' +B@ JC@ A + - ' +B@ ! -G

[illegible]

M ' $ %0 0@,-A. A.'+-'! -G

[illegible]

()7+0- '=()0- '73='?701=' 8
()R<-' ()0+' ()*-' ()E0 '73='?' F
1 8 1 3 1 8
())-+ '=(0+U)(0(*?701=7? 1

! G->C2 GC8@2 -E ' -AA ' - ' $ &
! G+@2 -E ' -C?'-' !
1 8 e((1 ' 5 - C ? ' ; ' + >2 ! ' = .E2

[illegible]

/ ' N&&!0 'J C+ -C -C. A +B +@@+B ,U@'+B- @- '

[illegible]

L ' ^&C-J@C,G 'D + A + -CD2 ' 6 b a
A.'? - @?@A+ 8 A'C@ @A+ / @+ (2 E ' 0
S 6

!' ' S. ' '8@ ' +LM 1->'. A' +B@' D A+ .@' -'
@ + E, B A.' - ' ! ' ;Q!!' &' '&) ' - ' MN A' = 8;QM;(
' 4<P2 ' -C @ 'O2' B- ' -G',@ D A.' !J D@ 2 J, G ' A+-'
" AD2 B-'C@+>CA ' '%,>E2 AD' -' +B@G' .@+' ' ! 'E@+ @@A'
+B@?2 ,';K<N E*' &' $ '<$ - '& A$ 'LQ' ! 2 ' B@A'
@)' J C+A@C +C>?J ' 'D @C@A+ > +2 AD' +B@G' J, G' +B- @
> +' +'-'@ B' -+B@C' -C' +B +' J>CJ- @' n

[illegible]

? .(' ? (;KM<)L(' G
B @ +' E 0 0(' , ++,@' - ,2' ", $!$'$,$,$:
B@++@C2 8-(' f ' $232 :' %+' +B@' ? C B'+ + ? -> @2
C$ - ' *$!) :' -CU' & %0 8 @@' I > -+ ('
C %U' ?& 0(+B@' @ @@D'),) ' $) :
C@ +' f ' $23 0 , -' 8 . !' @+

[illegible]

T $232 $,.0 $%> ' = ' , 0 5 ,0 'N= B@A' +B'
+B@c! ' C@ +2 +B@G' @+ +B@' @@+B' - ' +B@' ! ' ! '
'%' S ' # 2 B ' 'D-A@EG' J>++ A.' A' A +C>Y
?@A+2 ,,@D' ' $232 (E@+ @@A'@ @CG' -+B@C' + -' @@+B2
AD' . A.' +' ', ++,@' 7 C@A B' 4K=4 C ' '' ", !0 4 4 ' =QQ ;'
' $232 ' > @D' -C' @++ A.' +B@' +@@+B
! 8 .(2'S /' 5-C? ' ' >' 8 @(2 2

[illegible]

$ '+ # " $ '(H '8 3 " $ ' '
? -D 'H # 2 $ $ 8! $(/ $ +
B@ J + - ? @+ ? @ -A*>) +@ +C-A. A +B@ ;P+B I
B@ +C J JJ,@ 2 B B ?@ A+- > @ + +B@ ?@ + ?@2
A- J@CB @I> ,,G >CC@A+ +B +B@ U -C? A +B@ -?
J->A +@A @ - +B@ B) AD JJ D* +B> E ?-C@
-??-A a

2 $' - >+) +B , - +B D *
$)' 2" &%%" &) AD -A +2 ' &(
$50%\ % (6)!$'$ LK E ? U@D@ B@A ++ @ G G@
E@-A B@+ B>CB AD B>CB +- D@ D@ $;LNN) & 0 OQLQP
J@ JC@ + E . A G +- .E J ? ,U C-+C %4=NN "
,! B ? 1! &C-, +- &C-JB@+ 8;KPN(LOP 3 A @
-CD@GA@D@ AD D@?GDJ G@ +- D +B GAA@ @DC@
+C@@2 ;=NN $") MN " >CG @ \ B B ,D C@ +BC@@ OG
-C@ B @.EA@ B + B@ ?G.B+@ @@ O@ A -ADC@ @AA
, ;=LN C 0 " $' & ;; S, 6KM<(;LP A , -E AD
> B-> B + @GA B@ .>C@ 4 @D@ B@? AD A -GA@D
B@?) ;=PN &' $!)$, &) 8;KKK(S- ! - ?@ +B @
B@ > @ ;=KL $ (' !0 L;N O - .B@ +C@2 $ 0
;=KL L <&! ' (O=K O !B@ + U@A- +B@ D@>G,
AD D@J C+@D AD - @A -ADC@ ;=<M 0 $ (,,(
,& !(OK; +@?2 +- -+B C +> C 2 + @ +B +B ?2
S * *D $/ I . ,E" ' ' " +- @ +G?E@C
' B) 10 8;KQK(=O - @ ->+ +BG, ?E@C2 -C
E--CD AD -C J ,@ ;P) ' ',(? ((- $DC2
E2 B@ C ,@..@ @D - 2 +B@ C +-A.>@ >++@ ;P<Q
O '(92 ;QN @C@ D@ A+- F> A+ + @ 2 B->,D
? U@ ->C@ D-X@A - > B E@ CD@D 3@C? +@ + >@ 2
3 +@C !B ,,- ;MS; . L <"@ @D +-A@ 2
@D +B @] 10 S LQ B@G @C@ +-A@D2 +B@G
@C@ @A >AD@C ;M=M 8 C) (?*(
,+ 4NQ OG A. G - +C@@ ;MM= : 9 . (
& - - ' ' 2 2 ' @C@ E@++@C DG@ + -A @2 B A E@ +B>
'D A J @ @);MQK = L , 0 5 ,0 <P 7 B@A +B@G
D C@ + AG - +B@ C 6AD@C, A +- > B J @ @ - !+>
@,D-? G! +B + J @ @ - !+> 2 S*SJ :) B A C !(
$' (4 4 % <;Q B@ @++@C JC-E E,G @C@ @ +B@C @D
- 2 -C +>CA@D A CD ;Q<P # ' . ,0) ($',$
=K " @+ U@ B AD AD +B@ +-J ,@ @, 4K=Q ,
;N = (K< e OK @CG &@C -A B- B@ 2 2
E-C@ 2 -C >+ AG ?E@C -C !+-A@ ;KQM ',",!0? 0
=L S && 1 ' ' + B@ -,>?@ C@ +B@A D*> +@D AD
? J) >J -C +B@ -J@C + -A - A. +B@ E U -
-C +BC@@ .C-- @ C@ A +C .B+ C- +B@ E U - +B@
-,>?@ -CD A. +- +B@ A>?E@C - E AD -A B B +B@
E--U +- E@ @ @D ;KQ) - B) SS LMK C@@
@C@ >+ D- A AD A A+- J, AU SKKM ',",!(? (
4 4 L== ; 7 +B >++ A. @D.@ - - , .B+ . >.@ +-
+@ E>+ , ++,@ - +B@ ,> E,@ + ?E@C +- 1 @D
% > b. 0 ' 3 A C &* 0 8;PKN(ML B@
S+@ , - A +B@ ?@ &C@D ?@A+2 A,@ @ B JJ,G -A@
- +B@ @@+@ E@ @D - 7LC+B J GC@ - !GA -J@)$ SMK-
B . - 0 8;QP<(L;M 6A+ , E@+ @@A +B@ @ D @C@A+
6 >CJ + -A 2 +B + J>,, @ @C , G 2 +B@ B-,@ + -A ,,
A +B@ @AD E@ @D A & @ @ ;KQ< - 0 C$) !8;KKL(
4;< B@ .-AG - B +C@D B B A. +B@ C B@ C+
>AD@C

E - >+ D-@ , - $1 &!(-C ' (
$ S ($. 0 8 !D (OO A+ ,@+ B CJ@ @-CD A+
@U@ ? C+ B@C B C@ E +B@ B>,DC@A A+ B@D@ B C@
+B>CB> $;LLP C & C $! 8 0 ! (, ^ a O J-> D- +
+C@ B@C @ C ->C B CJ > AD ;MM= ' B $ $!(
$ 8;MMP(L; + G, - !+ A.C G2 + ,, , U@ A
C-A

$' %(SKMW) (0 S 2 B@ .C + A. AD
@D C +B@C B A E,@

% - -C? EG >++ A. +B

cb<R . 7 %0 5A " @ G-> @D A-+BGA. E>+ +B@ @
+ - J, AU@ +- D G@ S) K = L , 0 5 ,(KQ
7 B@A G-> ! +B@ O@ @,, A. A.,@ >J-A +B@ I> C@ @AD
- & @ @ % bM ' ($ $ $, 7U
8O-BA( )<, @G B-,@ A+- +B@ B@) - +B@ > AU A.
. A +- UA- BG B@ AU 2 ;) P) '
;P - ? - + J@-J,@2 +B ?@+B-D - A. ->+ J ++@CA)
A -A @A @A+

$' %(4KQ4) .. $ - 0 (8;KQ<(S OK< B
-AD@C >, >C@ B E@@A A +BC->.B +B@ ?->A+ A EG
+B@ +@C - +B@ ? A ;<NM O@ # C $;Q ,,
+B@ G D- A +B@ .-C.@ -C ? ,@ 2 A. + >+ A B@@C
>C @ +BC->.B +B@ C- U2 C B@ -,@A+ +C@ ?

D $1 & - > @ +- >+ +B

, c<]R & - '$ 8!U@ +(;SM 3 ,@>G+B +B@ B-CD@ AD
+B 4=M! $''(&) .(5*0 8$-SE (LN< 3 G
2 ? +GC B D@ -?@A >A+ G+B * @C - / -A G B@ AD
+B@ B ,,@ B >@ @>@CG @CU@ D G +B + +B@ 2 * D2 ;MQK
= L , 0 5 5(KL 1-> ?> +A-+ ! *> + >J-A +B@
+C> U , A@2 ! +B@C@ -C@ C .B+ D- A +B +B@ @AA A+
! S) $ 2 7 $1! S ;NM B@A2 % ,,
+B@ / - +-C2 &-+B@ CG2 !>C.@-A &>C.@2 5,>S2 >A @2
O>CA2 ! SK = . . 0 ;K= % CJ@A+@C 2
A+- B- @ B@ D +B@ D@ , J>+ + +- +B@ B-,@ D G
@ ' (+B J @ -C @ - D? + - E@ A.
A

;Q M !1 , 0 OQ ; O@@ B2 ,, A+-
@S+C@?@ +B A &, AU 1 0 PQ ; B ,@ -C+ - !+-A@ 2
B B ! @ @C +B A 7 --D + @,
/ $' %0 7, +B C@ @C@A @ +- +B@ ? - @?@A+ > @D
A A.2 (+C A & $2 $ +- .@ + >Y
, +@ +B +B@ B AD A. - ?@+B A. A E,@
, -2 & $2 &' > $' (
SM- $ - 0 ? P / - A-+ +B@ GC@ +-- ?> B
G->C B AD +B> 2 E>+ @ ,, .@A+,G ;KS< $! &%
$!! c c$;PK T AD B + JC->D 2 D 5C A @ 2 T E>+ +-
+ AD ! A. A. + B>C B2 AD A. +B> G->C B AD ;KO=
3 - A CC S S2 " @ J> A.2 AD E,- A.2 AD
A. +B@ C +B B C? 2 +B->+ @ @C . A A. A.,@
+@J >J-A +B@ ? c] $ (0 %] :>A@ QQK S 7 +B B@C
C .B+ E AD B@ @ @,@ ,G +B@ C

E - -CU 8+B@ E +(C-? D@ +- D@ A
B-C @' ?->+B , - +B +B@ ?->+B -E*
;K)). 3 $'. $! 2 . -+ B@C B@ D >J EG
A. B@C ?->+B +B +B@ A ,@2 AD J>+ B@C ^+B@ ? C@a
\ C,G + + ;KPM 7) $! *& PLM
B-C @ -E + A +@,G C@ > @ +- + C2 +B@ E + ? G E@ .@A+,G
@D C-? C D@ +- D@

$ ' 0 $
;QLM < ' !($ (M;P S B@A D AD +BC>??'D -A
'CG +C A.
' (8!@@ I>-+ (1 (
M A O AA@,, , ($- 8;QLK(MK - 5 B@C? A 2
B ,,2 -C @ C B -C O CE@, +B A +B@ ? + - -AD-A
OC D.@
! $' 0 - . @ @CC +@D ->+, A@ +- $ c (
;QKN B 7 &) !(: O=O B@ - + J@C @ +,G
@D EG E G
! 2 1 (%&', Y2 0+ K$ M 1(YH
' 0 - J@ U A
;M=K # ?! ' <) ;L " @ +B2 -C C +B@C $'&
+B> 2 B@ + ?@ ,, -?@ +B +G->+B > , >CA> B ,, 7 B
D@ C,G & ,, A@'@C B E@@A @A ->A+C@D
! 2 -E -C?) ("' M M
! C2 -E -C? M
1 !) ! .$ K$) 1 + 1( ] ' '
3 ! 1 ! $
B@ ?@C. A @C 8 , - $21 !! -C),.>+(
B>?? A. E CD - +B@ .@A> $ - * & &'
4% & $21 !!) - - ' >1 +(! ? -+? -+
8 , - $21 !! &!! +0
SK=L1 $$ PC ? ;;;(#_\ B E CD) -
$' HHHH +B@ $@D EC@ +@D 3@C. A @C2 , - ,,@D ! Y
E ,, AD : U SD=< N&&!& OL<L B@ C@D
EC@ +@D ?@C. A @C ^ a E ,, D> U ;KPM (# =
0 ? 0 ? OK= -- AD@C ! E ,, : D 2
SKMS < B.) &, ! $ J < "%) '$) 0 ! E ,,
,K)C 9) & - 2 & $' S 8;KMK(OLP B@
! E ,, ">?? A. O CD 4< "C) '$) +0 SKMJ) L $
$!! ?.0 ? KL B@ ! E 6 $-,,@C
- >JG +B@ -C@ + - !->+B ?@C SKQ
%-> - 0? ;QK & - & $ 8?-+?-+ -C E ,, (
! - ! ' E ,,@D 2 B A. @CC +@D E ,,
O> / < '0 "'&* ? PQ< ! E ,,@D
&@, A ;) Q] A $' 0 ' ' $' &,0 2 ;O; ! E ,,@D
/ > U -C / @C
1 ! 8 * 7 cAX(!$' (^ M 0 i
+ OW $
SK) C ,. 2 0 SSS2 T 7 B +2 D-A'+ G-> UA- B +
! E-A@ 2 ! C '2 @A I> C@D 3 C 7 @,,@C T +B->.B+ @ @CG
E-DG UA- 'D ! E-A@ !>C.@-A " ;KQ= "
4 GG . , 0 !) 1 ;MM B@ @ +-C AD E-A@ @
SK)) ' 77) &, & ' ;<M : ->AD B@C +B@
A @D EC D@ - J C B E-A@
! E-A@ A 1!(\10 4'&', 32, +(
$ >+ = F $ & 0 ;<M : B D 2 B D
+- @ A ? G EC@ D I> 6 DC A. -C E-A@ A.
! - @2 ! C2 $, , $
! D A2 ! D A+2 3 $ $, $
! D8@2 3 1 (
i 1 $ 1 (K $ $ &) 8 -CC@ J2 +-
&C &) $)" &! $ &" ?@D &! $+($ &)
@@ . ! -,D @C' 2$
% 4PNN !) ' ;=K T O G ?G @G+B 2 D 6CG A2 @ C@
A-+ - ?@ B +B@C -C +- + U@ D@@ A@ -C A- G,>@C
! D@A2 3 $, 1 0 $
1) h= <5./ 1(,&!!&D(K ' /
$ $; 1 &% $2 T(2/ ! 2$
L J[' . B !&,. - (!@C S QK B@ .-@ +- +
>.,G ',, . @ B@C D- @ - T - + D@C O &% 1
A % S 8;KKQ(L=O ! - + D@C +- +B@ ? ,, - A@C 8>A,@
+ U , >,,G J) @D(D ?J@C +- +B@ ?@A ;KP= I
- uFI .) (8;KK<(: OLO " @ EG D A+ - . --D D AA@C
AD - + D@C A ,,G DC +B@ ->A+CG .@A+CG +- B ?
SKKM . "?) $ - & ' H" , B@ B D D) @
, +@A A. +- +B@ - + D@C "- %C E+C@@ +B@ E AU@C' @
1) 5 1./ (,&!!&D(K$ M
$' 0 - / +- T E>++@C
L 3 0 = & &% !0 !@C ; ;2O<Q " . E-A@
? -+B@C DB@C@D B ? >J +B@C ? AA@C ;KML $ 5
B * $' 0 (% ,$ OKQ - T CG, A. >J +B@
.@A+2 +B@A D@C A. B ? D- A
! D@C2 DC@2 ! $
! D->C2 -G@C2 ! $
! D> +) h= A_ ./ 1(^ M 1 i / >! 10W
7 --D A +B@ + +@ - ? ,, J C+ ,@ 2 D@+ B@D
C-? +C@@2 J, AU2 @+ A +B@ JC- @ - A.
$/J+ . 7 OMP ;) @D> +2C / C@D, 7 S *) 1! ,$
L== 7 B + G->C EC A J A +> +@ +B ,, >,, -C
D> +@ $/>J B 8;KQK(=O ! >@ @ D> +2
AD EC U D> +2 AD B@ - A@2 -C ,,@G +- ,U@ A2 +B
A@ .BE->C - +B A@2 $ SMK- B . ! * $' ' &&' 8,-A.
@C @(OSK 3 U@ %B J - ,? JC-D> @ +B@ , C.@ + C@@ 2
#C - A. ! D> + >CA B >C @C @ ;QSO : # +C
?!&' <$ ' ' ;QP A+ 2 C@ DC @A G-G +C@ Y
A. @CG A@ !),> + O /& .) \ )
- (, '&!0 8@D @(MN 7 AU,@C @A ,- @D B J@ ?@A
A C> E,@ >CC->AD@D +B D> + $ & = %
N &S+2 3 G D-,, +> @D +B D> +
$' %0 ADG) 8!-?@+ ?@ +B C@ @C@A @ +- 7 # # / !!!)
+B@ > @ - D> + -C +> , A. D-,, -C J>JJ@+ (
SKQL = 1 66) A $ D0 $) < O B@
D@ ,) +>CU@G XX,@D G +-) > 4K<N % 2 .
& , SM ,, UA- U +B@ D> + ->+ - AG + - ?@A A
+B E-,@ - J, @ ;<NK $ &' ;O !@J+ KL) O B@ -+B@C
B C +@C C@ ,, D> + AD C@
O A D@C @A @ / > + - AG ? +@C , JC-Y
D> @D A +B@ JC- @ - A.2 $ 0
4MQO 9 &) ' ;; ;LK B + D-A@ @ ,@ A @D +B@
->AD C-? +B@ ! D> + 4KLP "M & . 8 A ',",
&*0 8;K=P(, MPN ; ^ -CGa C>EE@D - @C +B , ++,@
- + - A D> +
$ 10 AD &%% 10($2) *$: $2)
! . D* +B C@ @C@A @ +- +B@ > @ - D> + -C
+C@ A. +B@ C@A - C > 2 D> +) C+ +2
dC A. D> + J- D@C2 >E ++>+@ -C .>AY
J- D@C2 JC@J C@D EG +C@ + A. D> + +B D

;KKL %@A+>CG $ 0 4 4 Q=M 2 A-+ , ++@C@D +
E@ A. + U@A -C c D> + C+ + O OO) 8 <) $'$
;=P B@ D> + , U@ EC@ D ;KQ<
< & > $ *0 *0 4 LNK C@ + -? -C+ D@C) C-?
+B@ > @ - +B@ D> + J D $ J - . A ',",
? 0 4 OQK O &C@J C + -A ,6C +- .>A -++-A2 A +B@
JC-D> + -A - B B --D EC@ > @D +B@ + C+ A. J- A+2
C@ ? A> +>C@D >AD@C +B@ A ?@ - ! E>,+X@' J- D@C2
) D> + J- D@C2 AD J +@A+ .>AJ- D@C ;<NO $ 7
$ &% C$ $ S O<M 8(A @ -A,G +B@G
^+B@ C > JC- @ -Aa C ,@D +B@ D> + C A.
1= 2$0" ! / 3 /
! 1 D 1 $
SKMS < 0 5* , (2 C@?@?E@C 3C ">EE,@
+->.B B .B B->,D@C@D +--J A. -,D ? A2 - D> +G
C .C A @ 4KML] E ',& - - 0 $ 0 SS 2 E . +@,,@ E- CD
B D ,G E,@ A D> +G J C,->C SKK- &' 0 &Q
!&) < ! ;QO A B - @+G - ? @+ ? @ @,+ +B + , @
+>J D2 E>+ A@ @C +B + + B-,,- AD D> +G ;K<L
: 2 ' 0 C 0> $ " LPM / CG2 + +@,@ 2 D> +G
B +@ EC@ D O 0% = 66 A) $. < $' -& PP2
; A@ @C , U@D DC@ A. D-,, 2 +) EC->.B+ -A@ A+- +--
-A+ + +B +B@ C D> +G A D@
1) &= ./ $ K$ ' 4E G@$L $' 0
G 3 / / 1 1 1 $
1 **E $0(19 1!0 0
$ && . 0 0 1) " S 2 D> +@D
+ @CA SK P & S B@ @@J A. AD
D> + A. - +B@ -??-A C--? XKK & - U7 .) , $(
0 $' : O=< ,, D>,G D> +@D 4K<P : 3)
$! $ ' ;QQ A %B@ ? D + - +B@ D> +@D ,--C
1 2 / 1 2 ,
1 2) . / 1 ,
1) ./**!0 $0 K$ M A0$ 0! a* .
:$ G 1 D
% M **!0 $0 ' !/ $2 3&%%0
') $ 0 2 ' 0 8 CE (;P %@C+ GA@ @D
B-CD@ - +B@ +B, U@A@ - B , @ B AD@ EC@ +B ;P<Q 3
+C <) !! - $) > ( ) (LK ; B@ U AA AD ?> ,@
A U . GA@ D- A CD@ 2 AD - @C +B@ @D E-A@ O%>>
' 0 - * & 0 ;;= B@ C@ + / >U@ - ! S-AG
B +B +BC@@ .C@ + 3 A> +>C@ -A@ - C-A2 A-+B@C -
AA@A2 +B@ +B CD - ! @D ?E@C - ,, -C+ ;Q<M %
f =VI ..<$ '(8;K;L(LQ J , @C +C@@ B->,D C +B@C
E@ +C A@D +- @D ? +@C , JC-J@C,G C ?@D +-.@+B@C
L &O) &! $'$, LN 8)@D C J- + 2 @D +-A@
T -

;$ $
SM) 1 .. &) %0 ? $ PNM >,. C 3 @2 DC AU@ EG
, U A. -C , JJ A.2 ,+B->.B +B@ C +@@+B E@ A-+ @D 4QPQ
1 !! X. F$>%+D AJ% B +C@@ B +B @D
@ @ 2 AD , C.@ -J@A 5,- @C O JO). ' & 0 ?& 0
" 8@D L(=M4 ! @D = $) + B) B CJ +C .B+ @D.@D
+@@+B J- A+ A. +- +BM J@S 4<NN M / # <!& 0 ?& 0
- ($2 && -C $2 (@CC +@
& - 10 ;QKM $ ((;OQ %>++ A. +B@ ?
+B ,-A.2 A CC- 2 @D @D.@D UA @
(W - 73= L(LL4- 7? 7W "
(W - ,* 73= ?701 = 7? 1
(W -7R 0- 73= ?701 7? 1 8 1 8
1 ,=@.@ /> 4=7 =(-0 =(W(0 0? 6
L ! - W67 =(W= 7W 7 (= (
<-= K (* 7 7? -1 L47+1 - * =EL-0=-<-< 3+ 6
C&!!3 $5 ' 51 & . 0 , $ &!0 6 - !0> !0
LO= 7 ,,@,?> !) B@C2 ! .B@C HW (4=PQ & ' $ - ,0
LMP $-D.@C ! S+-A2 @C ;PLM 0 ,,0 0 6& ' G
& * ($' 1((& D +- +B@ @C * +*D ;P) ^ . V
C$** 2 0 $, E2 3 C+ A \ B ? A+@ A@C C@ E-+B
7@C - + ?E@C ;MM= A " -,?@ C&' % $, ?.('
8;KKO(LQO #CD A A @ ? D@ -C +B@ . - . - @CA A @2 -
+B@ - J@C 2 J +@AA@C 2 +>CA@C 2 @C SKM = R
. . 0 8;KKL(" OQ;2 @AD G-> 2 ,@++@C - 3 D ?@
@A+>C ' 2 +B .A@++@ - @A+>C A. D @ G-> +-
C@ D + ^ A-+B@C ,@++@Ca A- 2 +B U@G T B@ -C ,,
?@ A @-C.@ %--U@22 +B@ @C @A+>C
1) / ! $ 1 8 6
1 / ! $ 8 0 8
1 / 1 / ! $ 3 (1
1) = ?$ 7 6 10 > O$ $ 3Y
4! 0 1 .$L ' (
1 5 1
$ '
$
O%%& ' B $ $ 0 $ 8;MMP(;Q ! B2 >,Y
. C,G ,,@D +B@ ! -CD B SMMK . '& - $ 0 ;OL
&'&, & !) (+B@ , ++,@ A -CA2 -C ! B SMK
< 8) $) - ; e K= B@ ! 5 B C 0 S)
)) '$ - 0 ;; A-+B@C A ? ,2 B B ,,@D
+B@ B2 CC @ , - A - @A @ @ J-A2 KMN
<$ ' $) $!) $!0 LP B@C@
J@ @ - ! B J@ >, C +- +B@ > +C , A @ ;KML
@ +- 7 # # / !!!) 0 $ 0 0 OSM B@ @A+ >, +@D ! Y
B =C &* & - , $) +(
1= 2$ 7 6 b?$?L ' 2
' ' % !2 1 I
3 $
B@ ,@ C@ @CG D@ +C> + @ +- @.@+ + -A2 AD @ @C ,
J@ @ C@ D@ .A +@- C-? +B@ J, A+ ++ U@D EG +B@?2
* ' $23% "(& $23% "( ) ' * $23%!"(
' & ' 0 ' & - 0 ;QQ B@ @A+BC@D- ,,@D2
EG -?@ A., B >+B-C 2 +B@ ! ,G2 C-? +B@ -C? + -A
- + + A.2 B B D @C C-? +B + - ,, -+B@C A @ + 2 A
E@ A. D@A+ +@D , U@ +B@ A +C>?@A+ C-? B B + A ?@
+ U@A SK- 7. ' - 0? & 0 8;KSL(O=< B@ ,G
- +B@ .-- @E@CCG +C@@ OK=N ^ @@ 10 OL a SK C "
1 ?.0 $ - 8;KPP(Q= B@ +>CA J ,G2
$!$ * '$) - 0 SKKM ',",!0 ? (4 4 L=L B@
& A@ ! 5,G 4 &*.") * ' + > @ .C@ + D ? .@ +-
J, A+ + -A - G->A. ! -+ B C
$ 10 SK M : , 6 ' & - &!0 SS KSK(LL;
B@ ,G +C E@ ' ' $ +0

1 /' 1 ' ' 8 3(2 ' 3 '
(W K(*-'A' 0?' 6' 'K
: :$ ('YG ' 1' '1
1$!$ G '!2'

[illegible]

?0-* =(W K' (' 674-' 370-< *7 1(J-'W(+'?70
*6-' - *0(D-'7?*6-'=(W

[illegible]

(W> K(*-' B ' 2' '^5 '& !$

[illegible]

' (WK-(' 10 0(' 'T $) $(?' $) '

[illegible]

*' (W\?-0' ($' 0(' $) (Y (
?' $) ' C ' 3-<'70 K(0<- ' 7?'=(K-

[illegible]

1 /' 1 /'-E' ' 8 !' 3I
1 /' ! / $ $ ' 1' 0
(W K') ./1 ' 1(

[illegible]

; ' ,4 (W<E=*' 7W7 4+' %

[illegible]

(<& (=' ' % '
9* =(W K 3- 76'>*' "!
%' 8 @%' 8' &'</ ' =(W EK 34L-J' ,=--'
TE7* /!' =(W K'670=-' '=*774'*0-=*4-
,=--' 6' '#'</!!' =(W K 1 44' L *'>*' 62((
6 : '!' =(W K =*7L' ('D7 *0)(D-' *7 (== =*
674< K'W77<'7'*6-'3- D6'W6 4-'3- K'=(W

[illegible]

'73=' ! L('*' 7?
! V ,+@C2' 73='?701'7?G (
! SA 6' @@' '6 .K
5H 44' ,=">1 F4/' 0?' @ : B' = (('
?' E'H 'V' + '?(D*70+'
W6 D6' W77<' =' =(W' *7 J, AU' 70 37(0<=' 3+'
1(D6 -0+' ,?701-04+' L07L-44-<' 3+' W(*-*' W <'
70'(1(4'L7W-0' 7W E=E(44+'3+'=*-(1/

[illegible]

- D-' (W>1 -0 0D?' E' H 'V'
+ '*6-' L07L0 -*70 70 1((K-0 7?' ('=(W[
1 44' &(W>1 K' *6-'3E= -== 7? =(W K'W77<
' ('=(W1 44

[illegible]

! ? -A+2' -E ' ! ' -C?'-'
! ?,J, C2' ?J,@C@2'-E
(W ' 8 JA(2' ,, ' MVK' @A2' Q'
=(W (-' ^J 'JJ,@'-' 8' 6(*'6(=' >AD@CY

[illegible]

(W '73=' L('LL4-'7? 7W
(W (L,-')(0(*'?701='7? P'
(W -<'3-44F =--' B'
(W <<4+ K-'73='?701'7?
(W <0-=@' '73='?701='7?
(W -+' '=a> /' ' 0 '=- =-' '0-L0' (' D'
47D(4')(0(*'7?) !'=670*' ?70 4-R(<-0U *6-'
D7 -R 7 '7?*6-'7*6-0 =- =-=' '<7E3*?E4
'% '<-0=)-' DJ (1-'?70 (' D7*D61(

[illegible]

; '% =' 2'= L4-*D '?774' L' ?' U !

[illegible]

(D7

[illegible]

' % ' , --'TE7*=/

[illegible]

(W -+',=K /' ' 0(LL' ?' 6 '4 G
: ' 774 =6U ?774 =64+' =- * 1- *(4U 9D(* K'
W6--<4 K

[illegible]

1 2') = ./ (K$ M !' 10)
:// ' (7' W6--<4-' D(*' 3>' 7 (D*' *6-'
=(W -+' *7 ?774>' - D-'&(W> -+ K'* !('

[illegible]

(H (-'3-44F =--' 3 8' ((
(W70 '>7E0,-' 73='?701='7?)
(W$L *C' 0?' M' 'BO' '-RD()(
*7 ' *6-' K07E <'7)-0 *6-' 17E*6 7? W6 D6 ('
?0(1-W70J =-0-D*-<'7 'W6 D6' * 13-0 = L4(D-<'*7
3-'=(W 'W*6 '47 K'*W7 6(<4-<'=(W3+'*W7 1-
6-'7 -'=(< K' '*6-' L* (< *6-'7*6-0 7' (
0(=-< L4(*?701

[illegible]

(W T E ' ! T (W0 'F ' $ &
*=(W =+@44- ' <' '
6-'6-4 7*07L-

[illegible]

(W=+04+ K')(0(*'7? '&
(W*,-'0=--' (8(' 8
(W*-0, ' *-0+'=--'0 ('O (
(W*-0-44' (W* 0-'F
(W'*77*44' 7 6'0 G
:' ('*77*6' 7? ('=(W' 3' '*77*6' ,7? ('
(1(4'(4=7'7? ('1(D6 -/ =6(L-<' 4J-' ('=(W' 70
?701 K'7 -'7? ('=-00(*-<'=-0-=

[illegible]

'$ 1031'=(W *77*6-<' (W *77*6' =*-00 DJ'
6-' 0(3-(K' -(4'4 '% %

[illegible]

(W*0-,-' *0 -' *0+' '6 / '6'/' &!
(W*0-0'73='?701'7?O (
(W* 07E0- (W*+0F @@' !'
(WE0-' (W)-F ' $ &" $
(H W70*' 0 ' !.! .# : '9' 1
1 ' 56' 1'S ' C & ' ')1/ '4!A)' '
A1! ' $ 2! ' 6' @'4) 1' + ' 0 $' '
% '1)% + + "82 '& ++

[illegible]

(W+<4@',=L@(/' 4=7# '=() -0' !'=(W'
+-0-@' !'=(+-E0-' 0 4*-0-<'?701'7? 6 'W*6'
(== 1 4(*7 '7? *6-' - < K' *7' *6-' 0>'=E?? R'
: '2'W70J1('W67=-'3 @-==' *' =*7' (W0 13-0'
-=L' ' ('=(WL*

[illegible]

; ' 6-' (1-'7? (' -WB-(4(<'3--*4-F =--'TE7*=>

[illegible]

& ' , --'TE7*=/

[illegible]

(R' ,==J=/' 701=U '=-(I' 8' 8' '=-(='
=(R' =-- =' =7R' #' =-R' '=- =-' ;F !'=-D*=' "'
=(4R-' =(I,-' =-R' 0 20 $!(=(R' =-R' ^# '
$5(5($5',(4=7' 'D713' 70*61 3' &' 5'
S'W0* K J ?-'2' '-'L- /^ 0=' $5(V'
V' V' !@0,(4=7' 713' V'
- % $ (V'- (- - (17<V'C
J ?-'f' '%' $5'F 1-(*J ?-'2/' $5', W'
($5' =D =70=/' - *'T $ &o(?'077*'T $ 3(
$ 3'*7 DE*F =--' 6' 1

[illegible]

4 ' 'J ?-U (=670' =W70<'70 <(KK-0' M

[illegible]

& O

7 C@ (V@ B> + @A@A@) S ,0 & '(Z5 * -
>,D@ A _V@ @E+>,V@ D@ * UA >@ B ,D @?E A m @A ? D A@
>, A+ @S@ , $A+/ =NSP J@ >A, @ @ ? -D@C ? D @S@
E A@ +-V A @D@ 0 OOL=O 3 D !@ @CJ@ @S@A) 4L--n
[=NN 0 <!&) ,0 8$ -,, (JJ =N 3 D B C@ @S@ B -C>@
J + E-D J@ @ ?@,@

; D67LL K *774 E=-< ?70 *0 1 1 K =4(*-=

;MM< %- &9 A C $ ' 0 ;NN< A B@ A. +
D-@ A-+ EC@ U E@ -C@ +B@ @D.@ - +B@ !@ + 8+B@ B@ A.
A +C>?@A+ - +B@ !, ++@C (G-> ? G A-+ ?> B D->E+ - +B@
!C?A@ - +B@ !, + 4KOL & (. C $, 0 ?) ! (=NN
B@ ! S@ - +@@,2 AD A-+ >A, U@ , C.@ UA @ SK=
7 ' ," , 0 6) e ;KNN= !$ + + +B->.B++- E@ .--D
.A2 2 A B@ A.2 + B ++@C E@ -C@ +B@ @D.@ - +B@ X S
S) .8 :& &- & 1.(50 +--, > @D EG
, +@C + U AD - +C .B+ B-JJ@C2 +B E ,, -C J- A+
JC-*@ + A. C-? +B@ E U -C TB-, A. +B@ , +@

(R (* 4- ,==-UJ=(*7 4 * 4/ $0 4=7 ! 1&1 !:
0(5 ! , *6 D / 70 (< $5 ! ?
$5) - 07DJ =*7 - G

: : # +B@ A +>C@ - +-A@2 1 0 $ d
SD.S 77 2 *0 ;=N @A A @ 2 +-A@ 2 AD +B A.
- S + ,@ >E + A @

; N&& ((< & 0) K 70 K07W K (1 7 K 07DJ=

XMMX 3 .. % (' - 0 %% ' 00 ONP ! S + , E@ G@@,D
DCG , ?@A+ 1 0 OLK :>, S + ,@ 5 B 4QKM
$ 0 0 $' ' 0 =K ! S + ,@ -C C- U
G@,,- ,G -A ;KP= $!) 0 =O >CD (< -+B@C
S + ,@ A B - ,>@

(A (E 4 ,=R2J=a / 4=7 13 10 . : =60 3
' 1 ,70 66&!&5"!& + ' - & ' & '(K07W K
7 *6- =*-LL-= 7? = (

;KQ= " 1 .) 7 V $) . $ ' =L ! ++@C@D ,>?J X)
- $. $&)! AD D C ;KQ= $ 0 ?& 0 !>JJ, 2
5)!(SKK ' ," ,!0 ? (4 M= O =V. + ! U >,
= &!&5"!& ' ' $- -& ' & ' + ->AD A I> A+ +@ 2 AD
>CA B@ @S @,,@A+ >@,

(>R437 (0<C ?&$) ! ' 0 I 0 ? $5 ,(
E=- 7? $5 .5 + 0(=-< L07W 7? (=6 L G , @
" $ % &%/ % & $.

;KLQ 5 %- F6"J6 & - *0 $ -$'T <) OK E- @
,, ^+B@ +C U a -?@ +B@ S E- CD ;K<; 9 ?&$ '
$ $,>- 0 MN $51&$ &) ' 2 $! . (>JJ@CY
?- + -A+ A>-> +C U@ -C D@J, AU A E- + 4N<K
0 $ - <) ' 2 $! B@ .>A ,@ +C U@ 8 A
-J@A E- + +B@ $51&$ + +B@ >JJ@C? - + +C U@ - E- +
- + +B@ .>A ,@ S@D

! S - ? @+ @@ >AD@C L"

(R - 8!N@U (2 0($5 (R7 + ,V $ 1 +0c]
=-< $ 1 0 *7 <-= K (*- (0* D4-= W6 D6 D7 1 - ?07 1
(R7 + (= $5 , ' $ U *1& : ^ $ 1!)
*1& 1 ,(4=7 = 1 L4+ *1& . ((43E1 I-<
L(L-0 E=-< L67*7K0(L6+

;KK= $ 2 C62 & (-(8@D Q(LN= 5 +G B-,@
B@@+ - ! S@ J J@C2 ;KSOO SK3 : ' B7 C $, 0
C && 0 8@D Q(M ,E>?@A X@D & J@C T B@C@ C@ + -
JC A J ,U AD 2 UA- A AD $5 0 4KQM +C $ ' 3
% 0 C && 0 D + * & U@D $ @ AD ! S@ SKK
% ' 0 C && 0 ;OK --D A., B J J@C - +B@ -A +@A G
- ?@D >? ! S@ A @C @ @CG J>CJ- @ 4<N= 5
$!!& ' 2 J ,@ E,>@ >A B D@ +B B AD,@ - ! S@
B A 4<NP -(<$00 O 3 C = O 0- - +B@ A@
! S@ E,>@ ; < N K O < >. ;L O ! S@ AD +>CI>- @ E,>@
E AD@C @ B -+B@C

* (I - (E - ,0 1 0 $ V $5 3)
,? $53) - =*7 -/Q ! (<- 7?=*7 -
S) ' ..) (') =KK A@ %,- +@C C A.6,
? D2 +B C +@ 7 CU S@ A@

! S@ \ 2 -E -C? - 6

(R - 7 E = ,==->J=Id =/ $0 $ 0 0? $5 3) 7?
=*7 - ,? $53) - =*7 - 07DJ/ Q 7E= G ? 70 L-0[
*(K *7 =*7 - =*7 + $5 &) & &) ((-R[
6(4(* 7 =ELL7=-< *7 3- *6- D(E=- 7? L-*0 ?(D* 7

L%>O ; 9 $!!& 0 SS S LMO B + +B@ J@+C G A.
@@D D-+B -A + ,-A@ ? S@-> -C +-AG -D->C -C
+@ ? ^+C A "@,? -A+ $ 8)>-D @?@A J@+C
>? -A + + A -,- -D-C@ S@-* ;K=P -) $' 1.(
*$ ' MM= !> B S@-> ?@+ ?-CJB- A -,D
+-CG @ @A A # D' + ?@ KQP B@ >,JC + A +B@
S@-> B A.@ ,- ++ - +B CD - E -C . A , B@ .B+

(R 7 1 = (R 6 7 0 ,==- J=6@M / 0? *6- (1 -
$5 / =-- 3-47W G 6- (1 - K) - 1 K07EL 6
30(== 1 E= D(4 =*0E1- *= 7? *6- *0E1L-* J <
)- *-< 3+ 1 -4K (6(04-= 7=-L6 (R ,:!":
% Mb./ (< 1L07)-< 3+ 6 = =7 *7 - 7=-L6
J 7W (= <74L6- (44-< (4=7 1& 2 /
4=7 1& 1 1 30(== =*0E1- * 7? *6 = D4(==
, ? $: $ 2 +

SK * " $! C$!$, OKP ; B@ ! S B-CA 2 B B B @
E@ -?@ - J-J>, C C@ , F A-+B@C ?-D +-A - +B@
-CA-J@ A 1 0 OKP O ! S E-CA A ,+-2 -JC A-2 +@A-C2
+>E 2 E 2 \ ;KPM = % . +C ? !&0» & ('
C OL=3 ! SB , - JC-D> @D +B@ ? ,G - S B-CJ!2
- S-+C-?E 2 AD - S +>E 2] EC A +C>?@A+ +B
D@ ?->+BJ @ @ : AD +B ?@ B A ? - +BC@@2 ->C2
-C @ G, AD@C ;KLK 0 $ ($53,& -
$ [› & - (?> , AD A +C>?@A+ > > ,,G ? D@ - EC
;KP< . <$. # 0 SS 2 O<P 5C- ? / D' B CJ +-
3 C / ++A' S B-?

(R D ( ) (,=(-J= J ( ) (/ % $ 0 1 7<A ?-0
& $5 ,$) =-- -R* G K- E=7?3)(4)- 370 K
1 744E=D=U 1-13-0 7? *6 = K- E= 4=7
(K4 D I-< ?70 1 ! S @ = $ +0

S! M # $ A C !0 $' 0 %4 ? LMO B@ ! SE
D-@ A-+ E-C@ , U@ +B@ &B-, 2 EG C-+ +-CG ?-+ -A
1 (LM= 7 B@C@ +B@ ! S @ C@ A>?@C-> 2 +B@ C B-,@
-??>A +@ @CG C@@,G ;KLP : &1 0 = ' 0 ' - 0
0=K B@ C>.- @ - S @ 8A- !@ $5 , $) & $!¥%(
(3 $) 3< ./ $ N&&!0 K$ C$
$5 ,$ 3))U $ $5 %- H ,$ 1/ (

D()(*-/ Q D(G 7447W K 7E* 07DJ 70 =*7 -F
-L *6-* 7? D-0*(1 744E=D=

$ /+ < &!0 ;OO B@G C@ @?E,@2 A +2 -+B@C S
-> ?-,,> KK < 5 31.(< &E =PM ! S ->
B@,, 2 EG J @C A. +-A@ AD ,@ A. -J@A +@ -C C A
AD @ +@C +- 62 JC- ? -+@ + D@ G

(R D74- ,==-2J= J7 4/ 6 0(< 17<
8% 8+ 07DJ = * 7 - * 7 6(3 * G

f L . B

;KK ' ," ,!0 ? ' 0 4 PMO ; ! S -,@ , B@A 2 B B
- >C -A C- U AD +-A@

(=<D74 - ,==-J=4.J<4(/ N (< 6
0? 17< 8% L . Q 0 a ( ) K
(1 7 K 07DJ= K07W K 7 07DJ= , 0-D- * -*= /
3 , % %-0*(K *7 *6- =E3?(1 4+ 8% 7?
L(==-0 - 3 0<= ,*6- =*7 - D6(*=/

;K) " 3 ? P;M C@. CD +B@ ! S -, A@ AD
9>+ ,, A@ -C? 2 , ++@A+ -A B->,D E@ DC A +- ^@+ a

(R D747E= ,==-J= .J< =/ 6 0? 17<
8% L . Q 7E= G V07W K 7 07DJ=

;KPM 7) 3 ? 0 , ' ;N= A A-C+B@CA , + Y
+>D@ 2 B@A C@ > > ,,G S -,-> KKS S +C $,
?& 0 M< ; ! S -,-> B@A

(R .? D(4 0? 8.%+ ,?
8+ 07DJ =*7 - U =-- 0 D/ B" . V , -- TE7* /

$%/% . B < !& & 0($5 % ,$!(+B + +>CA A+- +-A@2
-C ? D@ +-AG

(R ?0 (K (D - 7 E = ,=*-J= ?0(K0 (=/ 6
0 G -47 K K *7 *6- 8 %

;K=P ' ," , & * 0 BBT f ! S C . @-> BC>E 2
$ & ' > . 4;= L S C . @-> +C@@

(R 5 (K (4 ,=$J= >?0(K(4/ (< 6 0?
17< 8G $ 3 C Q (! -47 K K
*7 <4-+2= S (44 (D- 2 8 W6 D6 D7 1 [
L0 =-= *6- 8 + (< ?7E0 7*6-0 70<-0=
- D- (1-13-0 7? *6 = (44 (D-

;K=M) . 3 0 V ' (PMM

(R .5 (K (E * (0 8 +
,=-- $ 3 C + Q ! 6(* 30-(J= =*7 -=

$%/% . B < !& & 0($5 % $ $' ^ a2 +B + EC@ U
+-A@ 2 -C EC-U@A . A + +-A@ ;MQM . ! $5 $3
$' (EC@ U A. 8-C EC-U@A . A +(+-A@

(R ?0 (K - ,=*-SJ= ?-<V 4=7 1&6 14
1& 14 !&6! 140 1N1! 14 $@ 14
1N!6 !4 0(8 8
,: *6 D / (< 8 ,=D !) %4 +
8 + ,=D + / =-- -R* -< 6(<
(4=7 8 + , *

B@ + A A ?@ 8 C-) EC@ U,A.(JC-E E,G . @A :)
> @ ? AG J@ @ C@ ->AD .C- A. ?-A) +-A@ AD A
+B@ ,@ + - C- U &, AG JC@ @CC@D +- D@C @ + C- ? +B@ >JY
J- @D 6 +B-A+C J+ C+>@ - +B@ J, A+ = 0 0 SS 4S e M=
,$!,)!& ,& *& $ - * !! B $' D) +(>AD +B @ B
B D .C@ + >CC@A G E>+ $5) - C C-? E@ A. GA-AG?Y
-> +B ,$!,)!) 0>]

: + L4(* 7? *6- K- E= 8 -=L
+ ,H6 *- -(<7W (R ?0(K-/ 6- E1-[
07E= =L-D -= (0- 17=*4+ <W(0? 6-03= W *6 *E?*-<
?74 (K- (<L(D4-=7? W6 *- +-447W 70 0-<047W-0=U
1(+ 077* *6- D4-?*= 7? 07DJ= 4=7 (LL4 -<
7 0-4(-< L4(*= (= *6- K- E= &; , +
,V74<- (R ?0(K-/ 5 , 8 , E0 -*
70 7EK6 / (< 5 ,V0-(* / +
, , -(<7W 70 %-LL-0 / *6- K- E=
, -(<7W /

, [==NC & - *0 C$ 0 ==O ; ! S C .@2 B@CE@2 $5 $) - %
$5 % $ $(, ;=LN * . $) A@ D #S-A (;ML ! S C .
>@,) S C . ? , @ + J ?J A@,,-2 C D+@@ >+ ?>C2 @+ 2
S C .@2 X. < 1$!! SSS > 8;PO<(N +*2
$5 % $ $ - ' & 0 B@ ,@ @ S C .@ $/ I B
$- & 1 KQ B@ @A.,, B@ ?@A ! S C . 2 B B
+B@G , ! S C .@2 E +B ,@ >@ ,GU@ ? , J@C @,@G2 \ +

*2 & ?J A@ 6 -C C->.E@ S C .@ cSP K
MK B@ B +@ ! S C .@ +B +B@ AD@A+@D ,@ @
?- +@ -??@AD@D -C +B@ EC@ U A.@ - +B@ +-A@ ;PQK
& & ' . Q OKQ # B +@ ! S C .@ -C !+-A@
EC@ U@) 1 0 OKK -,D@A ! S C .@ ;P<Q <) 1$!
KKQ 0>CA@+ ! S C .@ R(C&!"3&!10
S OO; !- ! S C .@ .--D2 AD " C+ +-A.>@ -C +B@
!+-A@ 4MP;) C " $' ;L< B@ C--+ - ! S
C .@ DC>AU +B 7 A@ AD A@. C >C@+B +B@ &@ + ,@A @
;MKL & (8;K=K(;LO 7 B@+B@C +B@ !@ @, E@
J@ @ D + A + C-? ->C A., B 3@ D- ! S C .@ 4QKP
= &) $) › ?& (S S 8;Q<=(OQN %-??-A 7 B +@
! S C .@ ,- @C @ C,G AD A .C@ + I> A+ +@ ?-A. +B@
.C QJM 9 7 ? 0 C!$ ' 6 D L(O<P C), 3
$$') - ! $) 0 (! S C .@2 -C !>,JB>C -C+ ;K=;
C ' '" " ,!(4 4 =KM ; 7 B +@ -C C A>, +@D 3 @ D- ! S Y
C .@ 4K=M 1 0 !>JJ, P=Q X !$) * $ ' 3 @ D-
&@JJ@C ! S C .@ SK K : 7 . , !!0 8;KP<(;M=
B@ C + + C - +B@ B +@ S C .@2 B B B A@ >J-A
-?@ .C@@A > B -A - @+ ?-

3 ,W *6 YY / + 1-13-0 7? *6- K- E= 8+
% $ $ 70 7? *6- $5 % $ $, - 0

$J> & & ' ;; OKM B@ ? , ! S C .@ .C- @
AD@C B@D.@ $> / = &) $) › ?& 0 S S2 8S!"#(
OM< A +B@ @ -AD ^-CD@Ca G-> B @ ,, +B@ ! S C .@ 2 -C+G
+ - A A>?E@C $ & 8 \ ?$ % C $' 0
PL B@ ! S C .@ - +B@ D -A > X-A

: ; LL4 -< *7 D(0(W(+ =--<

;M<M C !0 $' 0 4 4 2 LPN $) - .C- J,@A+ >,,G A
->C & +>C@ +B@ @@D +B@G ,, ! S C .@2 B B +B@G
. +B@C AD @AD +- -AD-A

6 =E=-< ?70 3

;MQN / 0 2 & 8;K=P(# B .C@ +@ +
J C+ - +B@ , AD @CG >,, - ?E@C2 3 J,@ 2
%@D CH ! S C .@ 0) B

#$ 8 *
%b]_) ? 0 $! @ 8;PPQ_QO &>++@ +B@C@+-
+BC@@ A@@ - ! S C .@ C-+@ 1 0 QO E2 D D + U@ -
! S C .@ @D@ 2 A A@@ 4M<= . ?& * ' 0
8;Q;) KM ; !+C E@CCG -C ! S C .@ 7 +@C 4K=[C ' ' "
" ,!0 4 4 =KM S B@ C--+ - +B J@ @ $5 % $ $ $ ') 3
!$ $](-C? A. +B@G D-, ++,@ .C A>, C ?) @C@ + -A@
+ ?@ -,D A) @ B-J >AD@C +B@ A ?@ - S C .@ @@D

(R ? * (K - ,=*-J= ?0(<K 6/ 0(8
, -=703 (ER :&!&/ ? 8 + F =--
-R* G =L-D -= 7? KE L7W<-0 ,=-- TE7* :&&"/
B@ + +@?@A+ A I>-+ SKK JJ @CC-A@->
SKK < <) ' L) 3 + C @++@ AD ! S C . A@ ^S a
C@ ?@C@,G , @ -C DGA ? +@- D @C@A+ -A +@A @ AD
+C@A.+B 4KK<%6 / (5*!& 9 ! S C . A@ -AY
+ - +C +@ - E CG+ QQ J C+ 2 %B C - , #; J C+ 2 ! ,+Y
J@+C@ O J C+

* (R ?0 (K 7 = 0? 8$
+ ,? 8+ 07DJ J % *7 30-(J/
J 7E= G 6(* 6(= *6- L07L-0*+ 7? 0 30-(J K2 70
< ==74) K *6- =*7 - *6- 34(<<-0 4=7+@

;M=M 8 + M C) (* 0 3]! S C .-> B@CE@ 2
AD > B C@ -A @ @D - J- @C +- EC@ U@ +B@ +-A@
;MQQ 7 ' B7 $' & % ' > <K2 B @ S -C @ @A
A + A @ ? -C@22 B B ,, ? U@ > B ! S C .->) @2
+B + A- C>J,@ A + AD E@ -C@ +

* =< 2/ " 8+
5 ? 8.%+ 2 $L 7 *E0
07DJ $ " $?2 "
$%JO ! $ * %,$ ' S G A.

(I K- 7 =) & = & ./ 0? 8
C+ 8+ 07DJ Q + ! /
) .U 7E= 6- = 6-0- I
2 1-(@ # *
V A : 6(*) . $

;K= 8 & $! % e S M= B@ S .@A-> 6+E-
JBG+@ SKM 3 :0 2 =SP ! S .@A-> J-,GJ@
-C , +B-JBG+@

* (.A =44 (< (R =-R
-R =D (R == -== 0 Z 8& 8%?
(R7 =F =-- ? 0= E
,; % V % % 8 ; >^ L
(<

8(0 & ' (A ;NN<2 OC B+C -C C@)D@ 7> A- ,D
E-A@ !>+)@ S A $!@ S Aa +- E ? GA A. S -W
Q [4 !@-DD@A -?@A ! @S @ ^% !QP ! S @a ?@A
1 0 ;=;=L B >,,@ E ,,>@ @AD@A +@C ? A@ >@2 V +
!@S ??-A 1 0 ;=)Q< 5-C+ ?@C J @ OC>++ \
$->>@AA@ ! S , ` %B ` ! S @a 1 0 O<<ML A., @ \
!@S @ @->@A+@A@ E> @AD ? D ? B@A @-C@A +- B@- @A
c] $ &! S LNP2 UA- @,, +B@ @ ! S B
?@A

(R7 ,=-@J=< / (< 701=F @
(R7+ ,- # (R7EE -==7+4 - (R=7 ,-
(J7 0(8 (< 8 , 71
= K 8 L* 8 V0 %*74-1+ <@7+-=/
(e V-0 ' , 8 8 L V
G , V %

+ B -A*@ +>C@D +B + +B@ A ?@ ? G B @ E@@A
D@C @D C-? T $. GT L 10(+B@ A ?@ - +B@ @) A
> @D E) +B@ ! S-A +B@ JC-E E,@ D@C + -A - +B@)
? A +AE@ A ?@) , C-? # >+ T) -CD a

: - 7? (V-01(D L-7L4- W6 D6 *6- -(04+
D- *E0 -= 7? *6- 60 =* (-0(<W-4* (0@ 7 -(0
*6- 17E*6 7? *6- 43- (< 7? W6 D6 7 - L70* 7
< =* KE =6-< (= 2 8 ,=-- C($ +
D7 TE-0-< (< 7DDEL -< D-0*(L(0*= 7? 7E*6
0 *(*6- *6 (< *6 D- *E0 -= W6 4- *6-
7*6-0 *6- 8 ,1-< 2 =+ 8
-<(U)% 8 0-1(-< V-01(+
?*- 4 J- 2 8 (LL4 -< <=D0 1 (*-4+
*7 (44 *6- V-01(D L-7L4-= *6(* =-**4-< 0 *(
4=7 (K4 =61(W67 = L0-=E1-< *7 3-
<-=D- <-< ?07 1 *6 = L-7L4-

a & < . B 8$-,, (OP=N " + - .) @ E@
S-GA E) -? @C + +- ,-AD@ ;L<N < 8 & ' 0 0 ;K=
! S-A AD -C+B UAGB+ ;=NN & 0 #RS8
! C X@A@ AD !@ -GA@ , ;=ON & ' 0 !& (N< ! S -A@
@C@ G ,@J>D A.@ + ?@A , ! ' L . $>J #>C@
@CC@ .@ A +B@ S-GA 1 0 S> ;<L B + D G @ A
,- .B ? AG C X A - +B@ S->A S) Q) ' & (
V%) 2 !0 S 8;KQN(;M= : D- ? C>@, .C@ +,G B- +B@ ! S -A
B->,D -AI>@C@ A.,-AD@) S < ,!(= 0 SS
8;QKQ(POO B@ @ - + - >, AD OC + A @SJ- @D
+- +B@ D@JC@D + -A - +B@ ! S-A 1 (S55 e F :::: M;L
BC@@ , A+ +C E@ -C A + -A - @C?) +B@ T) (
+B@ &! $5&' (AD +B@ ' ! 0 $ J% 4
$ (1! " 7 U 80-BA(LL B@ -C? A B -?@
J-J>, C,G +- C@JC@ @A+ A A., AD +B@ C +- C +) AD +B@
! S-A +B@ D@?- C + JC A J,@ SKM 7 " # 3 0
$' , e M 8;KQO(MP / D@D A+- +B@ +BC@@ -VA @D@C @
- 7@ +JB , A 2 # +JB , A 2 AD A. C A 2 +B@ ! S-A
- >J @D + +B + ?@ +B@ .C@ +@C J C+ - -C+B@CA @C? AG

3 * 17< E=- , % ,L0 1(0 4+ (= *6- *-01 E=-<
3+ -4* D=L-(J-0=/ K4 =61((=<=* D* ?07 1
(H-4=61(70 0 =61((7W4(< D7* (=<=* D*
?07 1 (K64(<-0 ?

SK+- $ " & % $. SSS 2 "@ . @ B ? - E
" .B, AD B@@C AD E D@ +B@ ! S-A B C@ E J, D KM
C ! * SSS2 ! -C@ - ^ C Ba .@A+,@ ?@A B-
->,D A-+ -E*@ + +- + U@ +B@ ! S-A ' J G >A+, +B@G A ,,G
B- -U B G-U@ -

; (*) - 70 6(3 * (* 7? (R7 + *= 17<-0
V-01(=- =- D4E< K *6- J K<7 1 7? (R7 +
6- %0E== (L07) D- 7? (R7 + (<D-0(L0 <
L(4 * -=

>! ! < ' 0 $ / = ; B@ ! S-A 2 B- ,-A. A @
B @D-A@ .C@ +D ? .@+- G->C - C @C -C+ - %,-+B
C " , ' , 0
;KL< X , 0 E =KN B@ S-A C@ C+C D.@ , G@D
+ @ B @AD2 B C.@D +B +B@ EC ,, A+ +>CA A. ,C@2 AD
J@C -C +@D +B -A@ -C+ -B-,@ ++B@ @S+C@? +G- +B@ ?@
D ?@+@C ;KQL 7 " 8 C" & '" KQ ! S-A
^ C@a > @D , C.@,G A +B@ -A +C> + -A - @+ J @ @ +B@G
C@ -?@+ ?@ ,,@D %B A@ @ ,G@C
2 ' E A .B+ ?-+B2 $ ' $, ! ' $0
;KM< I (8 ? 0 & =OL
0 $ B

-C E@,-A. A. +- +B@ ! S-A 8 @@ (
5-C?@C,G - +@A > @D 8, U@ ' !& $5& +B@
D +A + @@J +B@+ - +B@ #,D A., B, A.> .@2 AD
- E--U C ++@A A +2 AD - +B@ J@C -D - A., B
B +-CG E@+ @@A +B@ -AI>@ + - 0C + A EG +B@
! S-A 2 A.,@ 2 AD :>+@ 2 AD +B@ -C? A %-AY
I>@ + H $5&'' ' ! A.,- ! S-A

! $5&' J@C+ A A. +- +B@ #,D ! S-A -C +B@ C , AY
.> .@ @@ S AD 0 O E
;PMK # 8 . 0 & *0C$. ;K :^ A 2 7 U ;K=K
4FL2: B @ ->AD -A@E--U2 C ++@A A +B@ ! S-A +-A.>@
+ ? G E@ , C > -C ,, ?G >AA A. ;P) B
' 0C& 8 CE (<N " - E-CC- @D -CD C-?
+B@ C@@U EG +B@ E + A@ AD 5C@A B2 C-? +B@? EG
! S-A A.,@ ;MNP 1 - 0 $')$ O= B@
! S-A ,@++@C & ' 0 ;QK; < ,!0) 0 SS 8;QKQ(
POL B@ ! S-A J C +@ 1 T SSS M;N B@ -EY
>C@ B A+ - +B@ ! S-A , AD BC-A ,@ S! J ! - +
$' & S, 2 B) -A - ! S-A C-G ,+G ;K<= :- "++
!# "*& T PK; C@@U2 "@EC@ 2 !) -A2 \ 2 -C AG -
+B@ D@ D B C +@C ;K=N)$! ,,!0) ' !- 0 8!>C+@@ (
J S 2 A A+@C, A@ C @C -A A+- +B@ ! S-A , A.> .@
$ &0 = B. 0 T ;LN A C@, AD ! -+ AD
!->+BC-A @C@ +C-A.,G E->AD +-.@+B@C EG +B@ C -??-A
! S-A -C . A SKDb 7 " # 3 0 $' ,)e M8;KQO(
MP 7 + U AD E@ ?@+B@ B@C- - +B@ ! S-A C@ + A)

E 6 @D +- D@A-+@ +B@ @,@?@A+ A +B@ A., B
+-A)@ B B D@C @D C-? A.,- ! S-A
% $5&'3 ' ! % ' ! .3 $5&'' A.,- ! S-A
$/ 0 B ' 0C& SSS 8 CE (Q0 B -CD
8 -A.(B B ->C A +>C ,, ! S-A A., B -CD 1 0
S ;OM #>C >,. C ! S-A A., B + AD A. ?- + J-A
-CD@ ?-A- ,, E,@ 1 0 ;LN -+ -A+@A+ +B +B@ > ,
-C? A@ -C ! S-A -CD $/0/K% 8 5, !!0 ' !0
&') A ! ? +B !0$10 0 (OKQ A ->C
A +>@ ! S-A , A.> .@ ;K=N % + 1 0 & MK=;(LNQ
7 B@C@ -@ @C ! S-A D ,@ +)U@A $ &0 (8R
& Q; &-@+CG ?> + B @ ! S-A - E,@ 2 KMN
9 = .3 .. . 0 $ 10 0 3C ! G@C'' ,>@A G A ,,
! S-A @SJ,@+ @ >AD@A E,@

6 @D 8JC ? C ,G EG %@,+ J@ U@C @@
2 E(-C T A., B" A -A+C D +A + -A +- 7 @, B
AD C B -C @, , -2 A D@C @A @2 JJ, @D2
' !&3 $5&' +- +B@ J@-J,@ - A., AD AD
- +B@ -+B@C A., B J@ U -. -??>A +@) %B @ ,G
A -A+C D +A + -A +- T + A
$> > B T '' <) !%& && cT G, 2 B@ ! S-A , D 2
" ,->D J, D 2 #A %B +B ?' 0-G D D '2 ? A $;K=P
% B66 A * & % $ &'' L ! S-A -,@ -C ! S-A
J- @C % A @A , @ ->C , AD A- ,-A.@C B A G->C - A D Y
@A -A C-A. B@C $ &> T - ' E & %
< 0 '' 7U 80-BA(OKO @CG B ,D - +B@ ! S-A C %@
@D> +@D +- B +- E@ C + SKM .3 . #
$' !0 ;SK<=(=< B@A A@ + C] +B + E@@C2 -C B UG
+-DDG !-?@ G +B@ @, ? S+>C@2 +B@ ! S-A $ 0J
.) - 0 M= : A@ @C ->AD ! S-A A.6 B? A
B- B D +B +@J

< , 0 =-< *7 <-= K (*- *6- =L-D (4)(0 -*+
7? '71(-=TE- (0D6 *-D*E0- E=-< K4(< *6-
S (R7 L-0 7<. , 701 -04+ 7?*- 1 =(LL4 -< *7
-(04+ 701(3E 4< K= /

;Q 7 $0> ? & C&* % 0 ?) ! ' &'' @J
B 2 EG G- D +A + -A2 ->,D ,, +B@ ! S-A C B Y
+@ +>C@ L;QMK Q; " 9 .1 .) > ' , 0C$ ' 0 8;QKM(
: ;K; B ! S-A +G,@ E@. A +- E@ D@ A@D EG , + AD
C->AD C B@ ;Q<Q ' ," ,!0 ? 0 8@D L(OOO ; B- @
C D@ @ @@ A +-@ @ C,G -C? A -C ! S-A E> ,D A. #C
,, SK P ? & S) 7 +B D--C AD AD-
-C? A. +B@ B@ G C->AD C B B B > > ,,G ,,@D ! S-A
2 &!0 8 I>) (B@ ,) .> .@ - +B@ ! S-A
f 7. " L A + C -> JJ, + -A
+@A A @D -C 3-D@CA A., B J@@ B - ! S-A
-C A.,- ! S-A -C . A A., B D + -A D@C @D
B @ ,G B -? +B@ ! S-A +- U2 D +A + C-? +B@
+ A AD 5C@A B @,@?@A+

+ ' ! $5&'' A.,- ! S-A
$J B 3 C &!0 ? 1! P< 0@D@ +C A , +D@ +B@E E,@2 AD
@SJ->A,D@ ?G B@ A ! S-A2 +B + A., B2 @ +B@C -?->A
, A. .@ - +B ,-AD $I + < 8 & %0 -M 5-C %-> +@
A ! S->A +- @ A %-A + A @ >J-A +B@ -CD $-?@ A
$/ 0 B ' 0C& ;;2 8 CE (<N 5-C +B J>CY
J- @ @C>@ +B@ ?-A- 6 E,@ - ->C A., B ! S-A @SY
@,,@A+,G @,E 1 0 A 8 CE (;PQ @ +B@C B ,, B@ + U@
+B@ +@C?@ - -C+B@*CA ?@A2 A-C A @ @ + AG J@ B @D
E@G-AD SB@ C >@C - C@A I +B->.B A- ? A A D@AG E>+
+B + +B@ C +B@ J>C@C A., B ! S-A + +B D G ;MO=
5+ %" $ % %& $ & ' ;2) ++@C 0>+ '+ -? A 2
! C2 UA- EG +B@ B AD2 AD +B@ , @ #C+B-.C JBG2 +B@G
C +@ -,D ! S-A ;MM 3 7 $ $? $. QO "@ A
-,D@ ! S-A' ,,'D ? + B ? U@C ;KS< $' &
SS 2 "@C@ ,@++@C2 AD2 ? + U@ A-+2 + A ! S-A
L;KON < ' 0 $ 0 JC L;O ; $) ' 0 B -CD E@ A. D@Y
C @D C-? +B@ ! S-A2 D@ @C @ +- E@ A ?-C@ C@I>@A+ AD
.@A@C ,> @

E ! $5&'' +B@ , A.> .@ - +B@ #,D ! S-A
8 @@ Q(2 @ J@ ,,G @S@?J, ,@D A+B@C@? A -
<+B @A+>CG J-@+CG) A ,>D A. +B@ !$' AD -?@
C .?@A+ - J C JBC @ - +B@ +-CG - @A@
$ &$ < ' 0 $' (! P; C ?? + ,!+C> Y
+>C@ - #,D ! S-A2 -?J C@D +B A.,- ! S-A2 ;<NK

9 7 4@^ 0 < $- -$ 0 - @C? A 6J +- E->+
c<RR + .@A@C ,,G ,,@D #,D ! S-A
-C E@,-A. A. +- ! S-AG A + ?-D@?
@C? A @A @ 8!@@ 2 O(
;ML= 1 !* &' ;;; OQ; 7 +B ! S-A A
UA .B+ AD EC>A+ E@ C A. ! +X@C B" %< ' !0 $ 0
L X B@ +BC A. C D@ - ,, -C+ - ! S-A %,-+B ;K=0
3 % 6 1)CC 2 .0< B 0 E@. AA A.(2 @A 5C@D@C
7 ,, ?2 +B ,, B C>..@D ! S-A JC@*>D @ 2 +B->.B+ +
A@ @ CG +B + B B ,DC@A B->,D UA- 5C@A B O &A
66 &&!! '' $') %(LML B@ AD .@A-> ! S-A
EC@@D ^- B@@Ja C@ @?E,@D +B + - +B@ A@ .BE->C A. + +@
$5&'' 1!) ! S-AG E,>@J @@ L

$5&'' ' -E ,+ .C@@A
4QPL ' 8 3 $ 0=! 9#+ S =L0 B@ E,>@ AD
.C@@A 2 -??-A,G ,,@D ! S-A2 C@ E@ + DG@D A +B J, @
;QMM 7 <) < ' 0 &) ' ' &0 =OK2 0 ! S-A .C@@A
D>C A+ ;QQ; 9 B.6 A C !0 $' 0 4 ;OQ ! S-A
E,>@ 2 C@ ? D@ EG D -, A. AD .- A - , - ,+C - ;QQP
(!& $ JJ ;< B@ -,-C - +B@ +@C
B A.@ +- E@ >+ >, S-A E,>@ ;KN= +C ' ">
C$ ' #d $- > <) LN0 !? ,+2 -C +B@ +C@->
-S D@ - @C2 C@D> @D +- - C @ J- D@C2 D +A.> B@D
2 EG +B@ A ?@ - - C @ ! S-A E,>@2 -C @A ?@, E,>@
! S->D-? 8 @U ADD?* 7. " L) ,
$ &+ . . & 8;K=;(;K= + AD @ + +- +B@
@CG A+ J-D@ 2 +B@C@ ,, E@ ! S-AD-? - @C A. .C@ +
J @D - +B@ ,-E@ SKMK . < $? (: &C@ K
!U@+ B@ - ! S-AD-? ? G E@ - A+@C@ + S!GS .
C !&!0 ' 0 &') 0= B@ A., A U A.D-? - -C+BY
>?EC @SB E +@D +B@ ,?+ ? +>C@ @S ?J,@ - %BC + A
A + -> A ! S-AD-?
+ ! S# 6 6 6 ,2 $ (AD 0 1 0 56 ?@D $5&3
' $ (1 #2 LS ($0 10
&C-+@ + A+ - ! S-AG
$SM-- ' , ,!0 C&!0 + : ;= ! S-A A AD 0-Y
B@? A A +B@ C / J, A@ -A +C A@ A- ? A +- -J@A -AY
@ -A L %U 1 H5 * %) E0 5&'(*2 " , 2 ! S-A A
J, A B@C@ D@@J >C. ,-
! S-A 8 -@U J U(2 ^ D ?@D ,9% C2
6 C $5&'3 (
: ?70 3-47 K K*7 (R7 +
, ;M= ' 8 .. 0 8;MPN(6 S OL B@G - +B@ A., A2
! S-A U2 7 C+ AE@C. U2& , + A2 AD 0@,. U -A @ -A
0@,-A. A. +- +B@ A.,- ! S-A -C +B@ C , AY
.> .@
;MQK # $ = & $ '' LON B@ C ! S-A U
,@++@C2 B D ?> B .C@@ +B +B@ B C +@C2 +B@ C B + ,,
> @) Q;= - B " .) *& ,) > 1 0 = - 0 & '0
c B ! S#A U G - C + A. +- E@ ->AD A %B > @C
;KKK . 8))(" AD 0I-U +- +B@ AD %B C+ C 2 AD
-+B@C ! S-A / - >?@A+
+ ! S- > - , B` 1 0 f JC@
K/>> X ' & 0 $ 0G B 9 A. D. C2 +B + ! S-A ,,
,@S AD@C ;MSQ = ' 0 A B@ , +@C A+@CY
JC@+@C 2 - A+@CJC@+ +B@ !+?>+@ - +B@ ! S-A ,
*1AK BR!2 E $ 0 $ 0 56 L0-D ,
*6- (R7 D 1(-0
;KLQ ! = (' M 0 &BC 0 0 9 A. A 2
^-C2a 5%S ?-C@ ! S-A ,,G ,,@D B ?2 A@
! #A ,S 8 @ U LA *(2)0 ^ ! 4- = V`K0 a
0@,-A. A. +- +B@ ! S-A C@ @?E, A. B + ! S-A
4P=< 0 ![))A %&) - 0 !$' &C@ 0 >*2 ? A ,@CA@D

B-,@ D-? A -A - +B C@ ,?@ W S-AEB X)S .
C !&!0 ' 0 &') M B@ 7@, B AD +B@ @, B @ + ,,
,,@D > ! S-AG AD ->C , A.> .@ ! S-A B
(R7E =1) 9 A? .$ K$ 1 < " R
: EK47 @R7 < 71 70 -RL0-== 7 U K47
(R7 D3=*0(D*-0 =* D= =L--D6
>!!# 9 0 ' 0C& " =< B@, A.> .@ ^-
$-E@C+ - ,-> @ +@Ca >,, - ! S-A+ ? ;K=P : .
A C &,(C !&!0 0 j " - - +@A B @ @ A-+ B@ CD
+ @C+@D +B + 8)+ >EC DE+C + 7@C@ C@? CU E,@ -C +B@
! S-A ? - +B@ C J@@ B2 E@ > @ +B@G B D C@+ A@D +B@
C B? ? 2. ' &&''.&) ' @S = .3.. $!
::: S- '& 3 AG -+B@C A@ G)S-AE? - +BE -C+
;$ 6- D6(0(D*-0 =* D= 7? *6- K47 (R7 0(D-U
(**(D61- **7 H6(* = K47 (R7
;KK= " / Q.. A $, '0 $ 0# + ==L ,@ @ +- C@Y
?@?E@C A E +@?@A+ - G->C JC D@ - ! S-A ?2 +B + +
?-C , - + -A A-+ AB@C +@D E>+ I> C@D K<=
% " A !+@EE A. - 0 8;<NN(<0 B@ @S+C . A+
! S-A ? - +B@ JC@ @A+) --,^- B +-C A a
(M*7 =* ,==->J=< =*8 0? L **
(R7 =D674(0U 7 -4-(0 -< K47 (R7
8 "" ' - $ 0 8;KQP(J,@ +@ ? AA@ E@
.--D S-AE+@2 C@A B@2 AD +)G A@ , A.>E+@ ;QQN
, 2 &!& $ A+C-D OP 3C +#E +B@ ! S-AE+ ;KSO :
> , A 0 ' , 0 0! 0 ;OL BE A.@A -> ! S-A +
;K=Q ?!$,. ` 0 $ 0 4 KN 3C B-CJ@2 - @,, UA- A
-A@ - +B@ @CG @ -?J,EB@D ! S-A6+ - B-? @ A
E- +
(R7 *-) ? .$ F K$ *!
G+$< '' S
3 $
;KK= 9) 8 &!( ) KP + E2 +B@A2 JC-J- @D
B@C@ +- D@C .A +@ ,, +B@ @ C-C EG +B@ +@C? $5&' C-?
+B@ ->A+CG A B B +B@ +@CC@ +C , -C? C + - @,,
D@ C E@D EG / +B@
(F=7 I- 8 @U -A X(2 (^ L Q " U V
: 7 1(J- (R7 70 K47 (R7
;KN= ! <V 'D) " B@ C@ +2 5C@A B2 + A2 AD
C@@U(, ++,@ ?-C@ +B A ? . X A@ - -CD C C@,G2
)- A.2) @S @J+ A D@ ,@A -A2 -?J C -A2 -C -A*>. Y
+ -A2 +B@G B @ E@@A ! S-A X@D2 AG C@, + -A +- +B@ C@ + -
+B@ J@@ B ;K=L 9) 8 . 0 8;KQM(<; ! A+
$-A+> ,D 8-C $>? D2 ->C A)+-C S-AE@D +B@
A ?=(b VKM+ $!" (' (PP #+B@C
A D@C J->C@D A + ,, +A@ , AD ! S-A X@D

; 73-D71- (R7 , TE7* 7? (R7 +/
;KL= $!> $ 0 : ==N ; C+B>C J U@D - +- ! S-A @
+ 7@ ? C2 +- .B + +B@ @@+ - -@+B@' B AD -?@
D >.B+@C A ,
- D- (.R7E I-<YYY (>R7 I K IU@Y
;KMQ 1 . , 8;KKQ(MQ B@ D@ @ ! S-A A. -
! -+, AD +B + +--U J, @ >AD@C 3 C. C@+) R&& % ," ,!0
? 0 4 4 M=0 B@ ! S-A X@D 0C +-A - 7 ,+ B C@
(I 7 4+ ,==- J=(4 / " 0? 'c - Q OG ; G
((R7 1(-0U *6- (R7 *7 KE-
;LKQ 3 '' 8$-,, (;P< J@ 5,@??GA.@ J +
-A@J A J@ @ +@ D@ - 7 ,@ B >@J ,@ + B@C +C >A.@
J@@E@ AD J@U@J ! S-A, B@ A- ^ $5&' , $
&!&D)) ') H0 ;MNM 9 !10 ' 0 S S , LQ= #
0C +-A 8 S-A, @ ,,D 7 @, B2 -C !+C A.@C (S!) 8 ..
$ 0 OK A >C.@A+ +@C A- ? D ,, B -A2
E>+ -E@C,G AD ! S-A,G D B C. A. + @, 4KQN]) "
$), N B + ;<P " @ ->AD ->C , A.> .@ ,>?J B2
+-- J+ +- J@ U ! S-A,G A .C->+G ?-A- G,, E,@
(R7 +) ./ K $ O$ 8
*6- 2 *3- (/ $ 8
A 3 +B@ A ?@ - +B@ ->A+CG JJ@ C A +B@ -C?
$5&' $5&"' 5&' &" 8 +@C #5 $5&' (
&"' +H +B@ ?, C> @ A %B J? A''
=% ;ML=(? G E@ C-? +B@ ?-D $, ' 0H
6- (1- 7? (J K<71 7? V-01(+ , V-0
% 0 8 E=-< *7 <-= K (*-
L07<ED*= 7? *6- D7E *0+F ,
: ? - J < 7? W774 (< D47*6 1(<- ?071 *F
4=7 P 8 %
!@ @C ,D + A +U AD - EC C@ +B> D@ .A +@D $5&'"
,&$ ' ! S-AG --, ? D@ A - + A. +G,@ $5&'"
%!$' ' !(! S-AG --, A , AA@, @ .B+ AD A B2 > > ,,G
C,@+ $5&'", & (E, U C EE@D ? +@C , +B -++-A
CJ AD ! S-AG @ +2> @D -C - U AD D@? C-E@
;K== & % & ! » H ` 0 ;<NN 4 =;0 " E
! S-AG ,-+B >C+->+ ;KPL 9 ! B *&' > *0
&) 8;K<L(LLL 3C !J-A.@ -C+B +B JC- @@D@D +- J>+ EE
EC- A E--+ 2 E DC@ E,>@ S-AG2 B ,@ A , A@A2 A+-
B -, D ,@ +B@C J-C+? A+@ > R&&& ' ," ,!0 ? 0 OOQS
% 50 !J@ ?@A - +B@ A@ + ! S-AG --,
;$ 8 + I
/ 2 $ '
8 +) < !.$
;KPQ = .. ! - 0 - (M;M . $ - 10 ' ," ,!0
PP< ;
(>R7 + 09 $ Q *8 .
%
@ : ' .. $ ' % $ ' - $*$ $ / @D J*2 7 B B@
+C A , +@D ->+ - 5C@A B@ A+- +B@ -,D@ ! S-AG @A. EB@2
E->+ + - B>ADC@D G@C@ J +
(R7L67 - ,= -2J=@?@E / 0? *6- (1- 8
,=-- * V0 >@LL=)7 D-< =7E < K G
30(== .H < =*0E1- *W *6 (D4(0 -* 17E*6L -D-
)- *-< (37E* : # 3+ <74L6- (R>
$ $!0 < (5 10 ;OP< ; ! S2 D-,JB@ \ %- 2
&) ! S-JB-A@2 AD %-?J,@+@ @+ - B +C>?@A+ -C
? , + CG E AD 2 A @A+@D EG +B@ @SB+B +-C ;KK= ' ," ,!0
? (SQQ QNK 0 D-,JB@ ! S2 0@,. A @ + E, B@D A
& C 2 B- A @A+@D +B@ ? ,G - S-JB-A@
(>R7L4 7 =* (2 $
+KMP C $!! $!! < 0 K >. # " +B@C+- @ B @ B D
A@ +B@C) > @ 2 A-C DC ">?@C 2 A-C >CU C 0 S-JE-A + 2
A-C / A B J@ A+ 2 A+C-D> @D A+- +B@ -C B@ +C
(8> *0 1 3(0 ?701-< (= L0-D Q 4
0E1L- G , -- TE7* :&& /
4KPM ^ @@ L" V ;KKL < & > ? 0) 0 OLO ;
A ;K=P B@ 8 ! Sa +--U ->+ J +@A+ -C ? ,G -
G, AD@C A +C>?@A+ ,,@D ! S- +C-?E 2 A+@C?@D +@ E@Y
+ @@A +B@ ! SB-CA AD +B@ G, AD@C +C>?J@+
* (>R7 = A 0(< 8 + ?
8+ 07DJ =*7 -F =-- 7+= G 7DJ+ =*7 +
MPQ . ')> * 0 LNN + .C- @ -A + @
,, 2 -,D @D @ 2 AD C>EE .@ 2 AD -+B@C S-> AD DCG
J, @ ^-C . $! D) $5& =$!&, H0
(R7+ - (R=E 1 5 + "
(R* - - - $- -*6 73= D ??
!
(>R*-0 (4*6- ; (< -[
?(=6 7 K (?*-0 D 8 >= R2 7? ,
S 1 7(*6 7? = R> - 7? = R D71LE0K(*70=
;MNO A ->D @ $ " 60 !! 8;KK<(;KP :-A + C BE ,D
D@?J+ +- !> +@ B C @,A C+B +B@ S+@C ?+B@ -C ^@+ a
(R*7 (R *E3(F =-- *
4 (> Z 4 0 G , -- TE7 /
;QNM .. 1 8@D 9@C @G(2 $5) - (!+-A@ -C $- U +-A@
) 8) ! - 0 & !& " %, :: !+-A@
%:CD@C !+-A@ - .C A>, +@D +C> +>C@2 A ?@D ! S>?
5%D $C !0 ! 4 POP B@ ? - A + @ C-A , G
-A +B@ @CG C D.@2 +B->+ E@ A. S@D +- +B@ C- U2 B B E
.C@G2 +C + @D $5) - 0
(+ ,=@ / 701=F =(+- =--(+
=-+- =-- =-(! =(4- & $-+ =(+ 0(
?-0 ^ %0 L &. * .
L 7? + 1 4 *(0+ D 4@ G
: (! U
M $ "5 2 / ! " 2
2 1 $
$A!> < . X E 8$-,, (K<;L B AE@C,@ A B ? EC-*+@
C B@ C- D G ?#C@ @ 6-C +- @C @ J@+C@ B- @ C- G
, ;==N C & - *0C$ (==N 0 ! G2 ,-+B@2 $) '0 ;PS< & Q
' $ - ,0 " LP= UGC+G,,@ - G,U@ @@ G
; > <= 5GA@ D-+BG 2 G A G,UG 2
E@DG 2 -?EG 2 .GCDG,,G AD UAG G ;P<N 1 A 0
S , K " E) ? @A + A@+B@C - D U@ A-C b G 0 >+ ^@+ a 2
;MP< "0 ! $!$ ' MK ! G-> +B@ %,- U +
%B>C B +- D G2 B@ ,-A. 7 -?@ B-C+ %,- U , A'D +B ! G
$>A " ,!0 2 $"(-C $" ((0 @CG)A+
C- @D +>, 2 ,, --, ?> B EC- D -C , AE. 2 AD

! 1 : ! 1

[illegible]

6-' *60-(< 70 +(0 ' ?07 1' W6 D6 *6-' 1 (*-[0 (4 =' W7)-

[illegible]

-007 -7E= E=-=" (' =-< 3+ H +D4 ? *7 0- <-0 *6-' D7K (*-' ' + ' *6-' E4K(*-' W *6 *6-'=- =-' 7? DE0*(' 3 ' =-<*7 0- <-0 ' = 4J

[illegible]

9* " (4=7 ?'=(+' 1 (' (' 1 (J-0 70 =-44-0 7? =(+U ?'=(+ *6 DJ-0 ' (' ?E44-0 7? =(+

[illegible]

701=F # " =(+' ' =(+-' ' =(4-' =-+-' &' =-+' 0 L6-* D ?70 1' 7? Q ' *' =' 7?*-' E D-0*(' W6-*6-0 *6-' W70<' C *- <-< W(=' ' 70 ' W *6 <-? *-' (0* D4- G ' 6-' (D* 7 ' 7? *-=* K *6-' TE(4 *+' ? * -=' 7? (' L-0=7 ' 70 *6 KU] Q ' 4(*-0 E=-' 7 4+' % ' (' L073(* 7

[illegible]

RL-0 1- *' -' ' ,=71-*6 K/ ' *7 1 (J-' -RL-0 1- *' 7?' " 4 /

[illegible]

*0 (4 7? ?77< 3+ *(=*-' 70 =1-44' YQ

[illegible]

' 6-' (D* 7? *(=* K ?77< 70 <0 J 3-?70-' L0-[=- * K **7 (' L-0=7 ' 7* 6 K60(J' C' Q ' R(

[illegible]

(*-1L* (' - <-()7E0' "

[illegible]

*0 (4 =L-D 1- U (' =(1L4-' ^' ' 0 ' :!

[illegible]

-1L-0 7? 1-*(4' C' ' :&

[illegible]

(< & ' (' =' =- =-' !/ ' 7 G 37R' *6-' D6-=*' ' W6 D6 D7 =' (0-' <-L7=*-< (* *6-' *' ?70 ?E*E0-' -R(1 (*7 ' (* *6-' 0 (4 7? *6-' %+RU G ? +@C'^' " E G J @ @Z (+*6 K D67=-' (' =(' -R(1L4-' 7? -RD-44- D-

[illegible]

*(+ ' 0? ' -RD ' 4=7 ' "' =-+' & 7-(' " =(-' 0 70*6-0 ' (' D(=J' , W' (' 3 DJ-*/' D700-=L' *7 ' ' 04 3 *70 E1' Z ,90-(< + ' *6-' 70LE= V47==' 6-' 1 <4(< ?70 1' =' !' 3EDJ-*' ?70 <71 -=* D 70 7*6-0 E=-' W *6 *W7 -(0=' *607EK6 W6 D6 (' L74-' 1 (+' 6-' L(=-< (=' (' 6(<4-

[illegible]

%' '=8*G (+' H6(*' (' L-0=7 ' =(+=U W70<=' (=' D7 1L(0-< W *6 (D* 7 =' (4=7 ' (' =(+ K ' <D*E1' ' -RD' ,

[illegible]

DE00-' *' =(+ K' L07)-03' =(W'

[illegible]

F *7 6()-' (' @)7 D-' ' (' 1 (**-0U *7 6()-' *6-' 0 K6* *7 3-' D7 =E4*-< 70 *6-' L7W-0 *7 ?4E- D-' (' <-D = 7

[illegible]

3 ' ' " ' F *7 3-' D71 1(< 4<NL H ' $' 'S 2T ! -' G-> C@ + A.' -C@ ? A Z

[illegible]

' W6(*' 7 ' 6(=' *- <-< 70 L4(-<' *7 =(+F D6 -?4+' L60(=-' + '

[illegible]

*7 ()(' 4 7 -=-4? 7? (' 7LL70*E *+' 7? -RL0-== K 7 -2=') -W=

[illegible]

*(4J ' 70 * (' L-0=7 ' 7W

[illegible]

! G' ,=Y / ' *. 4 70 1 = ' =--' 3-47W' 0 ' l% L(' *' ' D700-=L' *7 0=' ' H' ,17<' 0=' H ' ' V' E' E H V' L(' *' ' V ' 17< V' G ' L(' *' 7 0-L0' - *' ! ' ! . L0- -E*' ! ; ' 6-' 077* = L-06' H4 <7' K-01(D F ! = ' ?7E < ' * ' ; ' 4' =(@Y?*7=(+ V0 4 .$.CMOC 1L-0 ,F]>C$ 0-+dC^ (* ' =+' ' % ' " (70 =* ? ' *7 *-44' =(+' =+ ' =(+' I C! =+

[illegible]

?4-R 7 (4 701= :' E " '=(+' ,=f /' 701=F (' 0 =-7K(' =--KK(' c-(' =---K(' &1DK,K/-((' : ' =-D' K-(' (-KK(' ,'=-KK7 ' =-7K- ' 7 ' =-K7-(E' ==-7K- ' #=-KK-, ' = KK- ' =EKK- ' ; ' = KK-' ' =-EKK- ' (7K- ' ((K-, ' =-K' # (EKK-' A ' (KK-' I+KK-' ' (+KK-' ' ' I-<K-' 4=7 D " E " ' *7' (--K- ' (- ' *7 (-KK(, /- ' #*7' =-KK-E,-' A ' *7 I KK- - ' , ====-E' (=- ' ; ' =- - ' =-M- ' ; ' (-,-' ' (- M- ' ((4'#(-+- ' ((- ' =- M ,-' IL (+/' # ' =-+ ,-' (- ' # Q ' ((' # ' ((+ ' (-+,- ((-' ((+-' # ' ' 0 1-=/ ((+ - ' =(' - ' # ' ' " ((' (((+- ' (- -/' & " ' I(+' ' =(+' 4=7D " E $ " # ' *7' =-+ - ' # ' *7' =(-' ' *7' =(-' *7' =- K- ' *7' =- ' *7' =-+ *' ' *7' =(+ -

[illegible]

B'E@A@D+ +@' '? .B+' --+B,G' GB@' ;KMP' 8 B
I'?$! 'A('? $1'L=P' -CD' -DZ , Z B + B ,,' A
' ,$ 'C ' ' (>'H '* (' T =(+'
,=*?/' 701=F (' '&-DK-,&-KD-/=-7== =$ K-
'=-KK-' '=EDK-'=-EK-'=K-' #'= KK-'
=KK-'#CEK-'=-K-'=+KK-' M ' '=- -' #=('
S=-M<'&@/#g'=-+,-'=74'# '=(+=' '=(4-'
4'' -'*') & $,.0 '=(+ -' '=(-/'&"' $!T
I(+' '=(+

[illegible]

3' (3' , ' =(+-=*' ,=f@h=*/' =(+=*'
,=Y=*/' 701=F T+: =-==*'=(=(=*' (=1M=*';
=- =*' '=- =*'=-4-=*' '=- =*' '=-+=*
'=- =*-'# A 'I(+=*'# !'=(=*' 'I
=-+*6'=- *6/' '=(+=*' '=(+-=*>' 4=7 I%
' ' .0+' '=(='=(+='# '=- =' '=(+-=' '=-+-='
M' ' =-KK-==*' I ' # =KK==*'
,=-KK-I/' '=-KK-=*'=-KK @

[illegible]

7' '* ('(=(+=',=-I/'$, (=(*6',=-L/'
701=F $(@ %@(J2K@@L8@(J2KK@P+W2 L)2O @<,W2'
=--<=';'=- @'; '=- '& :>&,7DD(='W0"*-'
=- <'=- -</' ; '=- *3' ' & 3&'=--@,-' -
& ,/L' #=-*6(' '=-+*6 # @CY'I(+L I(L'
;'=- *' '& -*#=-+*/#@'=-+*6-' '=(+*6'
=(+*6-'=(-*6' !'=(+-*6' ', 7W$, (>'=(*6'
4=7',W*6'- < K 70K'& (+' '=(='#=@+='
,=(=/'#g'=- ='=(+=-'=(=-'# !'=(+-=' 'g=-+==-'
'!'=(4-=' '=(+=' ' '=-='=-I'#'=(+=' Y'
'=EKK >& #'=-KK-L' 4=7 #= KK-=' '=-KK-=

[illegible]

% ' *!) $!'=(+'0 ?.' 701=J $('=-7K,-/(&
* 441' '0* 240 .1'.' 441$' '!44 $' 44 $'
#0 6. #' *(0 44 .D '$ &'42 +(
44 ' ' %' !44 ' 44)' '!' !@' '
E,@',7D (=' W0**-' E .' E! @,' 4=7 '&"%$0
1! ' ' ! ' 1! ' ! ' 1E ' '
1E ' '\!' !8)' E0 .)'!' !)' '
E) ' 1!)'739' "'4 (!)' ' *'01"2'
$, 0+' 1:1 ' / 1E)
=('=- -'S ' UCC>8 # '=$+C8' 'C$ -'
,&."' $!(((+/'#@

[illegible]

3' (=(<-X*',=-<-=*/' =(<=*'
,=-<=*/' 701=F ' ==-=<-=*'=?-<-=*' '
'=-@@<-==*', #'=(<'=(<-/'# '&- <-=*=-+<-=*'
'=- < =*'= +<-=' !'=(+<.=*' '=(<=*U "'
((<-=*

[illegible]

/ %?N / D W / N /
J / / / N < / / N b
/ < ' ? (/ </b 2 TW
<?b D 2 2] 5S /b 2 2 /
<]' / < b 2 / < b Q) / / < b M
2 /]'A 'AR / <' $

[illegible]

#$ + .+ %"'5 ' 2$' , ,
D < / D / </M
/]' /] b' 2) / / b' 2$ 5+ ' '
) . / / J / / /
N=B< / < 2/]' / b' 2$

[illegible]

3' ' + ' '=-DK,K/(: '=-KK(4 ';'=-DK->"' ;
=-KK-:X0 '=EKK-. '=KK-. '=-KK-*'=-KK-' '#
*30 # ' =(+-*6' '=- *6' =- -L' =(+*6,-'
4=7 '=(='#=(=-'=-+=' '=(+=' '!
#'=('# %'=('# '=-+' '=(-'=- -'# @'=(+

[illegible]

'C ' 'C$, *!'=(+ K',=Y6 T/' 701='('
'=-7K,K/- <-' ' '=-KK- <-' ';#=- <-
=((<'# '=(+(<,-' '=- (<'=(+ U
=-++ K,'=- + K-' - K-'# '=-+ K-' #'
=(+ K'=(+ K'=-+ K'=- + K'=-+ X'=- K'
=(K- =(+ K-'=(+ K-'=(- K-'=(+ K-'=-+
'=(- K-'=-+ K-'=-+- K-' '=(+ '=('
- K,-'=(K' ! $!(I(+ K' '=(+ K

[illegible]

! 5 5 %, '= <',=C 8 701=F ('
0 .*+*%'0 . %' '? %'!1 8%' '! %'
! !%0 '!1!' !' E ! ' '0 $, 0+' "3 (
!8* %'0 A G E N %.' ' E 1% 'E 1E%'
0E ' '. !%0 ' 1E %' ' 1!'%' 1E %9 %
'1%%' ' 1!%' 80 ' 44!%' "0 '= %!"'
1! ! ' ' %)' 1%E)' 1E%E)

[illegible]

ʻ K ?D(*7

A' A. Z ' A'-+B@C' @>+Z, A. Z $"' ' A' JJC-S ? +@' GA-AG?'-' C-?' B B' +'D @C' A'B A.'A-C? ,,G' ' +'-E*@ +' ' J C+ >, C' -CD' -C' @C@' - ' -CD Z -C' ' @A+@A @'C@JC@ @A+ A.'+B@' ?@ A A.'-' 'J C+ >, C' @C@' - ' -CD ' %' ' 0' , ' AD' + ' C@JC@ @A+ + @ ' A' $-? A ' 8 B BZ B- @ @CZ B @' , -' @A @'+B +' C@' A- '@SJC@ @D' A' A.'EG' !!H' AD' ' CC Z ') ')'

' +B@' -CD'D@ .A +@ 'A-+' +B@' + -A' - ' J@ U A.' + @,' E>+' + 'C@, + -A' +-' +B@' -E*@ +Z + ' > @' +B' C@ @C@A @' +-' C ++@A' @SJC@ -A'D-@'A-+' -CD A C ,GZ, U@' +B@' ? , C'> @' - ' $.% A -,@' AG' -A -> A@ ' - '?@+ JB-C

: ' $' T' 7' E**-0 70' L07 7E D-', (' =L-D ? -<W70< 70' W70<=' 70' (' (0* DE4(*-'=7E </' 4=7 ' W <-0' =- =-' E=-< 7? (' (E*670 70' (' 377J' W *6' TE7*-< W70<=' (=' 73II-D*

5?C' C -> ' D - ? + ' -,,- + -A Z ' &' $"' '$" ' &' $"' % &' $" $!!% @+ Z @@'+B@' -A*- A@D' -CD ' 2 &' $ ($ '2 &' &)! '$8 ' @@' ' AD' 9

));NNN' 0' <& *0' 3 CU'S 'PK 7 @' @ BL D-A' E A@' @ . A' +- >CJ@' E ' A AD -CB+@' +@? J@,' ^@+ a' DSG!' $ - 1 & 'LP' !--, B@'B@' ,D@' @..@A') 'B@' ? B+@' J@U@AZ ' '?@' J@+' + ' @ C@' D>D@' '?> B@,@' >AA@' 1 0' =;' AD' @ +' 'V@ B-' @DZ @' >,@')@' A@>C@' ,-D' D-A' >A -C) -,D@A' ,'C -' '(&!!0' & 'P' -' :V@ - @C >C' @D' E +' ,- @' , B@' -CD '0(E '-$! , H H0, !H0 !$A++' ';=<' \' -D@' @AA.@,,' @*)D@' B ? ?' +- @' DC@D' +@Z [CB@' QSLLN $' B I ' &' 0' 6 $& '8$-,,(' ;;L<<' ? ++GA.' (V) LP D@' B@U' ,' B 'C & 'C &!0' ;;' "@' GD@Z 3 G', DG' &C -C@ @'^@+ a' ,'4==< ' 0' S LPK A'+B ' ? A@C- ' -,->C D' J@ B@' @' @ @A') B 'G? .@' ' !@ A+' &@+@C' ^@+ a'' 4PL!' 3) .' ' S ' ;;Z' GD@' A' ?G'E +' ,' ?@A' C@' ,G@C ' SM X' .'6) 0 SB' M B@A' D' +B@G' A+- 'B ?Z ! G'A- Z !B EE-,@+B' AD' B@' DZ ! EE-,@+B' $'4Q+=' :' 1' - 0' 7 U '8;QP=(' S +'LN< '? A'+B +' @ C' AD' >C @' +-' DD'.C @' +-'B ' D ->C @Z ? .B+' ' @,,' @C @' B 'J>CJ- @' EG'C@J@ +A.' ' -CD' -C'+ - ->+' -'* &* $'D) '-$ 1) '-C' G A.' AG' C J' -'J@D, C' 5C@A B' SK S' 'C ' , H '(;KML'4 ,,'4O' -+' B, +'G->' A' G' : U'$-E A - ' ;KQL' .3 . ' !"' $ '8;KK=(M=' ' +' A-+] 8A@ @CZ DDGZ G'?>+'+')' , '? C @,,->' B+ ?3 ' *$ ' 7? (' W70<F 7' 3-' <-0) -<'

7 =*' &%(1(

;L=N " ' 1(<L' -C' - ' C G?@' 'GX@D' C +' AD' - ' C !+' C +@AD-?)');==N) 7'% & "' 1' -< 0' PQ' D) '$1' T D &> ' @D AD' B@> ,@C@' D@-' B@> ,CG@' X)Q ' ' 3 ' - 0' $. ' -')DC Z @A+'8G->'UA- (' ' D@' - '.@ A@Z E@ > @' +? @C +@ '\' ? U@',@ A@'+B@'E+-DG@ N$' 7' <-D4(0-' 70' =*(*-' 'W70<=' ,(' =L-D ? -<' ?(D*' *67EK6*' 7L 7 '70' *- * 7 /' (<' 7?(' =L-(J-0' W 0 @U' (4=7' 7?' (' 4 *-0(0+' D7 1 L7= * 7 ' (L07)-03' -*D' 7 =*' &,?' ' (< '= 1 L4-' $ +T(?*' W *6' 73II' (' D4(E=-' , *07<ED-<3+' $ (' 70' W *6' -44 L= = 7? $ +(

<Q4' ? ! , . !(& ' 0' < ! @' @A.@,' B C@' @)@ B@-' @-,D@' ? - -C E@-A' B C@' ! GJJ@AD@ ',' ;SQP' $ - 1(& ' 0' ;P' 3 -A ' ?-A' @ 'E +' E\' @C@A' +C-+.@' +' ' + '+C-A.@a', @' ,' + -' " J ' -DD J@,,' @*) E ++' ! AA+':-B A' 7 '^@+ a' %4LKM B ' D !' (' ;<< B@GZ @GD@' +B +' ' ,GU' +B@' &@. @@' ' ,;=PN @') 1 '8!>C+@@' (M;KP' 3 @A' D@' B ?' E +' +' 'A-+ -+B@');=MN &2 ' ' " E' S' ;LQ' -')+@' BG?' @,,Z G' BG?' -?' S) X' 0' C " & ,' ! ,&(' 'SK' B C' 'A' , '+B +' G'+B +'5C@A B' ?@) ' >D '>A? CU +' B ,,' J@C+@A@'E@' @ A@ +'+-' B@' , CD' - ' O.)G' ;PQQ' :) .,' !&2 '8 ' * $ - - ' S' B-6' +'+B->' C+' '?> B' ?G' C@AD' ' AG' ? A' A' E@' ;MSQ' = ' ' (' ; ;QKZ ' -C?@C,G' D' +B +' 'E->.B+' 'B-C @' +' & D>- ' 4MPQ 7 ' . ' $ - ' ' ' ' Z !-?@' GZ+B +' +'^) '!>A-@ * ' ' @ C A.'-C' > + U' "@CEZ AD' @CG' A> B' E + A.' ;MQL' 9 . '< ' 0' $' ,' ' $ 'H(Z 7B + ' B ' @' D' B @' ;KO< 9 ' " /+ ' ? &$ &' ' &%c &' &) 0"B#' EE-A' G' +B +' +B@' 5C@A B' 3 -A C BG' ' C@ +@D' EG' +B@' E B-J ' - '5C A @' ;KLL' $ "' &%' $!& ' > ' ' !B@' B 'B@ CD' ' ?) C' G' ' >C @' -A' B@C' ' B@' + G' 4KP< < ' ++-C' $ '' ? 'S6SZ +' 'G->C' U ADA@ ' ? U@' G->' G' '?' > @ >,'+-'G-> % 0' $'$J&+' ' 1 .'C $! ' 'S-')->C@' -A @A' ,' LN6' E) L@' D-@' C A.@' S - ' ' 0' =' !0' ' 'S' 3 G' J- @C' C@' %C@ @A+Z AD' ?G' >.>C A.' B-J@' ! G@ ' +' >D,,' - ?@,'+-'+B" >,,

3 ' 1 ' !5$ ' " 1 ' $

C'S--@' 0' <& *0' >U@'SS 'L' / ' AD C>D@' B@' E>'E +' @. +' $':4 ;' 0' (' &'(A' ;NKLZ " +' ?)-A' @' @' ?A' E>+-A' E)'B' -+@D-A' -@Z SS = ' 1 0' A ' ;SLPZ /> C +@'A A' ? A' @'+-'B ?'A B+'E>+@'.-D' 'S - ' ' ;M= OC>+>'E +' E@CD@' .. @A' J>CB' B ' @? -AAA@A' $';OPN 2 ! #' (MN 8:@ > ' 3 ! (' ' B' ?@ B-,D@' A'?GA@' B@. .@' @' C@ B@' B' A@>@C' B +' E ' @..@' ;LNN) & ' 0' ;OO<L' AD' E@' D'A- E@C' ,'A@'.-D ' ,';=KP' E 1" ' 0' 8;KKO(, ,' K<L' 7 B@C' B @' $@ J>+' BG? ' !@G' ?@' +BG ' $/OJ' & -(=V-)!0' ' 'OK O>+' B +' G'G->'+-' B>C D G ' SMSS ') 'S 'SG' AD' B@A'B@@'B D' D'+B@ @'+B A. Z ,,' B ' D>@C C@ ' @C@' B ?@D' ;MQQ' 9) ' % '8#' " ' ! (

G->'+-'+B + ' ;Q<P' < ' ($ ( )=O 0' '.--D' D@ ,'B 'E@@A' D' ,C@ DG' A' G->C' 3 . X A@' A' JC @' - ' /C' O@CU@,@G' ;K=N :' " ' (8 'C$ 0' - 0' ' Z P;' @+'>' ?' +' ?@ A A.' B + @' GZ AD' GA.' B + @' ?@ A' SKMK ' .1 ' $!- $ 'S '84KQM(L<=' 3 >,@ @C@C' -A,G' D' +B + +-'+@ @'G->

C & 1 $!'* $ (- .'C0'C (O 'S 'SG 5-C E->.B' :' @G@' +' ?G @,':'B >@')>@D' +B' E' B C?@' #' ?@A' \' - ' -??@A' ? AG' -C@')> AD@ ' CS=K' 1" " 0' 8;KKO(; ;L<' B->.B' :' @G' +' ?G @,' ' ? ' A'- ' ?G.B+' $';P<L' % ' < &0' $' < ' L<Q' 7 U '8 C- C+(4 ' ;L< B->.B' ' G' +'+B +' B->,D'A-+' G' +' SK-M ' " H ' $' 'C 0' %"'&)' . '&2 ' '&'- '8;MN<('%'LZ !B ,,'G-A.' ? A' ;' ?Z AD' +B->.B' ;' G' +Z AD @C@A+'JC-J@CZ' ,@' ^@+ a' ;Q)' ' A' 8;QMK(' K 2b 'B @ C ++@A' ' ++,@' JC@++G'E C+B D G'J-@?' . A +' ! +' ADC@ D G +' ' ' @CG' JC@++G' +B A.' 8 ,+B->.B' ' G' +' +B + B->,DA+' G' +(' ;KL=' $, '%& ' - ' - ' OOZ LZ

+B AU' G->Z ! CZ ,,' ,,-' +B +' +' 'A-+'E D,G' -A+C @DZ +B->.B' ' +Z B-' B->,D'A-+' G' + * $ 0' $'5HD' ' & 0' & '(N<< J 'E ' ' @)D' ;LKQ' ' '8$-,,(' 'c]b J@' E E@' + @D@Z J@'@?' J@C->C' ?G+@A')@A' JC-?-+@D' BG?' -A@' A' 'E B-J' $%J>' = . ' " , $ ' cN& O@ D@' B + +B@' .C ?' 7 - - ,' +B' JC G'J '/ ,G'D@ ->C ' J @Z AD' A-+B A.' @D

' , 70' W *6' <-? *-' =E3II-D*' E ' 'ʌ'

*6-'(E*670 70' *6-' 377J' 0-?-00-<' *7' =(+=' 7W% =

B@'>' @' +B' I>-+@D' -CD ' -E* '8E@,-A. A.' -C? ,,G'+-'S(AD' +B@' E -,>+@' J C@A+B-A' ' > @ 8 ' L' Z E(C@' -C' -AY @A @A @ A ,>D@D'B@C@ <Q;' ?! , . !0' & '0 =S J-AA@' @ J' -A' E+ >?' E- >?' J ' / C B+@A' G, ' @D@' E Z +' ^@+ *' OSOOP ' , 0' 0' SKO -C' B -A' B@-' ' JC@->@DZ B +' @ DZ B@-' B ,' E@-A' UC>A@D' ? D' +@' C>A@) - 'Q B@.' $5> ') & ' &> ' E) ' AD@D +' +C@' D Z ' , ' +' A' E@' +-C' ,Z ,' ;=NN) ! ' 0' ? ' 8&C- @(' '<' , 'G>C@' ? +C@ @',@S 'G>Z ,' +' ' , ')F>' >- ' >D +'^@+ a'

' % HJV ' ' " ' W *6' D4(E=-' ,-R[+B@' A@ Z ;K=='7 L0-==-<' 70' E <-0=*77<' ?07 1' D7 *-R*/' (=' 0-(4' =E3[II-D*' F E ' ' I ' ' * ' ' L0-=' *- =-'

7W D6 -?4+'>&>' * =' D7 1 1 7 4+' =(<' ?' >' L-7L4-' =(+

+@C'$ '+B@' JC-A->A' ' 'A- ' -? ? -A,G' - ? ++@D NQ4' ? ! , . !(& ' 0' MP' ! @.D' 'HL ,'B +' G' GC+C>? '@ ,C ' -) CC ' GAA ' $' ;OOP' ' , 0' 0' OQ=' 5,@ B@' ,> +' ' -+@' >AD@Z @' ' @-C' @D' E@C>JJ@' ;O;PK C & 0' A' $G?@C' & $' 8 ;K;M(' ' LQK ' , @' B +' ' E -C@A' @+D' $'4LNN) & ' (=PNQ' 5-C, A.' ')' AD'G@ +' > 'E@ Z "@C+' >A' -C .@++@ 'E +' A@' @+ ' $JO+' < 8 ' &' %' ;P O-+' +' ' @ D' AD' @ @C@' B ,Z O@+ @A' +>-' !+-,@ ' ,G+B' +B@' ' O&&0 ' 0' 'OL' ' +' 'E -C@' @D' A' +B@' B*K' C.>?@A+' O/&0 3) . ! @+ ' $ - 0' C$ 0' 1(' S L' 3 @, E @D@ B B-' ' ;' +' ' D' B D' A@G+B@C' +B@CZ A-C ?-+B@C' ' ;) N' & ' -'QP' 8;QKQ(' M' A' +B@' @C@' A@S+' J C .C JB' +' ' DZ ' 7 @' B @'+B@' J,@ >C@' -'A -C?Y A.'+B@' &>E, ' ^@+ a'' $>0' < ' ' A'C$ ' C$* 8;K<M(' ' 4=N' DG' % B C' - ' +B' ! ' :' ! B@,,@G] DG' ' 8 ' ' D(D- ' A' C@, AD' $ +& 9) 8 ' $ $ 'ON' ' B A. '@A >@D' +B +' A+@D' .C ' ' B +B' E@@A' DZ+B@G' @C@'A-+'E @' SKW<' '!$ ' ';=K' 7 @' B@ C' +' D' B + '?@A' .-'Q- A' E@ -C@'G->C' J@ C' E +' +->'B' SKMX 3 ' 8;KM<(' '=K' +' B 'E@@A' @ @A' ?D' +B +' +B ' B>C B' ' E> ,+' EG' +B@' @C?' A ' SKKS ' \' ' $*!(! 'A 'SS 'OQN' B@C@' B' D' E@@A' ->AD' ? AZ +' DZ +-'E@,,'+B@', E

Q' ' 0 ?*-0' ' % ' 0' H *6' D7 1 L4-[1- *F 7' =L-(J' 7?' D(44' ,3+' (' =L-D ? -< (1-' 70' <-=K (*7 /F D6 -?4+' , " 4=7 , (< '4(*-0' E=-' -RD4E=)-4+/ ' ' " W *6' (<II' 70' <-=D0 L*)-' E Z ^' > *7 3-' (=(< * 7 3-' $' *7 3-' D(44-<>'

%< ' !> ? 1! '&C-,'S 'PP' 7 B AA@' +B@' -C?@C@' +B A. ' E@A' @+' EGBGAD@Z +' ' @ D' C@ J +>, ->A*)@ +B@C' C@B@C A.' - ' +B A.'D--A' E -C@' 1 0' $ 0' SS 'L' B@' JC A @' - ' +B@' JC@ + ' +B +' ' D'% JB 'c<&R < 8 ' &'%('M;' B@' @C +@' ' @ D' 1J- C @' 6(%]RR bR' ! 5$' ' cR R 8/ >E,' 3 !(! . ++ C> ' -C' -+B' ?@A' @..@A' + ' +-'A ?@' %4=NN ' $' % $' %) 0' c&N 5-C B' ? J@+ .-' @CJ .-'\' ? -CJB@' E@A' @ D' A' ,@CA@'D A@C'A ?@ Z ,' c]RR+C' $' , 0(<& 0' & (PO' #,D@' ?@A' ->GA' G,U' 'UGA.@Z AD' B@'G' GD' @C+>->? Z , C.@' AD' ++@? JC@' '%]NR <R' " ,!%% ' ? 1! '&C@ ' J' '!+' :@C-C ' Z + , Z +B@' B B' >? +G?@' ' @D' %C@+@' C@ @' c]N<+C' , $' , 0(C (C 0' NR% &C G@C' -+BGC BG,@' ' DGA' '.--D' -CU@' %]bR %b<R " 0' &) ' $ ' 'NM ' B@' D->.B+@C' -' !G-A' B @' @A@' B@CZ AD' +B@G' B @' GD@' B@C,E,G @D' %')]' ' L ' $1! '&%! &* ' S Z -A@' ->.B+' +-' G' BG?' @,'? G +@C' +B->+@' +B +' B@' B >@' GC +' +>DG@D' '%bNM C ! (C (8 7 'D@' 7 ' cb<%.' #O 7 B +' G,,' G@' B ,,' E@' D-A@' +B' :@ >' $' ' GD' %BCG +' AD' ! >G->C' -'+B@' -C,D@' %b]R %' ' -$ ' <& ( )@ ,' @' G->' ?-+' +-C ->' J@-J.@Z EC A B@' - ' $-?>,>Z >ED>@C' - ' C@ ,?@' ,%b & B . ' ' C& ' " 8 CE (K= -CD A.'+-'+B@' A>?E@C -'+B@' , E,@' -A+ A@D' A'@>@CG' @Z @C +B@' ? ' ' GD' , -A. ' -C' B-C+' ?@@+@C' S;K;Q' ' ' * (8;M=L(MM' B> ' +B A. ' C@' D' C@ +' A' C E@G%BC +' +' %MN ' ' ' ( )'3) + B ,,'E@' D ' -G .@'C-G ,,' B ,,'E@' D*>D .@D'EG' +B@'A@@D' ? ' U@' ?@A+' -A' '+B@' ,@ BZ B@C@' +' '@A->.B' +-' 'G' B ?' ? -C+ ' 4M<N ') - (E (C'SS 'e' ' B@' %-,->C-' ?B +@C' A +@B@' # -A' BG' B@' ' D' B +@C' +B A' 5C@@ +-A@

' ?' ' *,N>/ H *6' < 0-D* 73II-D* (< ?' '4 -E 7? D4(E=-' ' (* =1/ I ' ?' ' H *6' -44 L= = 7?0-?4-R)-' 73II' 3-?70-' *6-' ?F 7' (44-K-' 7 -=-4? ' 70' =7 (< =7 I, ,D/ ' " W *6' ?7447W K ?4 *)-' ' 70' '=7 (< =7

B@' ?-D'J @'>@' 8 (B '+ -'D @CC@' ?@ A A. ' +B@' JC@D +@' ? @' D@A-+@' A' ,,@.@D'-C'C@J-C+@D' +' 8 ' A' !>-+' ;MSP(Z-C' D@ C J+ @' +@C?' ?@C' 8 ' A' !>-+' ;KLK(=$+' PML!' 6)A) CC)' 5*Z 7 B B@' -> @' >+B-C' B +B' EC->.B+' +-' ' A -C? +GZ G A.' +B@' J ,,@C' +-'E@' A' B@ .B+' <'/ ?@+@C ' 2S)L' -B. ' % ' , ' OO=' , -EZ ,- EZ AD' !B@?@' ' B B' A-A@' E>+' ? DD@' ?@A' ,' G'+-' B >@' D@ @AD@D' A+-' 'C@ @J+ ,@ - ' ->,@' ;M)') '' ? ' 0' &' 0' ' 8;MP;(' PL' & J Z B-?' !+' ;@C-?@Z G@' +-' B @' E@@A' +B@' C + >B-C-' +'^3 ,@A C A ?a' ;QNM ' 9)' && ' " &! ' 0 8;QNK(=0' +' @@' .C@ +@' 3 , @Z +-' G'B ?'+-'E@' '3 A- 'A-'&C A J,@ 0L+' ;P(KP 9 7 '+C' , &!$">' &" 'S S' / A@C' -' +B@?'D-@' G'+-'E@'D@ @AD@D'-'+B@' ,A@-' '3 B-?@+ 8 @' ;MNQ ' & 0' 'O=L' ' CC@' A' -?@' -C+' ? G' E@' D@' +-'E@' '$ > B@CZ -'^@+ a' ;MSP' ') $ (4PO' B ' ' D' +-' B @ B JA@D' E->+' +B@' + ?@' +B +' +B@' :>D.@'E@. A'+-- @?@' A' C @,' !$%>$' 7 3 ' &!0' C & (C ' , :MP' J, A@+' ' D' +-'E@' J@C@.C A@Z B@A' B@' ->+' ,' @A+' ,'D.A +@ ' $ +J 3 ' A' C !($ ' 0 4 % , OPO' % +@ B>' ' D' +-' E@' -E+ A@D' C-?' +B@' --D' - ' J@ @ ' -'+B@' 3 ?-' ;KLK' - ((?& ' <KN B@' +C@@' C@' +B@A' D)' +-' E,@@D' $ JO' ' ' *0' < &!0' & '2$!!(,0' 0' QO' B (J + B' ? G' E@' D' +-'E@' D- @ + ,@D' A-+' +'B ' J C+' $ &%' 0' V ' 0' QOQ' B@' C> +' '$B X-JB-C ' 3 A.,@' D' +-'E@@' AD' @D E,@' O> ' BL. ' C " & 0' +' O;' $- U' B B' +B>' " ,- ' +@C' +-' ,+@C' +BC->.B' +B@? ' C@' D' +-'E@' J@C?@ E,@

KU' H *6' D7K (*-' 73II' , --' ' '#/

,'4=NN^ @@' 'Q' aZ ,' ;==N' & ' " 0' SSS ';M B@C -C@' + U@'E@D@ J +'A-A@' * A. ,,' A-C' *-,,@' +' ?G' +@Z +,@' ' B >@' @.. D' AD') D@' ,'?G' @

*6' ' ' ,(' L-0=7 / ' % ' *7 1(J-' < =K0(D-?E4 (DDE=(* 77' =' (K(=*' ,

$ TO\ ' , 0' 0' LPO &C@ W@E ?Z, +@E+?ZD-B,? B@- ?@Z @ @'B ?' B@-?@' ,'B ?' ' , B@',@-' '$' $ & 2 !')' 0' PN 8:@ > '3 ! (' " -?@' J>'D@ +' ?@' .C-?@' \' @ +' ? @' B-J@' +@-A@' P' B-?@' S;LNN) & ' ( ) ;=' T ' .-DD' -+B' aV Z D'B ' -' ? ' ;KOK ` ,B" (0' C 'S Z ' ,,' G)'+B@?' A-' AD , ' %60(=-' - ' " ' I ' ' ,70' * 'K> '*7 6()-' , 7/ <-(4 K=' W *6U' 7? *6 K=' *7 6()-' , 7/D7 -R 7 'W *6' 70' 3-(0 K'EL7

;QO=' ' - ' - 0' % S S S)'8;K=N(OMQ' 7 @' B D' A-+B A.' +-' G'+-'B ?' ;QKN' & ' -'QP' 84QKQ('P' &@CB J' G->'B @' - ?@+B A.' +-' G' +B' +B@' .@A+,@?@A' B-' ? U@' +B@' A@ Z ;K=='7 ' ')' 0' 0' C$ ' ,'OQ' ,'+B@A' +B ' $-?@' B D' +-' G' +-' +B@' -A @C' -A' ' C@, AD' ' ?J,G' +B ' $ >$' '.'C !&!0' (&') '8;KKQ(MO=' B@' ? + +-A'B 'A-+B A.' +-' G' +-' +B@' -C' A'- 'B@' -CD ' ;KKQ' ' ' A' 0' ? & 0' 'ONO B@'> @' - ' +B@' -CD'$ -? A' B@C@' B 'A-+B A.' +-' G' +-' +B@' %B>C B' - ' $-?@' ;KKK] ' !0' ' ! ,' 0' ;P;' 7 +B' +B +' -A+C- @C' G' +B@' C B' %B>C B' B A-+B A.' +-' G' 4<N=: ' - 8. ') .0' E' 0 0;' B@' %B>C B ? @A' - ' +B@' -C+B' ->,D' B @' A-+B A.' +-' G' ' &>C + A' AD' A+C> @' ->AD + -A ' N' N! "' I ' ' -*D /' ' '

F *7' 3-' (34-' *7' (<<ED-' ,=71-*6 K' 7*6 K/ ' <-?- D-' 70' -R*- E(* 7 '7? 7 -=' D7 <ED*' 4=7 ,D7447T / ' - ' " ' ' 8*7 @ '6(3 *E(44+' = 4- * ?07 1' (' 0-* 0 K' < =L7= * 7 '70 (DJ' 7?))(D *+

4Q ? = ' 2 . S $ "' 8;K<;(: ;NP ,,' +B +' ' A' G' -C ?G @, Z +B +' 'B @' , G' @ C@D' D - @CG'^@+ aZ S) ' : " ' (8 ' % ,)! ' ! ,$ ' ' '8OK<;('OO;' 0 B-J' 9@A ' ->,D' A-+' U@'+B@' -+B) ' AD' 'D J- @ @D' E>+' B@' E D'A-+B A.' J@ ,+-' ,G' -C B ? @, ,' U ' 7 *0(=*-<' W *6' ' ' D-0*(' L07)-03 (4 47DE* 7 =

& 0' ,&!!&D0' B +' '@ @C' D' +B A' D-A@' -' --A@C' D' +B A' D-A@'

3=74E*-' E=-=' 7? =- =-=' (< ;' (' H *6' (<)' ' 70' + ' =*-(< 7?L07 71 (473II' ,D?' ;3/U' (4=7' 'D4(E=-' *07<ED-< 3+'

&)' &%' ' $"' &' ' ' -,,-I> ,'@SJC@ -A' - ' +-A B?@A+' +' -?@' + +@?@A+ &&$' ' < & *(3 CU'S 'SM " ' ,@-? A.' A B+ ' >AD-B' B +' @ ,,' ' B@' @D@' IOA++' ' =ML' & ' .-D@' ? AA 7 Z ,,' ' @))D@' A>' , ++, @CZ)@E +@AA') CG ' ;O<Q'$ '< . B '8$-,, (K<QO' 7 G' @, +->' ' ' ;LON'$ ' B ' 0' 4L=' (V@G' HL$' A-> 'A 6@' @G' @GA' CG)+' - ' ;L=N " '1(!+'J AA@' B@'-J@A@D@' B '?->'C' AD' B ' V>'X@ GD@' ,'4=LF (' ;MO' B> 'B@' @G+B@'+-'E ' G@' A' @ ! +' +E->' ?@' - ' SM ' 0' ' (' ;LK '+B->' C@ > @Z AD' +' @A ->A+@C' +B' ?G' 7 C +BZ G' - ' SM)' B . ' &*'8 CE(ML' 'B@' E@,@@ @'+B A. ' -A,G' E@ > @' ' +-C' G@' - ' SMMX . 0' $, ' ' ' $' e' ;M' ONO ! G'G->' - ' ;M<K - ') C C' 0' ' (C'OMO ' @' C@' -A+' +-' GZ 7 @,,'D-A@' ;Q=< ' +C' < ! ? $ '8;QKO('Q' !-' G A.Z B@' DC@ 'B ',-A.'C J @C' ;KS= B ' & ,'SS 'LQK' B>' G A.Z +B@' BDC@ ' ++,@' GZ ;KQL'3 ' B7 ' $',"S Z T1->' D-'A-+' G' -'' CG' Z A' -?@' +-A B?@A+' ;KQP' # 8 'C!$ &' 8@D'O(:'LNM O@' J@C > D@D'EG' ?@Z AD'D-' ' G' % ($%$J' ' ' ' 0' ' %' ' 'P= ,,' +B@' C@ +' C@ %->A+@ @ ' O < ' 0]' B@ C'%-C-A@+' G' -

E ' =-< ' L(0- *6-* D' D4(E=-' < D(* K' *6-' (E*670 7?' (' TE7*-< =(+ K' ,H6- ' *6-' TE7*(* 7 ' LE0L70*=*7' -R(D*' *6-' 70<-0' 7?)-03 (< =E3II' =7*- ')-0*-< / 4=7 ' L(0- *6-* D' -RL0-= 7 = 4 J-' >=6(44' '=(+9Z'$4-*E= (+ZF D?' 07

,'4OL< $!' ' 0 M T' B@C'?@Z D-E+@C B@' @ ' ;O<Q'$ ' < . 8 '8$-,, ('<O4' ->@CD'E@' @D@' @'E@E ?@A' D@' DC >@' E->+@' ' LMO' 7.'C0'C 0' ' ;=< AD'B@' U@D' -'B@?' ' ?*- ' J ' V@,@++C@ 'T%@@ C' * H' @ D@AZ T 7 @' @- V @' B-A@' %;L3' B ' * '$'>'C &!0' ;Q'T GZ E' .-D ' ->,@Z +B +' B ,' E@' A +Z"' !@,D@' +B@' !EJ ?' A' ;SPO< ' &!"' !&) ' 4OLN' +' '+-'DC@D@?' ?@A' G@ Z @ +' +B@G'E@' ! D> @' ' +B@G'E@' GD' GA@' $';PKP' .8 ' !" % 2 0' &' & - ';QP' B->' ' E@.-+@AZ -?@' @ ' ?@@Z,)+ S+' +B@'D@>,' AD' 'D>A'U- ' ' ;P<N ' 5 ((+' MO' ?@AZ+-'+B +' C@' JC G@CZ G' ' 1 0' A'+'OQQ' 7 BG'+B@A'G->' ,@ +' ? @' 'A' @ CA@ +Z B ,,' G ' ;M== ' $ "'8% ?D@A(=K ' +,@Z E@,-A. A.' ' 'D>U@' ;M<O' $ ' 5 !!' 'QL' !B@' 'P@' +B@'%-?Y J AG'8 G'+B@' D .@(AD' ,'+@,,Z+B@'8 3 A' ;QSN 8 6' 6 " !0' &' !!$' < ! @J+Z B@' / >U@' -'#C?-ADZ+B@G' GZ ,,' E@' @>+@A A+' -' C@, AD' ;Q<K)' 9) 8 ' ' $ ' " M !B@' ' @ .B+@' GC' C'-,DZ B@' D' ;KKO' 7 ! ' < .R ' $ " ' 0' ' D'%B A' @,,-C' ' !-A))' ' -CU'-A' 'A@' ' AD' ,C , J, AZ8! D' +-' ?G @ D (2

*6' E=-=' *6-' 0< = K' L0-=' =' 7?*-' '=E3=*' @ *E*-<' % =' ?70 *6-' L(' *' - D-' ')E4K((0' =L--D6' 70' II7DE4(0' 1 ,*(* 7 =' 7?' *' ' Y ' + $ $=(< '>' $=(< +7E2

A' >A@D>E +@D' > @' - +@A' +B' C@J@+ + -A' ' ! G '+-'?GY @,Z # " '*' '? @,,Z G '3C'! ? +BZ)'B@' X) O' ') '\' ' . 0' " C) J(Z U' 9@+ BZ G' Z ' A'@S @,,@A' +&BG A' $>++' 7 3 ' $"'&%' & ' ' " '>? B'8 G'B@(' B +'G->' C@' 'B + B A.' -?@'&,-+' 8 ()'B@(?>' C@' -@ C,G EC)D' D' $>++' 8 6 ' 8 ' C &' LN ! G' % CGZ G' B@Z ,'A@ @C E@ CD' - ' > B' +B A. ' $>+%' ' - . ') ' !$ & ' '@ ' C,G 7 U '8;KK<(==L' 3 C O C.C @' U@D' B@C' B@+B@C' B@' ->,D' DC AU' +@ ' ! G '3 C ' @ ,ZT 'D-A-+' C@' ' 'O. ' ;QSO' &!! , 0 # ' ! (" ' ' LKO : ' U'G->Z G'B@Z E@' > @' ? ' >C@Z ' AG'-A@Z G->' A' . @' A-C? +-A' $>A+'< R ' \' ' 8;QOK(@ ;P' G ' ' +-' ?G @, 2 B 'C@ @C@AD' ,, +-A.> D& C -A' ,,' @C+ A,G'I> CC@, ' $> &' ' 7 '?$ $- ' &2 ' ' 'Q<Z 'E@, @ @Z G' Z +' B

! : ! 1

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ON

-C G A ,, KNNN -J @ % @C / (!
0 +B@+ - , + C@ AD + @ JC@ @A+2 D+B@C ; + -C LCD
3 C / > B) , 8-,D -C ? -) ; + J@C (2 AD
&C E) ? , C,G > @D
, ;P<M (& + ;P< 7 @,,2 G + C@ D2 B + G->C
>C+B@C ?@ A A. A +B@ ? ++@C SM-S >C &)
OL ! G : D- J@ , @ +B B@C 8 ? G -CD(B + +B@A ;M) L
11 & ' - 0 < ' 0 S, ; O>+ G + B D E@@A ->+ - B
G $%/% . = +C ?&,,$ ' T 0 $ '$ 0
SSS 8;MQ=(OLK 7 B@A &C A @2 G + E@ A-+ ->+ -
JC +@ B +C@D2 E>+ *> +,G D-+B @S AG .C@ + # @C $>J%
B . ' $!(,, MM &,@ >C@ AD & ? C@ AD@@D +-
@C+ A / @.C@@2 G +- @CG B .B / @.C@@2 D +C E>+@D
? -A. + > +B->+ AG JJ C@A+ $@. CD +- +B@ 3 @C + -C
/ @ ? @C + - %B C +@C 5N " B . ' ' - - =KN2M @A>
] G - & C A ? CE,@ A @ C,G C@@U +G,@ KMS
< (5* , 0 " 2 C,G A +B@ @@U2 -C G 7 @DA@ D G $ %J
: 7 . A (@+ 8;KQQ(;=Q B@ .@ - ? G
J@-J,@ @C .@ A J@C @@U " C @ + A.2 G) P ? -C@
O >/ . A A0 " ' E C) %" **!0 $ V 4 LO;
$ D > @ +-C E@,-A. A. +- +B@ ?@ A.,@8-C G -JJ- +@
A.,@ ($ >% < .) & - , " ' , (;=L O>+ +B@
J@C -D - 8 G(;NN G@ C >ED D@ + @, !!1) >
" 0 (=PN I> , -,> ? @ - 2 G2 +B C+G AD -C+GY
-,D D ,>+@D A-C ? , D

:: 6- ? *7 =(+ = E=-< L(0- *6-* D L60(=-=
W*6 (<) 70 73M (=
; U 70 +
+ U -*D , ? =- =-= ; ! /
+ - F ^> 170- D700-D*4+ =L-(J K

$;#88 , %) ! -B +- @..@A2 A-+ O B
>@CL@+@ A ! A. D@D@ ! + ^@+ a S <Q $ FI. B 8$-,, (
LQ=Q O-+@ +- ..@ ((@..@2 @G@a -C+, B@ B@C A @C
A@ A@C # JC- @ @ A@ - -C+@ @ A B@ -C,D J@C)$;LPO
= C& - 8@D " ,,(KS J C@ D @,,@D ->C@ U A.2 J@
>+B +- A@ 7 +B E ?@A)@ , +@,, B ,@2 , 4LKM B
C & (OK= 5-C -+B@ B@ -C+BG ? A +B ,,) O>+
--+B +- @GA2 A--+ B- ?@A BG? ,,@ 1 0 =MK +

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! 1

' @@ A' -A.' A' @D.@GA.'+ ,@' # ' C @,D->A' \' - '9@AD ,@2'
-A'(V ?' G' ' V'(V ?' C-.B+2' \' A' mV@C') .' +' @?@'
A-.E+' !=<= L % ' % ' ;L=' %->C+-G @' , A. .@' AD'
@,,' GA.@' '?- B@' -C+B' AD' - +@' 6+G,,'
$"'LO O' @ C G' A @C@D' T' @,@' D@' B@C@' B >@' G@'
-' -C+B2' D'B@2T +B ->+ GA. . A'2' D ':'' 8 '
C & 0'#' $' *E2' ! G A.' AD'D-*).2' C@' + --' +B A.@ 2
@' G' ;PK' .. ' $ " &-' $ - * &'' 8;<NK(' L' ! G'
A.' - ' 3 @2' B@ C A.' - ' -A @ -A 2' JC@ B A.' AD' > B'
, U@'D>@+ @' AD' >A + -A ' - '&C @ +B-D' 7 ' ' \ 0
=V6 ' L' 8OK<Q(' LK' ! G A.' EG' B@ C+' ' ' +C@ -?@' AD' >AY
+ +-CG'U AD' - '+@ B?. -CU

$ ' ' G ' ' ' 2 ' ' I
! ' ' 2/ ' ' ' 2 ! $
?' ' ' '> ' ' 7 '

;K=Q' = ' ! /' 0' & 'SS2' B@G' -A +' -?@'
A- ' E>+' +B@C@' 'A-' G A.

; ' 71-*6 K'*6(*' '=(<U' 7WD6 -?4+' =71-*6 K'
6(' 6(='3-- '=(<'3+'(',170-' 70'4-==' <=* KE =6-</
L-0=7 ' (' (L7L6*6-K1 ' (' <D*E1

;LNL' $ ' B ' !$' ' "''' 'QL=' J@' G+G @' J +', G'GA'
BG ' E@DD@2' 5-C' B@C@' @GGA.' S' -C@' DC@D-@' ;LKQ K' '
6 9' 0' & ' ' '8!U@ +(' LPP' %@C+ GA,G2' B ' A-E,@'
G A.@ ' A' ;'A-+' ?@AD@' ;=ML' ?' & ' "' Y1.0' LLO'
AD' J@C JJ-A' +B@' UGA.2' >J) GA.' +B@GC@' !@G+A.' +-' E@'
+C@ @2' @A+'B ' ,@++C@X' - 'JC >@' G.A@+' +-' +B@' # @C' - '+B '
% +@' ;PLN' J ! +>'=LQ O' U@' A-' B@D@' +-' B ' G@A.@ ' -C'
B@' ' ? DD@' SMXS' . ' ' L'L' =2' ' ,,' A , A@' ? A@'
@ C@' +-' ' J C E,@' ;' ,,' -J@A' ?G'D CU@' G A.' J-A' +B@'
B CJ@' 4MQ4' = . 5K' 0' A ' ;N=' 3 G' B@ C+' B +B' E@@A' '
+-C@ B-> @',-A.' - '+B A.' AD' G A.' ', D' >J2' J-C+@AD A.'
+C A.@' @ @A+' ' ;QSL' . ' ' - 0' - 'PO' LLM' +' '
' ! G A.' ' B @' , G' D? C@D' B' 3-A @>C' OC>G@C@'
SK)' = B. ' 0' ' 0' ' '998' B@' 9 A.'C@ D2' AD' C@Y
? A@D2' -CD A.' +-' +B@' G A.' - '%B>C B ,,2' B CD' ' +B@'
? CE,@' B ?A@G J@ @' ' 7 B +@B ,,' ;KPK' $'
!!' ' &' ' ,2' B@A' ?@' G A.' - 'DCG'B>? ->C' 4KQ4'
' $ ' &) - 0' MOL' '3 G' -D'E@' +B' +B@@2' @@+2'
B@A' -,D' AD' .C G2' AD' J +'D@ C@' "' ' G A.' +B + A.@C'D'
B@C' ;K<Q < S ..' \' ' B ' =0 ! H' #&* ' ' "%#12'
! G A.' - ' ->C' -CD

*7' 71-*6 K' D7117 4+' =(<U' (' L07)-03U'
%% ' Q'(' DE00- *'?70'1' 7?'=L--D6

,';=PN))1$%' $!KM 'B >@' ' - BGA' GA.' ?-A.'G->'
AD' GA' J +' -DG' .C @' G' -C+B' 'A@' ' GC@' S)'
9 8' &' 0 8% ?D@A(' OQ' 5-C' +B@C' 'JC- @CE@' AD'
@G@A.@2' +B +' ' +@,@' +B +' J@UG+B@2' AD' ' -? A@'+B +'
,,@' B@C@2' +B@' 6@' E@' .-+@A@' E-+B@' ;PLN' (C 'M<K S
-D' @'G->2' B B@' G@A.' @' > @' B A' @' -?@' C!+@'
+-' -A@' JC@ @A @' $';MN=' ' &' (!0' 8;MLL(' @'
-CD A.' +-' +B@' -??-A' G A.2' 7 B@C@' -D' B +B' E '
%B>C B2' +B@' /@ ,,'B +B'E '%B JJ@, ' ;Q3' . ' $!'
-'PN' J'K2' ' A' @@' A+-' ' 3 ,, +-A@' ' C' W A-+B@C' 8
+B@' ! G A.' (' SKM' = L' = B.. ' * '8;)N(' 'SS '
LPN' B@'A ?@2' ' ?J, B@D' A+-' B-C+' JC- @CE ,' G A. 2

?' ' 9 G ' '

4L<N < 8 ' &' %0' 'LNK; ' +' +'B ?' @,' +-' A.@' AD'
D >A @2' AD' D-' +-',- @' E '@A+@AD A @' A' -A.@' E-+B@' AD'
A' @G A.@' +@C' +B@',> +' - 'B 'J,@G A.@

*'<' -L-**7 '7?'(' =L-44' 70' D(*(*7 ' '

;LNL' $ ' B ' $' ' "'' 'P=0' '7 BG' @GD' B@2' G,'
BG+' A +' C* @2' AD' G' B >@' D-' J@' ?@' G @' AD' @GD' J@'
>CDG 2,@ @' A@' ?-2' AD' -C ?G' @GGA.' G,' BG+' A +' .-'
;L=N QN' !)%' 'PL' 7 +B' ,,' J@' G,@' -'B ' @CU' J@'
@' .-A' @A B >A+@2' OG' @.. A.' - ' -C @CG' ,' ;PNN' !)3'
' 'O<M' !-' E,GAD' G@' C@' EG' B@C' G@A.' +B + G@' D C@' A-+'
@A!>@C@' A-C UA- @+B' B@C' B@' E@ -??@+B' -C- - - +B

>L' ' ,&!! , (' V- -0(' 4' 6(3 *' 7?'=L--D6' U' E=E(4'
1(-0' 7?'=L-(J KU' *6-'0-1(0J=' 7?'('L-0=7 'D7 [
= <-0-<' D744-D*')-4+'

,';==N & .' " 0 SSS' =K=' ->.B+' -2 C2 B @' @..GA.' '
>,' -+B,G' -+B2' +' ECGA.' >C@' E@CA)' A' E ,@' -C+) GAD@'
,'$/>+' 9' 9 7 ' '!&' ' &)' ! "' @Q=8OC AD @' (O>+'
> B' --,@' A' +B@C B C+'D-' G' B +' +B@C@' 'A-' -D2
A@G+B@C' "@ >@A2 A-C' "@,,' -CD A.' +-' +B@C' ! G A.' +B@G'
-,,- ' +B +' G'

:#' ' 0 K6*' *7' =L-(J7 (' S')7D-'2 ' (' (==-134+'
4=7' ' " ' ' ' K'6()-' =7D -*6 K' *7

G'*7'>' ' ?' ' L

;)KQ &!! '8 C$! 0 !0'L<Q S B +'A-' ?@C B >A+ 'B@C@' AG'
- @2 A@'B @' G A.' A' AG' %->C?' ;PMK' < 6 ' &%)' +'
;L;' B@ @' S@' ,D@C?@A 'UA- GA.' +B +' A@ +B@C' +B@' D@C
; B->,D' B >@' AG' ,

2' @A+' A+-' '% A-A
j j ' C&!'10' MQ' E2' 8/' '+B@' -AY
+C CG' J C+' +B@' % C+B .,A@A @' C>,@D' -A' +B@' @ ' >A -A'
+C- 6@D' AD' B-J@D' @,' +-' B @' ' G A.' EG' , AD2' , 'S.J'
= (6 " B) &%' $!$' C' 8;MLL(' ' 2' 5-C' +B->.B' +B@G@C' D-@'
' B ,@' A C@ @' AD' ?>6)G2' @' B >@' ' G A.' +-' +B +'
>AA@CG' ;MNQ' O' S S' $ 05 0 00' L2;' ?> +'
B >@' ' G A.' +-' +B- @' E-++@, ' = ' 0 +

H' 92 /' 1!0' 0' 1 0' K$!' 1' C':$L'
G ' ' ' ' ' ' ' 3 ' ' $

' * ' 0' $ 0' ,$!0' 2' OQ=' %-?J+' ? D' +B'
7 ,, ?' !+C @ A.' -C @SJ@A ' ? D' E@' B ?' J-A@' +B@'
GA.' - ' +B@' ,@D' ?GAD' - ', G

!$' &' 10' 2 / ' 1 ' 1 ' '
2' ' ' ' ' ' $

$';KPK E C (' 2' & '?$!!$ 'P;' B@' G->A.' ? A'
DC- @'B ' G A.'UA @'/@@J' A' +B@' -7' ? A 'EC@ +
2 0' SSS S2' ^" @a' J>,,@D' ->+' ' G A. UA @2' E->+'B '
',-A.' . A' ' +B@' D'JC @ + 'B AD

2 5' 2 / ! $ ' $ ' ' J' /
2@) / ! $ ' ' "' 10' /
' 2 $' 1 0 $ Y> 0 K $!'3$' ** " .'
'' / ($

%;=L!' & 0'C&) $! &' -CC@A+' GD T A' -+B@C' G'
B@A+' -,' ' @@2' #C@' '+ U@' -CD-C' - 'UAG.B+'

! GA> D2' C A+' - ' '$0' 1 0(?@'
! GA8@2' -E ' ' !' !' ' '
! GAD8@2! GAD ? A ' @ ! J2! / !3# 2

:

(+E *-' ,=-. (*/' # ' 0(' V' ' ' ')7 '
'73-44 :& /' (?*-0' ' %0E==(' *=' 47D(4*+F'
' G+$L' ' 2 2 ' ' ,

;KPK : ' (' ! -0 ' 0' O<K
2 (
2 9! ' ' ' '

' (+7 ' ,=@+76/' 2 =' 0 '(EK1' ' F'
=--' !' $L' 'J <'7?' =4--)-4-==' M(DJ-*' 1 ' '
*6-' <<4-' K-=' 3+' 1- '7?'*6-' 47W-0' D4(==-=
$'%]<' B ' & - - 03* 0' ? .0 8;K=<(' 'L=L' & @+C-'D@,,'
,,@'D@ C E@' +B@' E ' ' -CA'EG' +B@' &@C A ' AD' C E '
"-' G +' ' ' G-A' -J@A' A' C-A+2' AD' +B->+' ,@@ @

2) / ! $ ' '
2 / 2 / ! $ ' ' 3
2 / 2 / -E ' -C? ' - ' =+'
(+ =7' 8)>(2 ; ' (8' 8 ' ' ^'
T' ' ' "1 , ' L-0=7 .=/ 1-0-' W70<' 70
<D*E1' ' ' ' 'I + ' 'EL7 '7 -.=W70<'
4=7' - ' ' ' ' ' ' S'*7 6()-' *6-' =(+' *7
3-' *6-' (E*670 *+

O+J>' ' B ' ' 0' ' ,&!'0' '=< B@G' C@'-A,G' G -@ 2
AD' A-' JC-- @' +' @,' ;MQM = L 'C ' ' 'O' B@C'
! G -' + AD' -C A-' &C-' ' ;QPQ' - ') & ' ' 7U '
;Q<< : ;=K / -' G->' ,- @' ? @ +B' ,,' ?G' ->, 6J-A'
G#>C' G -'r' 6J-A' ?G' G-' S*7' ' ' 0 'C& "';KP'
#A' ?G' ! G -2 3 2 ?'+>CA D' +B C+@@A' SKJ-' / '%' = B R
'"&.'' $! '<)$ $'' 'S';M<' 7@,,2'>J-A' ?G' G -''
D' B' 4K<M $ * C ' $ 0 4% 4 'LL O +' '*> +'
J- E,@' +B +' '+--U'B ?' +BC->.B' C-?' @ '1-CU' +B->+' '
+C) A2' EG' +B@' ?@C@' G -' ?G'J@A' SJ- 7 $' ' $''
"@' '+B@' ,--U' +B +'B D'+B@' G -' A' @ '1-) '
(+ W@4 ' ' ' % '-RD' %' ' 4=7' #'=-+W-4'
=- W-4' 0?' ' ' '5 ((" ': LL07)(4' -R[
L0-==-<' 'W70<=U')-03(4' D711- <(*7 ' , 0 K'(='
, %

B* ' 73' 'A ' '4';< %>A + E,@' - '_V@% +@, '
B B' G>@' @C@' -A@'E'B ' >C +F' G ' ! C@' @- @,' AD' @G'
@,' ^@+ a2' SS'' 5 '?$!!$ '8&@C G' ! - - ;K==(M' ! G @,,'
'W--D2' E>+' D- @,,' 'EG++@C' (M K' < B. 'C $,0' &
C$' " 0 8;MO<(' <' "@' D D' A-+' @,,' +-' +B@ ? C' +B->+' +B@C'
! G @,,' - 'B ?' 4KQM 1"' '<!& (PO T ! G' @@,' '.--D2
E>+' D@@ @@,' 'E++@C' 2@SJ, A@D' EG' B +' +B@' J->'? +C-A'
C@? CU@D2' T' AA-+' +' ,U' ?G' C@,. -A2' E>+' @, 2' +B@'
' (+@<' ,=@? +</' 4=7' =- <' =-+<' =-+-<'
=-++(<' +-<' 0 0(3' '4*' S470<2'
SL0 D-2' ?' ' 76(11-<('D7E *0 -='
*6-' *4-'K)- '*7(1('W67 ==ELL7=-< *7*0(D-'3='
<-=D- *'?061' E=('*6-' -4<-0' K0(<=7 '7?' +B@'
%07L6-*' 4=7'

Q\'O>$9U' L0'$ ("' 3 '7U' ;KO;' '.*' "@'
' '!G@D2' +B +' ' +-' G2' 'D@ @AD A+' - '3 B-?@D2'
SK+S' +C' 1) ' $ 0 $1(A C' . &' G' &"'0'4 ' L<'
"@' ,--U@D' +B' D D A'>J-A' +B@' >CU B' !B@CC @ 2' AD'
+B@' C E A' !@D ' S! G') ' ' ' X 6' - 0 8;K=P(
' '>' PM' 'G->A.' " ' C@AD' - ' ? A@' ;K=N -
V&& $' '@+ ' :' '<< ,,' AD D> ,' - '+B + -CD@C' -
!@G@D 2' ,,@D') ' U [' 2' B-')A' E- +' - ' A' AY
D J>+ E,@'D@ @A+' C-?' +B@'D)>)B+@C - '+B@' JC-JB@+' A' +B@
?)@',A@' 4K=< "' $ 'O ' !@GG D'EG'E C+a)' B@'B D'
U,,@D'E 'EC-+B@C' +-' -E+ A' -?WJC-J@C+G' 4KPP' $'5' B "
' !3 ' $,,$)0= S+S!' CE +B@' ! GG D'
'+B@D@ @AD A+-'"-W GA ' A'&@C ' AD' AD 2'+B@' !B C '
'+B@' -A- ' ' ! GG D' - ? A' AD' - ? ?-A' 3 - +-A

(16- ')(0(*7' C 'A'

! E CC#' 8 E CC+ (' & ' +- CC' 4 5 +:' , -'Q'
$' ! ,0 '=3 00-=' =' Z(' *' 1 ,&(W6- D-'
1 U'D?' L' 1 &0H' ' *(4 ((' L74 D-'7?'D-0'
$'SMMK ' &" % !"' ;8;MQN(OPO B ' - @?-6C 'B +B'
E@ D@ 'B 'J7A' .> CD 2' ?'$!!&' -C% J+ A' -'8B@ 1 '
-C' !@C.@ A+ ' cM ' &' 0 <$0' - 'OOO= ;' B@' !E CC@ '-C'
@C' - ' ;> + @' MKK' 0',&' 0C ' '? 0' $!"';;'
B@' !E C' ,(-C+' - '?@A' ,U@' ->C 0 , (CC@D' B ?' +-'
A-+B@C' ^:>D.@a' ;M<L' $' 0 <$0' ! .-)+ !E CC '-C'
@C' - ' ;> + @' ' $ 0 $!0'; ' 'OK " D'
E@@A' ,@A+2 A-+' ' E ACJE>+' " D' U@J+' ?@' A' B ' @G@2'
?@ + A. 'C@ @A.@' SKKK' ' 6 ' * & ' ' ;KL2 ;'
C-,,@D' +BC-> 8' + ,G' A' (D, .@A @2' A' -?J AG' +B' !>ADCG'
5) 1 @,,- J @A.@C
27*7477<')A!? ; % ' ' 'I347E<'
=Q! /'_&=! k /Q / /' = %% , +' ?! $
' ' ' F ' '8 @@'<)'
'%].' ' ' ' ' 3 $
;P<K' ' '0' '8F-' +(';' +' KO [U,->D' ' ?' '
?) A B-,G' ' '.GE'% +' ;P<<]' ' '0' T 5-,' (' ' 6 ';N
!E,>D' 4MN=]) OC 8F-O(LK=! E,->D' L% % 1 '
< ' E ' '2 !,>D' >A+2 B +' ?G'DC@ ?@' E D' E@@A@'
+C>@' 1 0(' 2 !,--D' ?@' +B AU' ' ? A' !B->,D' A-+' ' ?@@C@'
A@ @ +@'E@' A' @' SM-M 'A0'<&& ,$** ' ' A'O>,@A
8 (C !0' 8;KK=(" 'K< !E,-D' B +' ,@ CA A. ' A' C+ ,
-E, @@E@' +-' + B' ,@' ;QNP' S B7 ' &)' "' &)
'JC@,'-'5@,,- ' @ C +B@G',' B ,'B @'A-AG' +' ->C' @ -A2
AD' 'E,@ D' ' @ C +B@G' B ,'B @'A-AG' +-' 5% ' - .)P
' 0' 0<' 2 !E,--D2' ! C2 ->,D' +'E@' A' +B@' %B C ' E@'
- ' '&-,+ A' +-' ? U@' B ?' '%-A*>C@C' ' ;QLQ' $2' B '
$!' !! ' 'A2'S 2' !'E,>D' AD' B>AD@C2' @' ?@' +B@'
!@B2+,@?2@A+' . A2' S) ' ' $!$"' ' & ' '&-@? '8;KPQ(
' ;NO !E,--D' E>+' @C' +B@' D@?' U@'G->' J@C'
'2 373=' ' ' E 1-(K 7(*6F D?' L0-D' (<
' ' >AD@C'):
4M<' ' C!$)) ' ;ON'!E-E 2 ' ;' B-J@' +-'EC@ +B2 '
?>. @D' ,++,@' $-.>@' ')S! - ' ' ' .)' ' $', "
8;<NM(LO' !E-E' ' :'D@ , C@2' H'D-@' A-+' bA U ?
'2 37.< J E=' ' ' ' ' ' F '
; ') ' ' ' ' %]' !/ 5</ ' + 9
;MQM' B 6 ' $ $-' ' ' '8;MQQ(' L' !E-D+U,A 2' A+'
+-,D' A' +B@'%->A+CG' +B@C@' 'A-+ ' +C>@' 7 +' A' +B@' 5C '
+@C?+G'E>+' B@' ')'C!$) ' ;ON !E>D U A 2 G-> @'
,?- +' ,U'D' ?@' - '?G' @. ' +B-' ' ;QLL' 5 -?#' '
$' 1 -0 ' 'S' !'E DUA'' ' ?' A' 'C .@' ;QLL

A)5& ' ' 0' 'S 2' !E-D6UA ' 4 AD' +B@C@ 'A-+B A.'
A' ? U A.' ,- @' B@A' ' ? A 'E>+' -A @' .-+' @,,' A+-' +'
4Q<N ?" $' ' ;KL'T' !E-D U A C @D'%-X A2 'E>+' :'D-' +@,,'
G@' :' E@' A-+' SKQ ' .3 . ' !"' $ ' 8;KK=(' ;SP2
' ,-JJ'D' -C+B2' E>DD U A' ' -A ?G2' A' +@A' +-@
' *'2 37.<+ ' 'P ' 670*- -<' ?701' 7?'
F ' ' E=-<' (=' ('7(*6
M-'O2 :- - 'C& $ ' ' 2 !'E-DG2 .>@' " > E AD '+B@'
E@ D' ', ++,@' ?-C@2' AD' +B@G',' Q 'A-+B A.' E>+' " @ D' B-C+,G
Q' 2 670-=' ' ' ' ' -EL6-1 =*D' 7(*6F
D?' *6-' L0-D-< K' W70<=
;MLP' ' * $ $) ' $ 0 ' 2 ! E- @' ' E +' ?G+-A.>@'
+--'B CD
Q'2 3E<,=' ' ^> ' 0
4MQM B 6 ' $ $-' ' ,.!' ' ' 8;MQQ(' L2' ' ?' B@ C+ ,G'
., D' +-' @@' G->2' --D' 3C' " CCG' '!E>D' B@' JC->+ '>J'
A@,G' ;MKO' B ' &" $!' ? & ' ';;' ;2 !'E>D ' '
3-A+B 'J G' ' -+B A.' +-' +B@@' ;QLL' 50) 52 A' 5& ' '
0 ;;' ' !E>D' ' ,' E@ +'G->C' , A+B-CA' ' A+-' G->C'
+BC- +2' G->' C ' 4KK<' ' ' ,$.' !$. 'LNP' ! E>D2
@'B D' -?@+B A.' +C' +-'D-

-(' 73=' D' ?701' 7? ((
D(*7' ,=J=-3/' ' 701=F # ' =D(33-' # !'
&J(3' =J(33-' =J(3-' =D(LL-' ' !' =D(33
=D(3' 0(' ' ' ' W' ' ' 17<'
W' ' ' (' ; '?071' *6-' ; *6 D / 'D700-=L7 <[
K*7 ' % ' M@ T) '?70' D7K (*-'?701='
H *6' =- =-' #' D?' E' ' (LL4 -< *7 W71-'
W*6 *6-' =- =-=' >=4E*2 (<' >=D74<' @U L7== 34+' *6 =
W70<' E=-<' 3+' ?70- K ') (K0(* M 1(+' 6()-' 6-4L-<'
*6-' <-)-47L1- * 7?' *6-' =- =-' ' K U' *=' -*+17[
47K D(4 0-4(* 7 '*7' -(04+' 17<' E' % ' ' 4 (/'
4-1 '<(4' % 'D6' ,g ' % ' =' 7* D4-(0

B@' - >CC@A @' - '+B@' -CD' A' 9@A+ B' - '+B@' L+E' ' '
D >,+G2' '+B@' ! AD A A' -C?' ->,D' E@' >A, U@,G'+-'E@'
D-J+@D' A' +B 'D ,@ +' &@CB' +B@' -CD' ? G' A'+B 'J .@'
C@JC@ @A+' +B@' N I , $11' +B' C B X A.' J@,,A.' D>@' +-'
+B@' A ,>@A @' - '+B@' ' ,$1 ' B B' +' B@C@' C@AD@C' 8 '
@ 'S 'M2' >,. +@(' - + -A' +B' +B@ + A' -CD' - '
? , C' ->AD' B' 'A >@A @D' +B@' , +@C' ?@ .@ a
*4' ' =-(=-' 7?' *6-' =J ' W6 D6 LE=*E4-' 70
=D(4-=' (0-' ?71 -<'F (K- -0(4 *-01' ?70=J ' <=-(=-='
3E* =71-* 1-=' , %' ^' 'D6 70 =D(3 -=' ,(4=7@ '
% '0 KW70170* -(' =+L6 4=U *' ' -DI-1(
,'; PN V ' 0' - 0 A' 0'X 0' ,0 L;' ! ' ,@JC@ ^ .A@ @B,'
B-' @AA@A2 V@' E' E +-UA@D') ' "+,@ @AA@A' $' 4LNN) 0
& ' 0 :;KON J@' % E'->@C . 'A 'E-D+' ,' ' $' ;LMM B '
& - 0 & ' PPL' 7 +B->+@' E,@GA@' EE@' -C C-GA@' SbK'
3 '?$ 0' 'C0' 0' 'S '8O-D,'3 !(2 7@+@' /-@'
^ ' ,$1 ') - $]' +B' I> ++@C' AD' ,@' 1 0 S 2
/CG@' EE@ -?+G?@ -?@B' - ' I+C-A.@' -,@C U@' ? +@C
-B@C' ?@, A -, U@' AD'(V'G>@,'E ++@' J ?J@+ . ' ,'5% $'0'
% $' , > ') 0 ;< ; , -' EE@2' >? ' 'DA@' \' >??@'
@+' ' +'E@' DC @2' +' B ,')C-JC6' EM ,@J D' E@' AD' +'
E@' ?-W+2 +' B ,' E@' ,@J D' EE@' ;PLN' . 7 'OMP O
! EE@2 & ' 0 ;PML' ' < . ' & 0 @ ;O +' B@ ,@+B'
EE@ 2' AD' , @C' -' B@C' +B@' U AA@') S' B ' $E' !0
+' DC >@' G' @ JC- ,@2 ! EE@ 2 ,@@C@' +B@'
E,--D' 4MPK =L7 ' V ' 6$- ' 7U 2' 8;MQL(' P;=' 5-C'
8 J .B+-' 'B ' CE-S(' B@'D @D'-' +B@' ! E')S' " '3 '+C'
$ - ' &!!&D(SMK :' +B AU' +B->' B +' .-+' +B@'
+B@G' ,,' !J A B' $'SMK' ' 8 ' $, '8;MKL(' Q;='
B@G' -??@AD@D' 6A.>@A' - 'I> U) 6 @C) A +' +B@' E'
4Q=U +C' C) 0' 8;QMK(' 'OQ< B@' @C?' ' E' +
'C@ @A+'U JJ,@D' +-'' ,)@' DCG' ! Eb' B B'%B ,DC@A' AD'
A A+ C@)' "@ +'+-'>J-A' +B@' "@ D' ;QPQ' ' ! '
;'OKM E' A@ + ->' E2 C A.' C-?' @S+C@?@' # ' A+'
-C' >C @

+ 'E '% 0') J, D' +-' ?-C ,' J C+> ,'D @ @'
S <' ! ' - ') * ' ! .0'? ' '8;KQ;(' E 'U' +B@' .C@ +'
EE@' 7 BG' +B@G' ,,' A-+' ,@+ +B@ A@ @' +' ?@A+' .' EC-D@
GA' G->C' ?-D@C' +-A.' ;W)' ? $) ! 2 ' & 0
C !& 0 ' 2 + ' EE@' - ' +B@' 7-C,D' +-' E@' @A> ->' + '
G@C+>@2' ;ML;' ' ' 6$,)!$'C) ') - ' ;SLQ' B@'
+ B' - 'D J>+ A.' ' +B@' E' - ' +B@' %B>C B' E'8+C+?' ' - ' +B@'
G A.' ' *)$' ' ' * - ' ' $1 HT' 4Q<4
7- - '8&' & AD C(' 8 V ' ' 7U ' ;KSO' '=O< #'
-C ,A' - A+?@A+' -D@ , E'% ,,D' A G
, DE*(-7E= <=-(=-' ' (1(4=' -=L' =6--L'
0-=-134 K'*6-' *D6 (<'*6-' 1(K-'
';LKM B 'C$ 0'C &!0' LN # UU@ 2' AD' - ' EE@2
'!A ,'@>@CG' E@@J@'E@'B--U' ;POL' U ') 10 8;PL=(
%'K B ' A A@C' - ' -,DGC+.@' B ,' EC@D@' A--' ? +B@' A-C'
EE@' ;PLK [' !$' 'S' <K' 7 B@A' +B@G' m V'
B@@Ja' C@' ,- GD' A' C AU@' J +>CG' AD' E>+>' m' E +>,a'
.C->AD2' +B@G' C@' -A@' +-> BGD' G+E' +B@' U E@' ;M<Q "
' ' 0< & (' =MK B +' C@@' C-?' ->+' +B->'C E '
JC@ @C @' +B@G'%)@'= 0' B@@Ja2 AD' ,@ C' C-?' ! E ;Q=K
+C' ')' - * ' 8' & ' ;' !-?@' AD@@D' B @'
++@?J+@D' +-' ,,' +B@' ! E' +B@' >E+@C' >+ A@->' / +@?J@C'
OQ)' 9 7' ? 0' C!$' ' 8@D' L(' 'PP=' ! A@ +B @
B @' +B@ E' ;KML' 7"'< B.)' , !$' ';N;' B@')@ J'
A' +B@D')A-C+B' G@' I> +@' @,,] B , +' +B@' E' C@ JJ@ C'
G@ C,G' A' +B@' ->+B

+-' D @ @' - ' >,+ +@D' J, A+ 2 D> @' +-' @.@Y
+ E,@' J C +@ 2 AD' > A.' E ,U@' C->.B A@'
;QPN' 7' . & 0) 1$' ' 0 ' OQ8 / ! (Q<-'
$ 0 &,0 L<' B@' &-+ +-@' ' E,@' +-'
-+B@C'D -CD@C 2 A' @CG'DCG'@ -A2 S C@ @A @' ,' ' C @2
>,. C,G' ,,@D' +B@' ! E' SKKS%')) ' 'SS:>A@ B@'
@+' @ +B@C' , U@,G' +-' JC-D>' @=D(3 A' .C- A.' B@ +'
;<NK' $!"' & 0 LN # +' ;Q B@'D @ @' -'E, 9' E'
JC@ D A.' , C? A, G' ?-A.' J-+ +@.@
6-'D0E=' W6 D6 '?701=' 7)-0 ('W7E < 70=70-'
<(0 KDD(*0 I(*7
%4=NN $'% $',>') 0 ;KP A-GA+@' ,'E ' B@@D 2
+,' ,' U@ EE ' B@C-'E@ @,' +-EC-U@)' OP=N . < '
,&!$)'&C-,' 6' *E' B@G' , @' - +B@C' - A@ U EE@2
;PK;' = B. 'C& &' ' SSS' ' , @' U +A@' B@B).'
D@>D@D' AD' D A +@D' +B' EE@ ,) ' 9 ' = ' &' '
&%' &)!++ ' 'S6 (#,D' >, -?@B . ' +B' E ' AD' U>C'
E@D .B+' Q - S+' 8 6 ' - !(' & !!$'OL' 3 C22' ,)G' -C@
; ;

:

3' 'E + ' , --'TE7*' :&&#/

S&&S%'9 . ' &'' &)' ' 3"' -' -D' E' AD' 'E D'

#' '*-01'7?(3E=-'70<-L0-D(*7'(LL4-<
*7'L-0=7 =!' (' 1-(' '47W'S'=DE0)+7' ?-447WU'('
0(=D(4'=D7E <0-4' ?' %' (LL4-<'*7'('W71(

3' ,70K' 'W70J1('W67'0-?E=-='*7'I\I7
('70K(I-<'17)-1- *7 '3-6(4?7?6='*0(<-

' ' (' <' & ' ' (=' % ' (<||U'
=D(3 1 *-' '*6-' *D6 1 *-' 2% + ' % !'
*'=-(3 L 7J-0'7 -'W67'*0-(*-'=6--L'?70'*6-'=D(3

D(3' 8 U ,@E(? 0?' '1
?4' 7'?701'('=D(3'70'=D(3='EL7

' (' <' , ' 7'3-D71-' - D0E=*-<W*6'('
=D(3'70'=D(3=' 4=7'W*6' " ' Q' - ' % '
*7'=6-<'('=D(3

3'E' + ' 7'?701'S'=D(3='

7' 7'3-6()-'(='('>=D(3'>70'>34(DJ4-K

7(3(0<,-'>(0K-'73='??'
?' D(33(>< C' 1(0?' ' 1(i'2# ' ?'
% + : - -0-(4'<=-(=-'=+L6 4=

D(33(0<' @@.35 </U ' 701='' '=D(*/'
3-0D'#'=D(3-0J-'# '=D(E ' '=D(W ' =,7/J(.H.'
=J(E ' J(3-0J,-'=J(30-J' # '=D(3(0K-'
-0K-' '=J(3-0K-'!'=D(,0/30 <K-' ! # ' 7(E'
3-0*'b' 7(W3-0*' =D(E3(0*' M =D(3-R@'/6$
=D(E ' =7(W3(0*' =D(W ' =J(W ' =D6(W3-0*'
=D(43(0*' 3-0*' !'=D(33-0*' &' ' '=J(W'
3E0 ,-' >' # =J(W3(0<' %' (D(43 0<-'# '
=7(E*10<,-' ' &D(3(0<,-' !' 70<' '=J('
3(0<' 70' !'=D(3370<' -0<'& 7(0<' '=D(3[
3(0<' 0(' ' !' % + % ,0-D70<-< 7 4+' 'L'
% + H'S)(K (=2'S<747 -=2' @7(-=' <-'
V(04(<(': *6'D'!% + ' ,: *6'D' '>@
' 744=' -0' ' /$4(* I-<I% + %'
,(B #' '@ '& ' : #Y:/

%$' 6-'D(=-'70'=6-(*6'W6 D6'=-0)-='*7'L07*-D*'*6-'
34(<-'7?('=W70<'<(KK-0'70'3(+7 -*'W6- ' 7*
' =-

3' '(<@' ?*- ' D7 *-R*W*6' *

D' =<'(='('*+L-'77L-(D-'7LL7=-<'*7 *

'L07)-03 (4'E=-=

*7'(3(<7'(4'*67EK6*'77'1(J K'L-(D-

LL4 -<'*7')(07E=J <='77'=6-(*6'
70' '*-KE1- *U'('D7D77 '-*D'

9 : !' =D(33(0<' ?=6' 4 , ,+'% + +'('
?=6'7?'47 K'D71L0-==-<=D(33(0<'4J-'?701'(<
=4)-0+ W6*-' D747E0@ =D(33(0<' 0(I70 =6-44' ('
0(I70 =6-44' ' " ' =6(L-<'4J-'('=D(33@

D(.33(0< 0 `' ' 4=7'"=D(43-0'
0?' ' 'B' ?' E' % '3-KK(0'
07KE-'G' 'S'=D(33-<'?L-0=7 '

*21 1 %' ,=J(- 3@</' ' 4=7'!' -0<'!&
c70<' 7(0<' ?'(LL'(<' V' % '*6 '37(0<
=(W'7??('4- K*6'7?* 13-0' '=TE(0 K'*'?' % '
=6-44'0 <'-*D',=--' ' -'B' & 'FC'V'
% ' ?' & ':'W6 D6'=0-D70<-<
4(*-0/G' 6' 37(0<'E=-<' '1(J K'=L4 *=' *6-'
=D(33(0<='7?'=W70<')- --0' -*D'(<'3+'L0 *-0='
'1(J K'0-K=*-0', 7W D(44-<' %

3' '=7(33(0< L4(-'$' D YN!!I@

- D-' ?' D(>33(0< K'*6-'=L(D K'77'4 -='7?
*+L-

D(.34 ,(@ 'Rd' 56' ' D
: ' ' 7'LE* ,('=W70</ *7 *-'=D(33(0<U'*7
=6-(*6-' 4=7' (<>

;' # ' 7'LE =6'W*6'('=D(33(0<',=--'TE7*=/

*21$ 1 % %',=J=-23(||<-</' ' , 0?'
& ' 16 '70'(6' ,a D' 1' () K'('=D(33(0<',7?
('=L-D?-<'J </' 3' 6-(*6-<

*21B e 1 %: 1'Y'. V' (D D K(=D(33(0<

*21 %' ,=J13<' =JK-23-</' 7W
0?' ' 6' ,a'' ?' # C
: () K'*6-' =D(3'70'(' = 1 4(0 =J <=-(=-U'
D7)-0-<W*6'=D(3'70'=D(3=U'
(' ?6E1('3- K=' % ' 0 KW701'
7?*6-'=D(4L'

+-'B D@'+B@? ' 3 K' 7 ' B ' & - (' 0'8@D' ('MQ< B@'
? - + -E + A +@' - ' ,,'+B@'@C>J+ -A ' A D@A+'+-' B ,DC@A' C@b'
+B@' ' $',$* '&' EE@D'B@ D' AD' B ,E,) A

3 ' ?(1(4=

, 8(&&%%$!& . # \ & \' aV@+ . C+@EC A .@'a @?@C@' -A@2'!U EE@D'
AD' >,' >@,@'-'E-A@2' 3 '?$ 0' 'C 0' 0'S A '
SS ,'8;=<P(Q!K B@' DVEGD'B->AD@' 'DC- AGD' +'+B@', +'
G+B' 'C-J@2' E->AD@' E- +@'B 'A@ U@' ,';=LN'C ! 0' "%'
$'.& ' '8;KM<(;;)'5-C'C B+' ' EE@D'E@ +@'B +@+B'
B-C' -?E2' C B+' -'B +@'+@ B A.@' ;PL=' - U ' ' !%0
e'=0 ' AG' B@@J@'E@' EE@D2'+B@' B@J@B@CD@' ?)@' J@CV
@G>@' +'EG'+B@' -G+GA.@2'C>EEG>.'-C' C + BGA.@' +B'B '
B-?@' $' '<$0' -';=NL =' #A@'.C G' . B A.'
EE@D'B@@,' AD' ? ,@AD@C' ;QN<' . ' $%) ' - 'L;'
'L' B ' .C@ +' "@C-'DC--J@D' ,U@' ' EE@D'!B@@J' ;QPL'
$ - 1 %' ", ' ')**0 ' ,$11 ' !'&5'%) ' A' +B@'
? A@.@2' A'@ + A.'J>+C@ ' + -A'>J-A' 'B-C @'' C> B
$1 &E' ;=K=' , ' $1! '& !%&' , ' 2'#'@>@CG', ?@2'
EE@D2' \'- ' ,,@' > B@'B@'+--U@' 'J@AG
' # 'J, A+
;M<L' 7 2'0- ' A' " 'T' 6) '$!' '8;M<Q(';NQ' -'
G->' > B' EE@D'B C B'5C> +' ' .)A2' 'C '1->A.'!->J'
D @C ' +'+B@ C' S@C A.' .A ')$';QLP' .' ')) 7 '
3 '8OQPM(';N' A'E D' -,2 +B@G'^ '@,? a' C@'A +G2'
EE@D2' AD'B D@ E->AD'+B A. ')

<' %07)-03 (44+' (< (44E=')-4+'F =--'TE7*=

N;=PN' A' >A. @C' "&'' 8;K=N(' @M' ' @ +@' -A@' U EE@D'
B@J@' A @ +@' ?' +B@' ,-UU@' ;P)' = ' 1 !!0' $! - '
7 U '<LK L' B@ J>++ A.' +B@' EE)'B@C@+U@ ' ->+' - '+B@'
D@A@' - U@' b K '+0' ' 8)'C $ 0'#' * 0' ;KMQ(';PL'
ED@'B-C @' ' .--D'@A->.B2' -C' '= DD@' I>)@'
(' $B% '' $! ' 7 U ' 8 C- C+(' 'Q;' #' EE@D'
,D' I>C@'8! G+B A' EC @,('+B->' C+' MX-' ' '
C&* '6&$''R 0 C-A>'EC AD'B ?2 A-+' ?@@C@,G' -C'W U ED'
AP@@J@2'E>+' -C' A'B@C@+ ,' U EEG'E@ +' ;MP; ' '
6$,)!$'C) ' 2 $';S;L' ' EE@D'B-C @' AA-+' E D@'+B@'
-?E' ;Q<K' 7 ' ' B ' $ - (&'' A' '8 K D('LMQ'
7 +B' ,,'+B@ @'I> , + -A ' B@' ' + A +>C@D' +B' +'? - +'
>A ->A+ E,@' J@ @' - 'J ,+CG'JAD@' B> ' -A@' EE@D'
(E@@J' J- , '+B@'A- U

Q'- ' (<+k>' M?

L% ' 3 ' !? & . 0'+%'0'E ' " D@' ?@' @,, A.'
" ,,'!.C->.B2' AD' EE@D' $- U ' ;)=' = 3 . ' 0'
$' *0' ;;'QO' A' -' C->.B' AD') EE@D' ' + A@2' +B +' '
? A'?> +'B @',-A.'A , 2 +-'D + A.> B' E@- S+' +B@'!U A'
AD'+B@' / @ @2' +B@' 5 >,+ ' AD'+B@' C ?? C
?' E + ' 4 =*-0-< +B' >=D(3=@

S&&S%'9 . ' &' ' &)' ' ';=' B@' + A.'E', E,@'+-'
E@' >,+G2' -C' ' EE@D

;$ = ('*-01'7?'D7 *-1L*F > DE0)+' 1-('D7 [

*-1L*34-'

;PQ<' -$ "0$--9 [C 8)M=E2' B ' EE@D' AD' >C> @'
-?J AG' - '/ >A @C ' ;P<Q ' ' 3 ' - - ' D% $ '
7 U '8 C- C+(' 'OP' B->' ? G@ +' @,,' JC G@' -C'+B@'D> ,'
A>?E@C2'+B->' EE@D2' ,D@2' , ?@2'B ,+ A.' D @ + >@');QKM'
$C ' '@SSS'5-C'->C ? " +)'-B2' B '>?D'E D@']'
5-C' EE +' >.B+J@A @2' -@'E@+ D@' B + @' B->,D')B@ C'

- D-' ?' 7(2'33-D +' " '3(=-4+' 1-(4+' ,W*6

(44E= 7 ' '*7 *6-' =D(3' ' =6--L/

$'A/& ' ' . ' &' (' '0' !!!'8OPPN(';KQ E2' B@' .C@ +'
@+B@C'8) ' 7 -+ @Ga' B B' ' - ' , +@' @,,@A'PN' C @@ G2' -'
E@D,G2'G@' \' -'>A+C>,G'*>..@,@D' +B' +B@'UGA.

' D(2'33-< -==' 7 !' 6-' -7 '

<*7 ' 7?3- K'=D(33-<.'70'=E??-0 K'?07 1' >=D(3'>

;=KL' $ (' E'LON 0 ' EEGDA@ 2 ,$1 & ' ,$ 3'
) &0 ;PQM' (8 ' - ' >' &- *! 5(' ' ' S M' +'
> @+B' A-' .C@ +' G+ B' A-C' E@ +2' '+B@' U EE@DA@' B B'
-??@+B' - ' ,+@'5B,@.? @ 'D-+B' ;MQP' '<&! 0' V "'
OL;' B->.B'+B@'C & $'-C' EE@DA@' '? G'E@' >C@D2G@+'+B +'
B B' ' ,,@D' I C $'&BG A' UA- ,@D.' A >C E,@

D(33-0<' -0*8'73=' ??' &@

D(33 -==' 0?' 'Q' !' 6-'D7 [

<*7 ' 70'TE(4*+' 7?3- K'=D(33+' ' (<+@

;PK=' %- ' $ '' $! '6S2'5>? +-C @ 'B@,J@+B' + B A.'
AD' EE A@ @' 4MP4' 7 7 ' *0'C'QQ' 3 - +' - '+B@?'
B @' AA@S@D' +B@ C' - A' C>@,+ @ 2 A ?G2' ? ? >C+@ 2
EE A@ @2 C-++@AA@ @' ;QQ;' ' !' ' ? $'>' 1 0
) 0'8@D' =(/ @+ 2 C & $ (' ! >C G' ! EE A@ !' A' +B@'
O-DG' ;K;M' ' C$' & $ '$' , (' ' 0'9;7' +' '
-E @C @D2'+B +' B@A@ @C' ,+')' > @D2'+B 'C--+' ' C@@'
C-?'+B@' EE A@ ' +B' B B'U' ' - ? ? -A,G' A @ +@D'
! EE > '8 U @ E C((2+) ' ^ ' UI'a') - , a

: ' 6-'L07D-==' 7??701 K('=D(3

K>&>' 9 . ' A'C !0' $' 0 4+ 'P<L2' 'A- ' > > ,,G'
-A+ A>@' + + ,,2' +B@' ! EE A.'E@ A.' J@C @ +@D2' '
?@'+-' ,@ A @'+B@' C +'& .@ ' ;KNP' 0'6 - !0'4 , '
PNQ' B@'>> ', A , ?? + -A2' @ + -A2' AD' EE A.'- '+B@'
J>A +>C@D' J C+' ;KQM $' 0 ! ' ,$!' &,T' 4 ' ;M;' B@'
->AD'B@ ,@D'EG' EE A.

;$ E +) ' ' < $.

$ J ' 9 ' - 0' &)' "'C $, ('0=M! EE A.' A'
' ?' AD'DCG' AD'?->,D

7' D(.36 K, , ' 70 K'*6-'" ' E=-<

D6(0(D*-0 I-<'3+'*6-'?7 (*77 ?7'('=D(3

;KNL' 0'6 !0'4 ' ;<N - ' B@ 2 +B@'JC-.C@ ' - '+B@' AY
- >, +@D' - J)U2' +BC->.B' + ' + .@' - ' .C- A.' A+-' '
@ ,@2' -A + +>+ -A ,'D -CD@C2' EE A.JC- @' '^@+ a' ;KO<'
<&& >') "' 0'8@D' L(' ;S=' B@' JC-.C@ ' - '+B@'
D @ @'B ' - +@A' E@@A'D D@D' -+-' ->C' + .@ 2 A' A AC ,' @2
A'@C>J+ @2' '? +>C A.2' AD' 'D@ ,A A.'-C' EE A.
C ' ' C $, ( ) 0' =KL' - +@D' +B' ' ->AD2'
J>A +>C@D'-C'-J@A2' B@, A.2'-C' EE A.

D(334-') ! ./ 0' ' ' - ! R/ _&'

! $' $KO '3 ' $.

.:' 7'07 K6 <0-=', *7 -/'

XM -' '+C' $ *C' &)',0' ' / 0'OLK' '+B@')),'
' + >@2' A-+' -A@,G' A' E, A.'+B@' +-A@2' E>+' A' .,> A.'
-C?@' +-' +B@' ! + +>@' OMO=' ! & *' 0' A'!?JUA -A'
$ ' &''8 KD-(JJ'J' 2 -'0, @'-A@'D @' EBA.'
+-A@' -C'+B@'U + B@A'C A.@' ++' +B@' +-A@J ++ ' ;KLL'0 I B1 '
' ,",!0' , !0' e' <L<' !+-A@' 'C@' D'+-') JJ3'
EE,@D' B@A' +B@G' C@'DC@ @D' +B' +B@' J U' @AD' -'+B@'
B ??@C' SK)' ,,(A)$ ' &'') ,'Q' B@' @S+@CA'
,, ' C'E>,+' +B'C AD-? *- A+@D' I> C@D' B, C2' EE,@D

;KP ' 2' 9 7 ' ! ' &-$'" = ' $5&'' 'OP=' B@' A.'
-'+B@' +-A@'A' ' DC A' '7 ,,' C@' -?@+ ?@'C->.B,G'+--,@D2
-C2 ' +' '+@ BA ,,G'+@C?@D2 EE,@D' +B'+B@' J U
; ' E + '@'K ('
;K=<2';KQP'^ @@' < ' R

- D-' D(.334-0'(' W70J1('W67=-' 7DDEL(*7 '

= =D(334 K' (' 6(11-0'E=-< ' 07EK6 <0-== K'

=*7 -0' 7(2'334 K' " ' 07EK6 <0-== K' % %'

YY ' D6 L=' 7? =*7 -0' ' % 8 '

9 ' (

4Q<N < ' C & ('<!& (8@D'O(2 ,$1!' "' B JJ A. ' -'
+-A@' -C+B)'OKOP';'% 0&5 $) * $ 0 , $', B@'
-A,G'JC@J C + -A'+B@' +-A@'>AD@C.-2 '+B +' 'UA- U A.'-'
+B@' B CJ' A.,@ ' +B'+B@'+B U'@AD'- ' '+--,' ,,@D' ' E, A.'
B ??@C' ;K=L' . U 166 . ') ' @+' : ;Q;' B@' E'
E @C ' > @'B@ G'J- A+@D' J U ' SKK'!) 0' ') ' ! . '
FLKKP(KM'! EE @C' SKKS ,0< &' D " ,$11!' " & B J'
-C'C@ > @'- ' +-A@'? D@' A' EE, A.' +' 1 0"' ,$&1! "'+-'C->.B'
DC@ ' +-A@' +B' A' S@' -C'+B@'J>CJ- @2 ,,@D' ' !) EE, A.'
S@' ;K<L =' &) '1! 0'<!& 0' 'P<Q' B@'+--,'@ >@D' -C'
+B@' J>CJ- @'^ EE, A.a' ' C -> ,G'@S ,@D' ' J, +'*-C'
EE @C'

!- ,VE-8 (CD2'73=' ?701=' 7? '0M ' '

D(33+',=J(-3/' ' 0?' ' Q' !

:' f!% 00 / '

;POK' < ' 1$!!' B S, '8OPO<('M E'*E2' +' > @+B'
, -'+B@' UGAA@'+B + ' EEG'+-'E@' GC@' AD' ,@A@' ;MMP'
' , & (;OO'& C+ 'N;'+B@',@ @'.C- ' EEG' OKQ=
: ' ! ")$' ($'*!$' ' ;P' B@G' C@' A +G' AD'
EEG2' AD'>@'A-+'+-' -?E'+B@ C'B@ D ' OQ=0'+C' C '
) 0'8;QMK('OKK' B@C@' ' +,' ' -C @'U AD'- ' $"'-C'
)G' "@ D2 - @C A.'+B@' B-,@'B CG' ! ,J' +B' A' B'
-,->C@D' +B U' %C> +' 4QP<' 8 ' & -'+!0' $ - ' KM
& .@-A ' C@' -?@+ ?@' J+'+-'E@' EEG'-A'+B@'E U@' AD'
EC@ + ' SK-S 9 . '8&' & AD C($ '=' - ! '7U '
;K;O' 2'PP' ;6!' EEG'B@ D 2'+B@' JC- @CE' G 2'5-C'@ @C'
B +@' ' ? E' 4KL< <&& ' ' 0'8@D2'L('MLQ'
JG@ J# A)-' ! EEG'@ ,`' OKKL' ! ' ,(
&'0'KO BG+ A.',@JC->'-C' EEG'-C',@ A'E' -CE DD@A
& -1($'OK<Q' B ' A' ! C' $1! 3 0 8 CE ('=' !@,D@A'
' EA.' /EG J-,'D'E-G' OK<P &' 0'< $ (- 'LN=; ='
'? DD,@' X@D'? A' ! EG' ,@D)' +B'E,-+ B@

E ' %07)-03 (44+' (< (44E=)-4+'8 ' ' '</'

4=7 % ,F ('D700EL*L-0=7 '(' 170(44-L-0

' -$ ' ^ @@') ' L Da' A>A' ' ' . B ' (
8;K<N(OQM +'D @' > ,DB ,,2'+B- @' -C+BG' ,D@C?@A'@S ,>D@D'
@C@' ,--U@D' -A' EEG' B@@J' OKMO = 3 ' 8' &' 0
$1&) '! 0'<< ;2 ' '+B@' EEG' B@@J' - '+B@' ? ,G2' AD'
' @'E@@A'J>A B@D' -C +' A 0&' ' $'5-$'';;;'

S 2'#A@' EEG' B@@J' A @ +'+B@'B- U

D' & , --'TE7*= /

SKKK $+ 7 ' &$!0 $ ' - ' ' !& "(B@A'
+B@'C- - 'E ' '>A@ @A'-C' EEG' OK<L =' &) '1! 0'<!& 0
' 2 ' EEG C- - 'E' B@A'+B@' D-@' 'A-+')+C+' C@@,G'
C-?'D @' + ,)@' +'+B@'+-J

D'E + T' [FD) ' '@

)OKKL' / ' 7 ! #)A' &)' "'C $, 0'0=K'! EEG' +Y
A. ' A'.C@)A' AD' AD'?->,D

-' 5 47*D6+' *607EK6'E -)-' J K

OKKO : ' B 8)'C $, ('C ' 'S '=M;'/ > +2' J- ,
+B@'AU2 >CC->AD '+B@'C-,,@C ' AD'? U@ '+B@'@?' -CU' EEG'

'> ! D1*-1L*347 1-(') 4-0' =* K+ >=6(33+'>'

7W 7 4+' "+

OQOO ' & $, ' +' ;O ;' B ' EEG'+>@%+ -A'B '
J @D' >CC@A+' A' ,,'+B@' D + -A ' OKKO =) ' $''
$ ' &' ' 2 2'<0' EEG' SJ@A @

D(3- 9',=J@?>3"W/' ' '=7(30-' 7W '

0(' % '70 % ' D(307E=

LKWQ -? - ' '&)>' % *0'=PN B@' B@,E' B@C@ +B'
+B@G' C@'+@ +@D2 ' C@'->+ CD,G' EC@' AD' ?J-"+@' SKKK
A' $ (& (

! E @ C D2' @C.@2'-*D '73=' 2' ' 1(

D(3-@47 ' ,=J(3->08*947=/' ' 0?'17< '

%% ++ ' <1'7? % 71-W6(*'=D(307E='

A >+' ') (!& $'OQ='!+@?)' E@C>,-> '

D(3 4*',=JY?>3 (/ < (4'D700EL*7 '7?@ 7E= 0

SKKS ?!$. ($ 0 JC' =KM 0'&>CJ,@' E !' AD' J +@'
)A @ ' OKKK \' ' . , $1 &) 0((
%-CC>J+@D'+-' ,$1 $' A' ! 8)?E' O<NL' - (< $ 0' OM
!@J+'O L'!+ ,' ,- @C '+B@' E 2 + "'+B@' > B 'C@ C' B@ C'
J>CJ,@'E@,,' E- @'+B@'+ A.,@D'.C

D(3 <') ! ./ ' ' K $ ' % '

+ ' $ % ') ' ($L' ' ! $

SK)' <&& ') " ' 0 8 D'L(' MLQ' ! E D2' B@CJ@+ 2
AD'-+B@C' +>+ A@->@C>J+-A '> OKL=' ' "-> "+# ' A' " ,!0
C $, (0' : : : 'MLK B@' @ A' B B'?> B' A, ?? + -A'
B ' ++@AD@D'+B@' E D'@C>+ -A

A' D(3 -= 8 U) E, (5 ' ^ ' % '

% ' C + B2' C J@2'JC-E 'C@, +@D' >,+ ? +@,G'
+-' # 2' % 8 @@' 3 'b (a'
' : ' ' .@A@C ,'+@C?' -C' U A D @ @!' B C +@CY
X@D' 3+' ! EEG' 70 ,G'@C>J+ -A '
' ;=NN $' 8 $'' ,>' ') (0=K ! E@C ' E AA@' E@')@'
"DD ' E@A'C@@D' \' +- ' ,@b' \' >,' - 'C@@D'J,AJ,E' $ >A'
' ('S, ' ;= J-2 ! E@2 ! ,@ -C'
>? ->C 'C A.' C-?' -CC>J+@D'E,--D' OK<L' '51'?!$' ,$ '
C. " 0 (8@D'O(2 ,$1 '+B@' + B' ' - ' + -' -C+ 2
? - +' AD'DCG' OQ=0'+C') 0 8;QMK('OKK' A'+B@'
&-S'G->' ' AD'E-+B' "@ D' AD'5 @' JC@ D' + V DCG'! E 2'
AD' EEG'6, @C 2 B B' ' ,,@D' @A@C@ ,' ! E @

; ' D7 *(K 7E=' =J @0< =-(=-' <E-' *7 ('L(0(= *-'

% , ' % $

;KS=' ' " '&* ' 8)L(';<0' B@' ! E @ 2 -C' + B2'
' A'@C>J+ -A' -' J> +>,@ 2 +' ' - ? J A @D'EG' + - A +'
+ B A.')' OKL=' ",!0'C $, (('MLM' A' B + -@ @C'
-C?' E @' ? A @ +' + @, 2 +' '+-'E@'C@. CD@D'@A+ C@,G'
' , ' ' @ + -A' OKQP' ' =) 8 ' ' ! ' (1 0'OL'
3 C' ' C?@C2 - '. -3 ' -A + +>+ -A' AD' I> @+'B E + 2
' >JJ- @D'+-'B @ 'E D'! E @' E ->' C@'@ ? -A+B ' . - '

* 7 3 4 .44 (' ' ?>$ '3 $ =L' ' I

$

A +< ' ' ' .'A) $ &'' $ 0 $ 0 ! 0'S 'KM / D'
A-+ ,,'+B@ @'A@ B -A@D' ++GC@ 2 -?@' A' +B'G->C'A@ '
C@, . -A G->C' ,,@. -A@ 2 G->C' ! E ,-A A AD' '
+B-> AD' >B'A@ 'D@> @D' > @C A'+C A U@+

7' :&7(3 47> 47E=' ,=7(3E47 / $(

> !!' ' 0' ' (A' : '$ A@' - ' (@+ '8;KMM(';P C@ +'
E>?E +@D' EC@ B@ 2 U ,A.@ 2 -C' E>,-A ->' D-U@ ' -C'
.- A@' +@C'+B@' @' B -A

* Y=(3 - ' 1 0 4=7 ' 0(< 1-< @7 0CC F

=--') ' ?'L ' ,$1 '' 0 (' <K-'2 , 7*K0 /

(< D % G ^')

2;POK ,0 , '"$ ('8;K;=('LNP ;' J@'E>CC- ' ? +@C 2
EGA ' AD' -A ,@' -'+B@'+->A'- '?GD @E>C.B' A'[@, AD'
;MSQ' = (' " 'OKO !> B' C@'+B@' ! E A@ ' AD'+B@'
O , @ ' ! E A@ ' C@' -' ,,@D' - ' ' @C? A' -CD' , $%% '
8+B +' ' +-' D@ J + B(' ;KQL' ' "&) 0' & 2' 0'=0' B@'
-@CA?@A+' EG' ! -+' -C' &C @+-C2' ->C' O>C.-?' +@C 2
A A@' ! E A 2 AD'LM%->A @,,-C '-C' !@A +-C ' OMQK . . 1 '
8@D' =(2 ,$1) 0(_(:>D.@2'!@A +-C2 -C' ,D@C? A

! 9 5 $ $ 0 K$ ' , 1' * :

D(3 7E=' D7 < * 7

OMNK =)). ' ' . ' &' $, ' ! ' ' ') ') ' E' G->'

E E, ? AG 'G->' >,, 'A @'- ' E - +G' ,

D(3 7E=,=J@'3 <=/ 701 =F =D(3+7E=-'

g&' 47=-' ' ' +7E=' 47E=-'=J(3 7E=' 8&'=D(3 E=

=D(3 7E=' ' <' 1-< ' ,$1 $' ,=D' 1$+(

?-1'= K'7? ,$) ,=--' -R*/' ?' ' ,$1) 0H

: ' +7?'*6-'6-03(D-7E='L4(*='7?'*6-'K- E=' ,$ '

1&$' , * $, $ +(?701-04+' 3-4-)-N4'*7 3-

-?? D(D'7E='?70'*6-'DE0-'7? D-0*('=J -=-(=-=

0,>@' ! E -> 2' 0'),, $0 5 @,D'-C' 3 @ D- ! Y
E -> 2' 0' $ ' (&>CJ,@'-C'! @@+'! E -> 2' 0
$ &*) *) $0 ! ? ,,' ! E -> 2'! ' / @ ,'
E +' ! E -> ' @@' 3 .2 ' 3 > U' ! E -> ' @@'
= B L0 =
,'0=NN $'% $' ') 0 O;L' J-A'B@'@AJ- +G? ' ',@ D@'
E+- @') ->AD@A' aV .C@ @' ,'4=MN :' B . ' ?.0') T'
) '<<L'OC-U@',@?JU'! E - @'0 ,.C@' ,D ,)' ' .--D' -C'
B@' OPOK ' 1$!!' "'8;PO<(1' *E2' !@+B@'+B@'
> @'- ' EG-> ' A'-G,@' OPQK &' & ' ' SS6 ';N<'
B@' .C@ +' ! E -> @' AD'!&, $'' $(D-'.C- ' A'?@D- @'
AD' J +>C@ ' B@' ? ,,@C' ! E ->' .C- @+E'A' ?@D- @'
AD' +@CG' .C->AD@ '+B +' + AD@ ,- @' !B@@J ' ! E -> @'
.C- @+B' A'+B@' ,@,D@ ' ,,'+B@' ! E -> @' C@' B- +@' AD'
DCG' OPQ<' C 2' $ 0' $! '8;MLL(MNN !U ? '
E-G,@D'EG' +' @ @ D-+B' ,@ A @'+B@'EC@ +' AD' ,>A. ' ;KNP'
'A) 0 +' ;QP' %@C+ A@' DC-JJ@ -'+B ' E@ A.'
. @A . A +'+B@' +B?' ' -C + U2 +B' +B@' +@C - '
E - @' OQSL' 3 ' A'C !(' $' (4 4 ,' 'PK B@'
@ @'A@S+'+B@'$--+' C@' B+ B' AD'* ..@D',U@'+B@' ? ,'
5 @,D' ! E - @' OQKO ' 'C& 0 .0'<M B@C@' !@ '
E ->' E,>@' AD' J>CJ,@'9A J @@D'C @' OQ<)' ' "," !(? (
8@D' 4 'MKQ ;' B@' C @A 2-C'?@ D-) E ->' ;KKQ
" ')%3 ' ? 1!' $, (;NK ,,'+B@'>J, AD' J +>C@'
C@' +C@ A'+B U' +B' ?GC D'- '+B@'J>CJ,@' E ->' SK -'
<$ 'OK 5@E' ;;K 0' :) 'D C'!)E ->' 'A- '> @D' -C'
J-+' >,+>C@' A' A+@C

W"0 E 0 0' LL4 -<'*7'=71-'=L-D -='7? &'(

4KLN). ' $ 0' " 0'?&(ONN C .@C-A'JB , D@,JB '
>?' AD'B@+@C-JEG,,>?' C@' -??-A,G' -C'D'>AD@C'+B@'A ?@'
-' ! E ->

$ % "' % '1 ' ,$1 &) ' ' $

;>' , --'TE7*/

SK 0': ' ' &' 0'?) B(e' & 'M' B@'! E ->'
= ! $$' - "' @ B(JJ@ C' ?'+B@'? DD,@' -'3 G'
% +@CJ ,, C @@D'-A'+B@'D@ ,'E+' E ->

?*3 7E=' ,=J@ .33=/'$0 7W $ 0 0(<' '

,$1)5' ' O$,$1 &) ((' ,$1 ' =--'

' ' ' ' ' ' !

D' ' 2 , 55 $' !

A +J - .)' &' $ '* 0'SS 'MO "@@ D>C +'A-+'D C@'
+-'+@,'?@'+B +B 'J- + A-C' C@' E -> 2'@S @J+'B@'+>CA@'
- @C'B ' @S -A'+-' @@' B +'J- +@C,->C' AD' E -> ' '
L& "' ' ' ,'0 7 U '=Q0 '+B@'B>?->C 'E@'
'+B U@C2'+B@G'+>CA@'+-' E ->' ? ++@C' A'+B@' U A ' ;MPL'
< B ' $ *0 - B@ C' ,,@D' ,- U' AD' E -> '%-AY
.C@.+-A' OQK=' U ' -0;PO' B@' E ->'
D W@)2' B B'EG'+B +' +'?@'B D' JC@ D'+ @ ,' -,- @C'?G' U A
N " ,!(C $, 0' (" 'ML< ;' B@' A @+' + U@A' C-?'
+B@' E -> ' , @

-(>:/=6' E 0 0 09 700EL*7 '7? ,'4 J

G ')- K'%0 07X-' 4 & $'1 ' ' 0

OK=P PN = ' . ' 0'?&(;P<' OK=K PN ' 9)'
!$ 0& ,0'?& 0'OML,

H D(>3 -==' 1 0 LL'?' 4'1'* ' ?

,'=2N' 0' 0' 1 0 8 "@AC B(OOO A-*C@C' ? A@C'E aV
-C' EA@ @'\'C- A@! @'-'E-DG'P' - 'UGA

7 30(*-') ?6! './$0 K $' 'O$,$1 $3) (

,$1 30 * ;E %

$!+' 7' 0'

7(30-F =--'

H ! 9 2$' 1 0 K $ O ,$1 &')$

,$1 ' 'H $L' * / !! $

;M =' ' $ 0 !0, ' ' 2 3 AG' >,+' A'&BG'
-.A-C @2 AD' ,-,->C2' A@IA , + @ 2C- ,)EA@ @2 EC@'
D +G2' J ,@A@ @2'G@,,- A@

7(30 <') ? ! ./$0 K $ 'O' ,$1 3) (

$,$1 ' *R ^ 1 ' $

S& ' $ 0'?&0';NOQ L' ,$1 ' ,$))!&) 0 , .B+,G'
C->)B'+-'+B@'+->B' ;KQN ') 0'C & $'J'S ' 0-C'
C) >@ @2 '" J D'-C' EC D'B@CE

7(30 <K-'73='?701'7? ' * ?

D(30 < *+',=J@0 .<4* / ' 0?' ' M'

4K6*07EK6 -==

:KQN 0 V ( ) 0' !& $'=Q=' IA @+>?'BG@? ,@ D '
+) B@D'EG' + ' S@2 ., > -> ' -,->C2 EC D +G2 AD' +@? '

$D(30 E> E4 /4 ('?&('0'?17< 0D(C '

,)!) 0 00-K' $ $,$1 ' %'

KM+'^ @@'! AA/a

?*30 ,=J@ .307/ E=-< (= D713 K ?701 7?
% 8 *6- =- =- 7? S07EK64+>M
S07EK6 (< I (= % %!
$ & N&&* (=QM B@ , +@C , 8 , ,@ a @CG A@,G
EC- +C +@
D(307=-4+ ,=J@S30 E>=4 / " 0? ! %
(4(*- % ? % 8 ! (
=D(307E= 1(-0
$ & N&&* 0 OQP ?@,, @2 EC- @,G @CC>, +@
D(307. *+ 0(< 4(*- %
? % + ,=-- L0-D / G 7EK6 -==
;MPQ) & ' > *(C " ,$! 0
D(307E= ,=J@ .30(=/ 0? % %
,0-4(*-< *7 % N *7 =D0(L- =D0(*D6/ Q 7E= ?
(4=7 4(*- % + % +8
%$ 7EK6 W *6 1 E*- L7 *= 70 J 73= (= < =[
* KE =6-< ?071 E -)- -== 7? =E0?(D- F -=L Y
3 5
;MPQ ! &>$%" ! C& !" ' G 0 ; Q ,, B@C @@+ C@
EC-> 2 AD C->.B2 +- + U@ E-,D + +B@ C + +-> B ;Q=;
= 8@D L(;NL EC-> E-AG $ D.@
;QMN : ' & 0 ?& 0 A 8;QMP(;KL ! EC-> 2 C>..@D
B@A +B@ / U - @C@D +B >E@C >,@ 2 , ++,@ UA-E
;Q<N 8 0 A)$)*0 ;=P B@ >C @ - +B@ U A
EC-> AD UA-++G2 - ,- @ +@S+>C@2 AD B@A DCG
@S+C@ ? @,G E CD ;KNL ' . 5 ' C !0 $ ' 0 4 %
O;P ,@A +B + B D @CG EC-> J-, B -A -A@ D@
SK) : , 1 ' & - &!0 S, OQL ,$1 &) 000 $->.B
+- +B@ +-> B C-? .C A>,@ C @,G E,@ ;KO< <&& >
) " 0 8@D L(=OQ B@ , @ - +B@ A- @ E@ -?@
@,,@D AD EC-> ;K<= $ 0 1 ? < 0 ? 0
7 ^ B@ $--U B a +B@ -C@B@ D AD D@ - @ E C@2
AD - @C@D +B B +@ EC-> U A
3 ? K L60 W *6 0-?-0- D- *7 D(=* D W0 * K
;KMO 3 ' 1 2 OQP " @ C-+@ +B J- A+ AD
) D +G2 AD B J@A B D EC-> @D.@
B ? ((E*370 6 = D71L7= * 7 70 =*+4-F (0=6
E 1E= D(4 E L74 =6-<
% , +@) ,$1 83 -E > (
OSPKW &- 7 $!" ') 0 &' & - >" BG C ..@D
C->AD@, 2 -?@ ->+ - ,GA@2 7 +B EC-> -,->C 2 $ 5 "B
0 :- !# ,& 0 7 U ;;< C. ,, ? - + ,- A. -
A+ I> +G G@+ B- C C@,G D-+B B@@ A @C+ $D)$ AD * , $
> C@+ > EC-> AD C->.B A +B@ @ ;MLM . B
< & & (2 ! EC-> +G,@2 -C A >AJ,@ A+ U AD@ -
C + A. $%0J) ,0 $ 8@D 9@C(:: QN
" ^&@C > 'a @C @ EC-> 2 AD B-EE, A.
E44 7? 73=*(D4-= < ?? DE4* S *670 +
4M=M $ .. 0 ' ! 0 8;K=;(L=< 7 @ + U
,-A. -?@+G ?@ >J-A EC-> I>@ + -A ;KSN
C$,. ' =5 5+ QO 7 B- -@ @C ->,D E@ @D C-? ,, A.
A+- @CC-C AD B@+@C-D-SG -A +B EC-> .C->AD ;KLO
B 6) * 0 2 =M 7 @ ?> + J U ->C EC-> G
+B +B@ B@,J - ., ??@C A. , .B+) ;<N= - ;P :>A@
Q O 7 B@A +B EC-> ?-?@A+ CC @ +B@ $> A D@
@AD@C ? G C@?@?E@C /C .-? C- AD E D @
# =J+ 370<-0 K EL7 *6- <-4 D(*-
SKKS =) $, & - 0 MM !@A+ ?@A+2 GA ?2
AD + A ?JC-JC @+G AD EC->) C@ ?-A. +B- @ @C @
B@C@ J>C@ J-@+CG B C@ -.A X@D - @2 ;KKO & !
- P " EC-> A- @, & 8# ') - L 3 C
OQP 3C 3 >D@ B B- @A +- C +@ E->+ D -C @ AD
D>,+@CG2 AD ? AG -+B@C J-+@A+ ,,G EC-> +-J
- D- D(.307 =4+ " (=D(307E= 1(-0
* 6(0=64+U D(>4807(= &= 0EKK-< -== 6(0< -==
4PQL : L 0 %0 7U ;K=M ;N ,E@ + +B + -?@
+B A. E@ -E >C,G2 AD -?@ +B A., EC> , @ J-U,A
4QOQ . -, 2 ,$1 &) ' ($>..@DA@ 2 $->.BA@
;K=Q $ C $ 0 444 P;< 7 B + -A+@ ? J-C CG -
!B U J@ C@ ,,@D +B@ EC-> A@ - ->C @,D@C, +@C +>C@
* -(>3 =6 0? Q
7 *-1L*E7E= -L *6-* (LL4 -< *7 ?0 (0=
SM) ' * $ 2 B->+ >.B' + E B A C @C +B@ B@,V
, B A>@A+ -A- J->D@C AD.>AA@ &!& 0
P< B@ @ E B A 5CG@C
* D(>3=6 L 7Y : ! =-< W *6 L7==-=[
=)- (= (17DJ * *4- ?70 (D7 *-1L* 34- L-0=7
;P) 8 . V C$** $, % *2 +B + 3 C+ A
->,D +B + B J B %B>C B2 +B ? A E E J B->,D E@@
A ,D@C
D(3E47 7 F =-- (8
* 7(.3W70* 0? Q 5
74< (1- 7? *6 = L4(* W(= % . 6-
L4(* 4-D(1L(- E + 3 +
)==PN !* $ 8 A@ D #S-A (KL !$, $ $!1$(,$1 & $ D
.Z ,$1 & (E -C+ ;LOM 1$!! , 8;PO<(
: E2 / @ A>, ?J A , @ D- U@2 ! E --C+2 -C B-C
B@,@ $%/> . $ - ' ' SS S ;=K 7 @ A
A., B ,, + ,@ ?J A@ .@A@C ,,G2 G@+ A -?@ %->A+C @
- +B AD2 + ,,@D !) -C+ A- " -C @ B@ ,
D(D- 73= ?701 7?
D(D6 D(D *-F =--
* D(< =D(<<- D70L=-
%4==N C & - * 0 C$ 0 ==O S ! DD@ HH ' , 0 0 DD-_2
,$ $) 0
D(< @ ,=J(-</ 7W* . Y , ' - * E==-R -= F
=-- / 4=7 =J(< 0 ? 0 C ! W 4<
34(DJ L4E 1U , *6- 3E (D- 5 + +
> !! O < 7 1$, >) 10 ;; -#U@ 2 3 +B-,?@ 2
!U DD@ 8-C . * " '& "! H" & A@ +C@@ 2 AD 5GCC@

D(< @ ,=J(-</ 4=7 =J(N 0 7E0D- E J 7W U
(LL 70 K (44+ E=-< 70 W(44
% 7 @, B " $ $ ' B@CC A. 2 -C D ,2 .$. GA D2
! .$,->AD@C a
%$ 6-?=6 & 8 %+ + + - % + + + +
D6(0(D*-0 I-< 3+ 6() K *= 4(*-0(4 4 - (01-< W *6

37 +L4(*-= ?7E <(3E <(*4+ 7 *6- 0 * =6 D7(=*=
(< E=-< ?70 3(* M (4=7 (LL4 -< *7 7*6-0 ?=6-= 7?
6- K- E= & 8(<0-4(-< K- -0(,D? %;
% U *6- 670=- 1(DJ-0-4
L% A 8 & ' 2 $!! LN # C->AD B ^+B@C@ C@a OC +2
!JC +2 O CA@2 ! D ^@+ a 1 0 LP !-?@ .>++@D AD U@J+
A J U,@2 +B@ ,@ @C 7 B + A. 2 &-,,- U2 @,@ 2 AD !I> C @
! D OSMQO 7 6 "01 1 0 C (S & ')3
' 1) ! D $>%O ? 0 N&&!0 OOP ;K=L
) $ 0 ,,0 ,& 0 4 = & + ;<N B@ -??-A
? U@C@, A>?@C-> , - +B@ D -C B-C @ ? U@C@,
SKMK <) # ; B@ ! D 2 UA- A A A., AD
+B@ T " -C @ 3 U@C@, 2 JJ@ C +- - >C A ,, +@?J@C +@
AD +C-J , +@C
3 $ 10((= ,$ -$,. !(3' 0
$ +J 8 < ' 0 N&&!0 P) B@ ! D 3 UC@,) ;KLM
C0 ;MQ B@ !U D A@+ @CG ? , C
8N +B@ 3 , U@C@, A@+
; , -- T 7* /
SKK #) \ < . " ' & * (- 0 =LO
,$ * ' *) ' , $) 0 ! D $->AD $-E A
D(< @ ,=J=-</ % 0 ? 73=DE0- 70 K G
?(* (LL-(0(D- 7? D747E0 70 4 K6*U (0-?4-R 7 U
(?(* K4-(1
O%&+ B 6) 0 8;MM=(=<N 1@ + C@ ,@ + D
, U@ +B@ C- - %BC + O>9 C& - PL B@ .B+ 2
D J- 'D -C@'@A A. >A2 5,@@ C @+B@ D -"D G, .B+2 $;KNN
& &) !$ S> A %B ,D ?$!!$;NO O + E>+ +B@
D - ?G C,@+ ,- U $>A D- A +B@ +@C A $ A&
= 77 <$! & 0 ' , " ,!0(,$ &T (, C@ 2 -C
, B@ - , .B+ O O+ 3 6 & $ ' ' - ;<2 +--U
@@XG +BC->.B +B@ E-- @ EG +B@ DD -T +B@ ,- @
D(<@ ,=J(-</ % Z& 6)D 1 6-
?0+ 7? *6- =(417
SKM , #7 #R ,0 ;N< e = ,, ? .C +-CG B - +B@
.@A> ,?-A2 B@+B@C UA- A EG +B@ A ?@ B@D2 D2
E,>@ A2 E, U + J2 A.@C, A. 2 -C EG AG -+B@C ,- , A ?@
D(<@ ,=J(@/ 0 ? E ; K0(==
*E0? G =4(3 7? L-(*U (*E?* 7? K0(==
SKK- 5 3 & &!!" " 2 U@J >A +B@@C2 AD
+B@C2 B@ +>CA@D >J +B@ D 2 S) ..1 C&
B0 - AD + - +B@ D +--D JC-JJ@D A J C +- DCG
D(< 73= 70 D ?701 7? ('
D(<<4- ,=J(-><.4/ 7W 4=7
=J(<+44- ! =J(<,</4- 0 (*-0)(0 7? (!
:$ H 4<U * 1 <U =6+
;=KL $ 0 ' !0 L=; O !U DG,,@ 1! G,D@2 ;MLP
- L & 3 &5 ONL B@C@ - ,@2 E>+ - U D,@2
+B@G ->,D A-+ E D@ +B@? +- -?@ A@@C@ +B@? ;M<;
0 0 & MN ,$! (+B + ,, A-+ E D@ +-> B A.
J-U@A - G->A. " -C @ +B + ,G ->+2 ;KMO ^% % R
V $!0 L<K " @ DD,@ B-C @ +- C D@ ;KQM
3". 0<!& 0(,$! (5H - 0 (> > ,,G JJ, @D +- B-C @
;$ =D6 -)7E= *07E34-=71-U *6 -) =6U *0 7?
(1(4=
;PK< ^ 3. V C$** 2 0 $, L " @ B ,, UA- @ B + +
-C DD,@ J A@2 +- C- @ O B-J A B - A@ ,U@
;MQ= 2 I 0 0 & QQ .$! ,B @2 $ @A-> 2
? B @ -> !> ;QLM 8 0 ' 8@D O() K !U DD,@
% +2 O-G2 \ ;K=Q ' &!0 0 !@A 6 " 6$ >
(E2 +B@ B-A@ +@ +2 +B@ ,@ +) DD,@ - +B@ @, A@
C @ ;KKQ V ' <!& 0(,$! (,D ? B @ ->
J-U@A - D-. +B + -CC @ B@@J - ++B +J- B@ 8@+ a
D(<- 73= ? Z 73= L(* '
D(<-W - 73= ? ' 6 -(<4 K)(0 (*
7? (' C D(<4 L=U =--- (' <
D=(4-=* 7E=F =--- (8 DZ ,- D(4
73= ?? (
* D&&) *+ =7->) *+ 0 0(< 4(*-
, (? ,) 4-?* = <-< (WJW(0< L-0)-0=-
E 4EDJ+G
$%/% . B < & & 0(, " (>A,> U A@ 2 ,@ +B AD@D
A@ ;MPK .. 1 ! ,$ "0
Q D(? 1 0 4=7 # =J(?,?- =D(?? =7(L6-
=76(??- ! & ' 0 =7(0?- 0(,$* (,$) * (
,$B %+ ((< ,$* $ 4 K6* 37(* =J ?? (V0
V,) * B *07EK6 *E3 =J ?? -*D G
: 4 K6* 37(* =J ?? 6 -?4+ F
%4LQP ,0 0 $ ' SS + 4 ", &!$ + OQ=2 \ A U
J-A@ aV@ @ G, AD S=LO PD +C ' 8$-,, (,, =ML
7 ,, ? + U@A A+- A -)@C JE@ ;=KL $!0 ' ,0
,( ) 1! ' 8;KK<(LM= ,, ? AA@C - ?@A +B + - >J @+B
B JJ@ 2 J CD@ 2 @ 2 AD , .E+@C@ ;PSO ,,0 0
$ 0 ,& 0 LQL - : -BAA@ - @ +- ? AD +BC@
? C A C +B B ? A +B@ A., U $JJ/ 8 & ' 0
,& 0 8$-,, (* 4 OKQ B +>U@ +B@ @ +B C A A@ "+,,
) @ ;PQM - L 0 0 ;KL O A+C A. J-A + ?@ +B
E " >U@ A+- @C+ A@ B @ -C - UE-+@ ,-A@ SM--
A ,0 & ' ' 0 & " 0 ?) 8;KQN(K; B@ EC>.B -
9 A B-CA@ B@ @,@+C>E, +E@ +A@ U , 2 U@,DCGU+ AD
X- - A C@ +->A - @ +B ^@+@D 5 #5 , ' 3 2 0 (
M A 0-,+-A $ 0 !0 LK ,, -+B@C ? ,, @ @,, 2
! C @ -C 0- + 2 A-+ B > A. / C->@C A-C .B+@C
;$ K $ 6 , !!$0H ' ! $
$J > 3 ' 8$-,, (2 L;< 3 -G @ D--
A - C B@ B J@ 6+@,
7(?<)(0 (* 7? 3
,=J(-?/ ,0 4=7=D(E?? 0? : I G
:$ 77< L07) = 7 = , ? / K $.
;QMK $ - ! '& MK 7 @',, C J@ +B@ J-> B2 A @
B + D +B@C@ SK-M ^ @@ 66 1 a ;KS< 7 R
C$* " & - > ? 8;KOQ(4 ;P 7 @@, G-> ? G @@
+B + @. A B- + " D U D AD U AU ,+B->+@A %- +
;$ DE1 0-?E=- ,=(< 7? L-0=7 =/ U 0 ?? 0(?? , ?
33 10 $0+ 4=7 ,&%%$ ' $%% ,$%%3 $%%0
;KSP <) " 0 SS 2 7 @ DA +>CA E +) A- -C
B , D XX@A - G-A D C D XKSM] ! & 0 2 7
+B@ D AD C D - " +B@ +@C D@ 4K<< B ' 0
*& - & ' P= O@.-A@2 G@ >? AD D:

D(?? ,=J -?/ % 0 ? 73=DE0- 70 K U D?
; W6 D6 = E=-< D W *6 (= 1 4(0 *67EK6
4-== -1L6(* D(44+ D7 *-1L*E7E= =- =-
+ B E@@A -A*@ +>C@D +B + ,$%% ? G B @ E@@A A
D-J+ -A - +B@ / > AD , $%% ' 8 B@A @ 3 ! .$%$+
+- JC- D@ -C JC- >C@ 8 --D(B@ -CD ? .B+ J- E,G B @
E@@A EC->.B+ - @C EG -,D @C B- B D @C @D A +B@ %-AY
+ A@A+ , C A ? , + CG > @ + ->,D A +>C ,,G B @
-,->C A. +B + ? .B+ ->A+ -C +B@ -A+@?J+>-> @A @ -
+B@ @CE A ! a
(7 3-K 70 (=J ?70 ,?77< -*D / (
1-(70 D7 *-1L* 34- 1(-0 4=7 470
, * 44 D7117 E=- / 3 7 =L7 K- EL7 ,(
L-0=7 / 7W 70
$/+ B !" ' ;LL " @ G 2 +B- U , AD E@..
? C E@ C AD + -C -AG @AJ , A 9 CC U , AD E- +
S) 1 0 0 83 ! (4 8: ? (2 @ EG.. A. - ? C
++ , A-C > +@A, +B ? @, 2 AD +-JJ A. - +B@ ?@A2
DGA. +B C AG B+E->C ;PKL 0 ?*0 0 ' & <N=
A@ , A. C,-+2 A+ A. B ?@ ;M ' $% %%5 3
-++,@(& ' 0 ,& 0 8;K;=(G O 8: ? (B@G D@D +BC- B@
,, ! -+, AD2 -C +B C J C+ >, C - ?? -D +@@
- D- 7(>?? K " (<,,
$;PMK & ' & % ' (1 - " $ ' !$ LN A ?$ ' 3
' $ " ' 0 8 " >A+@C %, (P< B AU +B + +B ,G @ A- B+
+B@ ,@A+ 5-C U A. E@ C- C> AD U>? SM-- . L
' B C& - 8! ! (QL) !U A. D CU +B ->@+ @
A) C@D 1 0 Q= ON< !U A. C E@
^# -E >C@ -C . A % 66 X a
-@ + -C -> ,G
$>0>)7 ?) ! D) & - : PL 0>+ B- +B@ B>A.CG
B-C@ -A D'D " - @ .@C,G +B@ E@@C +B@G I> D'D
;KKO 6$ - & ' > ,0 0(. $ B%00 O - @ + .C@@D ,G2 !B@,,
7(??(* (* K 73= ?? 33 (' (' 0C
* D(??-0 % 0? 33 " Q !
L(0(= *- =L7 K-0U (-R*70* 7 -0
)4P)ON B C& - S =P ! D C 2 AD ?,@C
A +B@ A>U@ ;PLM ..) & ' 0 ,& 0 8;KO;(<<
:>., C 2 ?@- +C , 2 E CD AD D C ^-C . - $ (
& ' (1$ & (* $ $ & H 5 % 1 0 0 8;K=K(2
;MQ ?>,+ +>D@ - U D@C - +B@ G ? E@ - +B@ J> C
* D(.??-07 #E)(0 (* 7? 330
OSL=K ' .. & ' 0(' 0 (;O #A@ E AD B D +B@
@C-A2 +B@ C A@+2 +B@ E CD - +B@ B-C @ ,, B +@ ;PKM -
? !$ 00 < ' ;; MQ B@ OC D,@2 ! DD,@2 ! D@C-A2 ^@+ a2
* D(??-R+ % 4=7 =J(?04- =J(4?,?/0+
! =D(??-0 - 0? 33 70 33 F =-- 8 !
R*70* 7 U -R*70* 7 (*- *(J K 7? L-0TE = *-=
PPP T , $ " 8;K;=(PNN ; B@ @?@A J@C+>CE
+->C -C U C @ - ? -A@G -C -+B@C G @ ,E@ ^@+ a 4PM4
1 0 0 8SD==(: LLP U DCG2 ?J ,, AD @E@ +
B U A2 +- E@ + A@ +B C- 9&9 , 4 % &) ' , ! A ,0 ,
6& 0 8;K;M(M;M O B@ +B . + AD 6E@C++@ .C A+ +
A+- !> B@) ?@ >,, D@C @ AD @S+-C+ ->A 51 (
C " &) ' , ! ,& 0 !@C 8;<N=(;KM 5-C -?J-A A.
+B A-?E@C - +B ?@ AD + U A. - -?J- + -A C-?@
+B ?@ I> ,U ->,@ -- @A A. D@C @ OSML; .) "
--/ 0 V . ,& (8 -DC- !- (MMO GU@ +B@
J--C@C -C+ A +B@ E>CC- @ ->,D A-+ B @ @ J@D +B@
)-C+ E,@ D@C @ A+@AD@D
D(?4<- 3)
* D(>??4 EK @< ^ 3 / >) 8 ())
% . $
K I) ? 1!0 , &!0 ;QON PO .C .2 - ' - $0
, A.2 - $0 SMSX 7 ! C ' * ' $)(.C .2 ,6A.2
J + E - U@2 -A @,@
" % 0(LL)(0 (* 7?
! 00 M , 6 LL K= 7? =*7 -
;Q=Q ' 0 G 2 A % >U@G#C@2 +B@ !
, A. C@ > @D +- E@ E@ +@A , ++,@ +B -?@ ? ,, --,
SKK- < !& 0 LN;
D(? 4 K 73= ?701 7?
* D(.?3 (=*-0 =J(?- 0(< E
% % ? % *7 L07) <-Q
: 4 ! =*-W(0<
S) A $.!)" > &" 0 8;PK<(O<K ,, +B@ D .@A+ 2 J ,-+ 2
? +@C 2 ?@C B A+@ ,@CU@ 2 E- + A 2 +@ CD 2 U @
? +@C) AD ,, -+B@C - @C 2 - +B JC@ @A+ -G .@
D(74(K-
D(??74< ,=J0- 4</ 701 =F (# =D(??7*
=J(??(E* # " T (* 6 # =D(??(4<- #
=J(?,?/(4< =D(??674< =J(?74< =D(??74<-
=7(?74<,- ! =J(??74< =D(?*(4< 7E4<
=J-?74< . =D6(L?74< # =D(??74< ! =D6(?
674< D6(?? =D6(??74< =6(??74<- =J(?
?-44 7 4 0(0 ?701=D700-=L7 < K *7 - *0(4
% + % + % %
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L0-? R I/C4 8 7E*/ 7 *6- 71 71 W70<
0-L0-=- *-< 3+ % = +I> ,17< % +
-(04 -0 % + % + %0 % % (* %
L % % 7W % %
% * %% % ,W6- D- % =+ # #W
=#$ I . L7LE4(0 !% %+ 7? E D-0*(
?701(* 7 U (DD70< K*7 =71- =D674(0= ? V0 L0-[
(A ,=-- E <-0 # U , Q D0 0 Q G ?
, W77<- *7W-0 70 K(44-0+
5-C -+B@C C@, +@D -C? @@ 6 .* B ! AD ?@D +
,$ $%$! 8C +B (2 ,$ $%$!) - 8;L+B (2 ,$ $!) (,$!3
$)) (@+ 8;P+B (B@ $-? A -CD B E@@A D-J+@D
EG -A+ A@A+ , @>+ , A. 83(/> , $ & 0 ,.$ &=0
/ ,$%& 0 7 +B +B@ ! -C? A A. 66 .) 7 D
44E=*0(* 7 7? 701=
> ;L=< !U -+@ ^ @@ O Xa ;LQP B ?), S L=L
! + 2 ,@DD@C 2 AD ->@CGA. O;LQL) ' 0 ,,) (
8O AA +GA@ %, (MK J->A + U +> ;KM< & ' $!
<!& 0(.$%% E(-CC - -,D

[illegible]

L 4B

```
\0 ;!L; C$ ( -(C %( ;OP% C+@ CGA.-
!) E,,GA. ->+ - ?@ 9,>.@ +-C@B-> @ );MML <
&)' !_h @ @C > @C+B@?+-E@. A+B@ C! ,A. A
+B@?-CA A. SKKM <!& (" ,$%%! ' ` M-, -C
E?,D A. )
% ( M = 7 \ ( $ ( >2 B@
.B+ - B J 2C U@ 2. EE@+ 2 S@ 2 C@ C@ -,D A. 2
EG B B?G ->,@ 6?E@ J - A +@CA ,B E + +-A S )
% . '$. '< $ 8@D O(O=; B + E>+ -,D A.
+- J>,, D- A ->C %B>C B2 AD +- E> ,D +B@ C - A ;Q;
1 0 8;QLP( ;KO ! UA@ 2 -A+C E>+ A. +- +B@
B U A. D- A +B ! -,D -. - +B@ O-DG ;QSK
V'& ' =QK @ B )@ - +@C? 2 AD -,D A. -
-CD ;Q=L B 7 ( .( S P<N @ B ?@2 EG +B +>Y
J@AD-> -,D A.2 %C@ + -A .-,D@A +@J 2 +- , ?E +-
B@@ SKM- 3 '(C &* ( A+C-D J 2 3G B
B E@@A+-. @+B@C@ >,+ C +B@C +B A+B@JC- @ EG B B
+B@G @C@ CC @D + +-@SB E+ +B@ E> ,D A.2 A-+ +B@ Y
-,D A. S ) . . .0 < 0 S ? S 8;KQO(
K B + ,, E@ A @S @,,@A+ -,D A. -C C@ J+>C@ -
,@ , A@S+G@ C K = & - *$ (C !&!( < -
JB-A-,-.G2 -C? A.+B@ -,D A. - +B@ B .B@C AD ?-C@
-?JC@B@A @.@A@C , + -A - +B@ ? +@C @A @ + @,2
*3 W77<- L4(*?701 70?0(1-W70JU @ :
1( </ ]/ _/ 1 (
!LQ )I A0 $ $! ' ;NM 3 A-C&-@? m;KQ;( PPQ
$G B+ - +,@ ,D A.2 /@JV GA++ @ ,, +B -,D AD
>C@ GA@ ;QL ) ) & :: 4P< B@,-CD AD
, D@ @C@ J, D -A -,D A. E@B AD +B@ U A. ;QKQ
< ' &) $,. ' ' M= "@ @AD@D ? ,, -,DY
A.2 AD C-? +B@A @2 E CC A.>@D +B@? $> I = UU
6&)-( $', 2 OQ !? ,, , @ D A.,@ C-? -C+ -
A@ + -,D A.
>$ &$!3 - ' ' ( , -- TE7* /
;KL< X 0 <KN B@>JJ@C J-C+ -A - +B@ - ,
O+ -CU@D2 +B@A -,D A. -+ - , ,@ +2 O -C L @@+
+B U2 -CD A.+- +B@ -?J +A@ - +B@ - ,2
< $' %( =ELL70* K?0(1-W70J
SKKM = 3 A ' ,",!( ? ( 4 4 =P; ; B@ U>,, - +B@
%B ? ,@-A B @ @A ?-C@ +B@ J@ + - A - @->! Y
-,D A. +B A B +B + - -CD A CG X CD
; 6- 7? *6- )-03 ( 6-
?701(* 7 7? @=D(??74<=2 (34(=* ?E0 (D-7 (4=7
,& ( ? 1( /
4KM= $!!0 & ' ) !78; B@ -,D ?@+B-D -
,) A. 3 >CA @ 2 ,,@D+B@ -,D A. G +@?2 A-
@,D-? C@ -C+@D +- KK- 9 7 A ',",!( ? ( 4
O<< ; + +B@B@ C+B ,-J@ +-- .@A+,G2 +B@ ,, - +B@ ? +@Y
C , D- A CD +B@ C@D> @ ?@+ , AD AD@C ?@,+
J++- E@C@+ CD@D2 AD -,D A. +- E@JC-D> @D ;KKL
, ' , :2 ;NO + +B@ />CB ? >CA @2 B ,, B D > @D
, C.@ -,D A. ;KK= 7 2 " < 8 ) ! = &'
8@D O( [L< 0,- A. A2 E,- A. ->+2 -,D A.2 \ 2 - +B@
E, + >CA @
3C 6- (D* 7 7?L4(D K 7 ( =D(??74<
M 9 . C ( $' LMM B@ -,D A. AD
A , )>,+>C@ - +B@ E-A@ - +B@ D@ D2 JC + @D ?-A.
? AG - +B@ $@D AD A + E@
$ $! 10 & - 1( ) $ 0 &./
,$%%&! ' & " *&! ( - 1 2& .(
PX XL A 7 ,, \ %, CU $ - 1 8+KKM( M;N #,D@
-,DGA. +G?EC@ SMKL < &)' ! OQ 3 U@ ? ,,
J A. B-,@ ;Q) = .. <$ 0 ( C ') ( B@
C@@ 2 ,, ? U@ .--D &>+,- U -C +B@ OC U, G@C 2 AD
@C @ -C ! -,D A. &-,@ ;KSL S B3 % ,( &'
K< B@ -,D A. J-,@ 2J, AU 2 AD C-J@ 2 C@ , G JC-Y
D@D EG +B@ @?J,-G@C
* D(>??74< I- I@ ?? 33 ('4U T !
$' 0 G 3 $
;MNN B B $' %( $-(S R @+ /-D-A .C->@
E@ , > B A @SJ@A @2 AD -,D X@ B@C - U@ -C ?G
D@ @A @
7(??74- 73= )(0 D(?? 0(??F
=-- ! 5& 1( D(?*,- )(0 1 0 D0-(*E0-
73= L( * 7? ) D(K )(0 9 W 4< L4E1
*(KK-0 )(0 7 7 ! +7E K=(417
D(K4 ( ,=J(.4+(/ F 0 * ^>=D(4- D6 L 7?
1(034-F =-- 47D(4 (1- *6-
*(4 ( 4L= ?70 4 1-=*7 - 7? )(0 7E= D747E0=
4QQ= 7 A C !0 $' ( "h + 4 L= B +B@G ,,
! ., 2 -C ! ., -, 2 C-? + E@ A. -?J- @D - +B A , +G
+C + 2 B B C@ - G@,,- B -,->C 1 0 LP !-?@+ ?@
A CC@.>, C ? - ? CE,@ ->AD ?-A.+B@ ! ., S! J
= B A C !0 $ ( :>A@ =NM B@>JJ@C E@D - +B@
., C@C@D AD ,@
D(K4 74( ,=J=-4+??E>b@/ 4=7 =7(4-74( & "
(-(K4 E74( 0( * ,$ ! - !$ < 1 7? ,$ !$
,=-- L0-D / G
H : < 1 (
S K ' 0 C & $ ( S 40+ B ,,>?
! ,@-, -C @ - @D ?> B A + , +- ? U@ G?@ -
;QQ= ^ @@ JC@ 2a2
; %4(=*-0 W70J 7? *(4 ( 70 K <-=K -< *7
1 *(*- J <= 7? =*7 -
;Q=Q ^ @@ Ea 4QKQ & ) 0% 0 $!( 8;KNP(
O<K :-BA ">. -CD2 A A.,EB? A2 5C C - +B %-A @A+
^- ,,-?EC- 2 > AGa2 +B@ A @A+-C - +B@ ! ., -,
;KOL & < KC*K= C $, (? ) ! (L ) B@ ? U A. AD J-, BY
A. +B@ ., -, 2 A- - ?> B > @D -C -,>?A ;KQN 5
' &, & ? . 0 8;KKM( ;QN O@J , @D -C@ @C?-C@
A B- @ ,--A C@ J,@AD@A+ +B -C?-,> AD ., -,
E $! 1(
;Q=Q " 9 .1 . 0 & $' ' LK :>,G2 B@ -?? -A
-C +B@ .,>-, + E,@ 2 *& ' $ ( 4 OQN
B@ E @?@A+ J A+@D A C B ! ., -, ? CE,@2 ;KP< <
. $ - ? S 2 ., -, J ,, C2 ;KP< I :
&)' !&,.#7 !>JJ-C+@D -A+B@ B ?) ., -, %-C A+B A
-,>?A 2 +B +B@ . 6 J + , 2 +C@,, @D E , -AG
- D- &7(K 7>4 &*$ ( W70J-0 =D(K4 74(
;KOQ % -0 0 ,, OK< B@C@ C @,G ., -
, +2 B- A-+ A + , A2
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4 L ;+0 !&,$!0 ' / / /
) +$E$E$. KY $E $ ,. 6 = I ,$ . 1 +(
D U2 1 / > / V
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' $ 1(
4Q<L = L 8 .. ,( ) ' ' &' ,- A +@ D - --+
-C B@@,2 +- >JJ-C+ +B@ E@ ? - +B@ J,->.B2 +B@G > @ B +
,,@D @2 B B C >, C J, +@ - C-A2 +>CA A.
-A + A+,G C->AD QKQQ ( ( ' 0 <!& 0( . %*!&) (
J,->.B ++@D +B U @ SKKK % ! <!& 0( ,$% (
+B@, ++,@ B@@, B B C>A A C-A+ - +B@ ->,+@C - J,->.B
;K<W ( ' !( <!& 0( . % 3'$ !( ,-A. A ,2 B A. +
B@ D -C?@D - +- > +2 +B@ B-,@ A +B@ J, + - J,->.B
; C@ -, A. B@@, > @D A J@C B A. D ?-AD
4KKQ & &!& ,$! " - !( 4 4 4 2 ;NP B@ -CD A CG -CUY
? A J>+ B D ?-AD -A +B@ @ -C G, AD@C +B->+
+ U A. AG J C+ >, C J A
)M/ 3 $ ! $ $ 9 U,
5 ) / A / / ! $ $ 9
$ 2/ ! $$ 'OG$ / ! $ $ $
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G > ! ! ! $
;PQ< KN ( C!) $ , ( $ ) 8;P<P( -KL j 7 +B->+ +B@
,, +B@ B@ .B+ A-+ - .C@ +2 E>+ +B + + @ ,G
, E,@ +B , DD@C SM M = B ), & 8@D O(2 ,$! 3
$1! ( 4KL< $ $ 0 4 4 MLO " -?@C A ) @ B@ @A
, E,@ ;<NL C B . " B 0 $ " !S 2 B@
, B@C@ E->+ , E,@ A -C@ - J, @
) 0= ! .$ ' b M
2/ / M & / M / 2 $ KO$C
3 $L
:$ G G /
* / 1 $ J
3 3 1 1 2
!2 3 /
1 D /
+
1 1 $
!@@ $G?@C , $ 4 PMP2 4 2 ;NO L2 0,-?@ @,D
0 & %&!. 6Q=P( " PPO
%4LKN 9 . 1 . 0 8;KKN( 4NO 3 + C-?@2 + ,
@,, 1 (( _V + JC@ + @G@ ? @ + , @,, -C
->,@ + B , -A--A E@A ->+ - J>C. +-C @ $ ;=NN $,(
& - ;SK 8 @CA-A 3 ! (2 A E)+ J, @ %B J@, ! ,
@, ,@J@+ B + , L <& *!&) Q= B@A
-??@+B JC)+ +B + .-+B +- C-?@ 5-C +- B >@ , @C +-
A. + ,$!$ , ! 0 ;PSP A &!!( ) " , & &,( 8;KPK(
:2 ;KO : ,, +B + +B@C@ E@ @@D@ A +B@ B J@,, - !U ,G
%@, + 7 @ +?GA +@C ? @ - +B@ ->AD - ->C -CD
-D ;P;< ) , 2( ,,( 0 $ $ ( ' (8 B-,
;Q<Q( K - +B@ 9@@J@C - ! , %@,, A +B@ EE@G ;PL=
' 3. 3 A ( )** 0 &'$ 8% ?D@A( ;O 3 G
- ,@ @, ,! 1" ' B ( ) ;PPN
. 6& $' 8% ?D@A( ;Q @. G@ 2+C@A+ , 2 +B ,
@,G ?@ G ;PKL - L ( 28@D =(SGKO B + ,, J CY
+ U@C - +B@ ?@ .G,D@^- ->C DG A! O-+-,JB 2O- +-Aa2
B B B ,, G -C > @ +- E@ GD@ 3 @ -C ->,@
D@J C+@D AJ GA - &>C. +-CG2 B ,, B @+B@ >,, C@? Y
-A D>@+- +B@? B B +@ +B@ %B JJ@,, - ! , %-@,
;$)4 2 $ $. '
3 D
3 3 2! $
S ) . - 0 1%%( 2 0 8 CE( ;L< ,$!$
,& !( JC@ BGA.@ ? ++@C +@,, G->2 AD A-+ ? GA.
? ++@C $%+J # 3 A !G, ) +@C ) $ $ 8;MO;( MP;
3 U A. ,-- @ , A@! 8 -C --+B( +B@ + ! , %-@, >@CA@
-C @?J,@2 +- D-C@2 B@ C -A,G -D2 +B@ C .>+ SM M
% !( ;P B@ 3 .A @A+ @?J,@2 +B@ @>@C ,,
/@.C@@ - @A+2 B@CEG 3@A D D , ?E J +- +B@ ?@2
+ E DEA ! , % @,
) = ./ 10 - 1 $ 1 ( '
_ ). / $ K $ $ ,$!$ $ ) ./
1 ,$!$ $ ) = $ ,$$ $( 1 $ ,$!$
$ ,$!$ / ,$!$ $L
O C $ " $
4!<4 <$ $ > $ ML 7 ,,2 C@A B2 ! , D@2
0>, U@ $%++ ' .. ) " SS S* MON B@ + @
+@A E,@ . A + ,, U , D@ ;ML 7 8 > $ (
L=< B@ / + B2 ? A,G J ,, D) +B #-D@A + U@ 2
-C JC@>@A+ A. - >DD A ! ,,@+ $ ;9S_ 1 8 )
0 ( ,& ( A 8;MQQ( ) E@ -CD B D C@ -, @D +-
@A+@C +B@ - A EG , D@ ;h9 ' B ( ' ( S"
OMP B@ ) 6 B C?G 2?->A+@D +B@ ,, EG , D@ XK)
. . .0 < ( . L 8;KQO( ;<P "@ +C @D -?@
? ,, JC@ +-CG ! @.@-C , D@ - &@ +9 L
' 0 SS O;L 7 B@A @E D ? D@->C S) -> , D@
- +B@ B@ .B+
;$ ' / $ (
;MLO 7 8 $ 0 S PNO B@ C C?@ 2 %C- @2 ?ED "
, U@ ! ,,@+2 +C D +B ,@>C D> > @ ;KO= 9 66
$ & S S 2 -C @ @ +- @SB-C+ 5C@ B UA .B+ +-
?->A+ +B@ + ,, , D@ B@ E@ C
= ( $' (( !2 $
$>A0 .3 !! " L<L&, @ 2 B@A ++ U@D -C
++@?J+@D +- E@ +-C?@D -C , D@D
9 A 1( ' M / /
M _ / S / $ K $ $ ,$!$ $
$ * .
:$ 1( (
S)W M . & 0 8% ?D@A( =O< 7 @ +--U@
A-+B@C - +B@ -C+@ 2 EG , + U ,, D@C ;P<; X & (
8$-SE ( OP= + E@ + U@A EG +B@ @A@?G EG ,, D- XMX-
```

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' .. ) $ '>? ( ;OK B@G +B + . @ +B@ !@ ,
D- @C@ +BC- @A D- A@B@ D,-A. ;MS< = L 8 .. &3
$' JJ NN B@ B-,@ C?G E )+ +B@ - A@2 AD ? D@
+B@ C !@? D @ -A @>@CG C D@ ;MKK : ! & % ,$ &' ;O<
B@ @A@C ,2 +BC@ +@A @ @C , -+B@C J, @ +B +B@ !
, D- + +B@ ?@ A + A+ ;Q<P ( ' , 0 0 = 0
OO ,-GD +--U +B@ +,@ - % CD . A2 EG ! , D- ;K=Q
A $ $ 0 : A 2 >,+ 2 , D-@ 2
?E> D-@ 2 E@ ?@ +B@ % J+ A B @ D@, .B+
; . ) 10 O
$%+% - 6 L $ & S SSS+ 2 DC +> E-,D,G
+C-A. , D- C@ C@ ;KO= 9 66 $ & S SSS S2 !-?@
C @ D- 2 A-C +- ?->A+ D@ , A@
) ? ?.$ )- 1 3 $ ( K$
M !. H * . G 1
" 2 ! $
4KQK , $' *0 4 4 4 ;MK B@ +-+ , , .@ - +B@
,-. +- E@ D@, @C@D
D(4(L ! $ $
, = J @ ( < 0(< %
% 4(<<-0 . @@ G .
: -=-134 K 4(<<-0U & ( . 6
SD . B <!& & (( ,$!$ ( $!$ "(,@? A. -A@ G2
, DD@C @2 A-+ E-,+ >J C .B+2 S ) ' ' ( &,( 6 - !( 4
<O !J C@C +B@C B .B2 , C
; # ?*6- (*E0- 7? ( =D(4(0 ,=-- /
;KPL ' . A C $ ( !@C LOO B@ + -
,>@ - +B@ @ +-C J2 B B A @C +- +B@ + - ,>@ -
+B@ , C -@ @A+ 5( ;KPL ] ! - 0 A)$ ' &' + 
8 KMD( ;QP) B@ ! , C 8-C ! , C & C+( - F> +@CA -A
1 ( " QO; B@ , C @I> + -A - +B@ J-, C - +B@
, ++@C m) A+ OKQL = L 8 .. ! , ( = $ '( < ! , C
I> A+ + @ D- A-+ A -, @D C@ + -A
# TE(*-0 7 = ( 0-(4 E13-0
SK) ' . ! - (A)$ ' &' , 8;KMM( ;N B@ 2
I>-+ @A+ -E+ A@D EG +B@ D -A - + - J C ,,@, @ +-C
EG A-+B@C2 A ,>D A. X@C- , ? +2 ? G , - E@ ,,@D
! , C E@ > @ + A , G E@ ->AD 2EG +B@ -?J C -A
- J- + -A >J-A -A@ -??-A ,@ 8-C S ( !> B ! , C
C@ ?J,G +B@ $@ , 2 - ,.@EC 1 ( ; ; B@ -?E A Y
+ -A) ! , C J,> @ +-C F> +@CA -A SKK =
E - *!( V ' - $ ( OMN B@ C@ >,+ - +B@ -J@C + -A -A
7 , C J>C@,G , C
,=J(4-@@0 ( / ( < 0? 1 7<A
%J ? % 4(<<-0 . ( . -[
47 K K*7 *6- K- E= % 7? K(=*-07L7<= 3
??(=*-07L7< 7?*6 = K- E=
4K= C ' ' " " ,!( 4 4 P-C O B@ ! , C A - ? C U
-A + - +B@ .@A@C - ) ( ,$!$ $( AD !* . ' )!$(
,=J64(-@0 ?LM 1/ ( 0(<
17< % ? 4 % *
Q+SF =-- *$ " . ?*6- ?701 7? 70 0-=-134 K
( 4(<<-0U D6(0(D*-0 I-< 3+ 4(<<-0@4 J- ?701(* 7
(= D-44= 70 )-==-4= 7? L4( *= 6() K *6- W(44=
*6 DJ- -< =7 *6(* *6-+ ?701 *0( =)-0=- 0 <K-=
S ) B . ) < &!(= '(S : =<< '& 0 B@
JC@ @A @ - J C ,2 -C , C -C? @ @, $ & ).
' & 0 ?& KQ B@ J + @S+@AD A+- B-C X-A+ , >C@
C@ @?E, A. B + C@ ,,@D ! , C -C? @ @, $ /+
< &!0 JJ + QOQ !J C@ , C -C? SKKW < ) . C " &!0
?& ( LN 7 B@A +B U AD - ? CU A. ^ A @,, ,,( E@ -?@
, A@ C2 -C A@ C,G -2 + +@C?@D , C -C?
1 / " 0? . Q " 8 V
*6- ?701 7? ( 4(<<-0
SK M $ # $ ( '( ;O< ,$!$ 2 ( A B B
? AG +@ >, C CG + , C@ CC A.@D , U@ +@J - + C
= 2/6A$ H ( 8 % H
( < !
: () K *6- ?701 7? ( 4(<<-0 70 ?4 K6* 7? =*-L=
;M=K 8 C ) ( *( S OPL "@ ? D@
@C+ A@ @,@ +@D J, @ 2 AD !@ , CG @A+ 2 +B + +B@G
? .B+ +B E@++@C @ @ ? ->A+ +B@ C B-C @ ;MP; ' 8 ..
' , OL -> B A. +B U AD - @?J,-G?@A+ +B@ $@Y
J>E, B +B @C+ A D@.C@@ 2 -C !@ , CG @A+ AD C>,@
- C ,?- ,, ;MPM ^ @ . *
; >O 8 '>G+* $ $
4*) : ' 3 ,0 C &1!( OP B@ .C@ + %, ? +@C ,,2
"@ED-? + ,,2 !@ , CG2 /@ C@+E ,, G@@C@ ;MLP ' 38 )
$ , " ( %-?? OMQ B@ -C %, ? +@C ,,
G@ C@ -A +@+B - !@>@A G@ C@ A A@ + ?@ +-,D -C A A@
G@ C@ !@>@A + ?@ 3 >,+ J, @D
$ P #>
A/J% O+X - (1 %0 &' &,$ &' =K B + + Y
+-CG2 +B + ? ,2 +B + , CG
D(4(W(K C A+ - .. 8 7
! ,E C+2 E@C+2 ES CD o 2 -E ) (
! ,@ 2 C A+ - .
/ ' M =J(4< K'
7? 'OO !2 1 ) $
% 1 Q
;PM; ' .. B & '( *& ( O B@DCG@ U ,D@ - +
,,@D A $5 - %) % ( ;P<N 6 0 A( 2 =Q "@C
C +G B@ D ,+-.@+B@C E ,D2 AD 7 - @C.C- A@
+B >C @ AD ,+BG ,D ;M=K ' * 0( E*&'
?!$ ' , (0, A B @ C B@C "> E AD' ,- @,G B@A ,D
?ED " E,@ C D E @G@ ;M<L & ' 0 <$00 - O<LN = +@,G
@A+ C-? B 3 +@C -A@ 3 C+ A 3 DD,@+-A "@ E +B
! ,D E@B AD A B "@ D
% 0 OM=M " 8 & - - ( ' ! ;N= B@ C@2 +B@
,D2 +B@ + B - ,> +
D(4<) h ./ 10 K$ OE .$L
:$ ' 5 2 !2
$
M - ' .. ) C! ' " SS S S LP; ! G +B@ J, @ E@
E, +@C@D 2 +B AG E>?@ -C ,D OQ=< 0 $ "
- * ( m@D M( LN;2; ? + @D +B + !J C+ - 7 A@ ?
JB-C +)2 +B@ @CG E@ + B A. +B + A E@ JJ,@D +-
0>? -C ! ,D A ">? A 0-D@ ;K=P 5 62 A
' ," ,!0 &*( KMP O >J@C , ,D - +B@ B-,@
E-DG ;KQ< 0 < & & *( *( 4 L<= ! ,D - +B@
```

C J .@ ' ;K<N 8 ') 0'C$ 0'8;<NN(' OK<' ! 7 '
N;' +A@' ,) S A' - ,DC@A ' - ? ? -A,G'C@ >,+' C- ?' ++@ ? J+ '
+-' DC AU' C- ?' 'U@++,@ >,' - 'E- , A.' +@C

3 ' > ' ,5 /' =KE=*' () -0= 7 ') -R(* 7 ' --

' " XM!' ' /

7 ' ' ?4(1 1(* 7 ' D(E=-<' 3+' 6-(*U' ('

?4(1-<' L(0*' 4=7' (LL4 -<' *7' < =-(=-=' W6 D6'

L07<ED-' (' = 1 4(0' -??-D*' *7' *6(*' 7?' =D(4< K

SKK ' " & ' H' ,(' ` ,("' .$) %' ,$ ' ' ,D2' -C' +B@'
? CU' - ' +' ' , -2' '. ,,@D' -C' A , ?@D' J C+' - '+B@'E-DG ' SWKM'
%' ' , * $LT - ' F ' '? A>C@' ' ,,- @D'+-' >?>Y
, +@' +B@C@ A2' +' ,,' .@+' A+-' +B@' ,@ C' - '+B@' --+' AD' JC-Y
D> @' ,D ' SK)' ' .>' $' (' (0(' ,$! (' 'D@ +C> + @'
D @ @'- ' C AE@CC @ 2 ' JJ, @D' , -') @,G' '+-' AG' >DD@A'
,+ A.' -C'D@ G ' - ',@ @ ' AD' C> +

; ' 6-' (D* 7 ' 70' (' (D*' 7?' =D(4< K' (0* D4-=' 7?'
?77<' E*- = 4=' -*D

MMX' ' &&. "' , 'P' 1->' ?> +' . @' G->C'
AD @' '! ,D' ;<M=' ' = L ' ' 0' &) 2('8@D '<(' 9&'
&>+' A' G->C' D ? A 2' ,@+' +B@?' B @'-A@' ,D ' ;KM<' = '
9 S' < ! " (' B@' # @@ J-+' AD'+B@'+ -'J A 2' B D'
+B@ C' ,D2' AD' +B@ C' , ++,@' ->C ' ;K)=' - 'SM' JC 'Q L'
B@'B .B' ,D'+-' 7B B'+B@' >CD' ' >E*@ +@D' +@C' EC@ U A.

' ' 67*' 4 TE70' 70' =74E* 7 ' E=-<' ?70' =D(4< K

4MK=' ' ' 9 .. 'A) ' . ' !& '!>JJ '=' +@C' +B@
C +' , DD@C' , +B@Ca' ,@+' +B@' -+B@C' E@' @CG' B- 2' AD' +'
+B@?' A+-' '! ,D' @ @CG' + ?@2' SG +' & - 9!0' $ - 03C , ' '
+' S -'&>+'G->C' 5C> +' A+-'E- , A.' 7 +@C2 U@@J' +' A' ' ,D'
+ ,,' +@AD@C' ' ;QKN' ' B ' &) ' ,!(' : ;KN' @S+' J>+' ++'
A+-' ' ,D' - ' - J

' ' L(*D6' 7?' 4(<' =D70D6-<' 3+' *6-' =L >' %

$>0 ' = .. ') 0' ,&'(' & 0' :' ;7' T! ,D '' C@'
J@CA -> ' A' -C -,U2' ' I> U AD ' AD' JC A.G'J + B@ '
C@' A' %-,D - ,@D' ->A+C @ ' ;KPL'*+ '! '!>$ +@' &% T '
' &) ' SS 2', B@' ->A+CG'' ' ,,' -A@'D A.G'DC E2' +B'
E>AD A+' ,D ' -A'+B@' >ADC A@D' ,,-

- '+B@')D@D' JJ@ C A @' B B' +'. @ '+-'E) C-J

D(4<' @ F' =--' 0 (' '

/' 1(H' ' ' '

D(4<') h ./ ' T' (($$, ('
$!0' ' ' M ' $,(1 / / !'
/ _' : / / ' =b?$ 1 / & $!(
/ $ 0 (*-0' ' D 3 ' G
: ' @ +@D' 7 +B' +B@') ,,' ' EEG
A' +B@' ;M+B' ' -+@A' A' JC- @CE ,' -C' ,,> @' > @' %'
') 8!@@' , -' .)")D
$/J0' = ' "$!& ' +' '7 U 'SKW B A' WBA6' ,'+B@ @'
,D@' \' EE@D' J@ @' ,@'D@A@' -2 \' +B@' B-,@' E-DG' -'
@EC' +@ 'B-,G'@E>C@A' C@? A@' J>C@? S)' 3) . ' (
SS ' ON 7 B@+B@C' B@' E@' E,GAD@2' -C' ' ,,) D2' -C' ' UGC G@'
-C' >,D@' ;PLW) ' $ " '0=KP' "- B) +' ' @'+BG'
U J' UGC@' U D' ?$''$"' ' (U Da2' B->' C+' A@'
+@ +2 :' + AD' - CD' ;P=N . 7 ' ,&!$ ' } '8'6'3' +'E2'
"@' B ,' JJ- A+'B ?'->+' -C' > B' ' ,D' I> @C' 'B@' '
;P=M : " ' 8)'C & 0=' * ('8;KMQ(LL' ' ,D'B-C @' ,
. -)' A->.E' -C ' ED@' I>G@C' ;PQ<' ' $ * '
- (' - (=Q=0!-?@' ?>C?>C@' AD' A C,@' ' --A@' '
+B@ C' ,D' E ,E' C@' C>EE@D' ;ML<' # ' 9)' * (? .0
C " 0' ' ;K' ' ,'D' B@ D' +B@' ,C@' "XK-K' # !'
,$) - &% ' $ (+B@' @ '>C B A a

N$ > ' ? / / 2/ ! $
, ?' '$0' N$.' $' ?' $
, ';PNN =) 8 . ' $) '0' QPL' 8OC AD (' B@' ,D' J)C'
C@' B +G' - +BG?' @>@A' 'C G B@' S)' ' ! '
' $! '7 '8 >??@C@'(1->' B-C -A2 ,D' !@S+-A' AD'
%B>C B CD@A' (MM 9 ' ' !0' " (N%b$ '
- - '?!&& "'?' & ' ' ' 1->C' .C +G' -A @' , D' 3 G'
B@ D' AD' B@@, '+- .@+B@C' A' +B@' />A.@-A2 5-C' C UA.' '
,D'# @C' C- A
5' ,$!' '- $1! ' 'E>C,@ I>@'D@ .A + -A' JJ' C+'
A' ;Q=0' A' -AA@ ,-A' +B' JC- @ -A' - 'C . ?> A!' AY
+@AD)'+-'C D >,@'+B@' 5C@@? -A' ' 'JC A+' - ';QQ;'C@JC@Y
@A+ A.'+B 'EC->.B+' +B@C' E>@AC' $JGC@ b-A' A+-'+@?J-C' ?GC' > CC) G'
+B'+B@' @A @'t ? E,@' C@+ B'
4Q=L' = ! +' A' J +,@' C-?' / U' &-A@G2' I' C AD'
3 +@C'-'+B@' $ .B+'0, U > CD'!- @+G'- '!),D 3 @C E+@'
3 -A ' ;QQ;' = ! '&%*!$ '1"' ? '& +' ' @-?@+C ,
@ ' -'+B@' C AD' &C- @ -A' - ' +B@' ! ,D' 3 @C E,@'
3 -A 2 / @ .AD' '+B@G' @C@' / C A' >J'M @C' . A+'
!-?@C @+' " -> @2' A'+B@' !+C AD' -A' +B@' + @A+G' !@ @A+B' -'
JC ,2 A-' ;Q=0' ;QQ0' (B ' 0' 0' ( ) ' 'PML'
#>C'J--C' ,D'? @C E,@' - ' '5C C' @C>AD' 4QQL' 1
("'8;KM=(LQ;2 :' ?' A- 2 ' +B@' -C,D' +S->A+)'
-,D'? @C E,@')(' ' ' 7 ' -'0':$=NQ B@'JC A+'
- '+B@' ! ,D' 3 @C E,@' 'EG'B ?' O@A- +a' 61)!(=NK
B@' -A+C @C' - '+B@' ?- U' JC- @ -A' -) D' ? -A 2
B B' +> ,,G'+--U'J, @' A'+B@'G@ C' ;Q=O a'
!$' ?'+B A.

%b]N X) . ' $ - 0' *&*.0' OMN ' +' B >A @' ,D@'
>JJ@' - '+BGA' +-' E@@' EC-U@A' ;P<C' ('C'C ' !
J'&C ?@C2' ,D' +C > ,'GA.'& ?JB,@+' ,,@D' < '
&$% 3 %& ' d ' 0' XM-N' 0' # ' & - 0' :2 '
B@' B @a' ' ?+'B AD2' AD' ,D' A ,@ 2 ,@+' B@C' C>@' +)@'
,@ @2 AD' +' A' ,,->@' ' $'$%A>' =) ' &2' ' '
7 U 2 8O>,,@A(' ' 8' '?'C D'-' ' -C@' E>CD@A2 -C' ?G'J C+2
? +@C2 # ' ,D' ,++,@ -A@' '$%_]' - 7B 'C& -
8;KNQ(LPP' ' D'E +-' ' J@AAG'A-+@

$ & -1(' ' / C' <(>QF'D' =

'$0'5' *

SDSS'%- $2 ')5(>C>@2 >,D J +@D' ('
')5(-'W >,D J +@ ' +B@' -?E@' AD>C@' SD!'
X *B ' $1 !$ ' ' ;' SSS2 B ,, ' ') >,D J +@ '
? U@C'-'B G'E>AD,@ ' $%/0' B ' ' 0 (((B@'
>C @' -C' >,D' J +@2 '$(* !$!!$(
J$' 10' $' ' 32 1/ !$'
%b_b' <$- - (<) & '%%$ $NMG ' / ! / '
/ ' ' V %b&' ' @' '$('
=

"' D(4<') ./ *?' / $ ' , = L0'
(' G

,$! ' , $ - 0' ,-++@D' -C' ,->+@D' C@ ?' ,$! ' !. M'
? ,U' C- ?' B B'+B@' C@ ?' B 'E@@A' U ? ?@D' +@C' ,D A.
4Q<4' < ' 0 $ (4 ' ;; QON 0' B +' C@ ?'+@C?@D' ,D2'
-C' ,-++@D' C@ ?' ' 1 (B- @'D C@' +B +' ? U@' ,D'
C@ ?' E>++@ ' $00I' = ') 0' ,&'(V' ' 0' 'OP4
A' T ,D' C@ ?'D C@ ' A-' B>CA' 'A'> @' SKWP : 7 .
2(&' ' ' +'D-A'+ +@' - ' + @ @C' ' ,D'
0?? A@ @C'G->' ,'?@' B-? 'O>C? @' SKKM !!' $ '
&)' ' ;=' > .'L= 7 B-'A'%-CA ,,'@ @C'+B AU'-'DC AU A.'
AG+B A.'E>+' '? ,U

! ,D' ,=J@4</' ' 70 1 =F' #' =76(4<-' #'
=7(4<-@' =D74<-' # ' =J(4<-' # ' =76(4<' '
=J(4<' =D(4<-' ' =D(E4<-'> @' =D(W<-' =J(E<-
,!'=D(%<' =D74</' & "' ,(=D(<'=D(E<' '=D(4<'
C$(' (' '=J(4< <@' M ,(=D(4< *@'# '=D(4<-<' !'
=D(<*' $(*!(#' =D(4<-<', =J>/'=J(4<' '=J4(<<'
+*' # '=J(4<+<' <' ,-*D/' !' "' $!(' =7(4*' '
,(' =D ' =J(4<*' " $!(' =D(4<' 0(' ,$! (
,$) - *0(4' ' ,$! ($) '&'E>?2'
=D(4< ,17< ' , $) '*7' =D(4<' -(04 -0' (4=7' *7'
=D70D6/' %0' ,$) $ (L '%K' ,$ $'&' 3E1'
=D(4<' 1(J-' 0-< 67*' *' ! $ '*7' 6-(*' W(01
4(*-' 5,$! $ ' *7' W(=6' 67*' W(*-0' ?' 5'
,=-- R' * %[' ;' ('B,$!4%+) '67*' W(01' ,=--'
(' (< 8 '+
B@' J@ '>@'C@ @CC A.'+-' ,I>D' .@A G2' B B' '+B@'
JC-? A@A+'>!@' A' 5C'8 AD'B@A @' A' A.D2' AD' '?-C@' -C'
C@JC@ @A+@D' A' +B@' -+B@C' $-?', A. 2 ' JC-E' +-'E@'
->A+@D' -C' EG'+B@' +'+B +' 5,$! $ '->,D' ' @,,' E@'
C@ @CC@D'+-'+B@',$!= + $' E2'B- +@C2 '+-'+B@' D' A' A.'
+B ' '+B@'@ C,@ +' @!!@- ' +B@' 7-CD2 B B' ' C +'C@ -CD@D'
A'+B@' A C@A' $, ,@'=$'; OOP(E-+B' A' + ' ?J,@ -C?'8 @@
I>-+' 'S' .) 7' **!' $0+' AD' A' +B@' -?J->AD'%&
, = +$! '8 @@' - "* %0 'P(
B@' -CD'@A+@C@D' +' A'@ C,G'D +@'- A+-' +B@' ! AD A A'
, A.> .@ ' @ C,G' 3 / ' .&! (3! ' .$! $(' .&! $(
.& $(! ' . !$'+-' -DD a

' ' $' 7' 3E0 ' W*6' 67*' 4 TE70' , /

:>' $' 0 7' (??-D*' L(?E44+' (<' ME0-' W*6')-0+'
67*' 4 TE <' 70' =*-(>

;L=N " ' (MM' " C@' ?->E' ' @'B@' G)+@' (V@' > ,U' A@'
B-+' @+@C'E@+' ' -,D@)' ,-J@'J- ' EG@B'E@C' E->+@' ' ,' c< M
%U 6% $'V ' ! ' (;SMO' B@'%--U'G , @D' -C ,'B ',-A.@'
, D@ ' ,67 C,&- *(C$ 0'77# # ,$[( )$) (SM-S' .R
') 'C! ' "'44 '<bc' '-A@'E@' ,D@D') 'B-+' +@C2, G $'
A'@. '+-'+B@'J, @' XM)'V' 3 .'+C' ' '&%' ' $ (
!(')L' B@G' ,,' DC AU' +' JJ A.2 -C' @ C'- ' ,D A.'+B@?Y
@, @ ' ;QKM ' ' <$ ' ' (LNO'5-C' @ C'- '
+@ ?' ,D A.'+B@'J, A+' SK+)': ' , (' $- (
MN' @+' ' J @ @' - ', A@A'D J+' A'EC ADG E@' ??@D +@,G
JJ, @D' +-'+B@' J C+ ' ,D@D' +B' B-+' +@C') XK +
'SS ,2! ,D A.'G->C @, 2 ';' ? G' G2' +B'G->C'- A'
, D,@ ' ;K=<' ' ' ' 0' 'OKP' ">.@' +-A@
AD'E- , A.' +@C' @C@'A'C@ D A@ '+-' C>)' AD' ,D'+B@
J,>AD@C@C

3 ' $1 &!(' 70' 0' 7' 3-' =D(4< K' 67*

=SOOP' ^ @@' .) 7'CC!($0' Sa' CSMLWb 7 ' 9 .
C & & ' ' 44 ' 8;M=M(' ON 7 -CD ' - 'C@ , A.' ,D ' +'
@C@' ;M=' - B.. ' @ '.S S';OQ'!@?@'@SY
> @'+B@C@' -C'E,->D'@AC .@D2 AD' A-' -AD@C' 'B +
,D@+B' B @B'E-G,@+E' ;KSO ' ' ' 3 - (!& (3'
Z8' 7, +@C' ,D ' +' ;PN)

M ' 7' -D71-' ME0-<' 3+' 67*

4 TE < 70' =*-(1

' = I 8 ' ' * 0' $-1) !0' ,;' ' - ' ,D 'B '
-?' A'+B@' C+ C A' !+C@ ? ' 4K=Q' ('C ' '
=K B- @'D)@ + E,@')' ?+',@+' +B@'E A+ A.' @ DD' +'B-?@2
AD'EC ' B@ C'C,B+'-C' C-A)' U@'J-+B@CE ' A'+B@' +C@@+
& ' F =7(4< D67L=' + ' 67' *-(U
=7(4< 4 L=' , D' ,$! * +('1307*6' D7 *(K' (')-0+'
=1 ('L70*' 7 ' 7?' 3(04-+' (<' 7 '*4<=' (DD7E * 170-'
(L*' *7' 3E1'*6-' 17E*6' , (1 /
$'SMK ' 5 ' 1 . '?!" . & - ' '*'MP' A'C& - '&%'
* !! 'Z ,' M<' B@C@' ,' 3- 'B ..>@2 AD' ! ,D,,J'
*7 >J' + ,' +>0-'?7W' 4KLN = 'V
+B@' .A ',?70'+@ ' T E00('?70 ! ,D B-J '
;>' $' 0 7' L07<ED-' (' ME0 7E-' -??-D*' EL7 '
,=71 -*6 K' = 1 4(0' *7' *6(*' L07<ED-<' 3+' 37 4 K'
W(*-0' ' ?*-(0=' 6E17E0=
;OOP'^ @@' .) 7', '$(#1' $J&+' ' 1 .'5 ' &' ,(
9Rh9' " +@' +@C@ '- '.C@+GA.2 J +,J@' GA >,' ,D@A' A'J@'
D->A ,,GA.+ 4MNP X ' 4 ' ' ' =K2 .' ?' E->AD'
J#A' ' B),@' - 'C@2'+B +'?A@'- A@'+@ ',' /-' ,D2,U@'
?-,+@A' @ D2' ;M<M &) (' <$ (- 'LO=N = B@'@ +' D@'-'
E ' @'E>CA+' -C' @DD@D' EG' -?@'">?-C' $>AA' B7 . '
A' 5 ' $' (4 %4 ' KM 7B@A'+B@' 6C A@'E@. A '+-'
-?@'+B@'C .B+' G2'6'J A' AD') D '+B@?'?> B' +@C'+B@'
?@'? AA@C' XK)' ' ' & '62 B@'+@ C'+B +'
,D'+B@' B@@U
$1 &!0 $%0A') ' ! & - ' ' ' 2 AD' 'L' ? A,G'DC-J'
-C' -' ,D- A2 +' ,D', -A.'?G%B@@U ' ;KLP'
' ' $ % 'SM' B@'+@ C B B'D-@'A-+'B@ ,2 ,' ,D'
AD'@ C
3' 6 (' ?W70<=' 4(KE(K-
;PSL' 3 ' ' ;' &C-('OPK' B@'I>@A+' AD' >C->'
@ ' J-@+ ,,2 % S+->A2' -C DC@ D'+B ' >,D'B ' ,JJE,
@U D@') W+' A@>@C'+> B@' $ &>'# ' = B'& ; 4
: , '4' ;QN' ") ' .C- ' , E' A'>++@C A.' , @B--D'+B + B->,D'
,D'B '6J
' 7' W(=6' (<' D4-(=-' W*6' 37 4 K' W(*-0' ('
*6-' D(0D(==-=' 7?' (1(4=' -=L' =W -' (<' L7E4*0+'
70<-0' *7' 0-17)-6(0' 70' ?-(*6-0=' -*D
$Hh%S&') & ' 0' ;P<KK' @' ,'B@'A@>@C' J C @'@ +2 C'
,(V' -U' J C @' 'U ,D'G6+@? .B+' ,';=ON 1 ' &T
,&) -' 8;KM<('OMM U@' J-A' AD' B ,D@ AD' JGU@' B-C@ B-CA'
+B@A' 4=LN !7 ' &&. "31.(OP' 5 GC@' ? ,' 8)BGU@AG'
@ :' \' D@A@' U, DDGD' \' DC @' $/%/' 1 ' $)) (
<!$1 $ ') (+-' >,D@' B-X.@' AD' + U@'-'+B@ @'C' B@ C@'
$' K A' 'Q;' B@'@'A@' @++ A.'-A' +@C'+-
b D' > B'%B U@A ' G->' C@' ;Q=Q' = '< . ' &&. "'
'LO' >+' AD' ,D'G->C'& .' 1 (2'QO2

3 ' 3 / / $) ' ' 1 ' +
>!#!' = ' < . ' &&. "'S ' ;LN ! ,D' +B@' &-+' ,@ A
;Q)' 7 2 .. ' &)' "' &) 2 >' &-*(LNK - 'B@ +'
' --D' F> A++G' - '7 +@C2 -C' ,D A.' & ' ;KM<' &) 3'
! >' (' ?&">' ' (=P<' &C@J C A.'+-' ,D' ->+' +B@' G'
A. J A' ;K<Q' !!1) >' " 0' ('LLN ,' ? ,U' B->,D'
E@ E- ,@D2 AD' +B@'E-++,@' , G ' ,D@D'E@ -C@ > @')

D' 7' *(J-' @ ,*6 - 6(0' 70'?-(*6-0=' 7?' ((1(4/'
W*6' 67*' W(*-0
$J >' 3 ' '8$-,, ('OP<' "@' . D@C@+B' +@C'
AD' A@+@J' + aVC- @J' +' JJ-A'B>A>A+@C@' AD' B->AD@ AD'
,D@J' - 'E@' B@@C@' - 'B@?' ' =KS' L ' ' '$ 'S, '
8 CE (44L' B@' B@@C'E@BGAD@' ' U ,D@D'- ' ;MSQ' =
'O'OM B@' 3 CI>@ 'O +B ' -'B-+2 ' + ,,' ,D'- '
+B@'B C@'- ' "--.@

<' 7' (LL4+' (' 67*' 4 7*' 7 ' 70' =74E* 7 ' *7
;QPL' #!' ' < ' !(' $ "'SSS 'OMN ' +B@' ? ++@C'
,-' ' A' .C@ + E>AD A @2 AD' - '+B A' -A +@A @2 + ' ?> +'
E@' ,D@D' . A' ;KKQ' $!! ' ' ,!0' 0(' ,$! (+-'
E- ,' -C'E> U' ,-+B' +B' B +@' - J' +@C'E,@ B A.

#' & ; ' (' 7' 6-(*' 4 TE <' *7' (' L7 *' ME=*'
=670*' 7?' 37 4 KL7 *' 4=7' '?70 , "
;=KL' $ .0 ' ' !0' LON 0 -'! ,D@' EC- @ 2 $ *$ 0 ;M<0'
" '<&& ' &) 32 % ' '=P' 'G->' + U@ ? ,U' AD' ,D'
+'8E>+' +' ?> +'E@' D-A@'+-' 'J- A+2A-++-'B-+(' 4QOP
< ' ! ' * .0 ;;' '#>C'?@ U,@'J-+'B +' D '+B@' B@G' ;KLL'
= ' ' ($- $ ' "' $ " " 0'8;KLM('O<N B@C@'
' 'J A'- '? ,U2' ,D A.'- @C'+B@'@?E@C' - ' ' --D' C@'
4KP[= 8' &) ($1&) ' ;<0 0' B@' ? ,U' ' C +
)D@D '+B@'J?' -A' A A.' +'E)A.' ,- @,G' + B@D2 A'
JCD@C'+B +'B@' -A+@A+ ' ?G'A-+'E- ,

3' 7' =E3M-D*' *7' *6-' (D* 7 ' 7?' 67*' W(*-0U' *7'
L7E0' 67*' 4 TE <' 7) -0
'[=LN 2&' &&. "31. (O= U@', GC@' O-, @ 'A' 7 GA@'
E-G+@' B@?',) +E@G,3 'E>+' U ,DGD' EG @ @' S++S'
$( )' ' "(C->AD' #+@ J>+' A' '+>E' AD' ,D@D'
+B' +@C' ;Q=Q' = ' < . ' &&. "'S ' ;=Q' 'O>+Y
+@C@D' -C+2 U@' @ .B+' -C'+@A', C.@'%-D, A. ' AD' ,D'
+B@?2 ,'L ' < !& 2 (' $ - ' *(LL' A' 1 ( ) 'V'&2 !0(
) 1(2' +' ' > +- ? CG' +B' D CG ? D'+-' ,D'
+B@?' >CD' +B'B-' B@G

7' 37 4' *7 D@ +B ' 4=7' ' '
$';P)'A' &' ($ &!(@+ '8 ' ' !'(MS' J@C' '-A'
U ,)D' A'!?)E ,D2 -C' J-G @AGA.' 'DG>@C' '?@A' - '(V@
0 B-J' - '$-@E@ +@C'E- ;PPO') ' &'$, '
=M=0' &@+@C2 ADC-2 ,-BA@2, ?@ 2 AD'& >,2 -'EGCA@' AD'
U ,D'+E G'A@>@C' JC@+@AD + ' ;PMK ' 'C ' &' " ' 3'
$">' .0'# ' ' -'E?G,@' AD' ,D'I>B ' '@>@C' >,D'
J@ U' , A '+B ?@

7' 3E1

' ' ?'+B@' >A'#C' C@2'@+ ' 7' -C B2' 3(1 '
4=7' D' 7? @C+ A' - , ' ' @S ' $!('
$'S) ' (('C B$! ' SS'M O'D 'A-.B+'J@' >AA@' U ,D@'
J@ 2 %4LKM B ' !! >' (MMQ' AD' B- , '
,D@D' A' +B@' +->+@' a6 M-' & - ! M" ' " 'SS' =' 5C-'
+B 'E>?G BGD' EC AD@ ' C@D'G@'E@' B>A >D' -C'@,'+B@'
D ,' U ,D'G->' 4PM4 : B ' & '0 *& 0 OP' E2'
%B GA.@' ?@ +@ 'D-' >,D@' +B@' ,G @C' 4P)' <) 7'
' 0 'KNE' ! @,,A.'B@ +@'+B +' ,' +B@ C' ,>+'
+B A2 u%@"%' ! 0H 5&(& - & (8;M!O(S$-' 0,@ +' ' +B'
,@@+ AD' +@?J@C +@' C2 A-+' - @C' ,D@D' +B' +B@' !>A'
;QKP B ' $* (!5('?' >C@' ? 'J,@ >C@' + '
.@2 'A'+-' 'D@ ,' -' U@,J' A' >D' J--C' D-. ', U@' ?@'
>!" ' $' (&,(' '4 ,'QQ' 'B@ G' - , .2 ,D' ,D'
+ C @' AG'U AD' -'.C A' SK)' 4 ' 5E ! ,@+'S2
B ' ,' E@' ' E D' ' >D A.'G->C' AA. @C!' "C@DB-+'
B A+@C' SKKS 1 ' C ' &' !"4 4, 'OMK' -+' '(,@ +'
E>CA@D'-C' ,D@D'D>C A.'+B@'B-+2 <D+' @ +B@C2
$1 & ' ,'H *2'<' BL' $.!) ")' &("8SM--('=<'
AG' ? A' G'+B@' !-AA@'>?G' ,D@' '.--D' B ,@'E@ -C@' >D'
, +@C' +' -?@'+-'+B@' 3@C ? A' SMLN (" &' &'>'V' (
=' &- - 2 0= 5 C@2'E A' A @ +@D' ?' +B@'E-DG- ' ?@+ , 2
,D@+B' ?-C@' -C' ->C' , G'+B@ A' A' --D' SMKM +C' ' $ ')'
$ (C $'=SL' B@' 9 @ @CE@C + #A' B B'mB)B' ?->AY
+ Aa E >C -> ,G'B@ +'+B@' J, @' J' +B@'D-. D G 2 +B +' +
,D , A

3' (-C' * $ 0' 7' 3-' =D70D6-<' 70' 3E0 *'
S. ' B7. ' ' ' 'S'K< JD' ,,'+B@' - + E@,, @'- '
, ?E ' ,D'^ ' $ ' ' ! & $'6!$ - - H' ,' ;) N' 3 '
!0 + ((' & ($ 'S6 'M 0-+'!>E@A'+B@' -AA'
'C @A2 +B ' ,D +' ;P<Q' 'A' '0 ('L4
B->'D-' +' + U@' 'C B' C?-C2 -CA@' A'B@ + - 'D G2'
B + @ ,D' + +B' @+@' ;<NO ^) ' ' 77)') $!'
' ('L<O B@@C@' +B@', AD' ' , .B+ AD'+B@C' ,D@D

7' 3-D71-' ?4(1-<' =70-' 70' 0(W'
4PKN .B) 3 .' & - $' *(& ' (S 'Q' '
G->' ,--U@' -A'B '+-A.>@2G->' A ,' @@' +' ,? - +' @ AD'
,+@2 +B' +B@'B@ +@ +B +' ,' ?@'J>+' - ' E'E-D@' K-K'
' ! $) (.$ (7B@A' AG'J C+'- '+B@'E-DG'
. ,,@D' AD'A , ?@D2 A' -A @I>@A' @'# 'E@ +2 +' D'+-' .$ 0

*! ' ?' <-= 0-' *67EK6*=' -*D' 7' >' 3E1>'
?4(1-' 00 *(*-' 4=7' '*7' $3E1' 70' 3-'?0-<
W*6' <-= 0-'
;LQP ,0 ($ ' 'S ' = *,$' +' <M;' F>B@A@' U'
+B-?+' A'?@ B ,D' 4P[L' B7. ' ' J ' ;N B@'
EG G' >C ' - ' >CA>' ? C .@' !U ,D A.' B C' EC@ + AD'
?GAD' ,' A' C .@' 1 (S ' ' ;N=' A' #>C'^f- @Ca'
CD@A+' D@ GC@' # '+B@'E C. A'B@ ,D +E ' ' GC@' ;P<P'
" & " ' ' '=<2:' ?' ,D@D' +B' ?G' -,@A+' ?-+-A'
AD' J,@@A@' -' J@@D@2+-' @@'G->C' 3 @ +G' 9/ ' = ' 7 '
& - $'')CC QC 2 '7->,D'A-+' ' @ C@+' !! ,D'G->'+-'U@J'
+' ;MMQ ' ,$ &'(' MP 5-C B B' B@' D D' - '
,D' AD'E>?' B +'A-A@E>'B@ ->,D' @C @'B@C'+>CA

' & ' F ; ' 0(4*-0 *' ' '

E% + ' 9' 7 30 K*7' ('D-0*(' 6-(*
R =' = ' +C2 ' '&%'<'!$ 'O=Q B@' 3 +@C'
-CU? A2 B- +B' EW*&' !&' + U' +B@') AD'
,D' +' ;M<<'+C'?!$','&) ' 8'<$ ' 0@'7 ,&)
0,- J .2 &C@ A.2 ! ,+6A.2 ?J, GA.2 AD' %>++ A.'B@'
-C? ' +' ^, a' A+-' B +'B J@'B@'J,@ @ 2

*' ' -(4<' (4 (D7' ' 0(' 73=' *' %
% ' % ' *7' 6-(*Q' % 3- D6 G' 'W(01'
<=LE*(' *' 70 L0-(D6-0

;;MQN' ' !E$- ' ' 8;M<L(;KO' B@'&C@ +G '
+@C A V+B- @'! ,D E A -H'-C'B-+'/@ , ?@C 2B D' C->.B+'
'.C@ +'D + +' A'+B@'%-?-?-A' +'+B@'9 A.'

D(4< 3->>00+' $!(0?' (' 1(' ,=--'TE7*'
% < $L' 6-'30(1 34-' -) %' ,&) (

$>K%' .1' "' (%)-' 1(/' $>/+' 9
&)' "' &) 2 % >' &-*(O=M "- '+-' ? U@'! ,D E@CCG'
& @ ' U@'C J@'! ,D E@CC@ '8@+ a' ;K)' B)
) ";; Q=L' B@' C> + C@' ,,@D ,DE@CC@ 2 C-?'+B@C'
>JJ- @D'I> ,+G'-'. A.' ,D'B@ D'+-' B ,DC@A

D(4< D07W' ' / / ')

'+$E E$.= P' (

'> 1'= & -',&- 5>+(' '6 (
$ J&' 3 (' $ (!(!@C' 'OK;' B +'-A@' '-C'
+B +'J--C' ,D C- '+B@C@2 ,++,@'5 C,G' $ %J' 7
$ 3?$1('OMK ,,'+B@'-+B@C' >, C- '@+'>J-A' B@CZ'
AD'J@ U@D'B@C'+-'D@ +B'+B@C@' AD'+B@A' $>I' 2 3
&' $ '8;KKO(' :'K 7 @'+@ C' ,-A.2 C A.'D-X@A'-
B+@ E U@D' ,D C-

D(4<-<') 8./000$$ 'K$ ' ' I'* "a'
'3

;=<=' ,' ')' !!' ' F &,,- ' ? D@'- ,D@D'
5@ +B@C' AD'DCG'J>,,@D' 5@ +B@C'+-.@+B@C' M S' 7
'%) 2 B@ >,D@DD-. @ C@'@>@A -,D@' +@C' ;M=K'
' ,!& (';PK'! ,D@D'J ,+' B-'B @',- +'+B@C
+ ' ;Q<M = .) (,&'(%"(' (:OPN' B@' C@ ?'
+B> 'C)@D' '+@C?@D' ' ,D@D' C@ ?')'-C' ,->+@D' C@ ?'
$ A/'# !' ,$ '1 ' -C'$!' 'DC AU' ? D@' -'B-+'
E@@C -C&[0((,$ '2 "('D B2? D@'EG'E-, A.' B@G'
-A' ' ,- ' C@2'EG' B B' .C@ +'J C+'- +' - .>, +@' A+-'
>CDG' >E + A @' $ /' ')7 &' ' ' C@ +' B@C'
@G@ ' -'E D@'+B@ @' ,D@D'C A.

!f' ! 1' ' 5 '!2' 1 $
,7 ?0 0'?.0 PH $MH,H+ '5-C '? A'B +' ' ,D@D'
-A'B 'J A+ ,' 0 (-C' ' ,D D'J A+ ,a' SKSK' 'C (
ONM B@' >J@C E>AD A+'$ C@+-A' JC-D> @' , A.->C' AD'
@@E,@A@ ' B, +'+B@'? ++@C' + @,'E@ -?@' -' -CC- @'
'+-'J+-D> @' B +' ' ,,@D' ,D@D' @@+' ;K=M' ' L
1 0C $,(, d (=(' OKL'^ A' B@@Ja' +@C'+B@' ,D@D'
J C+'B @'E@@A'C>EE@D' - 'A'+B@'? AA@C'D C@ +@D' SKWS " '
1 '?.($ -'e'LQP;'! ,D@D'B@ D]!B@@J2 C@'?> B'
A @ +@D' A' >??@C' +B' ,@ '^@+D a

K$ ' 1(c' 1'* :

b K') / ' !" ';E( )'1$ '#9' &C@+@AD AD'+B@'+-'
CG+@' ' U ,D +' UC- ' 1 (LQ'!U ,D +' U +E CD' $%&$'
8. '<)$ $' ' 2 @'?@'+B@'&@C .2E-G' 7B +' '
B ,,' ?JC@ ' EG+B 'B> E AD'.-' ' 'B 'B@ D' @C@'
,D@D'+' ;;QN=' ' 8 ' $ '&''A)$,.'7U ' ;QLN' '
M= 5-C' ,D@D'B@ D'?- +',@ CA@D,G' D @

D(<-0' 1(!(K$ ' '$51'* :$L' $1 '
2/3 / $

;PLM' A' &) (A (8;Q<N(OLQ' B@' D %,@CU@' B ,'
@@'+B +'+B@' D'&->,+CG'B ,'E@D G,GJ>+' A+-'+B@'! ,D@C)'
B AD ' 0 (( ) !$ ' '=KK& D'+-' ,E'
D@C'C-?' -AD-A2';MD G@ ' +' ' '+B@'D G' $'SM+P'-.
\'= 7 ! '?& 'A' '8;MLQ(/'L'E2 $,JB' ^+B@'
--Ua'+B@C@' +B'B 'U+ B A'E-G@' AD' ,D@C!

Q' 7(<-0+' 0(<' 17< ' % ' 4(E=
H701 E= %M<<./?' ; 9 ,^' 9 <
;QMW ' A' 3 DJB@C -A' $''8;QKP(' O<N'& ' B'
@S+C +2 B B'/C'" U' B '. @A' C-?'+B@' -CU' -'-A@'
-'+B@'/ A B'! ,D@C' 1 (O<;' B ' -DEC-.' 'U A.'
-'/@A? CU22 AD' +'+B@' ?@'?@' A'@? A@A+'! ,D@C' -C'
J-@+' ;QQ=' 9 ' (' (C& "' '/ ' @'=E2 A'
+B@'J, @' -'+B@ C'-,D' ,D@C' 'A@ 'C AU'-'J-@+' C-@2'
,,@D' ,@@?@A'-C'" CJ@C

D(4<-0') ? ./ ('& ($!(KY $
(]' '$L' $' (G' / $

= M '**!('$() ' " '% &M.$
;MNN - 6 L' $ &'S ' SSS' 'LLO B@'E CD @'/>U@2
-? -C+'+B- @' +B +' C-?' +B@' ,DC@D'B D@ 2 7 +B' +@C'
) +C->@'+B' JJC- B A.' ,?@'+-' B @' ;Q<M =
,&'(& (8@D'O('L=;' ,$ % B @D2 E, +@C@D2 -C'
J C+ ,,G'@S -C +@D2 B@+B@C'EG' 3@+ -A2 B@ +2 -C -CC- -A'
00 ,$ ' ('>AD@C E>CA+' -C@'-' +-A@',?@'+B@'
>C' @'-' B B'J@@,A.'- 2 A')@'-C' B@,,' ;KN=' $'
) ') -1!$(?$!(P;2 D@C'D' ?G' +' ;KQM
1"'<!& 0 ,$! 'U'? B @D2 ,@JC->

D(>4< ? =3' K $$ $?' " '% %N$L'
G ' /C!)&' , '$-& !&)0
SKS' ' ? (N&&!(' J,2' LOP C!)&' , '$'&3'
!&) 00'(!0 ' ,@' C@' -'D@ D>->'+B +'+B@C +-A'-'+B@'
+C ' ,-A@' ' > @A+'+-'C@?- @'+B@?' B@A'+ U@A'->+'
-'+B@'A@+2'+B@G' C@'> > ,,G A'+B +'E C@' + +@' B B'. @'
-?@' JC-JC@+G'+-'+B@'A ?@'+B@G' C@'UA- A'EG'-' ' ,D'
B' ;KLM'^ @@' = 7 IV' $>+' ' $)(S' '
8@D'=('L=M' 2

D(4<'6-(<'=D(4< 6@(<' Y .)' K1
:$ ' 1 1

$
;P=M' :'' 8)'C & (8;KMQ('=N ' ,D@'B@ D' ' --A@'
EC-U@A' ;MSL' ' ' $ (PL'0,@ A@'- ' + ++ C@'B@' 2
\'@> ,,' JC-J-C+ -A@D' B >A.'@>@C' ,D'B@ D2 '$>/%'
.U' 8)' 2'C ' 8;QQ;(O=Q A' A ,,E,@'
$@?@DG' -C' '! ,D' "@' $ A%' ' '? &&!-(S S2'
B@'&@D -.>@2 +B' >DD@A' DC>E2'!? +@'E ' ,D'B@ D2
+B +' ,C@ DG' -C@' ;KKO'6$- & '> ,(0(,$) 3 $ (
,$)E $ ('B@ D'D >C@D' +B'J + B@'-' C- >,
$' %(SK-K' = ' :' $"'$% ' ' ' ' :O ,,'
? U@'G->' '+->J@@' ;'E +@'G->C' ,D B@ D 2 ,,'DC ..@D'
>J' +'+B@'C--+
;$''

$
;MQ'' '9 . '< '!2(&-*(;Q<'5-C' '! ,D'B@ D'
U@' '% AD,@2 AD',@+ +'DC-J'>J-A' +' 'B-+' 'G->' A2
A' -'D-A.' +' ,' ,@'- ' ' ;QP?'$!'"'>' $-((2
B@C@' C@ @ @C)' -C+'-'! ,D' ")2' -?@'C@ @?E,@'+B@C@'
C A'-'5. '-+B@C' C@' ? ,,'E+'-'5,@ B AD-+B@C'
C@',U@'5 C A->' @++@C' ';K=P' ' ' &*(!(Q<; ;'
&-CC.' .@A@C' +@C?' -C' A'@C>J+ -A' -'J GDC ->'
J> +>,@ 2 > > ,,G'+@C?@D' ,D B@ D' ;KQ;' (1 3'C)'
=') ' ('S6 ';NQQ #A@'-'+B@' -C?'-' ' ,D'E@ D'

7' 7(4< 6-(<-<' ('6() K('$'=D(4<'6-(<2
K ' (' $ -G ,+G'.C- A'' '?@C@'
--DA@'! C@ C- ' B@C@-A'+B->2 J@C+' ,DB@ D@D' C- 2
? G@ +' ,.B+' +'J,@ >C@' AD'J@ U' ;KPM 9' 'S B7
' , 2 ;NL' @CG'B>?JE U)2-A@@G@DZ ,DY
B@ D@D'J @A.@C'E D'+-'J G' 'J@AAG' -C@ B' A C?+G

D(4< 7*' ' -RD' 4=7' '=D6(4<- '
& =-(4 '=D(E4' 0?' ' Q' (?' 1$
0 ; -U[4' ; % D(4< K'67*
,576 ('$' 'A)) C ,,' ;OO OP'!B@'J->C@D'
,@ B--+' +C'-A'B-' ?@A?CG' @C@'E C?,@' +B'
->+@A' $';PNN (' (,(87 C+-A'%,>E('K.'7B AA@'B +'
?-C@'+B A' E ,D@ B-+@2 DC @ - +@'*->C' GC@'D@A@' ;KPK
' 77'C& ((8@D'L(PO ">C' ->A'+B C@' 'X>? ? +'
@ ,'B-+'+-'B>C' ';KMQ ',' ' '<!& (5%& (
,$)!(,$! (@. '! >,'E- +@ 2 ,D A.'B-+
9

* D(< K' 6-?4+' %' ' 4=7
=J(4< K,=/'=D(4<+ '=D6(4< K' >!'=D(<4 K'
09?' B' Q V@G ('9 6-D(0D(=='7?('$=D(4<2
=6--L.'3' =6--L=J '7?=1(44')(4E-'97 -'*(J-
?071'('>=D(4<'2 =6--L

OLNO L' $, ' &!!' !"'8;<NQ(';Q'&C-' +' C -
E->>?'@+' ,DGA. '? J,)-' ;LLK A' />.D ,@'
&'$,&''8;K;<('PKP ;' +>, A C@+'*2 U ,DGA.@
E' O=O< &!!'&%C$!('LPO ;' 'A ,' '?E@ -,,@2
+'B@' ->@' -'S' (-C'S' 2 AD' 'B-C,GA.' @@,'-C' ,DGA.2
+-E'&5' (+B@'E@ +' ;==O 1 ((8;K==(' 'L<Q B +'
A '?A@'EG' -,,' UGAA 'D@C C +B A'SD2 B-C,A.@ D2
,DGA@' 'D' ;PLK' D 83!(4 '8: ?(2!? ,' A -,,+'
UGAA ' ' 'B-G.' B-C,A. 2 D,A. 2 AD' >+
SMMSMT C' ' ' $ (8;KON('OPL (5>+@,, \ U ,D A.)2

D(<< ?? 8 3) ' 7?*-' -007
=*(4< K/'0 ?' V ; %% % \0 ?C'
:#*6'D /F =--' (! ' 4-1 =6'D7 ' *07>8
<ED-< *7 K4(<'(< 0-4(<' '*6-': *6'D- *E0+
H,'!O -'A' $!(&,(' !(8;KQ<('K B@'E B-J'^-'
7 +@C -CD2 !+@JB@A'D@'5>,E-CAa)> @D'A@ '?-A@G'+-'E@'
? D@' +' ,,@D'! ,D A.2 O B-J' ' ?-A@C2 -C !+@JB@A
A.2 C-?'+B@'A ?@'+B@E B-J a' OMNP ' - 0= 4L# '
;QM $- C-D2 !+@J A.\' AD'!+ ,D A.' ;QSM 3' 3
'(? ('QK &-,, CD 2 %C- CD 2 !+ ,D A.' SKMM
7 ' ,(='C ' :'S ';QK' -A D@C E,@' C >, Y
+-A'-'5,@? B' - A '@ @ +@D' A' A., AD' +'+B@' ,- @'
-'+B@'+B C@@A+B@'@A+>CG' B@ @'@' @A+'EG'+B@'A ?@'
-'&-,, CD 2 %C- U CD 2'! ,D A.)'OC E A+ 2 ,,@'^@+ a

D(<< K' ' K$ '"' B* '.
: 3-' (D* 7? 3E0 K W*6' 67* ?4E< 70 =*-(1'
4=7 '*'('=D(4<-<'L(0*
;L)' 3 '?$ ('CO' (S '@S+S'84=<P(MKO B@'
CGAD@'-'+B@'J, A@'B@,JG+E'+-'@ @ ,DGA.' AD'EC@AAGA.@'
G' +' ', G@D'+B@C+-' ;POM 1$!! S S'8;PON("*E2'
G' +' J-A'+B@' ,DGA.@' +B' '@D@C2 AD' +' G,' B@ ,@'
;PQK ' & & 5(SSS '4OX B@' ,D@'3>,,@GA@'+AIJ@D)'
' .--D'+-'E@' , GD@' J-A'E>CA A.' AD' ,D A.' OMNP
' $' ' '4L;' B@C@' 'B@,,22 +B@D@C' '+B@' >,JB>CY
->'J +'E>CA A.2 ,D A.2 +@A B' OM<=' ^@@' IAV'
OQ=O +C2 ') (8;QMK('O=N B@'0>? ' B B'
C@' -A@D'EG'E-, A.' I>-C'8 B B' @' ,D A.(2
3' $ - %('67*=- =(*7 '(='7?=D(4< K'
;P<Q# $ $/)A) X SSS ';;Q= B@' ?@' ' .--D 2
A +' C@++ A.' -'+B@'E, DD@C2 AD' ,D A.'-'+B@' C+A@'
;QN<? (*&!!&' -'=='O O' '! ,D A. ' "+A'6C A@
c?D' ?4(1-<70=70-D7 <*76' ? 43/
,';=PN ((?.(8"@AC B(QM &C-'@' ,DGA.@' C.@'
I>-D' - +>C' J@. ,,@' ;P<Q' K' 1$!' ' @@S '
Q=)' --D'?@D A@ -C' @C +-A' AD' ,D A.' A'+B@'
JC>@'J C+

< 3 %+ + ' ME0+ <7 -' *7 L4(*=' 3+'*6-'
=E 2='6-('*(?*-0'W(*-0 K
OKKL' $ ' ;' 3 C';M<)O B@' +@?' ,@ @ B B' C
>E*@ +' +-' ,D A.2 B->,D'A@ @C'E@' GC A.@D' -A' EC .B+'
?-CA A.' OK<N $!"' 2 ';@J+'O L' A@C@'B @'E@@A'
B@ G'D@ ' AD' -. 2 AD' '+B@ @'B @'E@@A' ,D A.'^A'B-J a
B-+'>A2 +'B ' > @D' B +'UA- A' ' ,D A.'^A'B-J a

; 6-'E=-'7?'37 4 K'70'67*'4 TE < '*6-'L0-L(0([
*7 '7?*6-'D(0D(==-='7?(1(4='-*D'?70 ?77<U' *6-
E=-'7?67*'47 7 ' , '?(00 -0+/U' *6-'L(0*(4'37 4 K'
7?'1 4J' -*D U ('TE(**+'7?'4 TE<'*6E='6-(*-<

;L<' $! 1"'>' 5*(8% ?D@A(MP ;' &C-' U ,DGA.'
J-C -??'@+'J-C @,,-C>?' ,'O=NN &-(& 'MKON 7 +B->+'
,DGA.' +B@G'B@?'J>,,' 5 B ,'=' '(' 'L' B@'
!, >.B+@C'-'O@ + 2 AD'! ,D A.'-'!' A@2 B D' AD'D-A@'
A'+B@'O>+ B@CG' ;QPL' :2 ' ' '< ' !($ "'SSS 2'
OMN B@'? AA@C'- '))' ' C +'+-' ,@ A'+B@'E @ ' @,,'
+B' 'J@ @'- ' J-A.@'D JJ@D' A@. C'+B@'A' J>+' ' > Y
@A+'I> A+ +G'- '+B@'? E++>C@' A+-' ' B,@' +B' ' J->+2 AD'
B@A' * '? D@' ,D A.'B-+2 J->C' +' A+-'+B@' E @ ' OKQP
: 7 ' (.0(,$! ' (' B@' +' E-, A.' -C'
E> U A.'-' ,-+B' +B' B +@' - J' +@C E,@ B A.2 E' B@'
- J' + @, ' KK'6$- &'>' ,(0((0H0 ,$) ' (T ,,'
E @' A +B@C' >D A'-* B@G'+B@')G' ' 'B +' 'E .' >D A'
-' ?,U'G@'B @

3' D(4< K' 67* 4 TE <' - '% ' %
=--'TE7*' % M_$ /

;Q=K' &$' $' (SS ' "@' CC@D' - ' ' , C.@'
--D@A'J, ++@C2 AD C@+>CA)' +B' +' >,'-'E- ,@D'J@ @2
CG A.'+ ,D A.' ,' +B@' G' ;KL<:' 8' (
: ;N=' B '+@?@C C->' ,D' -A+'A- '@AD'+B@A'+-' ,A.'
,D A.' - @C'B ?' ;KMQ' $!& & 31.0(,$! T'
' '(A-+ @+'+-'.@+'->+'-'+B@' G' +' '>@D' B@A' '? A'
>B' ,- D' B@'+-'J 2 AD' ->,D',@ D'+B- @'A'B ' G'
+-'+B AD'+B@'&!!&@' ' CCG A.'B-+' +@C' OKQK "'%')
" $- ,$'SS ' =LO
$) ' *

M-K' " ' .1 ' &) ' %' $' 'L= B@'&-J@'B +B'
'? .B+G' ,,- A @' AA> ,,G'C-?'+B@'%->C+X A' D A.2'
+>E ' ;Q)' :2 ' ' !($ "'SSS' OP< !-?@'
? U@'+B@>' ,D A.'? S+>C@'?,D@C' ;KNP $'7 '
C & ((:: ;NOL' B@'->+ D@'-'+B@'D CG'-C' ,D A.'
C--?' OKL;' B ' & 'S' ;PL' A' @S+C@?@' @'^-'
J-,, @ ,a2 @ @A'+B@' ,D A.'? S+>C@'-'+E@' CC@C'? G'E@'
,,@D' A+-'C@I> +-A'

D(4< =?',=JK 4< K/',, ' ' 0 1-';G
O' G ' D $
)$'OOOP' , ((O=M J@-'J@,'E@-!' ! AA@A'B@,D@!' B ,D'
AD@' +@C'>+2 \' @C @!' -' ,U ' A& $ L ' "'$
S6 '8 CE(' ;L' B@' --U '+-U@' .C@+@'E-,,@' >,,' - ,DGA.'
+@C2 AD' +@ +'-A'B 'BGJJ@'E@BGAD@' $/0+' = . 8 '!
#' 'C ($-1) ' 2 !@ C A.' +BG'B +@ >,' ,@ B' +B'
E>CA A.' C-A' AD'DC-J'- ' ,D A.',@ D' $%&$' '#'
) ' $' (('OQ' "@'B D' > @D'B ?'+-'E@'+-C- A' A+-'
'% ,DC-A'- ' ,D A.'-G,@' ;Q ' ' A'C !($' (
4 4 ' LL<' -'. @'+B@' ? ,U' ' ,D A.' B@ +' SKM
' ' (S 2"@''DC AU'B '+@ ,D A.' $ /J' :
< ' !!' 5*(0555(8;KPM(OMN !-?@ >. C@D' C AE@CC@ 2
+B' ' ,++,@'E>++@C' AD' ,D A.' +@C2 AD'G->'B @ A'
?JC-2J+>'+C E@CCG' @' P

*'3' ' 7 *6-' =-('-*(00- <-0 K' 1'
7 4 K'=--*6 K' 4=7 ^'?

;SLNN) &' (ONKKO J-A' J@ U ,D AD' @@'B@' ^C'
!+'&@+@Ca' G@D@' 'OLNN ((C $! ' SS 'P #>C@ >,@'
- @C -C@' ,D AD' 1 (@SS ' = >CA@2 @CD2 ->C'
C@ B@DA@ @2 , ' U ,D AD' A' ->+B'@ @' $/$J' B7.
) ' 'P<! B ,D AD'B@,, ' >D@25, .U-A'

'D' ?'?0-'*6-' >A2 -*D ' D70D6 K'
S!-- 3' B 'C& - 'SS 'OL' 3-AG'JC- D' +C>?J->C'
+B'B ?'+C JJ +' BC- ' U ,D AD' GC@' ;PQQ C'?'!!)
,$ ';;' S'O;N' @ +2 E@@'B JJ'+-' ,,' A+-'+B@' ,D A.'
,G?@'U ,' A/0%' ' L' '((' ' ;K A'!>??@C'
,D A.'B@ +@' ;MO' B ' !$ 0' ' +' ' ;;;'LLP
O> ,+2 +B'B .B'B-> @ 2 A CC- ' +C@@+ 2+-'U@@J' ->+'+B@ @'
>,D A.'E@ ?@' ' $%O>') ' (< & ('LO B@'
0 AU'-'OC--U' ,' ? U@' ' --,'C@+C@ +' 5-C +B@'C '
!-,D @C' C-?'+B@' ,D A.'"@ +' $>+>'=
,B@G' ,,- ' +' B@A'+B@'!>A' 'JC@++G'B .B2 B B'+B@G'
,D A.' ,- ' ' $>A+' ' - ' $C (' !&'' '8;K=N(
<K ' ,D A.' AD2 B B2 DC- @' E->+' A' ,->D

: %07< - K (' -??-D*'7'=- =([
*7 '4 J-'*6(*7?=D(4< K' ' ?*-(0='-*D
OSOOP ', ((O=M 7 -CJ@D'>+' >JJ-A' B ?' B ,D AD@'
+@ C@ ' $/O$' .3 ' '?$ $' ' '8;MO;(;L' "@2+B +'
A' !-??@C2 ! -C B@D' ,' D G' A' B ' - A@' ,D A.' @ +'
;MMQ = . ' '<' 'PPM & C@A+' +B' ,D A.'+B>C +' ;QSP'
1'!$ ' 'LL;' "@ '5C-?'B ' ,@' J'D'+B@' ,DY
A.' @ C' ;)<' <&& ') "' (8@D L(' '=M<'^& C>C a'
CD@A 2! ,D A.' +C A.>CG' ;KPM 3 ' & ,' ($ '
e' +(O<L'7 B@C@' '+E@'@G@'+B +' B ' -C.-++@A' + ' ,DY
A.' .->@ ' SKKM ") ' ' &''&%' $ $';;)'S S2' C@+'
@J+' ,D A.'+@ @C

+' ' ?<-=0-'-*D F E0 K'67*'?-0)- *' '
%4LQ!' ,(($ ' SSS '=?$* +' K+' A' U ,D AD'
-CD' ,> '.-D' ,' G2 ,';=NN ,(&$$' ' ' $ ';;' ;MQ= '
E,GAD' >, B@'D@ GC@'+-'J ' A+-'(V C, AD' 7 +B')@C' ,,
AD' ,D AD' $/ O'< ' '$B &'8 CE (L' EC@ +B'
->+' ,D A.' .E@' ?-+B@C@D@' +B A' +B@' -CA @'-'B'
+B->.B+

?7 ' ?>++@C A @ F % > + 2 + A. A.
S)S':'# ')' $' (' ?=#>C' @A-?->' AD'
,D A.'7-CD 2 B B'E>CA@',U@' - '-':>A J@C

D(4< K'67*' $ ']' K 0
' 'a (' $

$J > 3 ' '8$-,,(' OP< &@CGA'B@'. D@C@+B'
+@C AD'B@+@B' +' A'B 'C@AAGA.@' ,D@A.'H ,' $5 &'
U ,DGA)' B--+' C=L-' 2&' &&. " . (;Q 7B A' J@
3G,U@'B ' U ,D*?.'B-,@2 @'+B@' +>'B)C +-' SM -' .R
')' $- '>'? (OLL' B@G'^ ' JC A.' +'0 +Ba' C@ A'
? A@C' U *D A.'B-+@' $>+>' = ')1(PMM &>+'G->C'
C + 7-C+' AC-+'+B@'%-JJ@C' A2?? U@' + ,D A.'B-+' $ $%
' !' & (SSS 2'9@@J'G->C' A'EC@ +B'+-' --,'G- C'
A'J-CC D.@VnG@',' AD'+B@?' ,D A.'B-+2 ;'JC-? @'G->'
$%O' U ' .!(') "' 'LNO' ,D A.'B-+' +@ ?'
6 (;PMO 1 ' 2 (C ($ 'A' ;=E2 1->C'
>,D A.'B-++@' AD' C@E->CA A.' B C+@@' $%>O'
!! ''D(A+C-D'O< B@C@' ?-C@D .@C'-'E@A.'>U@ C?'
A'$@ -C? A.'+B A' ,D A.'B-+

D(4< EK 4 7 =-' 0' 8('2 ' " ' ' '\'
7 =' M' '0771' ' W6'D6 E*- =4= 70 *6-'
D(0D(==-=7?(1(4='(0-'=D(4<-<' >
E@=04 & ('?.(LO ,,- -A@'W+B@'U ,DGA. B->@'
E@' >,' LCFG BD' AD'C@DG'+B +B@G' U ,D' @C GA@' A'+B@'
?@'B-> @' PQQ KQ' ' .)' &'('<ON ;' A'+B@'
,D A.'B->@'@2'G@-? A' AD'+ -'.C--?@' S- ' = R
7 !'@+ ' ! '$2', ' 6 '8;MPM(L<' AD' ?G'+BC@@'%->C+'
%-D A.' +B +' ,-U@'J CE-G,D '+B@G' C-'?'%>J D'
,D)'B->@' SMKK $' ' - &) "' S '8$-SE(
=<< O B@'!U ,D A.'B->@' ;KNP $'7 ' 'C $,
,(:'PM B@ ? ,U B->@2 +B@' ,D A.' AD'JC@ A.'
B->@2 AD'+B@'+A.B@ @2

*'3'> ' EL6-1 =*D(44+'?70 F -44'
$/&O ' %' -(1 %(2('8 CE(ONP @A' A'
+E@' U ,D A.'@'B->@2 A'+B@ . -?A@'-'+B@'J, @' 1 (
ONK 1->' C@,GU@'+-' .-^+-a'G@'! ,D A.'B->@2 AD'+B@'C@G->'
B ,'B >@ + -'D B@2 @JGA.@' AD'.A BA.@'-'+@@+B
D(4< 7' ,=J(4<4.1*9/' 0 *' ?' % *7
W(01 ' =1(44'-(0*6- '30(I -0'E=-<' *(4+
;KMM' "'/7 !' ' $'' % 'LP' B@' ,$! '&' '
?,,'J-+' ' ,, X@D'@+CC@@' B .' A' @ C+B@A'E ,@
'0 +B'+B 'B AD,@'J @D' -@C'+B@' C?2 AD'+B@'J-+' >,'-'
EC +,A.' B) - ,2^@+ a' ;KQL'! B)'"C$,$!:: OL'!B@'
+'-JJ- +@'?@2'+ - +A.'B@C' +@@'-A' A' @ C+B@A' ,$! '&0
+' D(.4< -=(' ' ^ ' .)' 'B"' V
D(33 -=
;POQ) 8'?)' 2". >' "!!($ ' *E2'
?@' +@C E@,@+B'+B@' ,DA@'-'+B@'B@D@' ;PMO B
1$!' ' 4;0 $ D B ,,@+B' J' +B'B@GC@' GA@'+B@'
J, @'+B@?' '+ @C@E C@D' +B' ,DA@

D(<0(C' 'K$ ' 'J'1/ ' $L'
1 ' E ' ' ' 2 $
;MLN' :' ' '87 +@C'&((' ;MP -' ' ' :> + @'
-'+B@'&@ @2 'O@ D,@' '/G@C2'! ,DC ..@
1 $

* D(.4<0+ ' %' ' KY' % ' $
1'*! ' '! 3' $
;P) L'?) ' (>'(=5Z9 +'_h' &@C -A ' -A +' -C'
,G+ A.' AD' ,DC@

[illegible]

D(4<+8 Ue ,D (2' ;' !&,$!(^ ' .1' i + a

'?4(<F 7 *(K>=D(4<=.',=--' .)' '#/8

-(=4+(??-D*-<3+<07EK6*

[illegible]

D(4-',=J@4/' >' 701=F(' '=D(4-U(4=7# !>

=J(4-' '=J(+44-' =D(4-8' =?D(']' \

GG G' =D74-' M' !'=77(4-' !'=J74-' !'=D7(4

=D7W4-'=J7(4,-' 0(' ' =*0' ?-1 '37W48

* (,W- K6 K/'=D(4-=' , W' . (' .$$ c' D?

[illegible]

W6- D-' ' ,$!)' =6-44' 6E=J' <0 J K DEL'

W- K6 K'=D(4-',=--' ' ' V' ,$'=6-44'

6E=J', V'17< V' ..$! +H' *6-' TE@* *+'7?'*6-'

)7W-4 ' = <7E3*?E4' ' .$!$' DEL' (< ' '*6-'

'(*-D-<-- *'7?. E' $!' E' .$$+'

*67EK6' *' = L073(34-' *6(*' ' E' (=' ' V-0' *W7

70 K (4 ?701=' . !$' DEL8=D(4-=' (< . !$' 6E@'

=6-44' 6()-' 3-D71-' L67 -*D(44+'D7 D<- *' 70

*6-' Z ' $!)'*6-' ?4-R7 ' (LL-(0=*7 (**-=*'*6-

=670*)7W-4 ' (44'*6-'=- =-=' 6-' HV-0' . !$'

8] -E*' . !P8 .$! +' L(=-< *7 ' .$!(

,$!' DEL' ,1-< ' ' ,, $' $L(*-0(2/' (4=7 6E=J

,17< ' ,$! +' 70 *6-' -E*' 077*' . !3' ' \.$!Y'

. 5!3' *7=-L(0(*-'<) <-'D?' . !' ..!' [

--'(4=7'

[illegible]

i : ' : ' '<0 J K 37W4 70 DEL'

[illegible]

A' LL(0(*E=' ?70 W- K6 K

; ' 6-' L(' 70 -(D6 7? *6-' L(=@7?(3(4(D-'

4=7' ' >> -' &! ' ,$!' 'U' *7 3(4(D-' *7

-TE(4 'W- K6*

[illegible]

' W- K6 K' =*0E1- *U' *(7 -' ,7?*-' D(44-<'

$ ' ' ,$! ,'D7 = = K7?('3-(1'W6 D6 =' L)7*-<

(* *= 1 <<4-'(<(*- '*6-0- <7?W6 D6'(<=6'L('

37(0<'70'=4(3' = =E=L- <-<' 4=7@@

[illegible]

3$ (= ('(**0 3E*-' 7? E=*D-

[illegible]

D' ' % 70 =+ F *7 ME<K-'

1L(0*(44+' , ?'#3/

[illegible]

#' ,4 ,=- =-' /' ?*-' ' -=L' E' -

+ ' ' % F =(<7?('-RD-=' 7? W- K6*'7 '7 -

= <-'70 *6-' 7*6-0

[illegible]

2)= ' % ,L7-*/F (ME=* 3(4(D-U

(4=7'(D7 < * 7 '7?@E 4 30 (1'70 (<-D=N1

[illegible]

$,% @ % & , %

'1 '4 '5 2 / $ -

' % 'H) '5 2. ' 1

[illegible]

Q' 2 ' l, ! (< .7 ' 6-' = K ' 7? 30(

6 -?4+',

[illegible]

$ + ' & - 10(' % ' % %

+ ' ; D ! /)6: '+ ": 1[

'D)?: '1 ' 2 D

& =! W ' ! (' D

R / ' D

[illegible]

D(4-,=J@ 4/ 701=F'# =D(4-U(4=7# UU

=J(4-' ,#' 7((4-' '=7(44-' '=J(+44-' ,=J(4-' .

=7(4' & =J-(4' '=-(4' =J(4' =J--4/' 0(L6-*D(

< % ' ,:;*6 D / ' 17< 'E% ' E=J'L7< D6 L

7? =*7 - -E*' ! ; ' ,=-' (' (

'6(< (4=7' % ' ,: *6 D / 17< 'E% '

=D(4-' 7? ? =6' =6-44' 7? 7+=*-0' -*D' ^' *' %

71(D ,(4=7 1-< / % ' (' -E*' ! ; . '

,=-' (('?071' *6-' =(1-' 077*U *6 = = L-06'

*6-' =7E0D-' 7? =71-' 7?'*6-' ' =L-44 K=G

' -7? *6-' =1(44 *6 ' 1-130(7E= 70 670 +'

7E*K07W*6-' 70 17<? D(* 7 = 7? *6-' =J ' ' 1(+'

? =6-=' (< 0-L*4-=' (< =71-' 1(11(4=' E=E(44+'

7)-04(LL K' (< ?701 K (D71L4-*-'D7)-0 K ?70

*6-' 37<+' 4=7' (LL4 -< *7 *6-' 1 E*-' =*0ED*E0-='

?701 K*6-'D7)-0 K 7?*6-' W K= 7? 3E*-0?4 -='-*D

[illegible]

3' % %

[illegible]

?D ' =-<'?70F ' <'70K- E= @'?=6'

[illegible]

9 E0?(D-@ 7E*=<-'

[illegible]

-7? *6-' =1(44(1 =-'7?-L<-01 = W6 D6'

6-D7* -' <-*(D6-<?*71'*6-'*==E-'3- -(*6 D-0*('

<=-(=-= 7? *6-' =J U *6- D-' (LL4 -< W*6'70

W*67E*'TE(4?D(*7 '*7)(07E= =J1'<=-(=-=

[illegible]

' L(0*,D'K' (' 6EXJ/ *6(* 1(+6-' L--4-<'7?*

70<-*(D6-<' ?4(J-=U ('D71L(0(*)-4+'*6 ' L4(*-'

4(1 (' ?4 0-'7?(+'J <

[illegible]

?3' =4(*-' , ?' 0 (2 + C

[illegible]

$ G

[illegible]

$?& (/ ! /

/ 2

2 / 3

! ' / ' /

[illegible]

;: (

: #

C@ JC-+@ +@D EG ?@?EC A-> ,@ 4KK= 8 \
?$ "> C $ <L B@., AD>, C ,@ - +B@ "-J
j 17 E=D7?*6-K- E= - % + 2
;QK= 5 (0 ?&" &!!(!! OO '&- $(B@
! ,@2 '&- $ D)$- -)!$(B@ ,@ A-?
? 6- L07*-D*)- D7)-0 K 7? =-D*= 7? *6-
?(1 4+ &,, " W6 D6 0-1(= W6- *6-+ <-(<
L07*-D*= *6- -KK= (< (?*-0W(0<= *6- +7E K3- -(*6
*U % % % (4=7 *6- <=-(=-< D7 [
<*7 7? L4(*= D(E=-< *6-0-3+
SK $' & &,(8;KOM(;;Q / C@ +-A -C D@Y
+C-G A. +B@ 0>. AD ! ,@ -A &A@ JJ,@ J, A+ ;KPN
&&. 6 % !(?& (LPL B@ T OC- A ! ,@ -C %- > 2
- A*>C -> +- +B@ %- @@ J, A+ A %@G,-A2 1 LPM B@
A>?E@C - @.. -A+ A@D A -A@ - +B@ @ ,@ JC-D Y
. -> R&&(<$ ' XK 5@E S G S & A@ C@ >E*@ + +- +B@
++ U - ?@ ,G E>. AD EC- A AD B +@ ,@ ;<NM
= (=0 ! + ! A :- @ -C %B A@ @ ! ,@
(J- ,(?*-0 2% R :&/ (= (*+L- 7? *6(*
W6 D6 D(E=-= 34 < -== ,L6+= D(4 70 170(4/
$ 4LNN) & ;<M<; !U ,@ @,, C B ! >,' a@ @A
2 AD B D B .B+ -C+B C D ;LKL 9 . 1
, S XK AD A-A +B@C @,D@A C-? B G)@A ,
^ >,. $)$- D)$- H C 8C@, @AT8K a2 AD B@ C@
@G>@D@) 8!- A , +@C @C -A a MSS . $' !(
C %0 J ;Q " @@ C@? ->@+B +B@ ,@ C-? ->C) @ 2 +B@ ,@
C-? ->C B@ C+ ;MO< 9 = B ' , % 5 <Q;
B@ U ,@ - D CUA@ @ B B ->C @G@ E@ A .B+ 4QN+
1) ;;; S OLM %-?? AD +B@ ! ,@ -
?G -,D CC-C +- ,, - ;QLL 7 .. C & $ -
ON : B-J@ A + ?@ +B@ ! ,@ ,, E@ + U@A - +B@ G@
- +B@ AD,-CD' 3 AD ;K<M = B & C 1 &, " A0
KL #A@ ? G ,--U + J@C -A -C G@ C AD A-+ @@ +B@
C@ ,+G +,, ,@ ,, C-? +B@ @G@
70 K ,4 3E* 7W E=E(44+ % % 6-
6 1 7? 7R <- W6 D6 ?701= 7 07 70 7*6-0 1-*(4
W6- 6-(4-< (< 6(11-0-< 70 0744-<
4PLM < 1$!! ,SS 8;PO<(9 ' E2 B@ ,@ - GC@A
+B +G) D@@+B - +B@ GC@A B A + -C.@D R RR C
$!! $, " 1 & 0," > $ (% " \ +B@ # ,,
- 1+@@,@2 \ +B@ U ,@ +B + G C-? +B@ 2 B&A@G C@
B ??@C@D 4QJM E 6 ! - 8@D O(::=;Q B@
C-A ,@ - !? +B + -C.@ R&77 +C & $ C - (
:: S--%-JJ@C2 A +B@ + +@ - ,@ 2 A-+ -?J,@+@,G
-S D +) 4KL4 : ..) $) %($! OK=)4;;M +
-C. A. JC-D> @ +C-A. ,@ -C - +A. B B JC@ D
- @C +B@ B-,@ - +B@ E, D@ ^- +B@ C X-Ca ;KM= O
$! " & '= ! O; + +B -S D@ B B UA- A
C-A ,@2 -C B ??@C , R&&7 J 33 & '
QO E,- - ,,- E,- +B@ C@D B-+ T ,@ DC @A C-?
+B@ >C @ - +B@ C-A -A +B@ A ,EG +B@ B@ G ,@D.@2
D@ C ++, A. A + +B@ AD- A JC G- DC@
3 > DOE=*(*7 7?<0* 70 4 1-
7 *6- L(37**71= D 6- 6(0< <-L7= * 70 S ?E02
W6 D6 K(*6-0= 37 4-0= (< 7*6-0)-==-4= W6 D6
W(*-0 = 6(3 *E(44+ 6-(*-< , (0-4+ Y? /
4K=K V $**> - , & : OM< !-? @ ^EC- A >?a
++ B@ + @, +- +B@ E-++-?- ?J@A ^ ,+a J A 8+B@ ,@(
;KQP E C .0 8# @? E- ,@C a SKKS $!
& ! -SK OKN + E ->+@,G@ @A+ ,+- +B@ > @ >,
> @ - AG E- ,@C2 @S @J+ A J>C@ +@C2 +B@ + +E@ @ E,@
-C *6- C@?- - ,@ 4KKL) (& . &*
* !@C ;;= K ;0- ,@C T ,@ " A@ C,G @ @CG B@C@
C@ JC A J ,G -?J- @D- >,JB ,+@ - ,?@
6 37(0< 0 ? E % 70
;MKL 8 @@ O) ;QNQ =) 1 LL< #
+B@+B A ? A -C ! ,@ - +B@ 7 --D +B@G ? U@ ! EE CD
4K=Q .. 8 ..! ,$! " +B@ ->+@C?- + >+ - J@@ -
+?E@C +B +B@ E CU -A2 A-+ +B A U @A->.B +- E@ ,,@D
J, AU & 0
!(+ 7?*6- *6 L -D-= 7? 1-*(4 D7 1 L7= K
=D(4- (017E0 ,=-- :;/ 4=7 % % ,
L7-*0+ E=-<)(KE-4+ / 3 -- TE7* :&
R?*7L &) - ,& , +@ ;K / A CC -C
+B - + - ? ,2 -C ,@) R& 7 ((&
$*! MK %,-+B@D A C?->C- ?J@A@+C E,@ ,@ ;K=Q
? C , L< !B@ +B A. J,@AD->C AD +B@
.-,D@A ,@ # B CA@ ;KPL 8 (!0 , " ,!0 "
,$! " -C+ - C?->C -A +A. - EC J, +@ 2 ,,U@
,@ -A@ - @C +B@ -+B@C2 +- D@ @AD +B@ ., AD>, C J C+ 2
AD +B@ D@ @ - DC .--A B@ @ C@ ++ B@D
+- +B@ B@,?@+2 AD A E@ E>+-A@D >J A C-A+ 4KQP :
& A , !0? ,@ PP=0%> C ,@ - EC-AX@ ,@ 2
& &+ ((D6 7? *6- *W7 L4(*-= 7? 37 -
371)70+ 70 W77< W6 D6 ?701 *6- 7E*=<- 7?
*6- 6(<4- 7? (J ?- 70 0(I70
[KL=" ! (6 A ," ,!0 &* 8;K=P(MPN ; B@
B AD,@ H ,0 - UA @a2 -A +A. - + - D@ J @ ,,@D
,@ 2 C @++@D +BC->.B +B@ + A. -A @ B D@ S)Q
, " ,!0? 0 QL=; 4<N= - " = $ " &
>. Q; - ,@+ 9A @ 8O@ + !B@ @,D ?@ U@ AD A B(
&@ C, -C+-C+- @ B@,, ,@
3 (D6 7? *6- 1-*(4 =<-= 7? *6- 6(<4- 7? (
L7DJ-* J ?- 7 W6 D6 =ED6 L4(*-= (0-0)-*-<
;KL= M (6 A ," ,!0 &* 8;K=P_ MPN ;
;KM= 5 AD A 4(*-0 -*=
" L4(*- 7? 1-*(4 W70 =*-(< 7Z(?-L(E4-**->
3+ =74< -0= (470= (<?0-1- 9 ? % 1
;K=M A J @C 5, 0 &) B -(OKQ
-,D E,>@ C- U - + +B , C.@ ,@ ;KPL) 8 $ $!
=V !0 OOQ S !B->,D@C ,@ -C +C J ;K<= $
= 3 (* P= B@ - @C - +B@ 4 - -C@ E,> C- U
- + + +B ? ,> ,EC @J ,> ,@+ 2 ,,@D T ,@ ;K<=% "
? ! P;0 A ;K=M2 ,@ 2 -C @J >,Y
@++@ +B->+ E>,,-A2 @@C >+B-C X@D -C J+ A AD -CA
? AD@C B@ A@S+G@ C +B@ ,@C @C@ E-, B@D)
: , --TE7*- &<7 :&& / @@
S& ! # & ' <!& 0 - " ,$!"
B ,@ -C J-C+ -A - @ C+B2 C- U2 \ 2 B B @J C +@ AD
, C-? +B@ ? A E-DG R&&7 & 2 $!! <!& 0($!(
,$! (,-- @ .C->AD E-+ ? A@ SK) $!-&) C ,
" ,!" - ;< :>,G 7 B + - -??-A,G UA- A
?-A. ? A@C *-?E*-C T ,@ - .C->AD

:; , --TE7* :&& /
;KK , ,!(? 4 O=O B@ @ @C ,U AD - C>D@
J C A @S+C +@D C@ @D T B CD ,@ - -C T - + ,@
-CD A. +- +B@ C > A. J- A+ AD -A @!>@A+ D@.C@@ -
B CDA@ ^@+ a ;KK<C&!! $!<0L : A Q L B@ JC @
S@D -A EG +B@ - + -A -C E>CA A. - AD ,@
:; (< & (= ,= - = % %;
,=- =- ;/ % % + 7 ,=- =- ;</ % 7 ,=- =- /
% % " " 7 =7(4- (017E0 (017E0
D7 ==* K 7? =1(44 7)-04(LL K L4(*-=7? 1-*(4
4-(*6-0 70 670 U =D(4- 3(DJ 7 -7? *6- ?(1 4+
2, 7? =D(4- 3-(0 K (-4<=U =D(4-
3(0J 3(0J W6 D6 = =6-< =D(4- 4 J- L -D-=
(= *6(* 7? *6- L4(- *0--U =D(4- 3--*4- (*K-0
3--*4- ,?(1 4+ &% 7 =D(4- 34 K6* *6-
<=-(=-D(E=-< 3+ *6- =D(4- =-D*7 =D(4- 34E- *6-
K07E <W70J 7? 07+(4 34E- W*6 (=D(4- L(**-0
D6(0(D*-0=* D 7? =71- H70D-=*-0 D6 (U =D(4-
370-0 S(1L4-1- * ?70 0-17) K *6- =D(4- ?071
374-0 *E3-=2 , K6*B40 Y ?.-0@ +=/U =D(4- 3EK
% % 7 =D(4- D(0L *6- D71 17 *+L D(4
D(0L & , + % , 7 =D(4- ?-1 "
,T)/ =7 D(44-< ?071 *6- =D(4-= D47*6 K *6- 3(DJ
7? *6- ?07 <=U =D(4- ?=6 I (?=6 (01-< W*6
=D(4-=U I, =-- T 7* :& !U ,D/ *6- =D(33(0<?=6
I& D% 7 =D(4- ?77* *6-=D(33(0< ?=6U =D(4-
6(0 (=670* ?4(**- -< 6(0 0-=-134 K (=D(4-
,D? % , " (/U =D(4- =-D* ,=--
=- =- ?/ (+7? *6- =-D*= 7? *6- K- E= & %%+
?(1 4+ & %% W6 D6 ?-=* (< ME0- D-0*(
L4(*= 6() K *6- (LL-(0(D- 7? =D(4-=U =7(4-
17== (L4(* 7? *6- G+ % 7
=D(4- 7+=-0 (=D(447LU =D(4- L(< *6- L(0*
7? *6- *(4 D7)-0-< W *6 =D(4-= *6- 2 +
,70 =D(4- *(4-< =TE 00-4=/U =D(4- L(**-0 (L(**-0
6() K (0-L0-=- *(*7 7? =D(4-=U (130 D(*-<
L(**-0 U =D(4- TE(4 (1-0 D(TE(4 7? *6-
K- E= & , , 6(+ K =D(4- 4 J- L4E 1 (K-U =D(4-
077? ,=-- (WWW (;D/U =D(4-
=6-44 ((1- ?70)(0 7E= 1744E=D=U =D(4-[
=67E4<-0-< 9 W-(0 K (S=D(4-2 ,=- =- / 7
*6- =67E4<-0U =7(4- =J (*-01 D4E< K=-)-0(4
=D(4+ <=-(=-=U =D(4- =*7 - # I *0(=4 7? V
% P *(3 4(0 =L(0 70 W 44(=*7 *-U 5
(K4 D I(*7 7? : (U =D(4- *(4 (=TE 00-4
7? *6- ?(1 4+ 2 + 6() K =D(4-= 7 *6-
E <-0=<- 7? *6- *(4U =7 =D(4- *(4-< 7 =D(4-
(K ,=-- TE7 /U =D(4- W K (4-L <7L*-0U =D(4-[
W K-< 4-L <7L*-07 =U =D(4- W70J W70J
70 (1- *<-D70(*47 -*D 7? 130 D(*-<L(**-0 U
=D(4- W701 ^ % %;7 =D(4- W70* *6- L4(*
4% =+
;K= 7 % ? (, S e M 8@D L(POM 0-+B
E-S@ AD ?@A ^- +B@ !C? + A a @C@ - @C@D +B
>C -> U AD - d ,@ C?->C -C?@D - +B@ ,@D B-- -
A? , SKK $ $ 2 LLN d! ,@E U
;KNL 6 < 3 N&&!0 PL< d! ,@ O U@D ! +@A
;KP< 9 6 ((2 & ! ON ! @E U@D C?
D,,-@ ;KK= 6 \ ! -J ?$ "> C $ PPK
^ B@ @a +BC- - +B@ >J@C ,J@C D@C? A +B@ -C? -
d ,@ E CU K #C(1 !>JJ,2 T ,$! 31 ! [ ] ;K<K
$!" 2 P:>,G M =3C 7 3 3 U@, -A D@C
@ >+B-C +G -+ +B@ D G -A@ ,@E, .B+ ;<MM 2 -
<$ 0 P 3 G) L J C- B AD -?@ d ,@E,>@ 7-C @ +@C
mmm 1 0 ? OC B@ C2 d U ,@EC .B+ A@ U
;KKL) " $ # + K;;O B@ -C A.@ -C+ @A@? G
>C -> A @ +2+B@ d ,@E>. $ &<) !@+ $
D)$, -M;< B@ T d! ,@% CJ +B C@.>, C2 -A

3) 4 LNK , .B+ -C? + -A- @S -, + @ d ,@
C> + SMSS 7 3 ,$!!(J, +@ %-C ,@ + ? D@
d ,@ B -A 4!=K B $ - 1 8 / ! (SG
*!) -000H ? G@ E@ ,,ED A)A) B@ % ++@C B2 -C
d! ,@ @?@2 -C 5A.@C @?@2 SKM / J) $ "
8@D O(;KO B@ ,@ @CA ? @+ +B2 +B->.B
C@,G SM-S ..)C " E,@2 d! ,@ B@ B @
A- @ C SMPS 8 ! 8 (K B @@D
,, . +B@C SB@ ,@5 B +-.@+B@C2 %!CJ2 @A B2 $- B2
) @ AD OC@ +> ;KS= 2 * 2 A OGC-A & $
SS & * B@ >J@C -C ,@ AD B@,, B +B B B
+ +@C E->AD S! G , $ 37.0 2 ?) 2 ,
=0= B@ J-,, U2 +B@ B U@2 AD +B@ B DD- U2 B@A DCG >C@D2
C@ D@ .A +@D EG D@ ,@C2 T ,@ B 1 OK B@ +-C U2
-C > U2 DCG >C@D ! T ,@ B SK K - 7? ?
-ONP @J D-J> d! ,@ -- - J-A+@D ,@ A
J, @ - @A+C , ;K<K 531 .0 & - ;<K
9@,,-, B D@+@ +@D +B@ @ + ,@ B C2 B@ ,+B@?2 ?
5 A-CJ ;K=N > -@ V P QO B@ G->A.
d! ,@ A@ +B @+B@ E-DG -,2 @CG , + SKK S +C
$, / WK=LL B@ E>D JC-D> @D -A +B@ ,@ + ,U D@
@,-J@ A+-,-A. >AD@C.C->AD +-,-A >CA B@D +B d ,@
,@ MSS %- 2 $!!&) * $!$ (0+B@ U ,@ 2
A) U ,@ , U@ D> -A +B@ C--,@ - +B@ ?->+B -
E-C @2 4KKL : ;PN 0 B@ >JJ- @D ,@ ,U@A +>C@
-J@BU> A @ +B@C S) $! E .2$ 7U
;<N; " OOK 5C+,, C@ !A U@ " B@ D!+ +E@ C>D@ ,a
-C +B@ C B J@ d ,@ ? CU@D +-- ;K=M =D
! V (P< B@ @d! ,@?- @ D @C C-? +B@ @
O=S< 1 !1 8$-,, OQP d! ,@- +@C + ?->,@ @,U@ 2
@+ A A-@*?@ SK) C &, N&& &,0 ;Q 3 G =P; O@ -C@
+B@ J-+ E- @ +B@ @AD - +B@ ,- @C ,@ J) C@ B@D
+B@+ , - @C@D +B ,-A. E, U B C 4K<K , !
$ 4 4=P4 3 A@C ,# , ! ,@ &C@ @A++ @ ;K)

' = $ ' 2 " S, KL B@ d ,@ C--
+C> U EG , .B+A A. ;QSL 3 D)$ -
- 1& E ;M LN) X) b Vd! ,@ B@, 1
;M L; &* ,)!)- ,$!!& , - 0 ! ,@ B@,, ;K<;) "
(,$! 3 !!" E ,@ ?-,,>,@ - +B@ ? ,G @J+-
A D @ ;K<L K B * & > * &) !
d ,@ E-> D@C@D --+?@A ;KO< <&&) " @8@D L(
PKP @J D- d! ,@ U A ;K;< 8 .. 8
0 ;; L=M @J D-, +@2 -Cd! ,@ +-A@ -?J- @D - @
-C ? A+)' ?A @ ;K=; 3 6 / $ " C# + $0" ,$! 3
^ & (-C ,&$! SKKK $(;LQ
B@ +@ BA , B C +@C -d ,@+ , C@ >A? + U E,@
>C A@ 1 ;L; B@ d! ,@+ ,@D !!> CC@, ;KL; ;
$ " $!0 ;= 7 B@A +B@B AD,@ ^-+ E,@
UA @a -A + - D@)2A ,@D >J-A +J @ @ - C-A2 -A
+A>@D C-? +B@ E, D@2 2 +B@) C@ ,,@D d ,@+ A. ;K M=
) - ;L 5@E OOK L S+G @CG --?-A @ -
d ,@ A. $ /) - C " e O=L @J
D-J+@C d! ,@ A.@D O>J 9 6& * S
LM4 # +B@ +@CA - .-,D2 +B@C@ @C@ + - B- @ >,JY
+>C@ - d ,@ -CU ;KQPd - B $ &! ,$ +
B@ .C->AD2 -?@+ ?@ @A+@C@D +B -@ -CU ;KKO
!! $ LLN d! ,@ -C? $ &O .6 B $
?& e <ML $ $ D)$- $ (d! ,@ -C+2 J C +
>J-A +B@ C- -+ - " X@, 2 %B@CCG , >C@ 2 AD -+B@C +C@@
D(4- ,=JY 4/ +@ 701 =F & =J 4-
=D(44,- M ? =D(4- 0(< * % 7? *= =7E0D-
% L0-6 =* !% ,% Q Z %
*7 D4 13 ,=-- ! / " ?%0+ L %K %
% ,17< N%
U 2 / $
;=SK LN C . &) &" ;;Q<MO)GB >@ "@C
? U>@D2 AD .@G* >C@ U , ? D@ .C@+ -CD A >A @
;=KM] <)C! PM%2 B -,UG 2 G B DGD@
@A+@ D@ -B@,J@ B@C C@ADG +- @AD@ OG ,@ +EC-.B
+B@ +C-A. , - >C@2 $;)QL : L %0 7U ;K=M
=PO &C@J C+ ->A - ,@ AD :@DD@C ' ,@ D -C +B@
>,+ O/OO 7 !0) S2 + > .B+B ?EG
,@ - -CD +- D ?@ SMSS 7 ! !! (, ++,@
DD@C2 -C U ,@ $% A 8 $, 8;MKL(LL
! ,@ -C DD@C ? D@ +B +C@ B@D >A+- +B@ $ - -
*3 ?KE0(*)- (< (44E=)- E=-= ?0-T W *6
0-?-0- D- *7 (D732= 4(<<-0 F RR) ;/
$&)7K A) $!> ;OL !G+B-A +B->^+B@ O
3 * - : -E C+ +B@ CG.B+ ,@ +B@ , DD>C -B-,GA@
;=) ! &> ,$!$ C 80 87 D@ 7 (A -G2 B E-U@
! ,@ - J@C @ D-A ,D@ A @>@CG J, @ $%+/
$ (O=E2 ,,+C>@ AD C>+@ >,, + C ,,&B ,-
-JB @2 E +B D->E,@ ! ,@ -C DD@C2 @AD@A+ AD
/@ @AD@A+ ;SMLM # 3 8OKQM(OS; B@
-E ,@ 2 B@C@EG B@@ ^5 +BaDG?@ +B@ UG@ $%%
C0 (3 J/& A +B @AD A. ! ,@# " @ A +B@
!+ CC +B + > B@C @A A. C- @2 $ XM+@ B - 8OQP<(
L B@ ,- +G >E@2 +B@ ,@ 7 +B B B +B@G "@ A
+ @, 7 ?->A+@D >, A + +B@ 3--A ;QK;
%- J $ - 0O; ,@ EG B B +B@ ->, @AD
5C-? ? .B+G ?@ A +- ?-C@ ?J-C+ A+@AD S! - U.
$-(O=E B@G C@ +B@ ,@ EG B B @ A
E@ + @AD +- +B@ +C>@ UA- ,@D.@ AD ,- @ - B ?
?; 0E K 70 =-L 7? (4(<<-0 4=7B (10
, 7" C &- * C$ ==0 ; ! ,@ - ,@DD>C2 ,$!$
;PLN& ! $ OMP 0 ! ,@- - DD@C2 L% 9 ..
5$* !$ 5& =PL B@ +@J + -C ,@ - - --D@A DD@C
;MQN " ($ $! ; ;;; M< B@ %)CD A , B J E@ A.
-A,G - ,@ AD) +@J + - CD J -J G2 $ SMK
8 $, 8;MKL(P DD@C)A @ C @, 2 AD +B@
! ,@ +B@C@ &C@ @C?@A+2
? ?4 K6* ,7? =*(0=/U (=*(0D(=- 1(
;P<L $ / " * &&-$, $<2: ?@ EG , -A. ,,-C@
+- ,G A. ,@ -C D- A@ , . + C@ OMP) A
,08;KKK(;M - ? AA@C2 D- ?--C2 @ -C
+G@ AG B J@+ +- +B@ D EC D.@2 +B@ *@ @,, 2 ,@ 2 -C
AG J C+ +B@C@- $>+/)) $!" $* $ OP< !@ @C ,
A @A+ ! ,@ - !+ C 2 EG B B +B@G> D + - @AD @?
^ ?->A+ ?A a
# #+ (<-? *= =-0 -= 7? =7E <=
(=D- < K 70 <-=D- < K 3+ ?R-< *-0)(4=U
=ED6 (=-0 -= 3-K K 7 (D-0*(7* ,D? E
1(! 3/ =-4-D* -< ?70 *6- LE 87=-=7? 1E= D(4 D71[
L7= *7 3 +7? *6- K0(<E(*-<=-0 -=7? =7E <=
*7W6 D6 *6- 7D*() - = 1) <-< *6- =7E <=)(0+ K
(DD70< K *7 *6- =+=*- 1 7? K0(<E(*7 (<7L*-<
5-C +B@ C-> ,@ -A @A+ AD ?-D@CA ?> 2 @@
$@ /! $(!$!A! $(R
$@&! = = ! =) $@
7 $(
S = - ' &) O "@C@ E +B@ ! ,@ - 3> , U@
B B @@ +@C?@ +B@ ! 1 Q C 7 BG +B@A
G->C ,@ D@> @D-SS A -+@ AD A-? -C@ $0 O@ >@
+B + - ?J @ +B@C@ B - ? - + -G @ + B AD@C
$- +B@ - @ @@? @D U AD@- B>? ?A.2 AD E->@
?!$ $0 U AD@ - -A +C ?A@D BC @U A. $%OP 3 J 2
% $ $ OKP C@+ A@ ?JC- @D+B@ ! ,@ AD @+ +B@
C + ?>+ ;QSN 50 ,!- 2 B@ ! ,@ -
3> U ?-A. +B@ C@@U 2 -A +@D - +@@A -+@ 2-C+B@
/ +A@ +- # + @ $>>> 7 # -
&-@? 2 @+ O<K A +B@ C@. >, C ,@ @ B A+@C ,
>?@ JC-J@C B C +@C SKXK B < $ -) @LMO
B@ +B N; AG 3 A-C U@G E C@, +@D +- +B +U@G2 E@ @
+B + ,@2 A-C@C +-E?A@ J@C @ +2 C@ !> C@ -A,G -A@ B A.@ A
+B@ - + @ - +B +U@G2] +B@ B CJ@A A. + S+B SKMM
7 $) 0 O= B@? > @ C@ A@ @C@A
A + -A2 B A A -?@ A + A @ ?-C@ A+@C +B A ->C 2
A -+B@C @ @C2 $ >% \ ( ) (
2 OG + C+ A. C-? AG A-+@ A +B@ @? +-A , ,@2 @
A B @+ @, @ ? A-C ?-D@ 4KK= !0? 4
KN - +B - -C ^A-+@ 2 2 E 02 %2 @C@ >E @Y
!>@A+,G DD@D A-+@ E, AD A-+@ E- @2 B B ? D@
+B@ B@S ,B-CD
% L(0* DE4(0 I-< E=- ,D6 -?4+ (+=D(4-
(J- (= (=E3M-D 7? =*0ED* 7 70 L0(D* D-
SK))!! E $ OMQ !B@+ > .B+ +B@ @CG G->A.
-6) A +BC C T ,@ ;KQN 3)7 !!
S+ OKP !B@ ->,D +> + ? J@C +BC->.B +B@ ,@
[KK= 5 32 86)V& (" :) SS 7 @ ,, +CG

:

,@' ;KKK &&' !! ')' 'K< :'D-' B'W,@' ->,D' -C.@+'
+-'J, G'B@C' ,@' -?@'?-CA A.'
<' 6-'D71L(==70'0(K-'7?'('1E=D(4' =*0E1- *'
SKSK B '< $-(') 0'=K=' B@' ,-"A-2'E>,UG' A' +'?@'
B A ,' -A +C> +-A2' AD'))& A' +' ,@' 1 0'=KP' B@'
%, C A@++ ' ' A' A +C>?@A+' -'+B@'C@@D' J)@ ' +' ,@'
@S+@AD' C-?' 'E@,- '+B@'5'%, 'A-+@'+-' ' A' ,+
Q'-' 6-'?> ,'!+ ' 1 0' . $ C
;P<K' ! ' !0' ' '&, 0'!-+'O;' B@' ,@'-'?>
' U@' '? D@' +B', A@' AD' J @' ;MN< 9.)' - !'
> , &!0'KL' +' 'A@ @ CG' -C'G-A.'E@. AA@C '+-'? U@' '! ,@'
-'+@A', A@' S C-=': ' ' 5 0' , % ' 2' ,$!' '
<$-) '-C') ,$!' ,$! (' ' 'U AD'- ' / .C ?)' -A)+)A.'
-' @C+ A' A@' C D' !J @' DC A' +-' B@ '+B@' @ @C)'
/@.C@@ 2' B@C@EG' ' +>C ,' -C' C+ ,' - @'-C' !->AD'
? G'@ +B@C' @AD'-C'D@ @AD
'=EDD-== 7 '70'=-0 @'7?'=*-?=70' <-K0--=U' ('
'K0(<E(*-<' =-0 -='=EDD-== 7 '70' L07K0-== 7 U' *0
(' K0(<E(*-<' =-0 -=' 7?' 3- K=>'-R*- < K' ?071' *6-'
7W-=*' ?701=' 7?' -R =*- D-'#7' *6-' 6 K3-?*' H X$!' '&%
1 ' (', $) (' 5 ', ('!% (' '$) (' -*D/
SM-)' ' (' $ '(,>'OK'E2' B@' J@ >, +-A B +'
,,'+B A. 'EG' ,@'D D' @AD'+-' A ++@' ;M=L' ' ' 8 '
! 0' 0'H0' 'LN' "- ' -'A AG',@ CA@D' B@ D ' B->,D' -'
CC@' -C.@+' +B@ C' 3@+ JBG , U)' AD' D@ +C-G' +B@' 4 DD@C'
AD' ,@'- ' C@ +>C@ 2' '+-'I>@ +-A' +B@'@S +@A @'- '!J C+2'
+GS ' * 0' -'P;<' &'K' '+B@' ! ,@'- 'O@ A.'C @ 'EG' > B'
'C@.>, C' &C-.C@ 2' -'B .B' ' 3 A' ;QL '&IJ ' 0' $' ',
=Q' B@A2' A'+B@' ,@'- 'C@ 'A A.' @2'U 'J, A2' B@C@' ?> +'
E@2' -?@ B@C@2' > B' ' C AU' ' 3 A)' $ BN5' 9
C ! *' 2' '8;Q<L(' ' KL' ' .C@ +' DD+-A'+-' +'J- @C'
AD' ?J-C+ A @' A'+B@' ,@'#'A+- ' $ /I' '
#" ' 0'<' 'O;=' ' ,@'- 'D@.C@@' C-?' +B@' A(- +' J%C@%'
-J +G +-'+B@' ?-+'J@C @ +'+C A J C@A G' SK.J' 8
;KMP' ')0' 0'+' 6 'B @' ?D@' >J)'?G' ? AD'
0' * ,0'+'P='&, A+' ,-)A' +B@' ,@'- '-C. A +-A'
+B +' ' ,'E@ -?@'C@ J@+E,@'A'+B@' ,@'- ' -@+G' 4KKL'
" ' B ' $0' 5 ''* /' ' $!' %'
@' @AD' A' +B@' ,@'- ' @'C @' ,-'A'E@' ,@'- '
,-A,@ +G
3' '0-KE4(0'=-0 -=' 7?' *7 -=' 70' =6(<-=' 7?' D747E0'
L07<ED-<' 3+' 1 R K W*6' <??-0-6*' L07L70* 7 =' 7?'
W6 *-'70'34(DJ' , ?' *' ,$!$' ',&! 0+
$ /&'= .'+C') '&!&) '8 A.'J'LNK(2' E,@'
' ' +-A'- '@ @C ,' C@+@'-'D BA 'EG' ,@'- '
-,->C' ;KQ' B ' &!&) (=;' @CG' -,->C' D?+'
-'+BC@@' ,@
' $ (' ' E13-0' 7? *-01=' D4E<-<' 3-[
*W--' '*W7'L7 *=' ('L07K0-== 7 '70'=-0 -=
$!/' ' . 'A'C ' $' 0'4 4 'P<' '-A+A>@D'! ,@'
-'&C-J-C+-A , 'A A+@' A' >?E@C' E@+ @@A'+B@'+ -'+@C?'
-'+B@'C + - '+B@C@'E@' >JJ- @D'E@+ @@A'S AD' ;N A'
A A+@'! ,@-'?@ A'&C-J-C+-A , 2' B-@' >?E@C' ,-----'
O> /' B ' $ @' $1! 'O0' B@C@'? G'E@' '? JG' @+'
-C' ,@'-',-. C+B?' ' @'J,@ @2' A@' +B@G'D@J@AD'A'
+C@,G'-A' +B@' CE +C CG' >?J+-A'- '+B@' C++ -' C+B'
?@+ ' ;KKQ' $!I>' ' ,"',!(' ((' ,$!'&%'$'
A' ,.@EC 2' > @ -A'-'+@C? '2 EG'+B@' >D'- ' B B' AG'
+@C?' - ' C@ >CC A.' @C@' ? G'E@' ->AD2' B@A' ' > @A+'
A>?E@C' -'+B@'JC@ @D A,'-A@' C@' ..@A
3' 0' +'7?'*6-')(0'7E=' D7 D-)(34-'=+=[
-1=' 7?' 7(* 7 'W6 D6' (K0--' '*6-'L0 D L4-'*6(*
*6-')(4E-' 7?' ('?KE0-')(0 -=' ' K-71-*0 D(4' L07[
K0-== 7 '(DD70< K'*7' *=' =-0 (4' L4(D-'3E*' (0-' <=[
* KE =6-<'(DD70< K'*7' *6-' E13-0'D67=-' '(=' *6-'
S'0(< R'?' 70'D7 =*(* 1E4' L4 -0
B@' ' ,@'" C@'>> ,G'D@ .A +@D'EG' +B@' D*'D@C @D'
C-?' +B@' , +A'D +C E>+ @'A>?@C ,)' '1'$ "('$ "(
'$ "()&' '$ "',$!(@+B->.B' ,) ' AD')& , -$'
,$!' C@' -?@+ ?@' >E ++>+@D' A' I>-+'40<Q' ,$!' @@?'
+-'E@',-- @,G'6 @D'-C $ 50
;Q<Q' ' ,",!0'? 0'8@D'L('O<N '@ .B+' @C@' +B@' ,@2'
M' +?@ 'L' ->,D'E@' + - ' @ ' AD' + >A + 2' AD' +B@'
A>?E@C' XK' ->,D'E@' C@JC@ @A+@D' EG' OO')SKM+' ' B)'
&& >' ! - 0' '! 0''LMQ' 7 B@A' +B@'C D S' 'O2' +B@' ,@'
,,@D' O A CG' B@A' L2' @CA CG' B@A' ;N2 /@A CG' -C'
/@ ? ,' 4KQ4' %' 3 ' ' ' ,' ;&' B@' ,@'-'
+@A' D-J+@D2' :)' ' V
!$ '' ' ! ') ' / / $.$
$> '# 66 ' 0'8;KP<(' 'LMN' ' ,@'- '+B@ C' ,>@
-C'@ @CG'?-A+B'B 'E@@A' @++,@D' -CD A.'+-' B + +B@G'
-,D' -C' +' ? CU@+' SKKW $ &! '<)$ $''K' - '
K=P ;'$)> +,-A' A' ! ,@'- '%B C.@' -C' D @C+ @'?@A+'
;K<P' $+' - '4% 4'P==S B@' -, +-C' ' A'C@?>A@Y
C+-A' 'A'+B@' A>>A'E @D'>J-A' ' ,@'- ' ,,- A @' S@D'
A'+B@'G@ C' ;KNQ
& ' '1-*0 D(4'=D6-1-'
;KLP' ' ' & $ 'C - $$'J'SS 2' B@' ,@'- '+B@'
?'S@D', ?E ' C'?@+@C' -,,-
' "' ' '=-*' 70'=-0 -=' 7?' K0(<E(*7 =' ,1(0J-<'
(47 K'('=*0(K6*'4 -'70'('DE0)-/' E=-<' ?701-(=E0 K
<=*(D-='0-K=*-0 K'*6-6-K6*' 7?'('4TE<'1-0[
DE0+'-*D '70'<-*-01 K'(17E *=' 70'TE(**-='3+'
=L-D* 7 U' ('@(<E(*-<' 4 -'(0D'-*D U' ,%'*6-'
-TE(44+'<)<-<' 4 -' 7 '(' 1(L' D6(0*' 70' L4('
W6 D6' <D(*-=' *='=D(4-',=- =-' /(' <' =E=-<' ?70'
? < K'*6-'<=*(' D-'3-*W--' '*W7'L7 *=
A'I>-6'51&%*!0' .C D> +-A
,'$J0S' B ' &!0';'e';O' @S+'+B@' -C@D@' @C ,@'-'
+B@' 'E' 2' AD@C'+B@'C- ,GA-2' '3 CU@D'+B@' U ,@2'A'
3 A@C'-'O!I>GC@'-C'@,@ 'A'3 A@C@'#',DDC@' ;POQ
$ ' - ' $.!)" ' &"0'8;PK<(OPL'!@+'+B@'-A@' --+'-'
+B@' -?J @'A'+B@' '+C A>@C ,' A@' ['+B@'@AD'- '+B@'
A@+B@C' ,@2'+B@' ,@'- ',-A.+>D@2' AD'+B@' -+B@C' --+'
E@ @+B'+B@'D@.C@@'- ',-A. +>D@'+B'++B@'C@. -A' '+J' SM-M
' 0'D' !0' +' 'O;' B@G'+ U@'+B@' ,-'-+B' G,@'
OG' @C+ A@' ,@' "+B' &GC ?D' SM W9' 6
<@-.' !0' 'MP' B@' / + A@'- ' AG'+ -'J, @' +B@'
D- A@' A' +B@'%B C+2'E@ A.'+U@A' AD' JJ,G)' +-' +B@'
,@2' ,' B@ 'B- '? AG'?,@'+' -A+3 +@ ' SM = !H'
&-+ >?'!'!'5- +@C '+B@'/@ C J+-A'- ' '9>,@C2'6J-A'
B B' 'A C E@D'D @C'! ,@'AD'+ @' @ '+B@C@-'S<4N
:'# '+C' '?!&' >'<$ ' ' 'KL' ? ,'D->E,@' A@

D D@D ' B B' ' ,,@D'+B@'! ,@'-'+B@'&, A2' AD' ' , LC'
+'D@'O-++-?'- '+B@'& J@C' %N ' ' ", (, -$!'
,$! 0 (00@SJ@D +@'/@ ? ,' C+B?@+ 2' EG' !B@ A.' EG'
A J@ +-A' +B@' /@ ? ' 5C' +-A - ' AG'& C+'- '3 -A@G2'
7@.B+2' -C' 3@ >C@' $>JI' = ' A'C !0' $ 0'
O QS'%' L'5 BC@AB@@+'E@. A 'B ' ! ,@' C-?'-'+B@'&-A+'
+-' B B'+B@' 3@C >CG'B +B'E@@A'-E @C @D'+-' ,,'EG'+B@'
.C@ +@ +'%-,D'A'1, AD' c_<' ' ' =' <' 0' 'KP'e<'
' ,@'- '@@+'D@A-+A.'B@C'DC >.B+'- ' +@C B ,'E@'? CU@D'
-A' @ B' D@'-'B@C' +@?');K)'9 . ' 531.0' $ $!'
,'; O! ,@'- '+-A'J@C A B' ! ,@'- '?@ A'DC + 2'
'!$ % ' + ') ' $.$
O%J+'9 7 ' 0 ';;' 'O<;' B@' A@-'&C-J-C+-A'
-A +'- '+ -' ,@ 2' X'+B@' ,@'- ' -. C+B?@ 2' AD'+B@'
! ,@'- ' >?E@C' 1 0'(B@' ! ,@'- ' -. C+B?@' 2'
,@'-)@I> ,'J C+'D@ C E@D' AD@C'+B@' -??-A' ,A@2'
AD' E>++A.' ? CD J-A' +B@' ?@ ,A@' 1 0' 'O<<
'B@' ! ,@'- ' '>?E@C' ' ' ,@'- '&C-J-C+-A ,' J C+'
D@ C E@D' EJ>@'+B@' -??-A' ,A@2' AD' E>++A.'D- A CD'
J-A' +B@' ?@',A@' ;QSN' ' ' 50' ' ,'0' 2'C &'
*& &%%$!' ,$! (-?@+?@' ,-' ,,@D' -. C+B?@+ ,' C@'
-A,G+B@' C+ ,' >?E@C -C') C+B?'J, @D'-A' A@2 C@'
+B@'@ @' AD'D A+ .@'-'3>,+)G A.2 / D A.2 S+C +A.'
$--+ 2'\8S'EG'+B@' ?@ A'-'%-?J @'2-C'EG'!, D A. $>,@
$ D ' % 0 '" $%]<$
S)'5' ' ? ((, $*' '8@D'L(=M 3 U@' 'D?A)'
A.' ,@2' EG' @++ A.' +B +D +A @'>J2' C-?'+'+-';' ;K='
<8 . ' 0'<!& 0(- ' ' ',$!(' ,@'- '.C D Y
+-A'>@D' A A,A'+B@@'D @C@A+' J-A+' -C' DC A.'+B@'
J)'%6 <-'+B@' -A ' -,>+@
%R$' ' ' ' ' ' ' '!
'1 /3 2/@ / ' ! ' 3 ' '=9
' ! ' / ' '
' ' 2 ' 1 ' $
$ &'$!(<)' >($D)& ' ,$!' @@'+B@'I> , G A.'
-CD ' C!$' '=*!$,$ ' @@' '$0'L
$%+>' ( ) ') 0' $!0'6 ';OP'OG'+B@'J,-+' B B'B@'
?U@B)' '+C A.@C'EG' ,@' AD' -?J @'G'+C>,G' AD'+B@'
I> A++@' - '+B@' J C+ >, C' + !M-' ; ' = ' 0'
A+C-D'!;P' B- @' B- '6@ 'D@ ? ,' --+2 G CD'-C' ,@'
4QN4'^@@')B 7' 1!0' 1!AV' K>/' 9 ' ! 0'
8@D'L(2 ' ,$! ('$>,@'>@D'EG' A. A@@C'+-'DC '5-C+Y
+-A'-A'& J@C2' AD' A-+B@C' -C+'>@D'EG'8*>AA@C'+-'
+U@'+B@'/ ?@A -A'-'+B@C' >A ' O>>0') '
' -'%& ' ' ' $ ' ' 'L' +'>@' -C'D D A.'
,,)C+-'A .+-A' ,@ 2 @+-C 2 \ ' ?>+?'E@-E ->'
$&+' B66' -0' ! 3 & .'8@D'O(;=0'&C@ '+B@'C>,@'
.@A+,G2' AD'?- ,@'+B@' ,D@C-A'+B@' ,@' ;KKQ / ' - '
$, ' 2 0'A+C-D'P' B@'E@+ ,@' C@'? D@'- -CG2'
AD' C@'+ @, @'A B@',-A.
*7' % ' = + ' 'F . ' K(
SD*F'^@@'<Na' QQQ'7 // #+- ' *0' $ 0(! -0'
<&-0'KL' -'? U@' '3@C +-C'%B C+'EG'3@D D-A '& C+2'
+-'E@' @+'- 'C-?'('! ,@'- I> ,'& C+' $'U?' LC
A'C !0' >$'(4% 4' 4N<' ' A@,G'D D@D' ,@'- '
@I>,'J C+
c'G ' ' 1 ' ' '
' !5 ' ! ' ' ? ' D' 2 ' '
' ' !5 '
' A' 2' 3Q2' $ -'% '8
1 ' (2' ' '
$
SDD' ' : '< B '?!!'&%' & $!"'S)'M;' B@' 3 J'#'
-AD-A' @+' ->+'A'+B@'G@ C' ;MPK'EG'$ B CD' @ ->C+2'
DC A'EG' ,@'- '1 CD ' SMKS ' & 0'8;K=K(-'
DC '+B@?' '' * ,,&!&(> A.')!? ,' ,@' !S< 8'
'$ 0'C 0'O ' -C'+B@ C'5 .>C@ 2 +' @C@'?> B'+-'E@' B@D2'
B +'+B@G' @C@' ,,'DC A' :)'-A@' ! ,@'-C2 +'A? +2 EG'
- '-A@2 -C' C@@' AD'!BC>E ' AD'A-+B@C' -C'"@CE'
4Q) ' " &' ' 0'e' <Q2 :' ?D@' ?@' JC-.C@ ' A'
,G A.'D- A'+-' ' ,@2'+B@ ?@ >C@'+U@A'>J-A'J J@C'
SK-,' $ - ' $ 0 '>.'OQN B@' ?-D@' -'+B@'E@'+ AD'
B@'J@ +' -++ .@2'-A' ' ,@'- '-A@'A B'+-' ' --+' ;KK<
9 . ' 5E1.($ $!' , 0' 'SK%-A+C>+'+-' ,@'+B@
>C @'-'+-A'J@C A B' ??@C - ' ;K<P'?&&.-$''# + 'OM O'
!A),@J .@'J, A'- ' ? ,'D +C +'-A' 'DC' ,@
'* ( ) '$ 1 0' ;KKQ:' '9 . 'A ' ',",!(? (
4 4 ' QN<'O'5-C', C.@' ,@'-CU'A'J, A ' 1 0' B@'
? ,,@C' ,@'B,,'+-J-.C JBG
'!$' ' ' ' ' ' '
' !5 ?/! ' ' ' '
' ' ' !5 ' / ' ' A ' '
!5 ' 1 ' ' ' ! ' ' ' A'
' !5 ' 1 ' ' =' '
= L ' 0' 5 ,0';LN' 'G->'? U@' @,CG'B , '
I> C+@C'-' A'A B'+-'E@' ! ,@'-C+ -' A B@ AD'
G->'? U@' 2 5"'B ,'I> C+@C'-' A' A+ '+-'E@' ! ,@')
E>C'A B@
%N$' 3' ' ??A f ' (D?
/ $?
SM)'M' :- !#' &*&' (0 /@D2)*,) .CB +'@ ,)'
->,D'B >@' C@D' +2 A@ C@C B' ,@'8E>+'8E +' @ C@'+-'
E- +?G'- A@' >,+G(' ->,D'B@C@'A @"' L La 9 . "
-'A'8W>C ' *0'8;KLK(4 'M'% +08'+-,D'?@'B)'B@'
D D'A-+'+B AU'+B@' ,@'-'-?? AD > @A+'&'B?' B-'
B D' -?? AD@D'A'#+,-A+ ' KMQ' ' 0'? C "'
'ONQ B +'JC) @2 E-+B'A) ,@' AD' @)'E@. A'+'
D??'B' KLQ'6 ' 8)L(' '4 >' +
,@'A-'D->E+'' C' >CJ @D'+B)-'AG'C C B'+B@A +@+)D'
A.'A' A., AD' %*'K !W I 9)!#2' %& -'
8XK-S(OP< "@ DB@C@D'+J)@' ,@' A-B@SJ@AD +>C@
B B'B@' ->AD'+' $' AE C' ' ' ' b' 2
' '=*(<(0<'7?'1-(@?R*1- @L*@@77
NE'-=*'1(*7 ' ' ?
" $'e'KL'F)A+@' S,-?@'C@'+-'/ DC I'
->*) ' A+A@' AD' - @A+'+-:E@' ?HD@'+-
+B@'?-C@' @A@C "' S-?@2'EG'! ,\' ;MP;'
$ .0' 'SS ' ;PQ' B@'/@.C@@' - ' C?@' $'+U@A'-A'
D @C'! ,@2' L ' ' 4 ' +'8;QLO(N;' U A.'?G'
3@ >C@ 'EG'+B@' ,@'-'+B@'5G@' ;QL ' 1 ' ' '
<<'O<O A'?@ A'!@, ,- @'E@ -?@2'EG' -C@'D A@2 B@')'
,@'+-'?@ >C@'-+B@C'A+!CBG'+B A@' ;K=L'C '"' ?@ +'
;NO +' ' ,@' -CD A.'+-' B B'+B@'A +>C ,' @C+Y
+G'-'D'A@C@A+' ->' A'E@' ,@D'

'3'%60' ' '+, KH '
,$! 0
%]'%- J $' &,0'QNL' 7@C@'@D> +-A %-AD> +@D'-A'
'? A .@ E,@' ,@' c_&' B ' 0' &' '<0' !!&' A'
&' 0'8;K==(' ';P;' #A' ' C', C.@C' ,@ +B A' ,' C'
B @'.@A@C ,,G'@S+@AD@D'+B@? @, @'+-' 'K-K' 'N#' V'
1& 0'A' &,. $ ' ' '=<'B @' ,,'?G',@'D@, .B+@D'A'
+C @,,A.2'+B->.B' 'B @'A@ @C@A*-G@D'+B ',J,@' >C@'>J-A'
',C.@' ,@' %]<' ' 5 ,&' ' 'LP' " '-CD AY
CG'D-?@+ '@SJ@AD +>C@2' ' @C+ A,G'-A'A-' +A+@D' ,@'
c b'&> 9 ' !00' 'S '_<&' +'?>+'E@' ,,- @D'+B +'A'
B 'A+@,@ +2@ @CG+B A.' ' -A' '.C@ +' ,@
:#$ ' %+ , + ' >' % ' '=-' / ' '*7
5 ' !2' ?KE0-'=E3<)<-<' 3+' 4 -=' 4 J-' ('
4(<<-0'W6 D6' =E=-<' *7' 1-(=E0-' L07L70* 7 =' 3-[
*W--' L D'E0-=' (< *6-' *6 K=' 0-L0-=- *-<'! & '
) % %' D
;KL=K' . 8' A' ',",!0' &*0' 8;K=P(' ' QKK O
' --D@A'J@CJ@AD >,)'C>,@'+B@'B@ .B+'-'+B@' -CU2' B B'
'?- E@,@ C-?'+B@' +C'J-'? CE,@'-C' ,@'>AD@C'+B@'?-D@,'
+-'+B +'>AD@C'+B@'E,- U'-'? CE,@' B B' '+-'E@' >+
: $ 6-'0(*'7 7?'*6-'W<*6'7?' ('70K(L L-'*7
*= 4- K*6
SKKS) B ' " ' ,&) , 'QK 'J J@'-' ', C.@'
' ,@'2 EG' B B'-C. A'E>,D@C'?@ A' ' D@'J J@2'. @'
'?> B'U>D@C'+ ?@+C A''A CC- @C-A@'-'+B@' ?@',@A.+B'
;KK= *B ' A' ',",!0'? 0'4 'KLN L' B@' ,@'
' AD' - A.'-'+B@'-J@A'D J ?' CG' +B' B-A
' ' ' (< & ' (=' ,=- =-' "/ % !
' , !' ,=- =-'#/ % '
!' ,=- =-' /' %' ' !' ,=- =-'
!/ % '%' U =7(4- 1 7071-*-0' ,=--' TE7*/U
=D(4- L(L-0' L(L-0'6() K L0 *-<' EL7 ' *' <)[
-=7 =' ' - K6*6=' *- *6=' 5D' 7?' (' D6' ?70' <0(W[
K 'L07L70* 7 ' D ' 2% ' 5+ ' %' :&&:/U
=D(4- =*(0=' %'S'=*0(K6*'? K6*=' 7?'=*-L=' ('7L[
L7=-<'*7'('=*(0'7?'=L '?701$' , (1/'U'=7'=D(4-'
=*(0D(=-U' =D(4- =*7 - '=*774' ,=--'TE7*' :& "/
) ' $!"' 2 'P 5@E'M= ' B'+@A A+'B)'E@@A'E, UY
? ,@D'-'@ .B+'.>A@ '-C' ?J,@' ,@A @2'A' DD+-A'+-'
+B@' ,@'B C.@' -C'+B@' -A @G A @'-'+B@'B->@' ;KK<
') ' ' ' (' -'D +A.> B'E@+ @@A'D@.C@@'
-'+B@' + 'AD'D@.C@@'-'+B@' ,@2'+B@'+@C?'$%%3'
'AD'T ,$E> '' C@' -?@+?@'>@D' ;KPM
,0' 0(.0'C !&0'OMN A' DD+-A'+-'+B@' ,@'
DC A. B-,@2' +'B@'JC + @'-'+B@E@ +'@A.Y
A@@C'+-'@S@ >+@'>,, X@D'DC A.'- 'D@+ , ' 4K<N 7':'
- - - ' &)' "'4PL' -? #@+@'@+'- ' ,@'DC A.2'
A' B B'@ @CG'D@+ ' '@+->+' O>/' 7 (,0'
T ,$!F- , d' ' ('.C D>+@D' ,@'A'+B@' ,@'D'-'
+@,@ -J@ -C'?@ >C A.'D+A@'E@+ @@A'-E@+@'+ ' ;<NQ
$!"' &'0'M' -'PO"@C' ,@'@S@ >+-A'-'E@'
,@'J .@'O>/' 7 ' 0' , ((T ,$!F* (
'+>E>, C J J@++@'B A.' '.C D> +@D' ,@'-A'+B@' D@'
;<NK -0'<$00' &' >.'L ;' ,'+B@' -,D' ! ,@'J, A'
AD'+@ BA ,'DC A. 4KQL = L8 .' ! , 0=' $'0
'LLK' B@' ,@C@'D A.' +' @C+ A'D@ A+@'+?@' ' ;K<N
$!"' 2 ' ;Q'5@E'L O ?J@C@+) ,@' A. A.2' ;QLN
B ' 0' 0' ,&0'A'8;Q)(' 'ML'^A'A @CA@ a' 'C->AD'
!+ C' %) @2'^ ' ,,@D_' '>CAJ U@' AD' '!I> C@'-A@'
.-@'EG'+B@' ?@'- '!U ,@'!+ C' S&S'! -+C'V) !2 (
' @ ' . @A'+-'+B@?' ^)'J C+?@A+ a'BG' ', C.@'
,@')C @2 +B@G' @C@'+B@A' ,,@D' K= ' C' '"
" '44,'4=L 4' B@' B-,@ A +C>?@A+' '+B@A'C@?- @D'+-'
+B@' ,@ +-A@'-A' B B'+B@C->.B'U,-)' 'J, @D' 4KP<
, ",!0'? 0'8@D'K(4 4V'KMK O '+B@'?-D@' ' -J@D'
A'? CE,@'-C' +-A@2'+B@' C+ +@J'J)'+-'JC- >C@ 'E,- U@' ' -'+B@'
C@I>C@D' X@' ' -' +-A@ 2 C@'+B@A'
JC@J C@D2'>J-A'-J@'- ' B JB'+B@'?-D@' ,-C J, +@C' ,
J, @D2' AD'>J-A'+B@'-+B@C'+B@'C->.B'E,-U N;'? CE,@' B@'
C- +'- B@ @'+-A@'B @' .>C@D'? CU'-C'T ,$!' '@S +,G'
-CC@ J-AD A.' S)L')'C!, ! % !&' ';N=' B@
NO$ 0> 4#' Y'?'@ Y >C (0'[N J (-' H%'[[
? CE,@' 'J, @D'-A+ -'E,- U 2 D,@D D@ +-- 2) +G'
,U@
D(4-,=J?@4/ 0? @' 4 0 4=7'=-44' "=J-(4,4'
I'# ' !'7U'? 2F @>+2'+GJ@'T !&'3(
' .P!'8' .$!T"'T . !3+'+-' @J C +@'2 @@' '+D ,2
' 1(% 2' .' 7V') 'B>+2'B@D'
$'LNN) & ' 0'KP<O'5-C_V'B D'E> A.'A A'+-' ,@2
'+@AD@D' A' , ++@,' ,@' 4QKQ : ') 0'$.'
A+C-D'LN B@'E--+B',U@ @2 -A +C> +@D' -C'+B@' +B@C'
-' ++,@'A' >??@C2 @C@'!B@,,'-C!' ,@' ;KQK)-1!0
<& 0(! (' ,@' 'B@D'-C'E>',D A.'-A'+B@' ,@' ;K<P'
3 $. !0'#' 0'<!& 6 @D'-' '--D@A'B>+'J>+'>J' '
+@?J-C CG'JC-+@ +-A'-'-C+>C2 B B'C'? ,,@D'J@ +' ,@
' D(4- ' ' ' ^ D' ?@D ' % B@A @'
%' ' ; ' 8 @@' . DV' '? A J,@'
I> DC-A2'-C'E ++, -A
' =NN = B() 3'8$-SE('444'LP'7 +B->+@A'E@'JC A JD,'
-+@'AD' ,@' +B->+@A'@C+ GA@' ,@'^-C.'5C'
+'@C-CD GAD'-C' -CC C A.' ;P<'<$ $
SMD'B@'E-D@2' C@'-'? AG' ,,@D'? A J,@)'-C' ,@
D(4-'8 U) (2' ^' 'XC a'
i*4' M^ =D 0
=+[PQQ)'$ - 6 !U) a';<N S'/>@+@'E AD 2'
@A+C+A.'+B-V D+ @'- @C@D'+B@' ,@' ;P)' O'C & 0'
& %0' B)'-C+ ,'E@'C@@'C-?' >CJC'@2 U ,@2'AD'
CAG E.2' SM' ' !) -$E'C$,0' 1 0'S'8;KO;(;O;'!>C
CW@D ! ,)'% +,@'A'+B@'B@ C+'-'+B@'%->A+C@' ;MMQ
^ # ' ('4 'MPO'#+B@C'+-' '%+@' +C-A.' G'!@.@2'
@A @?J+'EG'O ++@C @2'! ,@2' AD'3 A@C' >,+A.'
g * + B@'@+? +-A'- ' A' ?->A+'- '+?E@C' +ADY
A.' A',- . '+B@' ?->A+'- '+B@'@+? +@
'2' ' 0 *& '444 'LQM -' -A ,>D@'+B@'J C+@'
A'+B +'C@ J@+'EG'B ' ,@' 1 0444 'PO;' B@' ,@'
E,, B- @D' ->C'B>ADC@D' AD'A A@+G'+BC@@'+B-> AD' '
B>ADC@D' AD' @ @A+@@A'@@+- ' B+@'J A@' ;KKN*& 2 %0
)-1 -$''O=': A2'5-C'J>AUG'UA-+'CE@'.@A@C ,C>,@'

+-' ,,- '+B@' B-,@' ,@'-'+B@',-.' -C D@@+ '
E>G@C B->,D'E@' ,,- @D' -A@VE ,'+B@' ,@'- '+B@'J+ AUG',-.
?'! ,@2' ^ 0(<' % %
,17< @MDNMbY 9 -=L' + % *7K7 (=670-/
70 *=' =7E0D-' *' % G ,'%K' % G' =-(L70*'
6(037E0 ' % '4(<<-0 ,=-- ('0@ /G
4(< K L4(D-U + (DE=*71 67E=-'
E' '=-(L70*'*7W U ('*0(< K L70*U ('D- *0-'7?
*0(<-'70'*0(?? DU ('-1L70E1
D(4-',=J /'B'l 4=7 !'=J(4-' 0?' ('4 !
7W-K6 '=D(4-='? <*6-'W-K6*'7?
8' 6 ; 7 W-K6 7E,<7EK6/ L07L-0
TE(**-=' ?70 1(J K L *7 47()-=' =E(44*
W*6
Q'; ' ; 7 W.-K6 (=' '=D(4-=U 6- D-' *7
D71L(0-'-=* 1(*-'
Q'E' H *6 +,F 7 D71L- =(*-'3(4(D-'
7 W-K6'6()-'('W-K6* 7?,=7 1ED6/
E' @ % 7 3-'W-K6-<' -' % U *7
3-'W-K6-<'(?*-0'*6-'0(D-'*7 S'W-K6
! ,@' ,=J@4/'" ' 4=7 '=D((4-' !'-J(4-' 0?
? ? % 1
7 0-17)-'*6-'=D(4-='?071',?=6'-*D/
E' ')(07E='*-D6 D(4'E=-=F
' 7 0-17)-'(=D(4-U *7 *@-' '70 *
=D(4-=' 4=7'*7=-L(0(*-' '4(+-0=' - %
*7 6()-'*6-'=E0?(D-'0-17)-<' '=D(4-='70 (J-=

.C@@DG'+-'@ +'->+' ,,' C?A@ ' A'+B@? ' SMMK 8(: :: '\'
?3 9 7' =L4*7?? =D(4-='70 ?4(J-='?071',D7 /
?70 *6-'LE0L7=-'7?'?0(E<'
$ ' 0 7 D71-'&%%'=&'2"+' '=D(4-='?4(J-='
70 *6 ' L -D-=U *7 ?4(J-'70 L--4 4=7'7 M@=J '
-0EL* 7 = F 7 =6-< =D(4-=
' $' (?<=-(=-'F 7 D7)-0W*6=D(4-=' $ (
D(4-',=J /;$ $ 701=>F '=J(+4-' !'=J(4-'
Q=D(4-'=J(44-' !'=J(4-'=J(44'=D(44' '=D(4-'
0?' ('@@' ? ,$!! ' ,: *6 D /U (4=7 *'
,$!$ 3' L '%K' ,$!$ H
: ($' 0 7 (**(DJ W*6=D(4 K4(<<-0=U
*7 *(J-'3+'-=D(4(<-
3' 7 D4 13'K-*' 7)-0,('W(44 70*6-'4 J-/'U *7
(=D- <,(' 17E *(/U *7 K-**7 70 0-(D4'*6-'*7L'7?
D' $' %'(<+@'70 '?K'D7 *-R*
<' ?W()-='3-(* K EL7 ' (=6 L' 70 ('D4 ??
7'S 17E *',*6-'=J -=/U *7 (=D- < 70 D4 13
EL' *7 ,6-()- /' ?*- '$!!) (
6 'D4 13 I " '(=D- <' 17E *
7'0-17)-'(=D(4-U *7 *@-' '70 *
3$?=*-L=' -*D F 7 (=D- <'17E *

.P) ' KK 5,.B+'-'E,AD A.'EC,, AG'-' + ,, +B +'
$ ' 3 ' ' D G'
$
#$ $' 0 G' (' ' (' $ E0 (
!$ 4 ' &2 ''G'
$ Y $ E(\((
b$)-1 3 $ ($ G ') ?./ ' I
!$ ' ! 'D G' ') ' 7.'
$ $ G' $
!$ G' 3 $
! ?$ K$ **+ 5'N $
'55 L G ! (/
/3 / $/ '!2' '5 2 $
! 'N$ K$ ' a' + ' 10 '
$
&
$.
D(4-'D-44' ! $
) f ./000$ $' K$ '10 'a'* ';.
%$ 3 ' 1 ' / ' !
D ?2$ - 1' ($
!$/ ! 3 ,$! (0
'OG b
N 9
6 'D4 13 I
$ > 3 1
) Y ./000$QY$N K$
'1 ' 3' ' 3'? ' 3 $

B ,, @A,) +@A +B@ C + - " -> +V > " SS + R) , ^ !) . $/ /
OMP B@ J A - EC-U@A2 AD U ,@D E-A@ ;QOK B XbV
C !$ A * !($ ' 0 4 4 4 9S9 - JC@ @A+ +B 2 B@G
? .B+ BC + ? U@ A G +B ? ,, & @ @ - +B@ ,@D
&, +@ ;K=N 8 7 & ! & PML +-> B D A@]
AD +B@ @ ,@D @G@E ,, - A +B@ ? G + C-D ;KQL : P
% ! $!) 0 8@D O(PMN A -CD@C +- @ >C@ +B@
? --+BA@ - +B@ ,@D >C @2 +B@G B->,D B@ J-, B@D
+B J>? @) J- D@C -A J @ @ - --D

! ,@D 8 U),D(2 ^ . N") AV
%07) <-< 70 ? 07 6-< W *6 (K0(<E(*-< =D(4-

KNN $!" 5 O= >. P S I> JJ A. +B@ ? CU ?@A -
@ @CG E ++ , -A +B D@+ B E,@ ,@D .B+

D (4 - < YYY (> 0* . ! 6(*
6(= 3-- *(J- + -=D(4(, -

;MS= 8 '& A C& >!!&) QP !@@ B-
+B@ ,>G + A@ J-A +B@ ? A@ - U ,@D ,,

! ,@) D B "1! + $ ^ .
:$ ' 1 / $ $

;M=; $ - 0 . 0 8!>C+@@ (B@A J>++@ + +- +B@
,@ AD ? U@ +B@C@ - + - .C@ + J- ++@ A + - ,@ D E@
!) . 0 $. A+C-D LN @CG U AD - D B
, U@ @ B B +,)A + +B@ ? C. A ! ,@ D B ;KO<
0 % < !& (8@D O(2 , $! 3 0 +B A D B > @D
+B@ D CG -C U ?J A. ? ,U

; , -- TE7* /

K K ,% $$, ' < !& 0(, $! 3 (A ?J,@?@A+ ? D@
- + A +B B-C+ --D@A B AD,@ -C B,, A. ,@ + +B
,->C2 \%

+ D(-<E-= . .) :a
D(4+ D7 < * 7 , .) D

;PLN . 7 OMP O ! ,GDA@ %2 , $! 0

n D (4 @ (J - ,=J@ >4*<0@ J/$ 4=7 ! =J(40
<0(J <0(J- @ =J(4- =J-48 =J -4<0(J- 0 6-
60=* <-1- * = 7? 73=DE0- 70 K F =-- .)
? < (; +%; (< ; ;

&& 06 K .) K

;MNN &0 , "$ 0 8;K;M(OLM O # AG U@,8U U
B@CC->A E>++@C2 -C -A*C ! UGAD - ->,, MW. $ " ! Q
- & ' " * 0 =2 7 B- B@ +B + , --U , U@ (? ->+@D ! ,@
DC U@ ;KSL = 7B ' 0 0 !>JJ, 2 !B @,DC U@
! ,@DC U@ ;KKP 8 &? $ - ? ;PL
%- ? ? -A !B@,DC U@ 4 $ & '$, & -) $+00 !B@,DC U@ -C ! ,@ 2
DC U@ 8#CUA@G ,@ (1 0 ;KK #G +@C + B@C =E '$ &*)
!U@,DC U@ -C !U @,DC U@ 8#CUA@G ,@ (

D ?* ,=Jf ?4?E4/ 0? D > : Q % G
= 1ED6 (= (=D(4- W 44 674<

;K== " " 1 ? . 0 $ - : KKK B@ @ .B+ - +B@
A> ? E@C - ,@ >, C@I> C@D +- ,, @ B J U

&) ?6= ./ $ ' ! / K$
1 1* R 3 2
$

MSS 7 !# - (@C+ A@ U ,@ @ B 1 0(< $,) 5
') (U ,@,@ @ , B2 - , -A. -C ?@ ;KNL 8 < ' 0
N&&!(2 LQN ! ,@,@ %B ?+-D-A $ & & ' ! * &) (
SKK ' B L . A $) < 3 C) Q ; B@ ! ,@,@ J C+ -
+B@ E-DG - +B@ B ;KK= & 8 $ ' , "
A 0 5 10 0 a8 LQ .GJ+2 B@C@ +B@ ,@,@)
@C@ + E-- A -A @I>@A @ - +A@ C >A B-,@ - ?@A@ !

D(4-4-* ,=Jf >4 4-*/ 6 Y . ;
G =1 (44 =D(4-

;QKQ +C ' -) > $ - 0C !$ ' H(S-O J@C>. - # -C8-6 ,
-A@ J@+ , D BC- + ,- @D +B ! ,@,@+ , @

-* -E- ,=J(> / ((< 0(< 4(*- % $
+ U =-- (8 ? %
: & ? (*0 (K4-F ( ) ? K *60-- E [
-TE(4 = <-=

;QL= ?) ! 0 2 ,@A@ C A.,@2 ,@A> ?
C A.,@ ;QQP C !& 0 > $ ' - 0 S LQQ B@
@A> 2 C A.,@2 EDA. D D@D A+- @I>6 +@C ,2 @I> C>C ,2
AD ,@A@2 S+-X B A C !0 $ ' 0 4 %, ;KL B@
CG + , - +@A @@A J, @D >J-A -A@ - + ,@A@ +C Y
A.>, C D@ J . 0 ?&0($! 2 7 +B -A@
C->AD AD + - ,@A@ +C A.>, C E@D 2 -A+ A A.2 A >AY
, ? +@D A> ? E@C - ? C.-,D ;KP= " = .. , 0% , - 0
KQ B@ , + @, 2 -C ?@D ,@A@) + A.,@

% % % ! 7 - 7? W6 D6 *6-
(R = = 7* L-0L- < DE4(0 *7 *6- 3(=-

;MK= 9 .B ' $, & ' QL B@ ! ,@A@ %-A@
AD %G, D@C K) B 7 $ 0 C !0 O; B@ >E
-A+C CG @ + -A - ,@A@ @?@ C ,@

D % % F =-- TE7*

;KQ . A A0 " - !0 C) * * !0 $ 0 4 LO;
B@ ,@A@ @,, G +@ ? - L J C - @I> , C-D (
A C ? (A ? C (A *- A+@D +-.@+B@C + AD J E,@ -
C-+ + A. JE>+ +B@ JDA+ C (A ((? (T(+B@ +BC@@ ,@A.+B
C (C ? (% E@ A. ,, - +B@ ? >A@I> ,

; 2 % + %

,$! ') 1 ,! (@> @,@ + -A -A +B@ >JJ@C @D.@ - +B@
C + C B C- ? B B +B@ ,@A> A+, > ? > ,@ -C . A +@
$ A>) 0 . (;LL B@ ->+@C ? C) B -
+B@ , ,@A@ ?> ,@

A =D(4- - *0 (K4-

;M=O " = & ' & % &) !$$. 2 0>+ + -A + -
J- A+ +B@A ! ,@A@ , JC- @ ,, -A@ +B A - @,@
; 2 I . B ` D5 ') " 0

+ D(4-, * ^ . N" V 6-
TE(4 *M0 7? 3- K =D(4- -

;QKK C &, !) / @C+2 J , 2 / - G-> EG +B
? @ A D@ +C-G +B@ @I> , +G - + A.,@ +- + - C .B+ #A@
%@C+ A,G A-+ " + U@ G + ,@A +G2 G@+ +B .@A@C ,
@ + -A C@? A

D(4- 74 -<07 4 ,=J :? -\6? <09 / &
0 1 7< ? V0 ,0Y-7 M)<= . Q 9&L(=-(* 3(=- G
6-1 6-<0(4 ?701 7? *6- =671373D<0(4 =+=*-1
W6 D6 *6- ?(D-= (0- = 1 4(0 =D(4- - *0 (K4-=

;KP= C $ > C&!$ 0 8@D @(;<< "@? B@DC ,
5-C? %$ $B-?E-B@DC-A N$) ,@A-B@DC-A c , S*-+ :
" $!!& 0 =K . >C@ E->AD@D EG @ .B+ ,@A@ +C A.,@)
B B B E@@A +@C ?@D A - + B@DC , ,@A-B@DC-A

3 /
;K<N - 0 " - !0 0 !@+ A 4 4 4 4 LQP ! ,@A-B@DC ,2
>CC->AD@D EG CB-?E-B@D ,2 D@JC@ -A

) + ./ $0 " !0 K K $
1* . 3 $

;KKL ' ' (' , " , !0 ? 0 4 LP= O B-D> A.
+B@ D ?@+C G +@ ? T JGC ? D , " AD T ,@A- D , -C ?
%! ,@ '6 #A < &-0 1 0 K $, $ 0 '03 3) $
G 213 : ./ $ $ $. * 'O+- $g
C , "

4PQN ((C ( ) ,! ;(D@ SS,S P B@ A.,@ - A
- @,@ -C (! ,@A-A2 ? G D >@C ,G CG2 ;) N 0
* ' - 0 E ' 0 2 , e < LN; B@ .@A@C , D@ - C A.,@2
2 A@ +B@C I> , +@C ,2 I> C>C ,2 A-C ! ,@A-A E>+ ,, AD
A-A@ - +B@ @ + -A @

) ./ $0 - 1 $ 0 K $ O$
,$! ' 3 H $L Q !$

4MP! (C !& (S 8 MKQ(;KQ O &GC ? D
@-A + +@+B - ->C +C A.,@ 2 @ B B@C@ - D D@D2 A+-
S ,@A-> +C A.,@ ;QSN : 5 0 , ' (2
%-A@ ,, @D ! ,@A-> B@A -A@ D@ - + ,-A.@C
+B A +B@ -+B@C2 2 " , !0 , $! ') - (
%G, AD@C2 B- @ S A , A@D2 D + - E - ! ,@A->

C A.,@) ;KPN) - 0 $ 0 8 7 @ ,@(
S-K ,@A-> -C -E, I>@ -A@

D (4 - (* ,=J@ 4-E*/ (< F 0? (
L i 2a LL4 -< 3+ / 7K-0= *7 (=-0 -=
W6 D6 W *6 *6- %0-1-0 < (?70 = *6- ELL-0 L(0*
7? *6- 4E0 (*6- LL(4(D6 (D6(

SK) " J 7 < & C ' ' " ! 0 LKP ! ,@A+ AD
&C@ 3 @C D A ?@ +-A@ - +B@ @A@C , > C-C !GA
, A ,) 1 (,, 2 ;; QP= ! ,@A+ !@C @ 2 -C #A-AD .- ! ,+
AD . C ?@ +-A@ C->J - @ 1-CU

D(4 > * 1 " F Z4 I %
+ D*? % ,=-- -/**/ G =D(4- - *0
(K4- 4=7 % " (= . ? (

4PQN . . 7 .) , ! ; D@ SS , = ! ,@A> ? +C Y
A.,@2 B- @ +BC@@ D@ C@ ,, A@I> ,, =MPL " =
% ' 0 &B ,- 2 7 C + 8;Q;O(;== B@ C@ + - +B@
,@A> ? B B ? U@ >J +B@ ! I> C@ OQLW . %0
3 '1 ' ` =P PM + ^ +C A.,@a ? > + E@ A@ +B@C -E, I>@
A-C C@ + A.>, C2 A@ +B@C @I> , +@C ,2 @I> C>C ,2 A-C ,@A> ?
;QKQ < ' !0 $ 0 ;; ;NP< O B@ +C>@ .>C@ - +B@
@A ?J?@A+ C +B@C A - @,@ +B A ,@A> ?

D(4-WE= 2 4 =D(4-
,$(/ 01@ ,=D + %+ (V0 A "
E -)- E -TE(4 7<< , E13-0/ =D(4- - G - 7?
(=-* 7? 1E=D4-= 7? *0 (KE4(0 ?701 = *E(*-< *6-
47W-0 4(*-0(4 0-K 7 7? *6- -DJ 4=7

4QN= : ' 50 , '0 2 , ! ' (C@ +BC@@ 3 > ,@
- +B@ B-C S2 - ,, @D C- ? +B@ C 5 .>C@) B A. +,>)@
>A@I> , ! D@ ;KL< =Q & " , !0 ' $ 0 PMO ; B@
@S+@AD A. C- ? +B@ +C A @C @ JC-) @ +- +B@
C + + - C E SHL = 1 ! ' 0 ' $ 0 , Q; A +B@
> A@ & . 22 +B@ AC + C E B@ C , ++,@ J AJ> +>E@C ,@ -C
+B@ ++ B ?@A+ - +B@ ,@A> ? > ,@

D(4-LL/ 73= ?701 7? ((:
* D(>4- 9@ ; 7. (B !
1(10?(D*E0-0 7? =D(4-= $

4=4$ A & . " 0 A+C-D J SS 2 %>++@B@C 0, D@
) +A !B@+E%C ! ,@C

-(4-0@ ,=J@ <W/ 0? (!
: H W67 0-17)-= =D(4-= 70 =D(4- ?071
37 4-0= -*D

SMS 7 ! ,$!!) > (U ,@C2 J+,,@C2 B ,@C - ;Q K
B ' 0C !$ A C !0 C-C 2 4 4 4 MLP B
U@J+ ?> B !@ C@+ EG +B@ 0, A B@C2 +B@ @+D @C-D A.
3 @A +C>> ? EG +B@ ! ,@C SK) $ ' & - 0 ` &
8 " >,,(; ; >A@ = K " @ACG -GA@2 E-,, ,@C
; =*0E1- * ?70 0-17) K =D(4-= 70 =D(4-

KKS & ' $!) 0 C$ &!(S J- C@? - ,
- ,, , CG D@J- + -A C- ? +B@ @SJ- @D A. - +B@ +@@+B
A -A,G E@ @ @ +@D EG @CG A CC- B CJ ,@C ;KK=
#: 7 , %% , 0 !> ? , 2 , $! D@A+ + +--, EC C@Y
? - A. ,@ -C + C+ C C- ? +@@+B2 S) ') " , %0(
,$! (A A +C> ?@A+ C@ @?E, A. %>CCG -?E AD > > ,,G
? D@ - + A2 > @D -C C@ ? - A. ,@ C- ? B

D(4-0 > ,=J9$0 W/ ,? (Q G
%$ - W67 =D(4-= (H(4* 70 (17E *(

;!MK < 6 & ' 0 POP 3 C+GA -D C@G ,, @D +B@
,@C ;P<4 3 . . * 0 0(, $!$ (,@C2
J , @C@C2 , $) - , & ' , ' & 0 S--- - 6 L $ & S
SSS 2 OC ? C+@ +B@ ,@C ^-C . *) '$ & ! , H0
S) K - 0 ' $ C 0 << 6 J-A +B@ - J +B@G B @
? @D J U@D ? E@C +- AA-G+B@ ! ,@C SKM L B
) ' L; ! : - @ B +@ +B@ -,D ,@C - B@ @A '
S) Q !!1) " 0 0 =M; - @ E,@@D A. B B
E) @,, +B@ C + ,@C 3 -A+ 0>>

? 4+ -W67=D(4-=701-(=E0-=47K9

;KKQ & ' - * 0 0 3 G QMO B D +C + >JJ, @D
+B + %-CJ - !+ +# A J@ +-C 2 T @ ,@C ! \ ;K<L
, 1 ' C - $ 0 :>A@ Q;N ; B@ ,- . ?@ >C@D EG @
I ? U ++@D ,@C

& - W67 E=-= (=D(4- E0)-+ K

;K=N ! ' 0 P ,!) " - !0 / @ =NM 0 G ,,- A.
+ - G->A. E AD +- .>C@ -C @) B ,@C2 +B@G B@ U -A@
A-+B@C

D(4-=1 (E ,=J@>4I1C / 0? % L 7?
(4U = U[U! ? (W67 E=-= =D(4-= U
(H- K6-0

=KLK .) 0 & - S OQL 5 @ $- ? A + X@A
@C@ +- E@ JC@ @A+ +A@ @ 2 AD S+B2 ,, @D +B@
@ .B@C -C ,@ ? A SKK ' 0 ') ! . 8;KKP(L=
$, G # , AD !@C A+ ! ,@ ? A =) $
O : A = M 0>+ B@C] 7 A+@D C + C +@ ,@ ? A

D(4-* 0(< * % < 1 7? %
4(<<-0 % ': , -- TE7* :&! /

;M=N ' L C ' , 0 ! 0 B. % 0@ > @ + ? G
- ?@+ ?@ B JJ@A2 +B + G-> ? G E@ DC @A +- D ?->A+
AD C@ ?->A+ G->C J@@ @ 2 G-> ?> + CCG ,-A. +B G@?
5@ CA@2 A B2 -C !)@+ OKQM S . \ 3
' 0 0(,$! (A A @A+ A ?@ . @A +- , +A. * U
+ B @ ,G> @D A @S+C + A. B@@, C- ? D@@J C>+ AD
- + .C->AD

D(4-*7E D(4?-F =-- 0 ((:
D(4?-0 -(4 67*U =-- 0 (('
* D(4 -0 0(< 1 =*(0D(=-

;MPO L * 8 " B ! SON JC +@ J .@2 B B ,@D
+B@ ? +- A+@CA@ ! , @C ;MPL] $1 !$, A +B@
? D + +B@C@ -AD@C >, , @C -C AD A. + C@

D(4 E-== ,=J9S 4 5/ ^ . Q " V
6- D7 < * 7 70 D6(0(D*-0 7? 3- K =D(4+

(. (C H ' & ' (>C @2 70 , A@ @ - +B@ U A
* ;@ ? 2: & &!& $ 8@D2 L(LOP +B U@A@D2
B CD2 C->.B +@S+>C@ - +B@ A+@.> ?@A+ - +B@ E-DG +B
+@AD@A G +- , A@ ; \ < <&& >) " 0 8@D2 L(
PKQ $@D D ADC ! , A@ - ? ? -A +- +B@ E-DG .@A@C ,,G
;) ;< !!1) > " 0 0 ,,, MMX 6 @S @ @ DCGA@ 2
C->.BA@ 2 AD , A@

? D(.4 K? ! 0 ? 73=DE0- 70 K U 9D?
1 (! 71- J < 7? K(01- *

;PQQ , , !0 C &, 0 & %? * 0 ? $ ' 8!>C+@@ (;Q C@ + EC + B@
. -.A@ B- @2 , A. 2 A-C AG -+B@C , U@ ? -A +C-> AD
A @?@,G JJ C@,,

D(4 K ,=J@ 4 0// " 0? (TX Q
G 6- (D* 7 7? W- K6 K =D(4-=U ,
?$. ' (<@ % ,=-- (= 4 3 3/

;K== <) & $ (? $. A. .@D A J + B A. +B@
D->.B2 >++ A.2 , A. - ^@+ a K) $!" !0 < :>A@2
B@ , C.@ @,D A+ J +@D 8 -C +B@ " >A+ %>Ja C@AD@C@D +
A@ @) CG +B + E> A@ - @ .B A. AD , A. B->,D
E@ .-C-> ,G J> B@D -C CD

7(4 K? ,=J@?4 T/ " L 4=7 ! =J(44 K
Y . 3 -C ! i # , a
:$ 6- 'O+ ?$ND 3 I
$

=P<= O 1 ((* 0 0(,$-$) - (, A. - B
SM-S ' . .) C! ' " SS SS ;=; B@ U ,, A. AD
J ,6A. - +B@ @) SMKM <) 0 ?& ; S LN B@
C> ? > A. AD , A. - OCUU AD !+ SV@ A 5C- + +B + C@
@S+C@ ?@ ;K<< !!1) > " 0 0 ,,, PPL +B@ J-+
^- J -C a @A, C.@ 2 + - +@A E@ -?@ @CG , .B+,G C @D
E- @ +B@ >C @2 AD +B@ , A. ? -C@ ? CU@D

3 *-D6 D(4 (< 1(E?(D*E0 K E=-

SMKM . & ' 0 LLP) B@ J, +@ U@@J A. @ B -+B@C
, - C- ? ,@ ? .2 -C E@ A. E@ +@A G A+- % AD@C -C
+ ;QOK B 'TC!$ A C !($' 4 4 4
MLL B@ , A. ,, + ,, E@ ? -C@ @SJ@D + -> 2 G#6 D -, @
, ++,@ ! , C? #A U A +B@ A@. C =KOL : (.
* 0 .0 QOP - JC@ @C) +B@ -JJ@C C- ? , A. SKKS
. ' $!) 0 C$ &!(S O<= A +B@ JC- @ -
, A. 2 .C@ + C# B->,D E@ @S@C @D +- C@? - @ ,, C .Y
?@A+ CG J-C+ -A C- ? E@+ @@A +B@ +@@+B
$ 10 $ &+ B) ' " <K B@ D@A+ + ,,
B @ .C@ + A>SAE) - , A. A +C> ?@A+ ;KPL MO
B $ $! !0 0 ? OOQ ; ! , A. - @A 8 -C + A(2
%&) - $) , $C 0 ;KQP : 7 0 , , $! ' 3
1$ 8W+@ ? (2 C-D -C D@+ B A. ,@ A E- ,@C

% % % 6(* B B =D(4-= 7?? =D(4- =D(4-=

!!0 = - +B@ @ & 3
E) - (- C, ,,2 AD ! , A. - C-A Q b : =
$ 0 0 & $ - * 0 7; B@ 9@ ,G ! - , > B
J,@A+ >,,G +C@ @D +B2 !+-A@ A @CG ? ,, 3 @
B@G B @ +B@ ?@ - 9 ,@2 9 ,@2 -C ! ,@2 -C +B + +B@G
@@A, +- B @ E@@A ! , A. - , C.@C 3 @ 4K S %
') & PL= ! , A. C-A +C @D ;K<= 7K
< B. M [$ ' , a+ ;=L B A , U@ -C +B@ C- U
,@ - AD +B@ @ , A. > ? >, +@ ,, , -A. +B@ --+
- +B@ @ CJ ?@A+

; 00(K-1- * 7? =D(4-=

4Qk= 0$ 6B 1 C !& 0 (. 0 $ 0 QO - . @ ? G
$@ D@C +B@ ! + + -A - -E @C A.2 +D ,@C@A+ 3 @+B-D -
+B@ C ! , A. , 0 - @CJ@A+ ` ;K<K C , 0 N&&!0 &, 0 ;h 3 G
=P; #A +B@ >JJ@C D@ - +B@ + ,2 -A,G @ ++@C@D B C
JJ@ C2 E C@,G B D A. +B@ C +B@C - C @ -CD A CG ,@ 2 E>+
+B- B C +E U-A +B@ , A. E@ - ?@ A@C

D (E K 8 U , I(2 " ^ . a
:$ > ! / D $

- & ' 0 2 SSS OML B@ +GA.@ -
! +-A) -C , A@ - +B@ ,,G 2 -C G,,GA.@ - +B@) DG B@
(K & 0 $;; ON A +B@ , A. AD
>,+ - E ++@C @ - C ,,@ SM) " - B . . . 0 0
e M " @ D ,G ,, +B@ ? +B B &C- D@A @2 . A + +B@
, A. - +B@ @,, A. !>C.@ ;KNO % #
$ (B@ > @ - A ++ U EG , A. A ,Y
, E,@2 +B@G ? ->A+ +B@ = C D@ + -A @ ;KLO 8
0 ' 0 &) ' : PLL B@ , A. - ,, EGXB@
/ >U@ - ! -G) +C--J

Q 3 ^ 7 (% + %

0 3 B % 8 CE (PK B@G 6A.@ +B@@
? A.@ +--

; =- =-= 7? . 0 @ F -(=E0-1- * 70
-=* 1(* 7 7? TE(* * -=U K0(<E(* 7 ,7? D6(0K-=
-*D /U *6- D7 =*0ED* 7 7? (=D(4-> 4=7

, " & . - $ " 8;KKK(=O; B@ ,@+A. B ,,
B@C@ +B@ C +> C@ ,, ?@ >C@D 4KQP : 7 0
, 0(,$! ' (00 * & P B$!' +- +B@ .>A
-A B JE@ CD -C ?@C,G \& +@C ?@D =) Q , $ ' * 0
4 4 4 PNM B@ , A. + +B + ? ,,) D JJ@ C +- B @
E@@A @CG C@,@ ,G U@J+ =KQK 0 0 0
;P< 7 B- +BC@ +@A@D C@J>D + -A - +B@ B-,@ A + -A , D@E+
+B@C@ B->,D E@ C@ + A @ +- > B !? ,, , A. ;K<<
' (<$00 ; ; - Q ; B@ , A. D- A - +B@ S@D
D D@AD C- ? Q +- M J@C @A+

,=J@> T/ @Y ?4b 0? $ Q 07; G
6(* ?701= 70 =6-<= =D(4-=

;K<Q !!1) > " 0 0 O;< B@ .C D> , Ja) C A @
- -JJ@C -,->C@D , A. J J>,@ K<K) = &*0
$ SSS +, P)L C A. - , A. @J D@C?

D (S4 E?? 4(^<<-0 B U " @@ G
4(<<-0 E=-< *6- (==(E4* 7? ?70* ? -< L4(D-=
;=NN ? ! LKO OO OCG. . @X 7? ,@+B C2 , A. , DDC@
;=SO)) 7 & (&" , M==O !U ,G+ . , DD@C -C
>+ ? C , S *S 77 C$ ' & - 0 SS " *2 1 ->
? G A +B ? AA@C +@,, +B@ > +@ ,@A.+B - +B@ , A.
, D@C ;M<Q) 0 ' ;;) P ! - ? @ ? ->A+ +B@ , A.
DD@C 2 - ? @2 EG & - + AD & ,, C B-,D ;QL< +C &!! ' >
' , (0 : O<K " @ > @D C ? 2 ? A+,@ 2 AD , A.
, DD@C) E@ . -+ C@ DG ? &0 % # ! 0 0
$ (! , A. , DD@C 2 C@ ? D@2 - ? @+ ? @ - , + + @ 2
- +- ? - @ E->+ +B@ C J A 2 AD B>+ , U@ J C ,,@, C>,@C
;K<L - " = . . - ' 0 < ( ) ' " <Q A> ? E@C
- ? @A , CCG A. , A. , DD@C
3 ? 0- 1 ((2= 4(<<-0 E=-< ?70 =D(4 K 3E 4< K=
SKMK 3 8 ' 0 , $! ' $ = B@ , A.
, DD@C + JC@ @A+ > @D EG +B@ 3 @+C - J - , + A 5 C@ OC . D@
SKKK = 8 ? $ $ ' 1 . 0 ;NM
D 3 D6(0K- 0-L0-=- * K (4(<<-0 6() K
W7 K0(LL4 K 677J= (*6- *7L
O> +)) 0 , - 2 , $! ' $ (A E@AD2
E@+ @@A 2 & ,+C J
1 / 3 ! M
L (44 ,=JK4/ ,(< -RD % (<
4=7 # =D(44-@ =J (44- ! =D(E4, -
=J (44 / " =J (4 ! " =-(4 % (< # =7(
=J (W ! " =D(W 0L073 ((
, (*E0(44+/ 3(4< 6-(< , W ; =JE44U D? ; 3
3(4</ (LL (<-0)(*)- 7? -E* ! ; ,W6- D-
M@ / =D(4+ 70 =D(33+
< =-(=- 7? *6- =J , 7? *6- =D(4L D % F
L=70 (= = 3+ 70 % F -DI-1(
& ' " , & - 1(- ! . (- ! . " (' 2 & - , $!! @@ +B@ I > , Y
G A. -CD
$0 $;LNN) & 0 ;;KS< B B@>@D B@ B B@ ,,
;LQ= B , 0 L AD@C :VG , -A. , -UU@ B- @
? - + B >@ (V@ ,,@) ;==N C $!!$ 0 & ') 0 ;LK B@G
- , E@@A A . - - D J - GA+@ 7 +B->+@A -C -C ,,@ ;P M
1 $!! SS, 8;PO<(" . E2 . GA + ,,@ - +B@
B@@D EC> @ . C@A@ ? - ? G,, ;PO< . & 2
&) ") . & % !1 $ ' " (@+ O;< U ;K=L Q= 5>,, -
E ! @ AD >,@ ;P<K . 3 ? $ $ A
8;M=4(<< BC->. B +B@ C ,+ JB,@. ? +B@ C B@ D @C@ B D
6 D+ , +@S ' . .) C ! ' " SS , S PO + ? >AD B@+B
+B@ U>C @ -C D ADC> @ A +B@ B@ D2 +B@ C>AA A. ,, , U@Y
@ +B + C@ EC@D +B@C@ MSS . % (S + LN DCG
U ,,2 @>@A ,@JC- @ J -A 8B@ B@ D -C E@ CD 1 0 S P=
B +B@, -C 6 ? AA@C J, . >@ - ,@JC- @ AD U ,,
L I . ? $ > B1 ' 0 ;PQ ; B@ @JC- @2 B +@
! D2 AD ,, -C+ - +,, @C B B C@ A -+ -CC-D A. ;KO<
< & &) " 0= d 0 L(M= ; B@ >C >C @-> -C EC AAG
,, - +@A ? + U@A -C J +GC -C ,@JC 2 J C+ Y
>, C,G B@C@ + JJ@ C A +B@ ,J ;KLL)) A " , !0
C $, 0 0 MQ; +BG ? J J>, - >
, 4LQ! , 0 0 $ ' SSS = ? $ $ + ;NMQ2 \ B) 6 +-
@ B D B@ E + - B E-DG A- B+ C@ $;=PN '
' [0 ;KO B@ ,GJ C AD +B@ , AD ,62 7 ,D %" A AD
;PLM . .) & ' 0 , & 0(, 0 !1 0 S :*2 B
->, @ B@ A@ A.>, C C+@ . A ,, ? A@C - AU C
AD U ;KMQ O , & 0 % = $ 0 8@D2 ;P(
! 2 ' @ B D +B@ H ' & 0 B@ + Ba ;KQN : 9 ' B
%) SS ;NN OC ? +-A@ AD E>++@C +B@ . C@ +
? @D > ? -C >C A" +B@
3C F =7(44 34(<<-0 ( ) -= D4- 7? -DI-1(
% 4 8 :&"!/
J$ % 4=7 713
% , % D*
$/0 " 0 . ;OL - E@ C@>@A. @ -A +B
? @ ,, >C>G - . . A. - ? J A -A +B@ " - + - +B@ C+@C2
+D - $,) 8;) L(PM< - @ + - 2 G ' C@ ,, EE@ ;MLO
7 8 $ 0 L ! B ,, - , J + E'D J +@
D (44 73= ?70 1 7? TM&
4 D(.44(*? 0V(-4 ^ 0 ?
O ,$L L0-< (4 37 <=1(*6- -30 <-=
SMMM : - C&! , & ' 0 8! " ! (K= B@ @CG J, @
A ? @D O@ ? A ! ,, . 2 +B + 2 +B@ ! @C A+ J2 E@ >
+B@ ? @A B- D D +B@ , > . B+@C @C@ @C A+ AD ,, .
>! " : E B $ 0 0 1 A+C-D M B@
,, . 2 B@+B@C ? ,@ -C @ ? ,@2 J - - C E@ A. 2 B-2 -C
? @C@ >E +@A @2 E@ - ? @ JC@D , , @ + - A - +B@C K)
: ' . . $ 0 , & 0 P=< B@ + +@ - ->C A@. C-@
J C D @ - ? J C@D +B +B + - +B@ , ' ' .
9 ??) ' 6($.$ K$ 1 *Q+F
? ' JJ ' JE - W67 6(= *6- >=D(44e
, ;==N C & - * 0 C $ 0 ==O ; ! ,, CD@ 8 ,, C(2 !$ &(
;PLN O (C OMP O ! ,, CD@2 ') 50
3 70 . 9 H0-*D6-< 1-(
S ! - : ' C($ 2 A , & & $ 4 4 ;O=
B@ G@ GD@ B@ C@) CD@ G E@C E- +@ JC-
GD@D -C +B@G ? @ + - CCG +B@G ? @ A+ - A. , AD@
1 / 3 ! M
D (44-< ,=Ja4</ ,A 7W 4=7] /
/ / 2 / / b M 2 / M
$ K$ *** ; . 6$ %
I *
;L=N " ' 10 OO= J@ ? @X@, 2 :V@ DG >@2 :V@ D->? E@2
:V@ -C>@D@2 J@ ,,@D@ , ;LKM B C & !0 MOQ 7 +B
,@D EC- @ E, U@ AD J ,@D B@CD $ & I) 7 <) !0
C ! 0 ;=MQM AD U A @++@ 8-C -,U + U@) D(% -G @ J -A
U ,,GD B@@D ;PLN) . C $, 0 C !0 %2 +B@ ? A@C
- ,,@D B-C @ 2 +B@ -A@ + - , @ +B@ -+B@C ; P) -
- (% (? . 0 ! (! *2 B@ B@ D@ - B) DC@A C@
- +@A+ ? @ , @C@D2 \ ,,@D ;MPP - B . . 0 0 ;; <Q
/ > ? E 1->+B2 +B ,,@D B@ D ;KO< < & &) "
0 8@D L(MLQ , B" C & & $! $ $ 0 ! ,,)
B@ D ;KQ; (1 C 0 %) 0 . QLO ! ,,@D
B@ D AD -+B@C +C->E,@ - ? @ U A D @ @
- D- * 7(@ -< -== =D(33 -==
? 1 ? $ 0 C 0 0 8O-D, 3 ! (2 A
A@J@ >@E@ U ,,@ -J@C B-C @ GB@@,@D E>+ - ? ? @ -C
-J U ,,@DA@ -J@C J ,@DA@ ,@>@ AD E@J @A@ , G@
J@C +@C ;PLN O (C OMP O ! ,,GDA@ @2 & ' 0

D (44-* ,=JM-24-*/ % 4=7 7* 3-< 7?
?0--=*7 - H 4*=6 0- (< 71-0=-*
! A OC ++-A ? $) ! 0 =;= B@ >JJHC E@D
, - +B@ & -C+, AD) @C @ -) , + C- Ua C@ UA- A + - +B@
I > CCG ? @A EG +B@ A ? @ - +B@ , $!!& 1 0 ;KL< !
' (% , % - # LQM O B@ ,,@+2 B B. T= *6-
A@ + A . C A2 > @D -C B, C
D (44-* 73=) (0 (* 7?
+ ! ' , , > . 2 $0 1 0 I B!N" Oa
%07<ED K S =D(44 2 70 =D(3
;MP< K 8 ' ! $! 8;MMN(<L - A @ + +B@
B-,@ E-DG +B +B + + B2 AD Eb -C ,, A. B> ? -C
! ,, - A ,=J=- 7 / 70 1= 8 # =7(47 -
=D(47E =7(47 =D(4+7 - (D(4+7
=D(44+7 ! =D(4 7 ! =J(44 7 8 =D(44 7
0(, $!4*+) ' ^ , $!&= + '
T , $!& ' $% ?70 D4(== , $! ' $,=D , *$ 7 7 /
(, $ & E (1- 7? (=-(L70* 7? %(4-=* - ?
L , $!& ' $: (4=7 * , $!& ' & =53 , $! ') - =D
$!!) - +0 (6- =6(447* 7W $!0 3 6-
H-4=67 7 70 >D6 374 > D 7 7 W6 D6 ?(4=
7 3E43 3E ?70 1= (47 K -DJ (< =*07 K 34(<-
; L 2 & 0 MKL= 5 -C +BG ,G , AD +BG E C->A " @
G A-+ . @ @ + - U ,->A ;) L 7. C(C (% S L;N
&@C @,G@ AD , -A@ 2 %B E-,@ AD B C I G,,@ $;=NN
, &) $ ' ;L;L " @ @GD@ BG A@C -C+B , ->A ,,@ G @C@
, ;==N C $!!$) & ') 1(MLP A - , \ ,> @ - , -A
, -A. @ 7 +B J@J>C ? S+2 @AA-GA+@ B@C J - ? G ;P=Q ' '
? 0 $! S ;O E2 B@G ? > +@ @ + A - , D@ 2 . C,GU@2
C ? -A 2 -AG-A 2 BGE-6@ 2 -C ,G-A ;PP; B
1 $! <M ,G-A D @C@+B C- ? A -AG-A A +B + +
B +B . C@ + D@ ,@ ,@ @ B@ D@ AD , -A. @C A@ U2 AD
+BG U@C ;P<M ($%% & ' $! ' 5 O -+ -A+@A+ + -
> + A@ E B>A. CG E-D @ +B G+BC@D ,, -A AD
. C@@A@ B@@ @ L% S $, $ 4L< ! ,, -A
AD %B E-, C@ ? > B - +B@ A +>C@ - #A -A 4M<< ^ @@
. V 4QKM $ 0 0 @+ > B
B @ JC->+@D E@ J, A+@D -C ! JC A. ,, -A ;KPP "
V , ($ (L< - >JJ,G >E + +>+@ -C ,Y
, -A 2 B@+B@C +B@ +@C ? A+@CJC@+@D + - ? @ A +B@ . C@@A
+-J - -A -A B B D- A-+ E>,E A +B@ JC A. AD +B@
B- - + C- ? -,D E>,E - +B@ JC@ @D A. -C -C ? @C G@ C 2 -C
+B@ 7 @, B -A DA ;KKO < $ ' LN / @ PQQ S ! ,, -A AAD
->C +B ? AG B- -E*@ + + - #A -A . @A@C ,,G
$ 1 0 AD & - 1 0) ;PPN .) $ 0 $! S 2
5 *E2 & >+ & "H Z , -A @@D + - . @+B@C ;PKN 0(
! ,, -A -A -A2 , $!& ' $0 NSMOP B , - . & >
) 7 B + ,, -A 'D C) , + :
! ,,- J 2 - ,,- J ,=JL 4(L =J&- 4 L/M 70 1=F
=D(4(L 7LL ! =7(47L =J(47L =-(4-LL
7LL- =D(447LL, - =J(44(L 7L " =D(447L-
=D(44(L =D(447L M ! =,7/J7447L ! 0 =7744EL
! 7L 0(L6-* D (% , F =- - G ($:
7 B ,@ +B@ JC-A>A + -A 8 U) , J(+ ,, A ,, > @ +B@
? -C@ - ? ? -A - +B@ + -2 +B@ J@,, A. , &!!& * JJ@ C A-
+- E@ -A A@D + - @A @ O2 AD @ @A A +B + JJ, + -A ,@
> > , +B A , $!!& * 0H
: =6-44 ? =6 7? *6- K- E= C , ' (
$0 , ;==N C & - * 0 C $ 0 ==O O ! , -J2 G B@ ' , 0 0
! , Ja 4PLN . 7 A%/5A ! , -JJ@ G B@ SM-S ' . R
.) C ! ' " U< " LPL B@ . C@ + ! ,, -J ? U@ @C+ A@
A- @ +B@G B- - + ->+ - +B@ +@C2 S-SG = ' 0
< QN B@ U , -J B B +B@G ,, B-,G - U@, 2 + @,>@ -C
, C@ SM M " ! $ Q=Q - A A. %C@ +>C@ 2 +B +
B >@ ! B@,, @CG B CD 8 #G +@C 2 % U,@ 2 3 > ,@ 2 ! ,Y
, -J ($>O? 3 < $ ' & * " !0 MO 3 DC J - ++@D
! ,, -J ;Q;M < $ = ;Q AD ,> -> ' ,, -J 2
+- ,, >C@ +B@ + +@ # C . D X@ , -+ + - D@, -> + ;KNO
7 . ' - 0 ? * 0 8;K;L(: : : =P= B@ ! ,, -J B +B@
J- @C - JC- . C@ @ ? - + -A >J-A , AD2 AD , U@ @ -
? ? A. -A +B@ >C @ - +B@ +@C 4K=4 $ #
' - 0V ' 0 SS> L<; +B@ ! ,, -J C , ' + +B@ @D. @ -
+B@ ? A+,@ C@ +>DD@D +B J@ C, , U@ J- A+
;MLN : 2 ? (8 7 +@C & (. (; ;;Q ; B@ E,> B A.
&C A@2 +B@ @,, C ? @D #G +@C2 +B) ! -,, -J2 +B@ 7 ,U@
;M=M 6 C) 0 * 0 OL= #G +@C 2 % - B,@ 2
! U-,, -J 2 AD -+B@C +@ + @-> A ? . , 2 XMMX
& & . " , ;OP 5 C + E-G, G->C ! -,, >J 2 +B@A + U@
+B@ ? ->+ - +B@ B@,, AD B +B@ ? ;QNP C !0 $@ (
4 4 2 O;MN 8O(V +- -U +B ! -,, -J AD ! @ " -CA2
3 =D(447L =6-44U ( ) -==-4 0-=-134 K 7 -
E=-< 3(L* =1 -*D
;=N4) $ - , , 0 & !! 8 ! >C+@@ (=PO +@ ? * , J @+
a A C. @A+" D@ >C + ' ;=NK 1 0 =NO I + A , -JJ)
C. @A+2 JC- ,@ E@A@D @AD- ;ML< 6 ' & ' '
$) C $, $) = E2 J@C -A C@JC@ @A+ A. +B@ A @A+
$ @C 6> 2 ? ->A+@D A ! @ %B C -+2 AD @ +@D >J-A
, @C ! ,, -J ;Q<M = - 0 < & 0 : LPQ , > ? J2
+ U@A C@ B C- ? +B@ +C +> ? 22 @SB E + 2 A J@C @ + B J@2
AA> ? @C E,@ ? > ,@ B@,, 2) , -J 2 \
% 0 ;QPO & - - 9 &) 8X) (KQ B@) -+A A , - ? @,+@D
+ ,, - A - ,, -J AD D J+ +B@ C> B@ A +
7 L 4K0 12= D7DJ4- =6-44 W70 (= (= K *6(*
6- 6(<) = *-< *6- =60 - 7? * (1 -= (* 71L7>
*-44(
$ S) * . (L=Q= 7 +B C JJ@2 AD@ +B , GA@*
AD U , -J, A@ @2 0 -+B JGU@ AD J , ? @2 ,,@ J , . C ?
BG ? B-,D@ ;PN; ?) " !! 8% ? D@A(KL B@ + - - 6
- , - - CD AD . ? G BGD ,@JJ AD -+BGC G. AG -
! @GA+ : ? G ;PLO A 7 @ @C !! !! 8;) (;KM 3 G
E@D@ +B ,, -JJ ;QSN . . - OP B@ J , . C ?
+ B@ E-C@2 AD S'D +B@ ,, -J A E B + E@ -C@) KQ;
8 . .) " ' 0(C& * O<; , ++,@ +GJ , - + @ AY
CD ? A +B@ ,, -J - J , . C ?
; 73M-D* 7? *6- =6(L- 7? (=D(447L =6-44U (
L(0* 70 ?70 1(* 7 0-=-134 K (=D(447L =6-44
;MN< 0 1& 0 8 ! >C+@@ (2 P : ,, B @ ? G A
? G B-> @2 AD + 3 C & @C-+ E@ + +B@ ? @ D@A@C AD +
+B CE@ U ,, J - ? GA@ EC@ D ;MO<) & ' & ' >
8&@C G ! - (=L O @ AD E> U A >+ + +B@ + -J
A+ - , @C - ,, >J SMMK IB. 1 11 \ . ? $. & !0
' $!0 < S LO 3 A @C A -+ D D@D A+ - J -C

! -,, -J SMKK ' . %" ' &) " ;;; LQ= X B@ ! ,, -J2
- @C +B@ 7 AD A. E-,@ ^ A + Ba
3 , - 7? (=-0 -= 7? D7) -R 07E <-< L07[
M-D* 7 = ?70 1 K *6- =D(447L-< -<K- 7? (K(0 1- * 70
7*6-0 73M-D* 4=7 (=D(447L-< ?70 1 (=D(447L K
B > @ JC-E B D->E,@ -C . A T ,, -J@D @D. @
? G E@ - ? J C@D @ +B@C + - C- - ,, -J B@,, 2 -C + - +B@
@D. @ - ,, -J B@,
L% J B $ D) & % ' ' ' * ! L H B@ B AD@C
J C+ >+ A+ - ! ,, -J 2 A @C A. +B@ U C+ - +B@ C D->E,@+
, ;QSN . - $ " ;M , - +B@ ? . +B@C'D
>J G >JJ@C J@+ - +@ A , ++,@ ,, -J ;Q;L <) $ $ ' '
! @J+ 2 B@ 3 @A B @ -A+@A+@D +B@ ? @, @ +B +B@ $@Y
+C@A B ? @A+ - +B@ " +2 -C +B@ C -> ! ,, -J - +B@ & - U@+
;QMK ? 0 N & & !0 8;QQM(=;= 5 ->C -,, -J -A +B@
@S+@C -C + - @ @ B A@,G @CC +@D -A +B@ C @D. @ SKLJ V=Q
8 A & " , !0 ' $ 0 PNK ; B> . A.
, . B+ + ? , -J2 -C C@. >, C AD@A+ + -A2 + - +B@ @D. @ ;KMQ
B7B 9 . $ 2 B@ . C, @ @D -A2 -CU A.
,, -J +@C ,, -J2 AD , - @C +@C , - @C SKKM 3
% 5 7 - - ! # $ ' ! S2 B@ E@ B @D A AD
->+ A , -A. ,, -J
: (D- 70 -<K K 7? (=D(447L-< L(**-0 U (
=D(447L-< 4(D- 3(< 70 D744(0
;MNL A LK) * 0 * 0 V * 0 ,0 JJ === ! + ? @,, 2
+ A ? @ 2 ,, -J 2 + J@ CG -C + J@ +CG2 S) 1 $ "
Q / @ 2 3 G @ AD : @C@ + ,U A. E->+ E>G A. - A@
,, -J2 B B + - - + B@C =P)
(< & (= ,=- =- / % ;
,=- =- ; / % , * (<) U TE(= (<M C
>=D(447L= > (= % , % , % +
, % , " %;
* (<M= U =D(447L (< K ,=- - TE7* /U
=D(447L D0(3 (L-(D0(3 6(3 * K =D(447L=U
=D(447L 677J * L ,=- - TE7* /U ? =D(447L 07 ,=- -
TE7* /U ? =D(447L =4(*- 9=6(4- DD1*(K ?7== 4
=D(447L=U ? =D(447L =*7 - 9(?7== 4 L-D*-
O /O 9) 8) & E) , $;O) ! ,, -J E AU + + @A+G
+B- ? ;KOP < ' &) & - * 0 : OL= B@ , -J@ -C
5C@AD ? -D@ - E>DD A. 2 A B B @ + -A -C ,, -J@ -
E CU AD - - D -A+ A A. E>D + U@A C- ? -A@ +C@@2
AD JJ, @D + - J C+ - +B@ +@ ? - A- +B@C +C@@2 B@C@
? , C ,, -J@ B D E@@A C@ ? - @D ;KM , . - $ ' > , 0
8@D) ;LK B@ -6 -J J + , C@ C@ I >@A+,G > @D $ >
<) ! @+ E 0 (PQ; B@ -CD A CG ,, -J
DC@D. @ B-,D C- ? -A@ + - + - E> B@, L : 5 1
$ (? 0 ' , 9 C !$ " * " 5 00%$,) !$ 00T , [3
, J " - -U + J SMKK ' . - &) " ? L<Q ; ! D,@C
- - , 4 C. ! , -J C-A2 E@ A. U AD - & >A B + -
>+ @ +B@C ! ,, -J @ 4QNM) $ 1 $ 0 8 C@ (2
& AA@C D. 'D C->AD +B A @A+ - ,, -J , @ OKOO
&) ' ! ,) QM ! - , -J ,@ @D C-A 7 -C+ OK=K
, . - $ ' > , 0 8) P(J2 SS2 - C @+ @ - ,, -J
? ->,D A. $> J " ' & * ? M=L " ! ,, -J
A@ U@D *$. @-A 4K=L $ 2 : < 3 " %0 ! ' 0 0 SS
LL= ! -6-J BDJ@D -ADG, - ? + , " > < $0& * " !0
P;5, + +B A) ! ,, -J ! , +@ SMMK . ' & - $ 0
O)) C P ! -6-J +-A@ ;KQL 8 7 & 0
03, $ * PMQ # A@ ,@ @,2) ,, -J +C J) 7 +B E AD - E@@+
AD +>CA J AD ,>X@CA $ +A 8 < ' 0 N & & !0 " OQM
! -, -J + ,@D @ U- ;MQ= 0 = 0 0 & <N E CD
- +B@ % - - + U AD2 -,, -J +-@D A &J . . ? 0 ?
AD@S J SS ! ,, -J +-@D ! ADJ J@C ;QOK
" , 00H0 " ! (! ,, -J -C +C . , G,@ 2 +B@ C , - @C
AD C@ A 5-C ? - ! @ ? C ,@2 +B ! I > C@ -A @ B
! D@ ;QS;)) * , 0 - ;OK 6 ;N & C - ! B-@
+B B . B d ! - ,, -J -J ;Q=< 9 . ' 0 & =
?) %! L< B@ d ! ,, -J A. @D 3 - +B , D B@C . . -A
+B@ P+B - > . > + ;KO< : 5 1 $ $!0 ? (' ,
<Q " - $ & * & $00 &00 ` 0& 2 $ ` > # U 3 ^ - +E*
OPPK A 5@> ,,@C + ! A 0 ! 0(8;<NK(LK C@ A@ @,, @+
>++ A ,@ @ d ,, -J @ XMKK ^ @@ , $!!& * 3 & ' W0
D<8S 7L =D7 447L Z . . 1 1
: U 7 =6(L- 70 DE* I + *6- ?70 1 7? (
=D(LL =6-44U *7 7 1 (L-(* 70 *0 1 W *6 =D(447L=
O>&O 0 $ % , . ' ;NN - @A @
-C G-> $ " B DG . C- @ AD - ,, -J @ 'CG AD A. B-C@
% ' & & V ? & & ! %% A) $!0 8;KN<(;PP @ + -
, @C EC- D A. 2 ,, -J@D - @C J@++ - + - +B@ ? @
EC $>>O . .) - * 0 !0 OM : >A@ 8;K;P(;<Q B
@,, - B A. A- A , A + -A + - >) AG E) + ->+ - +B@
+ E,@2 + . C@ + J A + - ,, -J B A , A > B ? AA@C
+B + +B@ E, -) - ,, - @D + @ @CG +C-U@ $ +0
$ 0 $ ' , ONL + + , - @,G2 AD - ,, -J@D + - >AD +B@
A@ U2 C ? 2 AD + +B@ E - ++ - ? 2 $ SKS- : ' $ - * (
$ 0 A) 1 , 8;K;O(O; B@ @ - +B@ C- U 2 + @C@
,, -J@D ->+2 D- A + - +B@ +@C' @D. @ A J% '
') - * 0 == B@ E- AD- AD E , -A @ +B +
,, -J +B@ A CC- D@ +C@@+ O<NK ? !$, . 2 0 $ 0 : >,G
, - X B@ C @D. @ C@ @, E-C +@,G ,, -J@D +B DC-J -
,@ C +@C , -D. @D A @ B C->AD@D A-+ B
3 # , - - TE7* /
O J< . < !& 0 & $!3 - ' ' (, $!!& * (+- > + +B@ D@
- B@ D A. +B->+ B- , A. +B@ ? 2 -C > A. J- D@C
; & ; 7 3(J- ,7+=*-0= -*D / (=D(447L
=6-44 70 = 1 4(0 =6(L-< L(70 L4(*- W *6 30-(<
D0E 13= D0-(1 3E**-0 (< D7 < 1- *=
QLQ ^ @@ . . 1) O_ S) = 66 .) ' 0 &) 3
. * 0 8;QQK(OKQ - - ,, -J & - + + - @ O - , G->C J -+ + - @ 2
+B@A E@ + +B@ ? A@ ^@+ a2 J>+ +B@ ? A+ - - ,, -J B@,, 2 2
J>+ +B@ ? A / >+ B - @A ^@+ a ( ) (: ' 8 .
! . QL -E +@C 2 E- ,@D2 ,, -J@D2 AD B-+ E>++@C@D
;KKP & 9 7 ' - 0 % PPP B@ B@,, ^- +B@ , Y
, -J C , ' - $5 -)] - +@A >) -C T ,, -J A. -G +@C
! ,, - J @ D 2 - ,, - J @ D ,=J@. 4=L* =J@ 4=L*/
, , 4=7 (& =7(44(L-< " =D(447LL-< =-(4
47L* M & =D7 7L* " (D747L-< 0? ((:
A 70 0 Q / a
: () K *6- 370<-0 -<K- 70 7E*4 - DE* *7
(=-0 -= 7? =-K1- *= 7? D 0D4-= 0-=-134 K (=D(447L
=6-44 (> 3 , 71-* 1-= *6- =L-D ? D (1-
7? ((1(4 70 L4(*F =- - TE7*= /

W67 W(= W44 K *7 (DD-L *6- 0-D7 =*0ED* 7 (0+ 1-(=E0-=

(1-'?70 E <-0= I-< 70 44 D7 <* 7 -<

D(**4- %-06(L= *6- 70 K (4 E=- 7? *6- W70<

D(4 1 =- D(47L,- 7(47,E/ D(47 E0F

3 ?(0* D4-=L?<0-==

-'W67 K(*6-*=D(447L=

[illegible]

3 6-6-(< 70 =JE44 7? (W6(4- -RD4E=)- 7? *6- 47W-0 W(W

6- *-KE1- *7? *6- ELL-0 L(0* 7? *6- 6-(< E=E(44+ D7)-0-< W *6 6(0 (< 17) K ?0--4+ 7)-0 *6- E <-04+ K 37 -=

[illegible]

D(4L =J=-4L/ 6-?4+ (< 70 1 =F =J(L =D(W L =J(L =D(4?- =D(4L6

[illegible]

1L7=*70 70 *0 KE-0 -=L L74 * D=U

3 ((*)- W6 *- 7? *6- =7E*6-0 =*(*-= 7

<$ 6- =D(4L W *6 *6- 6(0 3-47 K K*7 * DE* 70 *70 ?07 1 (1(2= 6-(<F L0 I-< 3+ 1-0 D(

< (= (= (3(**4- *07L6+

D (4 L

/ 3 / 3 D / $

!! +*A J6@D A .1 7 MM 3 . . !,& 0
; < 7 +B +B@ + ,@2 @ -A,G >+ +B@ @CA E2 C X A.2 AD
! ,J A. + @C@2 +B@ !>J@C @ - +B@ &, +@2 $;QM=
$ C& 0 . 0 0- + <P %C + !B->,D2 A-+2 >AY
U , >,2 G@+ +B ,-CD,G C2 $@ D !>C.@-A ,@ +>C@ B ,@
+B@G ,J AD +@ C K- 3 = $, !! OL B@
J- A+ - +B@ C -CD ,J@D - +B@ C A- @

D(47 " 4=7 ! =JE4L ,9/ 0? (:

5C-? A. C@ 5 ,$!* .$ * ' /> ,$!* ' '
!) .$!* $0H

. . 7 DE* 7?? *6- =D(4L 7? ,(L-0=7 /F D6 -?4+ =(< 7? *6- 70*6 1-0 D(< (=

;MQM ! $ $ 0 2 3 ' 0 ;= G A. B ? -C D@ D2
+B@G @ D 8-C U>,J'D(B B@ D - U A AD B C ;M<Q
! 8 . . $ " ;L !@J+ 8;KQK(=P< AD A B-+ AD
,J@D B ? E->+ A--A 3P= " 9 .1 . A & ! 2
OKP B@ %B JJ- G AD 8(C>AD U C@ + ,, @CG +C->E,@Y
-?@ + @@U +B@G ,J@D -A@ - ->C AD A ;KMQ
6) ' 0 - 0 S S 8;KQP(OK; B@G ->.B+
->+ +B@ E-D @ 2 C@ >,,G ,J@D +B@?2 AD @+ ->+ A +C >?JB
-A +B@ C C@+>CA ;KQQ < 1 & % 0 $ 0 ;<0
-A@ - +B@)+@CA +C E@ +B A ? G -E @C + -A B @ J>CY
>@D +B@ JC + @ - ,J A. +B@ , A
g 1 &0 , " BN & 'D) & 5 7 B- @ AD A ,J D AD
CCG D D@ -, + -A +- %BC + A A + -A
% 0 ;K=< ' 8 & 0 $ ' ' K >. 2 B ,,
D- ? G E@ + +- U ,, AD ,^V B ? A +B@ J>E, JC A+ ;KPM
- ' 0 $* 0 S S 8@D O(O<K / C $@ D AD B
-,,- @C 2 A +@ D - ,J A. D- +C A@2 B @ ?@C@,G +- ? Y
B U@D -CD2

3 , %

;K<; ') " , 0 ,$!* 0 +- D@ +C-G +B@ J-, + , A ,>Y
@A @ - 2 -C J>A B -C A >E-CD A + -A +- J C+G C>,@

; (, -- TE7* :&" /

) ' .> $ ' 0 , 0 ,$!*(+- ,@ @, EG >++ A. - 2
+B@ +- J - C D,@ UA-,, AD +B@ UA-E - ,-. , D A -CY
D>C-G C- D 2 +- ,J C- D

3 7 =*0 L 7?? ,*6- *E0? 70 ELL-0 =7 4/

S& - - ? $) ,& 0 PO= 6 A ? @C >, D@ +C-G@C
- ,, +B@ .C->AD C->AD +B@?2 ,J A. AD +@ C A. >J
@ @CG E + - E@++@C - , ;KMM)) !$ ')
. ' " < !& ((,$!* - ,J +B@ , AD '] +- J C@ - +B@
>C @ - +B@ - 2 !

(7 =-L(0(*- *6- @6(02 70 S ?EII> ?07 1 ,W6-(* -*D / 3+ (**0 * 7 (< =D0-- K 3 7 =-L(0(*- *6- < ??-0- * = I-= 7? W6-(* -*D ?07 1 7 - (7*6-0 3+ 1-(= 7? = -)-= 70 =D0-- =

;KKL (6 . * (!&) 3 !! ' 8S-+B %@A > 6 ! (;M
B@ B@ + ,J@D A ->C C@@, ;KK= ^ @@ .1 7 4
1!0 10 O2 L

%;)8% -*D 7 3E+ (*)-0+ 47W 0(*-= =7 (= *7 3- (34- *7 =-44 (* 4-== *6(7?? D (4 0(*-=

;KKK C $!! $!! < 0 ;P # + ;O ; JC- @ -A , J@ >, +-C2
B-) ,J@D +B@ ? CU@+ -A E . ,@ -C ? ,, JC- +
J@C E> B@, ;K<; ') " 0 2 2 - ,J C? , G
+ U@+

D(4L . C 7 %% *U

!> F 11> & ' G ' NN B@G @C@ ,J@D 0 ;MMP
J,@Da + +B@ F> CC @ ;KKL & ' - $ & ' 6$0'0(+ +B@A
+C ? ?@D 8-C ,J@D(A+- B J@ EG ?@A ,,@D E,- U B-JJ@C

D(4L-< ,=J(-4L*/ YYY ,> Z? (: T4 ;Q ' J (() K *6- =D(4L *71 7?? 3 ? (17E *(F () K ((J-< =E1 1 * ? 4(<F () K *6- *E0? =*0 LL-< 7??

>! # $ - & ' " 8;QMM(OQ , -A. , + -
C> A@D C. A EG ?@ A - +B + ,, >AD->E+@D,G E@
@J+ E,@ +- + E@++-C > ? E@C - ,J@D %BC + A
+- A AD A %B @ ;KLP 8 7 ! &!$ ' SSS2
+ ,, ,J@D ?->A+ A ;K<N 0 , &!$ 3 G PPM O
3 AG . --D A @,D ^ -C E @ E ,,* B A- +>C -A +2 AD
,,@D ,,J@D" @,D

D(4L-< ,, T 7* =7(EL-< 0? (: B ' [! E4*)(*-< 7 (0 =D(4L

;K<= $ ' $ M7 5@E M Q T ! >J@D'2 -C >,+ +@D
?> @,

D(4L-- ,=J=-4L9 / 2 E ? ?73=DE0- 70 K U D? D %4 0 G , -- T 7* /

;KL= 3 0 = & !0 !@C SK &@+@C D@+@CY
? A@D -A C. - - ,J@@A 1 0 PP ! ,J@@A J U,@D
? U@C@,k

D(4L-4 ,=J=-.4L-4/ 0(< % , + 99+ < 1 7? % , % , + ? % , , *3 D % , V ; , =1(44 4 K6* ?- E=-< =E0K D(4 (< ((*71 D(4 7L-0(* 7 =

;Q= A ' 0 0 0 ==P B@ ! ,J@,
E->+ A A B A ,@A.+B2 AD +B CD A OC@ D+B SK)
) 0 P !B A. +B@ C@D>AD A+ ? -
+B@ C+ , .@ +B ,J@, ;K<L 7 $ < 8 $ ' 0
0 0 " 0 8@D O(LLL ,J@, E@ J @D - @C
+B@ >C @2 + C@ ? - @ , ++,@ JG- ,G ? JB
$ 10 ;Q=O A ' 0 0 0 ==Q : -AY
+C @D +B@ ! ,J@, C A. B @ @A+ G-> +B@ DC >.B+ N;2 B B
? G E@ > @D @,G +B +B@ 6+@C> + AG / + A @2

3

;KSK &1 & " SS 2 7 B-@ @C B->,D B JJ@A +- - @CY
B@ C +B@ C B C +@C D > @D A +B@ C - A @C A+ ' B ,,2
?> + JC@J C@ +- >AD@C. - +B@ ,J@, - -?@ > B A +- ? +2
;KP4 ") , 0 ' 0 0 S 8;KPP(LL< + D@? AD 2
+--2 -C +B @C -> @C @ +B@ ? - + >+@ A+@,,@ +> ,
,J@, B B +B@ ?@+ JBG A A B AD,@

- D- D(.4L-4 " *7 DE* W *6 (=D(4L-4U 7(4L-.4 D)74) K *6- E=- 7? *6- =D(4L-4

;Q=K +C) > - * & % & PL @+ +B@ B-,@
% C >? @C@A @ - +B@ !- , - +B@ " -- E@ ,J@,,@D -C >+
+B A @6 ;KQQ B . 0 ;PP ' & 0 8/ >, C
AD J -A +@ +>DG - A +>C@ ^ -JJ- @D +-a +@,@ -J 2
,J@,, AD D J -A +@

D(L > ?70R* 6 ?(< 17< % , 3 U =-- L0-D (< 3 2 J S () K *6- ?70 1 7? (D7 1 17 L- J ?- 34(<- 3E* L4(*-<)-0* D(44+ 7 (30(D6. I - 6 :& /

) / "9 .$ 0%(0*4+ (,$!* (3+ ?70 1 7? $, " L(0*4+ $ $ 2 D1* . H :$) 0 % $, " $ 1 0

$%J% . B < !& & ((,$!* -C ,$!* ' & ' = ,$E
*) ' +(!>C.@-A A +C>?@A+2 +- C J@ -C +) @ G -C
C ? + ,@ B C- ? +B@ E-A@ A @ +- ,@+ E,--D +B

; $ ' $ ' 0 ' 3 1I ! $

XMKK ' . - &) " LNK S B@ ! ,J@C2 U AD -
C @C +B , + J- A+ + > @ +- ,@ C +B@ E-++-? -
EC- D @++@) -C - B -A >AU A+- +B@ 3 @+ , SK S 7
, 0 $ 2 ' (@+ LQQ , C.@ I> C@ +--,2 ,,@D
J@C ;KPP +C 1 > 0 ;OO 7 +B
,J@C B@ +--,@D -C B-,,- @D ->+ ,, +B@ J @ ;KM< ' 0
.0 ;8 / @ O<K L ! >J@C C@ > @D -C >++ A. ->+ +B@
B +@ J C+ - +B@ E,- U

?) 5.$ K $ $ 1* . %$ - ,-=L (1-0 D(< (/ W67 0-17)-= =D(4L=

>! " .)7 & ' & ' $ C&*0 =P / D A-+ +B @?J,-GY
?@A+ - ?@C ,@ ! ,J@C C-> @ +B@ AD .A + -A - OC +-A
: . 8 &!) - 10 LQ; ! ,J@C AD S ?@A C> B
C-? @C @ B-C@ 0 A $ * > $ 0
3 C M;Q O B +C@ B@C-> ,J@C - E CD
% 0 U $ 0 (O< # + PLM B@ ,J@C - +B@ G@,,-
JC@ A-+ + ?@ +- J>+ -A +B@ C C J A+

; E0 !$ ' ((- W67 3E+= (< =-44= (* (L07? * 3E* (* (L0 D- 47W-0 *6(*6- 7?? D (4 7 - E E=-< L70* 7 = 7? 47 K < =*(D- 0(4W(+ * DJ-*=

SKK $ & ' P # + OQM 8%@A+ / @+ (B@ @+@CA , I> CC@,
E@+ @@A C ,C- D AD ,J@C ;K<;) 0 %
- 0 P;2 : @A+ C->AD +- ,, +B@ C ,C- D + U@+ .@A+ 2
,,@D ,J@C 2 A +B@ +G2 AD + + D@ D@D +- . - D- A
C -)U A 9 A 2 +B + +B@ B@ J@ + *->CA@G
->,D J U ->+ -C +B@ D + A @

!$ &,. 5, 0 1 1 $

C $!! $!! < 0 ;P # + ;O ; :D " >+ B2 EG B B
+ +,@ O2 & " >+ B A -A B E@@A UA- A -A +B@ %B . -
O- CD - C D@ -C G@ C +B@ B ?J -A ,J@C AD
J@ >, +-C ;K<; - K # + S S +@ +C D A. D>,,2
E>+ +@ DG2 -A ?-D@C +@ - @C A. EG ,J@C

$ =D(4L K J ?- $ 0

;) L .) - 0 O<Q +> ,@ !$ &, $ 2 (+B
E + A.2 .->. A.2 +- ? B U AD ,J@C

$ ' = $ E

XKKM 7 2 ' , '0 0 ') 0 OP; ,$!* (
-C ,$!* ' ! (+B@ ?J,@ B@S .-A DC@ A. C@@, +B
C-A B +2 C-A C? 2 AD C-A C , ,-+B@D +B + A -C +@@,
C@ ,-+B 1 0 OPO 7 B@ + J C+ ,,G C> B@D EG C-,,@C 2
AD +@C CD J @D +BC->.B +B@ ,J@C AD +B@ ,U
DC@ A. ? B A@

D(4L6 ! $ $ 10 G $ 1 0 ' bWM 2 /M 2 / $ K ! / $. G 1 $

%4=NN ! ? . 0 ? &!8;<NN(QO ->+X ? A@C
.C- X J ->A 2 @ + >- C ! ?->AD@ 2%-A.C@ 2 3 @,@ @, 2
@A.@ 2 " U@ 2 ! ,JGA @+ " CCGA.@ @A >A+X > D +@ ,,@
D@ OC +>G+ B-C D@, ?@@C 4P=0 8LN :>A@(- $! " &)
" - ' / @J C+GD +B@C@ +B@ ^ @ +B B A.
E- +a C-? &--,@ +- CD 7 GA B@, @G -A ! ,JGA C@2
> #" ,> C $ (= !& &!! (!0 8;KM;(: ;<M ^5 -C @ @CG
+ -) ,JBGA ^-C -+B@C B 5 0H0 L% 8 & - B$!!
LP 7 B + A. 8 A +B@ + J C+ A ?@D ! ,J -A (

+ ! ,J A. 2 1 0 YPH .1

8!@@ I>-+ (

O>&% A C !($ ' 0 4 ;OM 3 C :-, @2 A
D .. A. +B@ 5->AD + -A - A " -> @2 ->AD2 + +B@ / @J+B
- M 5@@+2 & C+ - : E-A@2 +B@A -A@ 5--+ - ! ,JY
A. -C ! AD E@D +B@A @ .B+@@A A B@ - !+-A@

G / 1!(10 3 K $ $ H * =D7L K 07 = (: : :

$//A ' B. ! ! ,J A. GC-A -C >C.@-A2 $!* !!) -
,$!*) - 0 ^ , - A , +@C / @+

/ 1!0 10 $ $ 51 * . : ( ) 0 6- 4(+ K 3(0- 7? *6- 37 - 7? *6- =JE44 3+ DE** K (< 0(= K *6- =D(4L

QL< 1) 0 SS ;L< 5-C +A@ @C B JJ@A +B + @
A I> C@ -C 5C +>C@ - +B@ ! >,, EG ,J A.2 E>+ +B + +B@
! ,J + @, -A+> 'D U 0 & - -) ' 0 ;PL 7 B B
B@ ?D @SJ@C @A @D E@ -C@ +B@ ,J A. AD +C@J AA A.
" (&,(5(

!$ G 2$

< ' 0 $ 0 =L ! ,J A. >++ A. +B@ U A C-? +B@
@G@EC- C->AD +B@ B@ D AD J@@, A. +- 6
0 E0 0 SS L " @ + >A+@D O>C.-GA@ +B +B@
?>CD@C AD ,J A. EG +B@ AD A A E @?J,-G

; *-D6 D(4 (< =4(K E=-= ,=-- *6-)3 /

O >O 8 !$ ' , ;PK 8 I / / (B@ C> A->
JC- @ - ,J A. 2 -C C@ ? - A. +B@ +>C - +B@ -??-A
-C ? A>C A. +B@ C? SK) $ & ') # +2) OQM 8%@A+
/ @+ (-CJ-C + -A , U@ +B@ &@AA G, A $,C- D ?> +
JC-+@ + + @, . A + ,- +BC->.B ,J A. : 7
0 , 0 !>JJ,2 ,$!* ' = !! ' +(EC> B A. +B@ B C
-C >XX C-? +B@ @AD - B@ + .C A +- JC@ @A+ + .@++ A.
A+- +B@ ,->C 5N $ ' $ 3 G Q 85 C?@C(,J A.
- +B@ !+- U + +B@ @SJ@A @ - +B@ .@A> A@ A @ +-C U U
) ' OL JC = >?E@C - C- +@C .C X A.
B @ E@@A J- ,@D EG ,J A. '2 CC@.>, C J@ + >++ A.2 2
AD C@,@ B@ +B@C E>CA A.

$ $ 10 (< &-10((= ,$!* ' ,) (*$ " H ? K ,$!* ' - $) ((D(4L K 1(D6 - ,=-- TE7*/ U =D(4L K *E?* (=D(4L 47DJ

;QPN A @?J,@ \ !B@,D-A 0 & % ! 8;KQP(LK;
>C 3 @A ,, A-+ @A+>C@ ->+ +@C +B@ A@?G -A AG
! ,J A. + B + -@ @C U 9 7 0 7 C +2
;KK< =P= ' & 0 B@G B @ D@+ B@D +B@ C JC A J , -C @
A+- ? AG ,J A. J C+ @ U 5-S A $ ' $ > C$ 0
0 F =(4 4 POL B@ ? - + -,@A+2 ,J A.2 +- ? B U

?@ >C@ : 5 1 & ,$ ' 2 B@ @,, UA- A
AD B ,C-> ,J A. +> + (6 . *0 !&) Q
- !! ' 8,-+B %@A > 6 ! (< B@ C@ >,+ A+ B-J @J Y
C +@D A+- ,->C2 ? DD, A. 2 AD EC A2 EG ?@ A - E-,+
+@ BA ,,G ,,@D ,J A. C@@, ?$ $! ,0
M P ,J A. ? B A@ @J C +@ +B@ ? DD, A.) C-?
+B@ , C.@C J @ @ - B@ +

D(L ?? ,, K $ $ 1 * ; : 6(* =D(4L= ,)(0 7E= =- =-=/

QMO Q4 " 9 .1 .) > ' 0 C $ ' 0 8;QKM(QP
,J A. AD A - L 3 C < 0 %B .-2 3 C B O
7 B@ + ! ,J A. +C D@C @C@ ?-D@C +@ E>G@C

D(L K JE ?- B $ 1!(1%] ' J ?- =ED6 (= = E=-< 3+ *6- 70*6 1-0 D(< (= =D(4L K *6- 0 - -1 -=

' # -2 =N Q 3 -B U AD A CY
C -C2 2 +B B ,J A. UA @2 +- ? S AD ,, -+B@C ?J,@Y
?@A+ - C U = B. ! & ' 8;K=L(K B@
3 -B U B CD,G @@, +B@ ,J A. UA @ B ,@ B@ B->+ B
D@ +B -A. U 6) ' ' 0 - 0 SS
8;KQP(LOK B@G B D A- ? -+ @ -C @S B A. A. +B@ -? -C+
- B- ? @ 2 -C 2 +B@ ,J A. UA @ - +B@ C- I>- 2

(< (44E=)-4+

$>%& B . . < & $ - P 7 B , + B@C EC @ C .@2 A-+
+ @D +B , @2 $ A. A E,--D2 D-J+ +B@ ! ,J A.
9A @ U 0 &1 0 A+C-D DDC LQ &@+@C & +
-A , + , E->C B ,, A- . -D- A +- J- +@C +G >A +B@D
EG +B@ ,J A. UA @ - ,+@C + -A

D(4L4-== ,=J=-.4L4-=/ 0? $? !! a H *67E* (=D(4L

' # .B ,0 $, (C " & ' & - " 8;QQN(;Q
B@ ,J,@ ? > +G U>,, - +B@ ? -> " @,@A E C F
(! & ' & , . <N + ,, + - 3 B @, A.@,-'
@,, UA- A U A,@ ?-D@,] B JC + A@ B +@ D@ @D EG
J - --+ >J-A +B@ +- J - B ,J,@ U>,,

D(4L0 ?7 (,=J=-.4L0 ?YM 1/ 0? % ,$ + ,=-- -R*/ 3 2 ! 6 =-4 =6(L-<F (LL4 -< *7 *6- D =70= 7? 07<- *=

U $ ' , L 3 G ;LN L B@ @ B @, -C ,JC+ -C ? +@@+B
C ' " " ,!0 4 , =P= $E X-JB . - ,JC -C ?
A -C A E-+B * 2 S) . - 0 % M

D(4L0E 1 ,=J=-.4L0@E1/ 4=7 , =D(4L0(Z $ % , $ $ bcG : + 0(=L K =*0E1- *U (0(=L(*70+

;MKK $ - &) " 0 SS 8$ -SE (OLP O B@ ! ,JC
-C ! C J A. --,@ + ? +- C J@ -C B @ E-A@ +B ,,
4Q) < $ 0 &) ' LNL 7 +B +B@ UA @ JJC-Y
JC +@D +- +B > @ AD +B@ ,JC>?2 J @ @ - +B@ ,J
+- E@ C@?- @D) U = 5*& (5((,$!*) - (0
?@ -C D@A+ >, C C J +-CG> @D A +C@J AA A.

; 2 6- DE** K -<K- 7? (D =70 4=7 (=D(4L0 ?70 1 D =70

0 , 0(@+ 2 ,$!*) - (A 3 ? ? ,-.G2
+B@ >++ A. @D.@ - +B@ A -C +@@+B

Q 7(L* I- " + =+ % * 0? % , % , %24<" B T ! 7=D0(*D6

;QNK = BL $1 !$ 2 SS MN 1-> B @ ,J+ X D
G->C " @ D +B +@ I>@A+ JJ, + -A - G->C 6A. >,@

D(L*E0- 0(< % , + ? %+ , % ,J $ 3=:L (0) K K0() K

4MPM $ & < !& & 0(,$!*) (00P .C A. A 3 @++ ,2
>++ A. -C C + B A. +C % 0 $! >
,0 A+C-D e OQ 8@D O(S- ! ,J+>C@ 8+B@ C+ - >++ A.
+-A@ AD D @ (

D(4L+) ./ K $ $ 3 (3 ($

SM S 8 - * $! A $ (- 10 OOO 7 B@C@ ,J @
, AD AD,@ ,@ ?J,G2 B@ J,->.B? A +- ,@' C@ I> +@D
,@AD@C,G ;KNK # ! ,$!* " 8JC-A ,$)* " +(+@C?
) J, @D +- .C->AD2 B@A +B@ - , +B A O) Q 0 0 ' 0
< !& 0 * I ! - ?@ -A@ C +B C- U + ,JG2 AD2 A G
9 J@ U A2 .--D +- A- +

D(4* $0 (< 7(4*-0 =D(4*0- 3 $ $ D(4+ ,=J@ .4 / 4=7 ! =J(4+ @ " =D(4 -@ ! =D(4+ % =J(44+ ! " =D(4-+ 0?

%$ 37E < K D7)-0-< W*6 70 D7 = =* K 7? =D(4-=U 6() K (=E0?(D- *6(* L--4= 7?? *6 L4(*-= 70 4(+-0=

;PLK . 0(D)$ - - &) (U ,G ;P<= . 6 2 !!3
&0 ,, Q= G->C +@@+B E@ @C @ , @2 ,@+ - ? @SJ@C+ O CE@C
C + + U@ - +B@ ,@ ;MSP ?& " & % $ ' ' ==O
B@ , @ !>+>C@ - +B@ @?J,@ E-A@ ;MKO 9 .
6&) ' 0 & < , ; ;= B@ >C @2 - @C@D +B ,G
C- U 4Q<L < ' !0 $ 0 3 G =OO ; A ,+ C +- ?E2 -C ,+ C2
- ,G +-A@ OKPQ = .. ! - 0 - ((0 A KO
,G2 @@+ B2 .>? ? G ? ;K<O I 8. < $ ' $
Q B@ AD +@ C A. - C .?@A+ - ,G +-A@ C-? +B@
C- U

N$? ? =6-= =-0L- *= (< 7*6-0 (1(4=U ?0-T L7-*0+>>L-0*(K *7 70 D7 = =* K 7? ? =6 % %;

.. $! ' > - 0 # * E2 B@ ?-C@ U ,G
+B + B@ 2 +B@ E@++@C B + 1 * $!0
B@ , @C ,G +C->+ 2 , ;MS= 7 = B &#B ' $
<<< ' B@ U?,,G I> DC-A@ - +B@ , I> D , U@
= . " - ' $ 0 S 6 2 B@ ,G " -CC->C - B
->,D@D + SMMM ' ' 0 $10 S 2 !- B@ C +B@
,G B@CD B@A &C-+@> E,- &JJ ' & & 0
;L< B@ J + @A+ B@C + U@ B ,@A+ + AD2 7 +B ,--U
>A?- D) B@ B-J@ +B@ ,G EC@@D & - %!0 $ - (3
C , ;NK !@ -A +B@ ! ,@G ! D@ C +
! - 0 $ (0 B@ E-DG - +B@ @ B@ ,G
: ' . (% & - < 0 ? & 0 8;KP<(OQK " - A
, A@ I> @C@D +B ,G J+ @ O) O 0 ! 10
, ;;P +C J - +B@) G B D@ - C- -D ,@

3 =L-D ? D (1-= E= 0-L0 = + =+ + 70 =+ + =-- TE7*- % % H (1-= ?70 *6- L(K74 =

SMKS K 6) 5) - =M B@ ! ,G X CD G CD
AD UVA. ;QQ= < .) $E 0)KMO(=MK
B@ & A.-, A2 B B B E@@A > > ,,G ,,@D +B@ ,G
, X CD S!- 6 < '0N&&!0 Q= ! ,G -C+- @ 3
) & D $ - $ $0 KS 0 =ML ! ,G -CG C 3
$,) '$ -) 0 ;K=N C ' ' " ,!0 4 , SKM & A.-, A 2
A ?@ A -??-A > @ +- D@ .A +@ +B@ ! ,G A+ @ +@C
;KQ %-6 ! V " 0 - 0 ? OOQ @A> ,$ $% !!$
O-A J C+@ ! ,G / - @2
D % ,=4(K/ F =-- TE7*
;Q<W K 0)! $ (8@D L(2 ,$!" .(A B-A@ +2
C->, B2 E,>A+ ,-C
? L4(*=(< *6- 0 L(0*= F 7)-0-< W *6 =D(4-=
70 D7 = =* K 7? =D(4- 4 J- -4- 1 - *=
4!<Q <) 1$! ;; SSS 6 PKK ! ? ,, ,G UA-J 2
, U@ +- +B@ UA-J - %- ? @ ,- @C XMKK ' . - &) "
QQ 5A B@ CE-C + @2 -C C@@ - D @ B +B ? ,, ,G
,@ ;QKM $ 0 0 O=O B@ ? A E>,E
- , , @ 2 - +B@ ,G +C E@2 ,, A-+ U@@J . --D - ,-A. ->+ -
+B@ .C->AD +B@ -, D E>,E-> U AD 4KL<). ' & 0
?& 0 8@D L(=QN ,$!" 2 - @C@D +B ? A>+@ ,@ 2 S@D
EG -A@ @AD +B@ G->A. B--+ - +B@ & A@ +C E@ 4KPQ
< 0 ?& 0 8;K)(=M 7 B@A +B@ ,@ C@
A CC- AD @J C +@2 A +B@ ,G2 +B@ E>,E D +- E@
,G S)= 8 , ?$ "> C.&% (MOO $B
X-?@ +B ,G ,@ @
E ! ,G @ ? -C J,@ A -C+(@+@C B
! ,G +@C ? - 2 < =+
$>0% 9 7 ? 0 C!$ ' 8@D L(QK< ! ,G 7 +@C
? - L #[0 = ? 0 < $ OO=%- ? ? -A 8:@+@C B2
-C ! ,G !J,@@A -C+
? =J < =-(=-= % " * -(1
30 D(*(% L=70 (= =
PQP ? 1 ' SS S 8;<NK(OOK B@ U ,G 3 A.@2
B B2 + U@+B - +B@ U AA@ B@C@ + .-@+B ;Q) =
- 0 A & 0 ;;O B- @ B- ? U@ C@@ >W@ - +22 B @
,G JJ@ C A @2 A-+ >A, U@ +B@ ,@JC- G VQ<< 0 " -
0 O ! ,G @++@C ;KOM ! A ') 0
8@D P(;<= A +B@ ? *-C +G - A @C-> D @ @ 2 +B@ U A B
G@,,- B -C ,@ D -,->C@D + A.@) AD DCG AD ,G 4K<K
= $*0 0 A+C-D J S 2 C-J , ,G C A) -C ? 2
!$ 1 $
4K<= - ;= 3 G L = B ^ Ba +C A@D E@ -C@ E@ A.
JC G@D >J-A +B@ ,G +C@@
? (7) 0 ? % + =) .
AD .) & ,
V "!! A ' 0 (=M @ >A+,@+ A- 2
+B - A+ - !+@@,@2 3 > + .,->@ +B 6(< O>&> <
$;9 B@ C ,G C?->C' GC A B>@ ;QK; <
,!0 0 S ;ON " > C @C 2 ., ++@C A. +B
+B@ C ,G C?->C ;Q<; 8 1 ! $ S b N=; " -C ,@+
+B U 7 +B J, +@ - ,G EC
, -- TE7*= /
;Q<M : 8 ! - 0 ' 0 8@D O(2 LL< OC V A ! ,G C-A
#C@ ;KSP $ ' 0 ' 0 8@D O(ONN $!" $!,(00 [
..C@. +@ - ? A>+@ ,@ - .C@@A B -,->C 1 0 ONO
,$!" !& (00,& - *& - ., ??@C A. ,G J C+ ,@
SKSM # , X3 8@D O(O=L $) C-A +-A@ B
J@ @ D D@D A+- ->C >E J@D@ 2 X ! ,G $@D C-A
-C@ ^@+ a
! %770 =6(33+ <-=L D(34-U % ,7? L-0[
=7 =/ 1-(=* K+ U 7DD(= L770 6-(4*6 @=--<+2
4Q<L 8 (8;KPM(: ;< &--C J S b E@ 7 I> +@
,G E@ -C@ E D@J C+>C@2 E>+ A- C@ - @C A. J @ SK S
7 % ' & ' & ' 3 0 85 C ? @C(2 G-> C@ +-- ,G
+- 6J -C +2 ',, B@,, ->+2 AD B ?@ G-> SD L *
C 1!0 " - ! 0 OLL B@G B D JC- @D +B@ ? @, @ - @CG ,@G2

* $ *
+B@G C@ ,G ,-+2 AD +B AU "@ @A : ? A-+ #A@
! & B @ ,G J C GA+B@+ !- 4 G E CU
8B -U-CG(2 +B@ B U-CG -C B U-CG A +
4ML= = . & ') 85 ? ,@ 3 ! S!I-2 S)(2 B@ ,@
B CA@ + DC .-A2 , SG X 3 <$0&* " 0 + M= ! ,G ,U@
5C> + OQK; < ' 0 " ' 0 ? 4 O=W ! , EC@ +@D
& CC U@@+ ;KNL 2 < '0N&&!(2 =NN ! ,G +) @D C>
SKSM $ # $ 0 ' 0 8@D O()OLQ !% ,G -, +@D2 B@A
+B@ -, - @C @ B -+B@C -A,G J C+ ,,G X M C ' % ",!0
LLO ; $ "$ $!1$(B +@ B@,, E C E B CU2 ,G
E C B U-CG 4") !$ ' D ' $ '& $(3 B 6S(;KP< 3
? 0 < $ O; ! ,G + ,U@D %,>E C> B)S,)L 3
$ ', 8%B .-(OL 3 C 2 JC@++G G->A. -3 A C A. G->C
E@,, +I U2 1-> ,, E>G -?@ ,G E CU
7(+7 -E -C? - ..
D(@8 73= ?701 - C 3 X 0(%
*21X!1)%)(0 (* 7?
D(1 (<-0 ,=J(1=-> <7M/ 0(LL ? *6-
(1- 7? *6- 0)-0 % , YD<*ME() L7= 71-0/
1 *(* 7 7? =) 0
% 1-CU 2 D , >> . -$) ' ' (B A. A. -C B- @C A.
(37E*> 4 !- &' 1) " <!& $ "+0]
7 W(<-0 (37E* *(J- (<-) 7E= 70 W < K
D7E0=- - D- D(R**(.I <-0 <-) 7E= L07K0-==
;MK= 1 !$ ' (8@D L(.- $ - $ ' (+-
AD@C E->+ +B->+ @++,@D J>CJ) XKMK 3 ..
B 2 C$;<P -, B D . @A 6J 6 AD@C
A. 4KQL $ ' $ O=Q 7 B@A B@ .-+ A+- A >AY
UA- A +- A2 + B -A+ +- A>-> ,G ? AD@C +BC->.B
+ ;KQL !C 5@E ;LL " + - D-.. B C @AD
? D@ ? ,@ - ? AD@C -C A @ @CG >C,-A.2
! '? +- 5-C? , -) +-2 ! ?
? + @2 ? -+G2 ? AD@@ ^>JJ C@JC -?@
?-D C -CC>J+ -A -?@D C +
% ?-D %B - D ,@ + 35 "V AD V&5 *$($ %$ 3
*& T * -++-A" 8& J +@ 4 9-J C 8-8 C) -2 ;KKK A
I>-+ +B@C@ . @A +B@, ++@C - +@D +B !IS+C- 2
I>-%!C E@,- (a
7 1 -J < 7?*-R* 4- ?(30 D
O >+ 1 - $.!)" & "0 8C) (;SP 5-C @
D- @)+- B>G - +B@ C! ? +- AD / ?>+@2 +B ++B@J-8b @
J@),@ ? D@@ A +B +- A@ %B,-: XK!W B C
- + ;KSO B@ D- A @-C --,G >E + A @2 B B

+B@ " AD@C D-@ ? U@ @C+ A@ +> @ ,,@D / ? +@2 AD
A-+B@C ,,@D ! ?? +@ ;MMN , ;# .$ (2 =! ?-+G
+B@ J@@ @ -A+ A A. @ @A G CD@ \ * *D 4MKQ
1 ((+C . '& > $ 0 << A ?- + - +B@ @ ,, .@
C@ ? D@ +B@ !+> 2 B B +B@G ,, / ? +@2 AD ! ? AD@@
D(. E34-? ,((< 701=F
=J(1 +44 " =J- 1 1 -4U * (=J(+1 4 = =D(1 4-=
=7(1 -44= =D(1 3 44= =J- 1 4 = ! =J- 1 1 44 =
0 70*6-0)(0 7? . U L073 <E- *7 D([
< () (?4E- D-U D? ; (;
?77*=*774 G
%$ 3- D6U 7W S(J < 7? 47 K ?701 E=-<
(?(01 67E=- J *D6- 2, /
, ;=QN $!!$, S ;LPO B SSS) D G B E AD
+B D>C + A- B+ , U2 F>B ,,B@ E>ADGA -A U ?G,,
- GU ;KKP (($ &2 & %$ - S2 ^"@a B D
J, @D +B@ E@A B@ ,,@D U@??@, D- A @ B D@
Q ; * (,D7 =* ' 0+(=4(EK6*-0 67E=- ,(4=7
./U (1-(* 70 ?=6 1(0J-*U (=6(134-= 1 (
#8d!Z ! ' ?) ,0 8;KKQ(PK - EC@U @E
J-A +B@ U@?, - +B@ - C. +@ ;PM; 1 ' 0 8;K==(
: LL= 5-C ? UU -. - A@ U G?, - +C@ + +B@ G) B@ -C 2
-C, G A. - +B@ ?EG+ G B@ +B C>J->A@ ;PQN 8
- &' 0 7U 8;K<O(OL !>? -A -G C - B ? +- G@ ?,@
+B + ,@ B .>,D B,C ;PQL $ 0 C& - %& ' 0 SSS
<= 7 @ , @A.@ + -A +B + D A2 2)>C C@ AD +B + +- +B@
?E ,, >,D ;PK= K (B (8;KN=(;<P B@G
? C B + +- D AE>C.B2 AD J, A+ + . CDB-+ + +B@ -?->
?@,,) ;MNQ) ' ?) ,0 8 KKQ(: ;;M ,, @ , @E@
U@??,,
* D(.1 34-C L0 0? 2 ($ G
=D0(134- D7 ?E=-< =*0(KK4-
;MN< : 1)-&) $)>'' &'' $,SSS
8 C- C+(OL S "@C@ O>. E@ , CC@ +B@?2 +B E@,,- A.
C-C + ! ?E, @ @@ O-G@ +- +>CC@2 7 B- -C
!->,@ ?E,@ -A .,- A. ,-C@ O + A. AD C + B A.2
, U@ +B@ % + AD %>CC) R,@ " = " 0 ' D($1(
LON B JC@+@AD@D C>? C +@ A- !>JC@?@ 3 . +C G
E>+ &-, + , ! >I @ -C ! ?E,@ -C +C A @A+ !B> ,@ E@Y
+ S+ +B@ @ +BC@@ ?@B2 # + > 2 A+-AG AD @J D>
D(1 34- ,=Jk>134/ " 4=7 =J*E 34- "
% (< =JW -4 =J- 1 1 -4 4 =J- 1 1 4-
=J- 1 34- 0 ? -3= E0- 70 K * (LL 0-4(*-< 37*(
*7 ; AD . " B B (0- A-+
0-D70<-< E * 4 1ED6 4(*-0 G
Q: 7 =*0(KK4- W *6 7*6-0= ?70 17 -+ ?0(M*@
=W--*1-(*= -*D 4+ K 7 *6- K07E < 70 *607W
*7 (D07W<U 6D D@ *7 =*0EKK4- (<-D707E=
(< 0(L(D 7E= 1(-0 70<-0 *7 73*(=71->
*6 K & ,9 0, 7W =EL-0=-<-< 3+
. D
4PL< 3 $ - 0 C & 0 8;P=P(OO E2 B@ J@
U ?E,@D AD @A+))+-.@+B@C EG G @ C@ -C +B@ A>++@W
4PPL %) 1! ,$,6 ;QM $ 0((, %& , + B@ +B +
+ B@ ? G@2 B CD@,G2 \ ) C@ A-+2 +B@ / @ G,, G UA @
A ; +D @ A-+ ,G @2 `D->E+@ A-+ +- U ?E @ AD C U@
@,, -A@ !P) # B (' (C& ; SS 8 +B (
MM D @ AD .@A+,@ -?@A2 +B +B@ C E AD@ A+-A,G
?E, A. AD + B A. +@C +B@ A>++@ $/0/ " , '
<I ;=M A., AD A- ,@ + - +>. AD ?E,@2) +-
J C+ EG +B +@@+B B@ A - @D A+@C@ + & ! JC->D @,, A.
!+ +@ SM-- ' ..) " L. 3 S, ;;<< B@ U A.2 , D
->+ + @ + ,@A+ B-A. +B@ ? >J-A +B@ C @C D@ +-C ?E,@
-C ;MN< ^ @@ . SM S B ' $ 0 !0 2
A UI ;QK - $ '(B D A- ?-A@G2 A+@D ?J>D@A @2
->,D A-+ ?E,@2 +@?J-C @2 D @?E,@ ;MLM
5 6 (A $ > &! 0 8;QLP(M @CG ? A B D
E ?-A@G + D G) A-+ ! ?E, A. -A@ E@ -C@ A-+B@C +BY
->+ - ?> B) . A. - +B AU SMMK : # 6 5*& 0
C 0 555(MK B ? G -A + +B A -E + A +@ C@ -,>+ -A
+- ?E,@ -C -?@+B A. >J-A +B@ ->A+ - @, @AD@ Y
->C ;MKQ 5 ' % P !@J+ 8# " ! (" OLQ +@C +B@
U A. B D D-A B EC@ U +2 +B@G E@. A +- C ?E,@ ^3!
;< / 8L(-, <N ?E,@a ^ A 7 --> 3 ! DC + - +B`W
J-C+ -A - +B@ +B@ -CD - >C @ @C ,+ ?@ 2 C -+>DG
C ++@A , $ - 1! AD ,$ - 1! 0]
?3 7 *0(KK4- ,D,G
$/OO . $*.& C $& " 2 " @ ^ +- UD->@a ?
E, A. +- + B B-,D + B CE-C A +B@ B-> @ E@@ B D ? D@2
-D +A@,G @,,
; 7 =D(**-0 ,17 -+ ?77</ ?70 (D07W<
*7 =D0(134- ?70 -RD
, - ! 8$-SE (. - - !(.$ - - !(+- +BC- +B A.
B +B@C AD +B +B@C + ,- @A,G AD C@,@ G " 8: ? (
SPQL K- > b) 8;KQK(;;O 9@@J@ +BC@ B A. 2 +- B >
+- E@ >@C C@ B B +@ A +B@ E A AD -?@ B + +- ?B,Z2
-C B-. AD -C B@A SM-- ((' " ($ $;O=M % 3 Y
C > 2 B D J>C B @D C S+B %-A >, B J EG , C.@ @ -
?-A@G U ?E,@D ?-A. + +B@ +C E@ ;K<= &)- 1! (
<!& (2 + @DD A. + > +-? CG +- ??,@ ?-A@G
+@C ,@ A. +B@ B>CC c
? 7 =- I- (=DE??4-U 6- D- *7 *(J- (0(L(>
D47E= 70 E =D0EL* 47E= 1(-0 7 =* * Q ^
4P<< ') &* ? * ,0 8;MO)(;PN "@@ ,, A-+ E@
C @C - A@ + CC A +?G D @C - +B@? +- % BE,@
-?@ B + -C +E@LBC - ,@B >@ E@@A@ OMLK G ' $ ',
" 2 &@CB J B@ ?E, A. B , @ D> +A- AD +B@A
- C-C@ AD A-G 6 +B +B@ + +6A. B- +@ @ ;M<P 5 '
% < - 8# " ! (" =<P B@C@ @C@ -A,G -?@
.@A+,@?@A AD -CD A CG J@-J,@2 A +B@ C@ B- ^ +@C +B@
A. ' D@J C+>C@a C>D@ G ?E^*@D G +B@ E AI>@+
7 1(J- 7 -2= W(+ (= E@ + 7 - D(*7
=*E134- (47 K YYY (< 7W 7 4+
- ! + - , ?E -C ,U - @C , B+ -C,-- @ -E + ,@ 2
+- ?E - @C C- U - C ' 8: ? ' - !0
4PQ 1 0 !(-'9DC 8;MLL(2 5C-? +B@A @ +-
"@ACG+B@ .B+2E@ > @ A-+B A. @S+ A+ -CDC@ +C@A2
< ?E,@ -C CD +B > B C@ -CD - >,D E@ ->.B+
>J ;PQ< < , .0 1) OL B >@ A ?G -G .@
> C@D C U +B , ! @ 2 \ CA A. @++ ?E,@D +B
, @+-+B@ B-C@ SM S B WW $0 H> .L3 K+
7 B@A +B@G -A+@?A@ @ CA A.2 \ +B AU +B@? @,A@ ' > Y

@A+,G I> , @D2 +B@G A C +@ \ C@ D2 -C ?E,@ +
J @ @- D@A @2) " =) & " %(?$5
K " A. ?E,@D +BC->.B ?>,+ +>D@ - >+B-C C@6 ,G
AD >J@C , ,,G2 B@ ^@+ a ;QNM .. 1 8@D 9@C @G(2
& ,$ - 1! (+- C- @ -C AD@C >J AD D- A2 S.-S 3
' 3) $ 0 &) ' !!$ =O 1-> B D E@ + +CG A"
?E,@ +BC->.B +B@ +@C --C '+ +--, +@ 1 0 5 0 OP=
" - D- '@@ ? A .@ +- ?E,@ ,-A. ->+ 9 XXG
cJ3 7 1(J- =6 ?* ? < 1-(= =71-67W
SM-K " ! - &' &' / = E2 0@ C@ DG E>+ +- + U@
B@C + ->C B AD 2 @ >@ +- ?E,@ -C B@C .@++ A. ->+
>*>D 7 1(J- =6 ?* ?70 (1-(4 % , ?
2 (C " 3/
OP<; . $* & B C $& 2 &!) 0 ? A +B@ D@ J+B
- ?G ,@ CA A. DC >@A +- ?> @2 B- +B ,@A+ ;) B ,,
?E,@ A +B@ ->C+2 +B + --A+ +- + - + A +B@
A >@C + @) BG E@,,G +BG -D
?< TE(= *0(= - % + *7 K-* *607EK6
,(L-0 7< 7? * 1-/ (6(L6(I(0< W(+
;PQ4 2: 0 !(S 8;MLL(L= Q) +B D -A +B@G
?E,@D ->+ @ G@ C@ 2 >A+ ,, +B@ ? , @ - % C >
OC + A@ -C @D I> @+A@ @ E@+ @@A@ +B@?
7 *607W 7E* *6- 4 13= (477=- (< (WJW(0<
1(-0 W(4J KU *7 =6(134- -RD
4MLL ;KPL 0=-- 2 (C* * !0 $0](R ==J 2 . .3
- !(. - 1! (.$ - - !0
7 D744-D* (6(L6(I(0< 70 00-KE4(0
1(-0U *7 S =D0(L-> +, 7W
;PQQ ' ' !$ ' I J / @D 2 + ? G E@ +B +G->C
" -A->C ,, + U@ - @A @ +) ?G C B@ AD C@ B,@ @ E@
B > ->C @D A +B@ -?J- + -A - +B -,>?@2 AD ?> B
?-C@ +B + E@ A. ?E,@D J +@C +B ? A@C2 D C@
JC@ >?@ ^@+ a);P<L = . 8 " 2 &% $! $
8;MLL(O L2 B@G G @ C@ ++@C'D + -A : AA-+
+@,,2 E>+ @ B >@ ?E,@D J 3-C@ @ ,+B EG CC@ +B@A
+B- @ +B + EC . - +B ;MNL : *.. 0) . 8;MO;(
P=; O@ -C@ +B@ @A@? @ B->,D J@C @ @ +B@ @ UA@ @ - B
J- @C) B B A-+ .C@ +2 AD ?E,@D >J >J-A +B@
>DD ? OMLK 9 0 &?$,&' M - A !D0
(8;MQO(=Q; 7 +B +B D J + B ,, A+@C? A.,@ A- -+B@C
>,. C >E*@ +2 E>+ B@C@ +@C ,, @A+@C+ A G-> +B
C ,G +B A. A ?E,@ +-.@+B@C ;KL= $! $ 0
P== O B ? .B+2 +B->+ ?> B D >,+G2 ?E,@ >J
-?@ -C+ - B> E AD " C-? ?-A. D @ -CJ
! 70-17)- L -D-1-(4U *7 DE* *
4QNQ3N$ 3 $) 10 #9 5 AD A. ?G 7 --D >+ A J + B@ 2
AD -+B@C J C+ - + ?E,@D AD >+ E@ -C@ + + +
C- +B SKKK ')- S 5@E SKM B E AD
,@ + >A+-> B@D B@A +B@ >,J+-C --J@D -C ?E,@D G
+B@ >E + A @ +- . @ D@J+B I V @ -C +B@ C@, @ - +B@
+ - .>C@
- D- D(>134- =6(134< "! I % *
*7 47E K- 70 =6(134-
;KKQ B C $ LLO "@ @A+ ?E,@ B ?
E, A. -A2 J, .>@ +- +B@ @AD
D(1 34-0 ,=J(-@134<M/> M% 4=7 D(14-0
=J(1,-/4(0 0(LL ? 2 (
B@ E 2 B- @ @C2 JJ A-+ C@ -CD@D A ! E@ -C@ +B@
;<+B $/ AD D@C + -A C-? " E@A B2 ->,D A-+
B@ A -AC +@A+ UB +B@ @A @ @,2 - ! $ ()
' / $
;PNN LN 8 =P #A L-+ C B @A@ -,,- @,U
) C 2 AD ?,@C J>U%2 AD B ,, B>A+ C -
DC U AD D> U S)VK : !" ' 2 0) '1$ LQ
!U ,D + U +E CD2 AD -??->AWU)@, C OPLL ..)
" " 8! ! (;PL B@ J C+@ - UA B+,
CJ AD, U@ U ?, C)+BC- aV@ >A+C@ ;QL; : : ..
,0 C & 0 OQ= + @,, U@A'D G->C 5 +B@C' !-A A@ @C
! ?E,@C && 3'& 0 #A@ +B + .-@ E->+ ?-A. B
5C @AD -C 3@ + a ;QPP# 8! -++ B(2 E-,D
A+C>D@C >J-A -A@' .@A@C- +G - + E,@
! ? E, A. ,=J@ 134 K/ " 7 C !
6- (D* 7 7? *6-)3
%4PLK $ 8. A ,, 0 0 !@C ;; <K !> B
B -U AD U ?@, A. " ? U@ A@ @C @@A2 +- +B@
>++@C J ,, A. AD E@..@C A. - +B@ , AD 2 ;PK= ",
&- -&- 0 ;NM AD E- -@>@C +B@ + - -?-GA@D C,@ 2
D- !3?@ -C +B@ +G?@ +- DC +-.@+B@C2 AD +- J, G@
E--+ @ G@+ " 6A. -C J>.B+, @@2 B@A B@ -??@+B
+- +B@ ?E, A.2 , U@+- B >@ A-E@++@C,> U EG +B@ O@ C@2
+B@A B >A @ +-C E D -A @ EG +B@ O- C@ $/OO
'0 (, O;K2 OMP< < B " (@+ 8;MMN(< 7 B +Y
@ @C ?E, A. AD -A> -A A% , AD $@.>, C 3 . Y
+C G ?@A)?E + -A EC->.B+ -A +B@ + +@ - +B@ :@ 2 G@+
^@+ a ;KQK < 0 & ! C& - (3@? A+C-D ,-
B- @A-E,@ -,D -, - 2 ? ++@C >, J A + U A.2 >D J>+Y
+ A. +- +??@ +B@ , +@C CG ?E, A. - +- D G
3 * 6- (D* 7 7? 1(J K B + ?70 (-(4 70
?70 1-(4= % 8 % , 4=7
(1(J-=6 ?* 70 ?701(4 1-(4 7W 7 4+
,OP;L) !0 &) - 1 ! 0 &) 0 8;QQN(KN B +B@
-CDC@ - +B@ !@C @ - 3@ + AD /CGAU +- E@ @C GD >J-A
+B@ ! ?,GA.@ / G A @A+ 1@C@,G +- G 3-AD G
AD !@++@CD G +BC>.E@ ->+ @A+ AD B + +B@G B ,,B @ ++
+B@ D ! ?,GA. OPMLC V ' (,0?) - "' C$ ' ,
0 : *2 !-?@ @ + ?-C@ + +B + -A@DGAA@C2 +B A +B@ J--C@
? A A .@+ + +BC@@ ?, A.@ -A +D G SM-M =
C$ $ $ A ;2%-?@ ! C2 +--,@E-G2 +B@ %->C+ 5@ +
C@ +- !@C> +-C %->C+ 5 + 2 W> B ?6 A.2 > B B +
-C +- @ +@ AD B@C@ +- @ +@ 7 9 .. \
7 # &- 0 <!& 0(,$ - 1! '(CC@.>, C ?@ ,
! ?E, A. 8 U ?E, .(2 **!0 $0 Y" 7 A V
*4 7 *- *7E= 0(L(D 7E= !
;^LL 9) , & &] ;UA- +B@??! ?E,A.
->+ A.2 B-A ?-A.A. B-G@W S)] 0 ( ] B@
?E,A. AD AI> @+ ?@2 $ A%JO 9 % ?), . (
$-F % O(O< " A- --A@C @-+C@D A+-+B@ - A2 E>+
?E,A. !->,D @C J+ B-,D - B EC D,@ %M&N
,(&% ! ' $) S OK 7 B- @C@.>, C A- @2 !-?@
DC@ D , ?E,A, -?E +@D D JC@,@A+
4E 1= 4+ 70 D(0-4-==4+ -R-DE*-<U =4 L=67<
=47)- 4+U 1(J-=6 ?*> 4=7 7? (L-0=7 U 4E <-0
WKI 3E K4 K

[illegible]

[illegible]

[illegible]

! ?J@C A.'8 U @+AJ C .(2)' ^' 1 '
F '=- =-=7?*6-')-03
L' 9 '# M 'C$'& $ - $'&%' 2' & ! ': ;<N '
?J@C A.' C- D'-') ,@'G->A.'C>AA@C ' ;KQM + '
/ '<&! (?) "'&C- 'H A'+B@ @'D G'-'& '$, '
) ' AD' ?J@C A.' -E@' C-++@C
! ?JB--D' ,=J--@1L6E</' "1") J$ 0?'
1' N")V 6-'TE(4*+'7?3- K('=D(1L
KMM # ! '?0' ' 'A' - '0 8;KK;(' 'ONP " X +'2
' ' A@'+ ,@A'+--'2 E>'+@AD A.'+- CD' ?JB--D'
! ?J A .' 8 U @?J I(2 1! ' 1(^' 1' (F'
i' ;'*' ,@' + -A' - '+B@' E' 1'
(M' " ' ' ' '=MQ " @'D D' ,,'+B-C->.B,G' AD'
B-A@ +,G' B@C@' 'A-' ?JA.)' +B' B ? ';K)' 7 ':'
4B<V ' &)' "' ;PN' ' ?J A.' A'+B@' -CU2 ' ' A'
+B@'?@+ ,2 ? G'?@ A'+B@'D@ +C> + -A'-'+B@'+C A
! ?J A .' ,=J=- 1L K/ YUY'0!' 0?' 2:'IY4
70'4W' C; G' 6(*' 3-6()-=' (=('(=D(1L'K 7N'
?70 746 K
% <='7 ' $ '<$ $'C& - 'ML' B@' ?J A.2
,+BG',--A' EL' ' 5 &!- '0==' '&' 1->' C@
A-+'-A@'-'+B@ @' ?J A.'/>+ B?@A2 E>'+-A@'-'+B@'-C . A ,'
AB E + A+ '- '+B@' ->A+CG
! ?J) >.' 8 U) ?J .(2 ' 6' I ' 1' 6'
Q' 1(' *('W70J1('-*D'F 6(*=D(1L=W70J'
^' : ! M' &' (?$ &) !!0';<<'#A@'? A 'A -C?@D'?@'
+B +' '? ' ' '?- +'A'D@?AD' ?-A.' ?J A.'E> ,D@C
!@ ?J ,,'8 U '?J*(2 ' ^' 1' 'N" V'
" A.'+B@' B C +@C -C'D J- + -A' -'(' ?JU'
B C +@C + '- ' ' ?J
IG F 'a , !' *' !0')''SS +' 7 U ';KP=' QM'
B@' , D@'J@C -A ,,G'C@A@ @D'E 'C@.C@+' -C+B@'C D >,->'
@A<' #'+B@'+ -' ?J6B'- >, + ' % &' $ &'OK JC'
LOP L'" '+@?J-C CG'C@, . -> '@C -C' ! ' ?J B' E@CC + -A
- D-' D(1 L =64+'$ (' (.= L =6E-==>
% b' @ 0'<& ('V'&' '8 KMN('R'0>+'B@'D D' E'E@ +'
-C' C>AD@,2 ,+@? + ,G'D , + A.'>J-A'+B@' ?J+ BA@ '-'
$-E@C+'!J@A @C' AD' +B@' >,. C+G') 'B ' @'^@+ ' A '
= ' ') $ $%' [% 5 'B D'E@@A' ?J B',G'
D J- @D' +'B 'E@ +
$ '! ?J ? +,' % ' ^' (* ' 1' '
E'i'= ' a' 'B.B G? A
>!"'"' * 'C)1!('" - ! 0 8;KNP(' 'LP0' 3@?-C JD>? n'
' AG'+B A.'D-A@'EG' ?J ?@A'-A'+B@'5>,B ?'C- D2 @AD'
+B@'+C J '+-'J>6'>J'0->A @' AD' 0,>AD@CE>)' % <]'"2 ' ['
7#$ "' &&.%2&&' ,+' ' ' B@' ?@'#' " .B' -EG'g'5-C+B'
+-'+B@'B@ +B' ,'+B@'! ?J ? A'.-A@
D(** L+' ,=J=-.1L /' ^' 1' +' Q' " V
f' 1 A' @?@'C@ @A+' / @+
D(E' ,=J=- /' ' ^' ' 6-' (D*7 ' 7?
=D(KU D47=-')-=*K(*7 ' 70 =D0E* +U L-0[
D-L*7 '<=D-0 1- *U ('=D(K'477J
;QNM &!0 ,(C ' ' "! 0 'OMM 3 G'E@ C'+B@' A'-'->C'
>J@C -C ' ;QQP' O 'OK - 'A'!J CU' ' '
8;!L=(' ;QK 85>AU(7 B +' ,,2 E@' +B@' @AD' - '+B@ @'
? A-@> C@' ' E@G-AD'?G' A' ;G ('<) '8;KP<('
O;P' B@'JC A @' AD',-CD '- '+B-.>.B+' B--+' -C+B'+B@ C' A.@D'
-CD ' A+-'C@. -A 'E@G-AD'+B@' A' +B@' J@-J,@' S& '
'<$ 0?&,,$,, &'LL' ,,' J C + '+B + ',@A+' ,'> +C@'
+-'+B@'@ CA@ +' A' # ' ? AB--D2 ?> A.' B +' AD' B@A @'
' ? A' 4<NL'?!$,.2 0' $ 0 JC'=KN S ' >C ->' +B
' ,>A@ 'J@C D@'@ @CG'? A] '!> U' A' -'@ @CG'C- U' AD'
E> B'-A' ,U A.' EC)
! A' ,=J=E/' @ 4=7 (' # !' =D(R7 ' @!'
=D(E '&J(, - &'=7(<' ?(<' ' "$+@)'
4*'*7' D4 13' 4(*-' '*7 '>=D('@)-0=-=' ?' '
"$)! ,L-06' *6-' =7E0D-' 3E*' 0' < -*-' ? 0=*'
D*-<'?071' *6-' *6'D /' L') "$!' *' 6$)!)
,(4=7 *7' D4 13/'V' K "$!)"'%E' K "$))! "
B@' + A' -CD' 'J-.A' '!U' .$' '+-' ,@ J')AD' C'
&V$ $[&' +>?E,A.CE,- U' &'D@C + @' ?' A.'
C@' '!@+ 2 5' ,-2 C-?' ' -?Y
J->AD 2 +B@' E '$, ' (' ($, ' '
:' / "' 7' ((4+=-' ,)-0=-/ 3+' <-*-01 K *6-'
(*E0-'(< E13-0 7?*6-' D71L7 - *?--* 70 *6-'
E13-0 (< L07=7<D)(4E-' 7? *6-' =+44(34-=U *7
<D(*-' *6-' =*0ED*E0-' 70 *-=* *6-' D700-D* -==' 7? ,('
)-0=-/ 3+'0-D* K' *' W*6 1-*0 D(4 -1L6(=-' (<'
L(E=-=' 70 3+'D7E * K 7 '*6-' ? K-0=' *6-' ?--*' (='
6-+' 7DDE0 '0-D(*7 ' 4=7 1 '*7 <-=D0 3-'
L07=7<D(44+' ,(' W70< 70 =-TE- D-' 7? W70<=/U' *7
? < ,('L(0* DE4(0J <' 7? ?77*/' (' K)- 'L70*7 '
7?(')-0=-
' ;EL '8) '?$ 0' 'C0' 0'S ' SSS '80-D6' 3 ! (2
\' B-'U AA@' AA@ 8 A' ;=<P* ' ' ADa ' @C @ ? G'
UA- @'+U'B@'?GDD@,' , E,@' +-AD@B' -C' ' B-C+@' , E,@' A'
B@' @ >AD@' @C @2 ,'%]]RC &- *0'C$ 0'==O 0! AA@' @C @
HC0 AAGA' @C (2 ,$' &0 ;PMQ F ' & $, (?*0 0' *2
B- @' @C @ 7B+@B@,-A.@D@ E@C -A' B +B'A-+' -A'+B@'
A.@C' AD@' $'NM(<) , !' '2 * (@+ '8;MLK('<L' "@'
+C@ D ' A' 'C>,@2 AD' -A@'B AD' AA@W' @C @ 2 AD'+B@'#+B@C
B-,D 'B ' @J+@C' SM K' '$ C-$E' A'<($' " ' 1 0'
C& - ' -' >+B-C2 BG' A@' ' @.B'A-+' EG'+B'#C . A ,'
-C' U A'+BG'7 -CD'B- '@ @A,G'+B@G' ,' G-M'7 ' 9 .
0' &'C&*' '<!@J+2 &' '7 U '8;QLM('P;' B@G' A'+B@ C'
@C @'>J-A'+B@ C' A.@C' ;KQ=' 2 A' & (0
/@ ' QM< 0>+' '+C- B@@' A'+B@' -+6+B'J, @'8 -C -'B@'
^:-BA -Aa' AA@D'+B@' , A@ (2#'3 ,+#A' AD'%- ,@G' B ?@'
>J-A'G->C'@ C'' ' 1 (QQN'%C+ ' 6U' -DD'+B AU'A-+B A.'
' AA A.' A' A) @ +' A'+B@'J, @' - '-A@' - ':-BA -A)'
@@+' <L@@ 9 ' $), ' $'&'" 'OP' +' ?J- E,@'+-'
A'+B@'#C?>,>?'>A+ ' -A@'B ' @A'+B@'.C ? ? C
' $' %0' 4 JS '0 M' ' ,' 0 .(%]'G ' '
' '3 ' $

' ' ' ' ' ' '

IL' : ' *&!0' - , 0 7 U ' ;KP;' '0<0 A' @ C@'
+B + ' ->,D' ?@ >C@' 'a> +' D@A @2 AD' A' +B->+' C+ >Y
, +A.' ."!) ' \GE^' J $ ' 1) '&' ;MP' B' 7 .B+2 B-'
C@ D ' A-+2 E>+' B-' A' AD' J@,,2 '%_]R : ' O '
$** &>' ,'LN' 'J@A' ' E AD @D' -C' ' A2 AD' ,@ CA+'
A-+' A- '+-'D A,@'E>+' A
%' I ' 7' (<1 *7?3- K'=D(-<' '
*7 3-' ?7 < 1-*0 D(44+'D700-D*
^G' (, ' &-'? &2 ' '%%$,,2 3 C+A JC- @@D@D +-'
-A @C+'+B@ @ ' A+-' + A'+B + ->,D' A' OKMP'5' ' : !'
+C' ' ' ;K=' '& (B@',A@' ' ,'A@+B@C' A' A-C' -AY
+C>@',U@'-CD A CG' @C @
*' : ' 7' D0 * D I-U *7 *-=* 70 -=* 1(*-' *6-'
D700-D* -==' 70)(4E-' 7?U' *7 WE<K-' '('D-0*(' '0E4-'
70 =*(<(0<' 71-* 1-=' W*6 (44E= 7 '*7 =- =-'
)S'P=N +C' C &!0' 0 ;' 8% ?D@A(' <P' % -A + A+ A> D D'
E A+ E@' CC> 2' E @' >@'B@@' @A+' E- +@'+' U AA@'+B@'B@'
%BC + A'C@,, .+-A' +B' ? B@ >' ,@' AD' .,- A .@'HID'&'
'$'$' & -$ $' %$ ' ,&- - ' - ' ' ' '
,&'$ +0 ;PK=' # ' $ '' $! ' S '8;MLM(OPO ' '
'? A' ->,D'@S +,G' AA@'+B@'+@?J@C +>C@'-'E@@C@' ;MNQ'
(' ' 0;$ c & B@',->@'- ' +B@C' +- CD'+B@ C' I
DC@A2 2'- '@.,@ '+-'+B@ C'G->A.'-A@ 2-'B@A '+-'+B@ C' B U@A 2'
,,'+B@ @' B >@' E@@A@' E>+' B@@C D- @'+-' +2 E>+' A-' > @A+'
?@ >C@ 'EG' @ B' +-' U AA@' +' (-D' ' ?@C Ga' R 0'
V ' A' & % , 'C$* '8% ?D@A('M=' 5-C' +-' C +@'
B D' A@ +B@C' ,@G >C@2 A-C' ,G + +-'B @ ? G' , A@' AA@D' EG'
AG'@I> - + A.' JC@ + ' ;MQ0' F ! ' &'D0' < '$' $ ' ;'
2 B@'$>,@' -' "' JJ A@ 'EG'$@ -A' A2 SG>'J $' (
$' ' 'O 9A- '+B@A' +BG' @,2 JC@ >?@' A-+' -D' +-' A'
>! #' 9' ,0 F$>/00 Q' .' M= 7 @' +@?J+)'+-' A'
+B@' D A@' :> + @' EG'->C' A CC- ' +S @J+ -A'-' '+' S)'
"' $ 0 LLL2 6 @@'+B@',-CD' 'B>? A'U AD' J 'EG'
' C>@'+-' ? . A'D') .B+2 E- @' -A+C-,2 7 B ,@'@'@A'+B@'J@ Y
A' E- +'+B@ @' C) + '+-' A2 AD' ,@ CA '+-' @A@C +@'
E A @, ' ? A' K+Q' R ' ' ? ' 0 ' ' ' '=OK
B@' @@E,@'D @CAA @A+' B B' B ' .@A@C ,,G' AA@D' +B@'
JC- @@D A.'-'+B@' +' AD '%-?J AG
#'" (I ' ')!!' $'>' &!$, ';M;' E2 '+B->2
-A' + +@'E--U@2 D-@' E >A @' -' , .B+ A+-'+B@'B AD' # ' AG'
> B'(='+ U@'D@, .B+' I B'-+B@C' -CU@'+-' AD
! D' G '5 '
3 $
' : , !'?' 0 & -$"' ' '%' ' ;N 0>+' B@A' +B@'
&-J@'B D' AA@D'-A'+B '+G'E> A@ 2 +B@G' @C@'D@AG@D'
+B@ C' C@I>@ +' VPKL' ' $! ''&' ' ('<M ' OG'
+B@ @' -CD@'E@' E@+-U@A@B2 +B +' @@' ?> + ' C@ +) B-,@,G'
JJ#A' +B +' B B' -D' +B)' AD'A-+ + AD@' AA A.' +@C'
->C M A@' A @' 1 (SB 'QM S 7 B@A' ?@A' 'A@@D@'
AA@'- ' -D ' -CU@' 'AD' JC->D@A @' -CD A.' +#' +B@ C'
- A@'C@ -A'+B@'G'!B ,' AD@' +E A.@'- ' .C>D.@')' ;PKQ'
8 ,)' $ (' $! '=02 ',@ >@'8-C G->'+-' A2 0-+B'-'
+B@' ? GD@A 'C B' ++GC@2 AD' @ B)'-'+B@'? A' ;PK<'
&> " 3' ' 0'C& E'8 C6(;LO :' A+@AD'A-+'+-' JC- @@D'
AG' >C+B@C' A' +B ' >C - + @ A-C +-'B >@'+' J>+' A' @S@Y
>+ -A' A' ->C' >, . C' &-@ @2 E>+'-'E@ J, @ A+,G' AA@D'
J-A' SM-' / M ' ([,0 OL' AD' B@A'+B@C@'
?@@+@2 +B@G' D-'D ->C @' AD' A' E->+' B- @' B-G @'
B +B' .-+'+B@ U AD) +' ? A' (M((Q !' 0') 0' '&B'
< & ';;;'S ' ;LO ' +B 'E DD@' B J@A@D' A' ->C' + ?@ V -CD'
E- '6' ->,D'B >@'EW@A@' AA@D' JJ-A
' 7'-R(1 -'D7 =<-0 0'<=DE=' 1 E*-4+'
?' -]' % ' + U *7 '<=D7)-0 3+'-R(1 (*7
\^^@# M !' '%& -0]=C 0 ! A'+B@' -CD@'-'
+B@'& ,? +' -A @CAGA.'+B ' ? ++@C' ;PKM (' &' $!'
' SM 0>+'G-A' G@)' C@' -' A @' A' + A.' AD'
U AA A.'@>@CG' --CD@' AD',@++@C)' EL' + ' & '
)*&'<' ' 0$ 'KO B@'+?@'- 'C '+) @C'E>,U2 AD' J@@ B'
-A ->AD@D2 ? G'E@' U@D ': + AD'A-+' J-A' -A)%+>C@'
+-' A' +'->+' ;MN=' 9 ' 0 A' " '0=P' 3 G' -CD2 ':
->,D' ' ? .B+' A++@ +'G->C' "-A-C' D' A'+B A.'A-'
C+B@C' ;MQ=' 5' C$*' ' 8% ?D@A(2' ;MM 7B-@ @C
AA'G' -CD '- 'G' DC@ ' AA-+ J>++' AG'-+B@C' -A'
+C> + -A' >J-A' +B@?' +B@A' > B' ' @ B @' D-A)+' \GG@
I'' 0' ! '+M '%' C@,@ '+B@ C'?@C+' C'+B@ C'\>,+'
+-' A2 " ' 'J +G' . @' @C@' B C +G'E@. A' OK<K ;' 7 '
' A' (C$*' ';' :>,G'8;KK=(2 +' , -AD@C >,' +B'
B +' ,+G' AD' >C G'B@' AA@D' ,,'+B- @' ' + OKQO
F M ' 0 $'' 'SS '=N0 3 A' A' +B' C>Y
J>,->' ' C@2 +B@' B C +@C' AD'J@D .C@@'- 'E 'B-C @W 'E@ -C@
B@' ? + B@' '+B@?' R00 ' + M ' A' $2 ' *0 L;' %E A '
' LQ<' 7 @' ->.B+' A-+2 :' +B AU2 +-' A'+B@'J,@ D A.)'+--'
A CC- G'>J-A' '!>@ + -A'-'+B@'C .B+'+-'D @CG
*0 WKA%J') .1 I F;MLK(' B @' ?--+B' J@C'
@ @CG' ?@?E@C^-' +@@J A.' G -C a' AD
@=!$ 4 ' ' !5$ 1\0
J ' 0, ' '?' 5' 'E2 AD' B +' +B- @' ,,'
E>,D'E@' @'U AA@2\' '->A @,'.C@ +' @'+ U@' (8'# M'
)$ ' 5$-(' ' 'PP' B@C@' @+E' ,U@'-> >6 @2
A' U AA A.' B@A @'+' -??@+B'+B 'A +>C@'? D@+' -'@G@ 2
AD'+ -'@ C@ 2 (M(' O " ' '$'<&)!$ >' '
!$ ' ;K<' +' E@,-A.'+-' -?@ .-D2+-' A''ADV#-' @@
B B'- ' +B@ @'-J A-A' '+C>@
:#' 7' *-0L0-*'(=K ''(1-(K'*7'
;^ L' (!M 'T & 0 #' *' B ' --CD' '&) '+ --' ,@'
@'? G U A' B-A@'?> '@A->.B2 +B-+B@C' ++@,'@A->.B2
(. 0' # ' $-(,, ,'QP' AD'A- ' "@'D--'+2 AD' -'B@'
-@ ' +-' "@ >@A2 AD) -' ? 'C@>@A.'D ' +B +' ->,D'E@'
A 32 ' ,, A@'U,@ ' ?G'5 +B@C2 AD' -C'+B @ ' D-'
+B ' ?@ ,, A@'!%BD' -'B@ >@A' +M-K'O ' 5$*!$'
5& (ML' 0>+' -A @CA A.'+B@', ?C A.'-'+B@' J @' -' S@'
G@ C@' -C' @C> @2 B +' ?.B+'E@@'+B@'C@ -A'+B@C@-2+B>'
+' D>@C ,G' ,AA@D2' $!-?@'D-'+B>' ?-C ,X@' +'^@+ a'
M((!M ' < ' ' 2 B@' 5 + @ " >@' >?Y
?-A@D' ! +>?@ '+BC@@' -AA@'+B@' - @C2 -'+B@?' +B@'
+BC@@' / -? A -A'+-' >C@'# '"@ >@A2 - '!@ 2 - '"@,,'
" -'+B@ @' C@ AD2 @+'A-A@'D@ D'E>+' > B' AD@C'
+ AD' ;M=0' % - ('= "@A @'?@A' ?@'+-' A'
+B@' ! C J+>C@ 'EG'+B@' @++@C
7' L-0D-)-'<=D-0 ' 7W
OPPK' / # &' 'A'5'*'E' 7 B A' -D@A,G'+B@' ->AD'# '
@@+@'+ @' E@ C@'+-''+C@ D2 AD' ?@A' >,,' +B U@'?G' +B@C'
U AD' ;MNP' 0' $* 0). ! "'%'=2 3 G' ?@ A.'B D'
G->' E@@A@'E>+' B@@C@'@>@A'A- 2 G->' ? .B+'B >@' AD' +BY
->+' ,G' ++@C A @' OQMK' ' ' f' ;2 #A@' J C+2
-A@',++,@'J C+2 @'D ?,G' A' BC->.B'+B@'D CU'?) >?'-

, @' '@ @C B'DC@ ?' OQ<' 6: ' $'0$%& ' 2 3 A
'A-+' @'@A->.B'+-' A' " 'E@ + -A @CA ' C .B+2 7->,D
.,D,G' +C@+ B', @'' ,++,@' J A' -' .@ 2 'B@' ? .B+' ;KNK
,& ' $ '&'' -0 5H(" ' '+B->.B+'' A' A-+' E>+'
@@A2 B +'^@+ a' ;KMK '),) ';<0' ' +GC'
DC ' @ C@C' AD' A@ C@C2 AD' ' A'B ?' A-' 'O@ +,@C'
+B A' AG'JB A+-?'-'B 'U AD
' 7'477J '(*=-(0D6 K4+'-R(1 -'W*6 *6-' -+-='
;Q<K' 1 ' $' 10 0(&)' ' $ ">' 0 A'OP;'
" ' ,D @G@ ' A- ' AA@D' B@ @A' ?J +@A+,G' KX-'
' $ "'&%' 0 ;,'SS 2 7 B,@'$-D@C U' AA'D2 5-C'B@'
D@ C' -C?2 B '?-+B@C')E AD' ;K=N' '?$- 0')
2 ">?JB'2 B@' D2 B@A' B@'B D' AA@D E ' @ +>C@ 2
T 'D-A'+'UA- 'G->'' ;KPL' : 7 S2 !B@) \ ;'
AA A.'B ?' A+@A+,G' C-?'B@ D'+-' --+'SKM':' " '
& ' & %' 0 ;'S '8;KQP('=;0' B@',- +'D-.' ,' A'
+B@' @ +>C@ '-'+B- @' B-' J ' B ?' A'+B@' +C@@+' ;K<L
5' %' B' $ 0 0'? 0' % ,$'LQP2' , ?E@D'+-'+B@'+-'J'
'+B@'B ,' A' -CD@C'+-' A'+B@' ->A+CG -A' B@ D'
!$ 7'D4 13' 1 ($ j V 0 4(* =1 G
;L<M 1 ' 0A 0' 3B ' 'K 7 B- @' ,@C' . +@ 2 B@'
@A+C@D2 @' + D@'+ ,' B@'+B@'B .B@ + + .@'E D' AD'
- D-' D(> -<',' , '$0
;PMQ' ' & $, (* (;;' '"' '*2 ' +B->'A' , ,'
AA@D' @ C @' A +@' @,,'D@ CG>@' '+B A.@' ;P<K=
C" -$!0 ' ;P=' 7 B@A' -A @'+B@G' A' A' +C>@' U A'D' @C @'
C ?@' 'EC >@' A -?>?'-'.--D' @C+>@ 'A ?@
-(D-' ,=J=- =/' ' %' 4=7 ! "' =J(D-'
0?' ! %0 B/ ;G (' 'K4(D-'U (' K4 1L=-' 3' '
K4-(1',7?'4 K6*/
' ;QKQ : ' ' ,0 C& "'8;KN<(' ;NK #'B JJG'
B->C B + . @'B ? ! @'EC ' ' U A @' # ' GC B C@)'
D?A+G'&-@+' ;KQ0 7 ' L) '"& ' "'< 11'8SKQLV MM
B@A' +B@G +>?E,@ +' -A' ' @,D' -'+B@' , CD' AD' +--U' '
' U A @'- ' B +' '.-A.'-A'+B@C@
E ' ;KS< ON ' F6 $1) !)5)X)' ;MK'8: ? (2 ',--U@+'
>J' ? A.'+B@' C . A' ' 'C@D' @ A @' -', .B+ E@@U A*
-A'+B@'+ J '- '+B@'B .B@ +' -'+B@?
7(ED-' ,=J(=/'B 4 6 -?4+' %' 4=7 ! ' ''
(J(7-' ! @'=7(*=-' 0(LL'?' '% '@: '=*-1'
7?' % ' '*7 D4 13' *7 4
?4' 7' -R(1 -' D0*D(44+'*7 =D0E* I-U
*7 *E0 '7)-0 '7 -2 1 <'*7 0-?4-D*7 U (4=7,W*6
<0-D* TE-=*7 ' (=' 73M /' *7 <-3(*-' W*6 7 -=-4?
=W7 <-0= ?' 35 ;'E
!"!' = 7 ' '=' !&X' ;LPQ' @'B ?') -AC
>D@' D G @' AD' J A @'A-+2 A-C' U A @'A-+2 B@' J@CC'
A-C +B@'JCG @ ' OMNL' C . !&) ' 2 5>,' -+'+B ' ? +@C'D D' :
U A @2 0-+' +B' ?G' @,'E@ - C' OMLK " ') '
' & ' ;QQ=(' S-S '- '+B +' A'E@' -C.-+@' :' .C@ +6@'
@ A @
;2 ' 0' 7' 0<4-D*' D711- *' <-=D(*' 7 =*'
&%"' &'()*&'0 >=' N 0
SM-M . ' 0 0' 0 OK 8: ?(-' AW@'J '+B@ @'
+B A.' '->@C' C' +' 'B>+' A@ >C - +@' OQL<' K!('
$) '2 &)' 'M< #B' ?G' 3> @2 :' A+ J. A@' -'
@ A @'>J-A'+B@' @ A+' ?@' ' 1 $0 KN2 A@C@' D? C@'
+B@' @ CA@D2+B-"'+B@G'!@ A @'#A'!+ ,@' AD' > ?E@C ' SK-M
'ED6 !' C& - ';P;' 8: ?(- 'C->AD'+B@' A.,@'? '
C A.'#A'J>E 'A@ '+B@G @' A
' C' 1 0 $ YV
=L)' '9 '< $-(-$ ' $ "'8SQ=0('QK' -'UA- 'B-'
+-'! A @'+B@'S-'#D@'- '+B@' C +' '^-'"-C @A
' 7'D4 13' ,?' ' ! /'
L>0& 5S8UL"F /JDU A'" ' & ->'!->,'D D': -E''
DD@C' A @' SKM*' "9 ' L ' ' $ &2' 6+2 '@ @C
+B->'D D +' @ A @ Q)' ' G CD' + ,'D A @'6J' AD'
D- A' #A'+B@' ,' +B'. A+ C ,
-(D-') ./X(/ 6 -?4+' %' K ' ! '
D $Q 9
: ' ' 0 7'.6B%@2' ,--U' +B'D D A'
B 5 & "$ >) '& A@.GC' @ B'*E2 B@'%->A+CG'
O--C@'D B+ +B'+B@' ? ++@C O@. +?@'-A'B ?'+-' U A @'
CG2 ;KKL' $'%B0 /' ' , 1 $ 'S 2 ;;L'%-%U A'B@C'
A@E' +'D@ @A+' -,U(.>" A A' +'?G+> A',V-AA@+
; ' 7 ? U@' 'D J, G' 70=67W'
L WJ'O 0 'C& - ': ;OL'8: ? (' A' 6U A' ++ A'6U A@'
@ A @', A'. X@'E@ D@
-J7-' D(7 KYYY'
$'+Q)' - 7) (' C& - '8;KNQ(' L== 7 B@C@' A- ' ->D'
B A@' B@' , A A',-C@,'-' C? A@ ,
<(7-' ! $ ' ' ') .$
D(<'0(0-' ! $?701' 7? V'
D(<(4,=J--> <(4/ M ' 701=7 (((<4 '
-D6(<4-&76(**E<4-U)' g!=D(<(4-'=7(<(44'
!' "J(<(' Q ' =D(<(4' 0 (04+' ' %
% + ' (' % ' -*0(4 '
% ' =-1 L7LE4(0 (<' -DD4' ' % + '
D(E=-' 7? 7?-D-' 70 =*E134 K' (<' V0' V. $V& (
0-D70<-<7 4+' ' -44- =*D 4*-0(*E0-' ' *6-? K'
=- =-'@= (0-'?70('- -1+'D(E=-'7?170(4=*E134 K
3E* D-0*(4+' ('74< W70< 1-(K'$*0(L',D?'*6-'
<-0)(*)-' A"J M, "'=L0 K7?('*0(L/'3-4-)-<
*7 3-'?'*6-' <7K-01(D! ; '*7 =L0 K'4-(LF
D?'%8' % '*7 D4 13'*7
0@ -C@' +B@' M+E'%' +B@' -CD' - >C'-A,G' A'+B@' F ' '
2 !,(' 5,0 A'+B@' -C?'+@C +@D(') ' (' 1(8C-?'+B@'
#5' C A+' ,$' (,!$' 0 A' +B@' ;M+B' 2 ' B D6'
C@ D-J+@D' C-?'+B@' + A' A'+B@' -C?' ,$' $!(J- C E,G'
+@C'+B@'5C',@ CA@D' -C?' ,$' $! (B B'B D'E@@A' A+C-Y
D> @D'+-'C@JC@ @A+'+B@' +C + @A @ -'@ ' ,$' $!) - (
'D +A.> B@D' C-?'+B@' @A @'+B@'B D'E@@A'D @@,@-J@D'
EG' 5' ,!$' 0 % '!J' ' , $!&(&.' ,$' !&(+'
$' $!&(' /' ,' $'f8 B B'B 'D@ @,-J'+B@' @A @' >JY
C- C' /> ' $' $$!0W
:' ? ' 4-4K7 '= E=-' (' =D0-<*'*7' 0-4K7'
7DD(=7 -<' 3+'*6-'D7 <ED* 7?('0-4K7 '= L-0=7 U
'DL < D'7 '*6-'L(0*7?('0-4K7 '= L-0=7 'W6 D6'
30 K='<=D0-<*7 '0-4K7 ' 4=7'L-0L4-R*+'7,

D7 =D - D-' 7DD(= 7 -<' 3+'>6-' D7 <ED*' 7?' 7 -' W67 ='477J-<' EL' *7 (=' (' -R(1 L4-

[illegible]

3' 71-*6 K*6(*' 6 <-0=' 0-D-L* 7 ' 7?' *6-' ?(*6' 70' 73-< - D-' *7 *6-') -' 4(W(' (' 7DD(= 7 ' 7?' E 3-4 -? 70' 170(4' 4(L=-(' (' =*E 1 3 4 K 347DJ(' ^'

[illegible]

(1(K-' *7 0-LE*(* 7 (' 0E 1 7E0' 70' K- -0(4' D7 1 1 - * MEO 7E=' *7' 0-LE*(* 7

[illegible]

' E ' ' < =K0(D-?E4' 1LE(* 7 ' 4(*-0' E=- ' (' 3(=-4-==' 1LE*(* 7 ' (' =4(<-0'

[illegible]

' K07==4+' < =D0-@*(34-' D 0DE1=*(D-' -)- *' 70' D7 < * 7 ' 7?' *6 K=

[illegible]

E ' , &' , (' 'L-0=7 ' W67=-' D7 <ED*' =' ('K07==' < =[K0(D-' *7 6 =' D4(==' D7E *0+' L7= * 7 ' 70' *6-' 4 J-

[illegible]

6-' E**-0(D-' 7?' < =K0(D-?E4' 1LE*(* 7 =(' <-[?(1 (*70+' *(4J' ' 7W' 7?*- ' L4(+?E44+' ' 1 4<-0' =- =-' *(4J' *6(*' =' D7 D-0 -<' W *6' *6-' ?(E4*=' 70' ?7 34-=' 7?' 7*6-0=' 1 (4 D 7E=' K7== L

[illegible]

' N * ' + MEO 7E=' 0-L70*' LE34 =6-< D7 D-0 [K (7*6-0' W6 D6' 1 (+' 3-' *6-' ?7E <(* 7 ' 7?' 4-K(4' (D* 7

[illegible]

3' 00-4-)(D+' 70' <-D- D+' *07<ED-<' *7 (' L4-(< K' *7 *6-' <-07K(* 7 ' 7?' *6-' < K *+' 7?' *6-' D7E0*

[illegible]

! & ' D6 -?4+' 73M-D*)-' (=' %

(< (<M ' 9 7 =D(<(4 307*6' L7* 7 ' cW(*-0' 6E1707E=' (1-=' ?70' *-(' =D(<(4 D0 1 L' (' (K- *?70D744-D* K=D(<(4(=D(<(4 L077?

[illegible]

D(<(4') ./ (' ' M_' / K $ ' 1

Q : ' 7' < =K0(D-' 30 K' *7' 44' 0-LE*-' 70' 7347TE+'

[illegible]

D(<(4 D7 D-0 K ,(' L-0=7 /(' *7 <-?(1 -' 7W %' (< ' ,=--' /' Q'3 ' 7') *EL-0(*-' 0-) 4-'

[illegible]

Q' ' 7' 3-' (' D(E=-' 7?' =*E 1 3 4 K*7(' *7' MEO-' 3+' -) 4' -R(1 L4-'

[illegible]

Q' #' ' 7' =67DJ' *6-' ?--4 K=' 7?(' *7 =D(<(4 I-'

[illegible]

' D(> <(4 =*' ' B " ' W67 D(E=-=' =D(<(4

[illegible]

D(<(4 I (* 7 ') ^ ! A0 5 .$ K $ 0

[illegible]

D(<(4 I -' ,=J<=. <@34 I/' 0(' % (<4(*-' (< [0' ?' L' % H '%K' %

[illegible]

Q : ' 7' 30E *(307(<' 1 (J-' ('LE34 D' =D(<(4 7?' ,(' < =D0-<' *(34-' =-D0-*/' C

' 7' 3-' *6-' 7DD(= 7 ' 7?' =*E 1 3 4 K*7(' *7 MEO-' =L 0 *E(44+' 3+' 7 -.=' -R(1 L4-' 7W

[illegible]

' 7' E**-0' ?(4=-' 70' 1 (4 D 7E=' 0-L70*=' 7?' ,(' L-0[=7 2=-/' D7 <ED*' *7' =4(<-0' *7' D6(0K-' =4(<-07E=4+' ,?' " 7W =71-W6(*' ' -(04+' E=-' (4=7' *7 =E4*' *0-(*' W *6' D7 *-1 L*

[illegible]

3' ' (< ' 7' *(4J' =D(<(4

[illegible]

' $' ' 7' 30 K' =6(1 -' 70' < =D0-<' *' EL7 (' *7 < =K0(D-' ' -RD'

[illegible]

' 7' 6700 ?+' 70' =67DJ' 3+' =71 -' =ELL7=-<') 74([* 7 ' 7?' 1 70(4 *+' 70' L07L0 -*+

[illegible]

D(<(4 I -' ,=J=-. <(4(I/' Y + ' 0 4*-0([*7' 7?' !% 6 [(== 1 4(*-<' *7' L*-D' ?' D ' ' (# G' ' 7' 0-<ED-' *6-' (0-(' 7?' ,(' =(4/' 3+' 47W-0 K*6-' L-(J((< *0 D K' EL' *6-' *(DJ

[illegible]

- D-' D(> <(4 I -<YYY'

[illegible]

D(<(4 I -<' ,=J$ <(3 I</ +8@Y' ' 0?') . U' ' : 'Q' G' '=- =-=' 7?' *6-')-03(' 7W 7 4+' 700 ? -<' =67DJ-<

[illegible]

AD' ,@A @' ,,' +B@G' JC@ B' AD' A >, +@' +B@ ?' AD' A, D@, +G' A+-' +B@ C' AD , X@D' %,@C. @' S) ' ' (& "'SS '8;KM=(KO 3 G'@G@' +>CA@D' A' AD , X@D' , C?' +- CD ' 3C '&-GA+X' ;K<N ! ' :' B ' ' & ') ' LNP 3C '5 +X-?A J- ?-U@+B' . C@++@ Z >AD@C' ?@' @CG' A- @'-'+B@' AD , @D

D(<(4 I-0' ,=J@.D<(3 I=G/' 0?' '(T' R' ' :G

-W67 =4(<-0=U ('4 3-44-0

;ML' 8' $ 0 S'=N<' 'D ?A E,@' AD , X@C'-'+B@ %B>C B' ;MKN :' . 1' (' $ >' $ $ 0' ' (PO T , @' ! AD , X@C'-'+B@'&C@ EG+@C A Z AD'+B@' AD +-C'-' +B@' A., B' % +E-, U' ' ;KMP' & - .0' $ 0' - ' =K= B@' @?E,@D' +B@C 'D@ C@@D'+B +'+B@' -CJ @'-'+B@' AD , @C -' , - ?@A' B->,D' -C+B +B' E@'@SB>?)

-W67 L4(D-= (1 70(4 =*E1 34 K 347DJ *6-' W(+' 7?(7*6-0' 9

SMK-' L ' $ 0 & -) 0 'S+'8;MK=(OK @A' +B- @' , ++,@'-A@'-' B- @' AD , X@C' AD'A@.,@ +@C '%BC +' J U@' -'+@CC E,GZ @C@'A-A@'-'+B@?' +B->+' -?@'! A

D(<(4 I K' ,=J-- <(3 I K/' " ' ' 0?' '(T' TW[' C' ' 6-' (D* 7 ' 7?*6-')-03 '(T' ')(0 7E= =- =-=

!!' < 7 'C& ' JZ +-'$@ '/ A@'&*Z' B@Ga' B >@'JC@ >?@D'+-'+B AU@'+B +'+B@' ?@' 'AD@@D' C ++@A' +-'+B@' AD , X A.' -' -?@' -C+B @' J@C -A .@' M' < .. 1 '6 ' 0 C&*0 '0 A' SZ L< B@G' C@'C +B@C'+-' E@' +B->.B+'-E + A +@'?' AD , X A.Z B- + U@'A-+' G'+B@' - -A'-'+B@' AD ,,' u ;' ! $ C@' ' 0 %0 'SS ' OLQ +' '+B->.B+' +'+B +'+B@' ! AD , X A.'-' > B'&@C -A' B->,D' A-+'E@' J @D' - @C' +B->+' J>E U ! + +-A' XKSM' 7 ' B ' 0 $!(, &'S'L;' ! AD , A.'B ' A-+B A.' A' @ 'E>+' -A+>?@,G

D(<(4E= E@' ,=J=-> <(4< I K/' ' 0?' '(T' " ' C@G' 6(*=D(<1 I-=

:' (E= K 7??- D-

;P<=' ' ,,!0 C&!0 'S 'e O --D'+B A.'B >@'A-' AD , X A.'A +>C@' A'+B@'?' SMMS' < B . 0 ' -) <<<' I J' /@D Z @ +B@C' B @'G->' A'+B ' AD , X A.' .@' , D' ' +-A@'-'- @A @'E@ -C@'-+B@C Z E>+' D?C E,G' AD Y +@D'+B@'B-A->C'-'$@,. -A

; ' **-0 K 1(4 D 7E= (<?(4=-'0-L70*=

9B9' . 7 1 B K '&'<0' '0@A.' + .Y ? + X@DZ +' ,@ +' +B'+B@'A ?@'-' ,G A.' AD'! AD , X A.' 0 CD' 4K=Q ' %& %' ') '=P ;' E@ C'+B@'*-U@' # ' C>@,' AD , X A.' -,U' ' ;KQM' . ' B ' ' ' % ' ' $ ' ' :.' OOMZ :' ->,D B' ?G' B AD'-'+B '>A*> +' AD , X A.'A@ .BE->CB--D

* D(. < 4-< YYY , I ' ' 4=7 !=D(<(4< 79Y ' (' ' ' !

:' =K0(D-<' =6(1-?E4

SM -' ' -*(' <N ! A @'+B@G'D D' J,-+' B@' ?@ A@ Z +B +'D> U@' / Z ?G' D >.B+@C' .-+Z "@CZ AD' B@C' E, AD 0-G@' AD ,D -?J AGZ 'B >@' -C -?@ ; ' 4(<-0-<' ?(4=-4+ (DDE=-<

';ML<' ' 8' '0 &'&) 'L' 7 B@A' AD ,&D' @C+>@' ? .B+'E@' E-,DZ 0 C@' --+Z >J-A' B CJ'%>,+>C@' JC@ D'#'C' E>CA A.' -,@'+-'? C BZ SMM-'C! $%& ' ' D) 0 L' 7 B +' +B'B ?' '+B@'B .B@ +' -.A X A @'-'8A-+'+B@' AD ,->'E>+' -?D ,@D(&>C + A'3 A +@C Z E>+'+B@'EC AD' -'$ B

Q D(. <(44-0' ' 0?' '(' ' ' !

-W67 E**-0=' =D(<(4 7 -W67 =4(<-0='

,'SM -'7 '"'>) 'A' ' !!0 1 'm;KMQ(4 ';NQ E@,,@C Z AD ,-C'-'+B@' + ,@Z AD' > B', U@' SM)' ' ' 1 ' $&' ' * & 'P B@' C +' +@J'+-' +' A'&@++-A A.' . A +' +B@'#E @C +-CZ -C '%-??-A' ! AD ,@C'-'+B@' %B>C B' AD'%B>C B ?@A

D(<(47E= ,=J(D <(3=/' ' ,(<0 /' 4=7 M' =D(E<-47E=-' ! =D(<7477=' =7(<-47E=' 0(' ' G G +8 '%K' % ' % 1-< ' % + ' ?' -DDJ ' % + F =--'

' (' (< 77= ' ' .

*4 ' ?*6-' (*E0-' 70 D(E= K' (' >=*E134 K' 347DJ' 70 7DD(=7 ' 7? 7??- D-U (4=7'30 K K' <=[D0-<* 7 '7 -= D4(=' 70 L7= * 7 ' &

;P<' $! &''= 5'?& &) ' '0>AD,@' ;=<' -' ;L' "@C@EG' G->' C@' .C- @A' @A@' AD ,-> @' AD - @A @' A+-' ? AG' ;M=<' = . ' .&'0 SS +'0;M' 3 AG' ?' ? G'E@' ->AD'E-+B' AD ,->' AD'>,,'- '.C@@ A @'+-'+B@ C' &- +@C +G'+B +' ? D@'+B@?' 4MQN 9 . ' ;' =Q " @' '@A E,@D' +-'? U@' > B' JC- C -A' -C B ' B ,DC@A'+B +' +B@G' @C@' A-+' ,@ +' AD ,-> ?' C@, +A.'+-'+B@ C' -C B ' &C- @ -A' AD'F> , +G

*'3 ' '*6-' :!*6 D- *E0+'(LL4 -<' *7 1 =*-0= 7? 0-4 K 7 'W67 W-0-'0-K(0<-<' (=' E ?* ?70 *6- 07??D-' 7 '*6-' K07E <7?6-0-=*70 E 3-D71 K D7 <ED*

;ML;' ' & - ' &'' $ \'8% ?D@A(O;< B +' >D' @C@' AD ,->' AD' ++'+'E@' +B@C -C@'C@'?' @'D'C-?'@C@' ? A +CG' 4M=Q ') ' 0' 1('e'PM 7 B-' @C@' I> U,G'+ >.B+Z+-' ,,' ,'+B- @' . A +' B- ?' >' B'&@++-A' AD' C+ ,@ ' @C@'@SB E'+@D'+B@'! AD ,->'%,@C.G' B B' JJ@,, + -A' 'C@I>@A+,G J, @D'+-'?@A'-' B- @C@' +' C +G' AD' @ CA A. Z AD'+B@'? -+'6AE,@? BD' , @ ' ;MMQ' = R 3 .' &- (U Z 8 C- ?+('0=01@ +@CD)' '+B@'D@E +@' -A, @CA A. Z +B@'J>A B A.' - AD ,->'%,@C.G?@A

*6- (*E0-' 7? ('=D(<(4U K07==4+' < =K0(D-[?E4' 4=7' , 7W ' 7? (' L-0=7 F VE 4*+' 7? K07==4+' < =K0(D-?E4 D7 <ED*' ?(17E=

MSS' ' ' (' ';0;'0>+'+B '?-+' C>@,' .@' -'G->C' F>@@A@ -?+B+A.' >-C' 84' GC AA @Z AD' ,) -E,@' ? U@'G->Z 1@ Z AD ,->' '+-'+B@' 7 -C,D' SMKS' -. 3 .' 0'< $,'SSSG'PKK' B@' AD ,->' ,,') .#8)' ?@A' C@' , U@' 'E .'- 'JC -A' +' EG' ! + A' A+-'+B@' JC A.' B@A @'+B@' B-,@'+- A' '>JJ,@D' +B' +@CZ $';QN=; ' 8 ' ?) 0 $ 0 7 U ' ;QLN' 'OK /-? + AZ +B@' ?-+' AD ,-> @?J@C-C2 AD'?-' + A ?->' '?@A' L I ' &!! , '8# " ! (' '<;' B@'? - +' AD ,-+)' ,@ + -A'+B +' @ @C' 'A' #S ECD' ;QM<)'%) ') ' 'S ' L=K ! AD Y ,->'+C ' A+C-D> @D' A+-'+B@ D? A +C + -A'- '*> + @' ;QQN' B 'C (' ,&' (PO &@C -A 'A-+' -A,G' .@A@C ,,G

AD ,->'A'+B@ C' , @ Z E>+'+B@' D@A+ ' ,'J@C -A' B-'^@+ a' $ A ' ' 0 (C 'SS Z ' +B ' A + A+' @++ A.' -C+B' +-'9 A >A Z +-'J,@ D'?G' AA- @A @'-'+B ' AD ,->' B C .@' $ &0 = B. ' ' 0 G ' '<M B@ -C +' +B +' A'E@' D'-'B ?' ' +B +'B@' ' AD-+@A+2,>S>C -> Z AD' -C,D,G' E>+' > B' , A. Z C@' AD ,->'A' 'JC@, +@' SKMK') 8) ' $! ' :'SS'==P B@' .C@ +' @S+@A+' +-' B B'+B@G'^EC E@ a' @C@' @J+@D'B ' ,-A.'E@@A' -A@'-'+B@' ->,@ +' AD , ' - ' AD ,->'C@ .A

?W70<=' (<W0 * K? -?(1(*70+' 4 3-447E='

?L-0=7 =F << D*-< *7 70 47) K =D(<(4

$%+J ' ' $ (%& ' (' ' ;OO !B ,' @' +B>' J@C? +' 'E, + A.' AD' ' AD ,->'EC@ +B'+-' ,,'#A' B ?' -'A@@C@' ' ' L%L>' = ' ' ' ;:' ;MQ B@G' @C@' A-+' -A+@A+'+-' C@+>CA@' 'C@ -,>+@' A @CZ E>+' DD@D' AD ,->' -CD Z +@C?A.'>-' ' 0 OM=O * +' A'#CD A A @ -C'JC-Y B E + A.' +B@'JC A+ A. -' AG' G A.'& ?JB,@+' AD ,->)' +-' " ' 3 *@ + ' X !=M "' = ' A' ' *0

0 0 & - 0 JJ)' 'OZ ' B ,' A-+' +C->E,@' G->C' DG B J' +B' B@C' AD@,->' AD' G', A.> .@'-'?G' -CD@'-C G->A @,@' $>++' 7 3 ' $" '&%' & ! ' ;;' Z " @ ,' ,,'A.,G'D J@A @' +B'+B@'B@ C A ' -'A@ AD' ->' ! +-CG' $>&0' - .) 7' &-'6&' ' A' Z B@' ?-+' L AL"JA' ' $ 0 Z A' =K A'D +C A A.' -C +@A' +B->' AD' J->AD'6J-A'B 'E-C ' AD' >CA +>C@' + A ,AZ 7 @C@' ->AD'+B@ @' AD ,->' AD' @D + ->' ,@++@C ' $ >/' ' A0 $ " (2 0>+' ' ?' ? ,,' AD' AD ,-> Z AD' ,- @'+-'B@ C' ,D' + ,@ -'&B , J

' ?(' =*(*-1- *' -*D F 7* L-0* - * *7 *6- D(=-' 00-4-)(*

! Z % $' ,0 $ '8;QQL('O= -+B A.'J@C+ A@A+' +-'+B@' > @' A'E@' D'+-'E@' AD ,->' SK-' 1 0 8;KOQ(=QQ T)B@' A+C-D> + -A' - ' CC@,@ A+' AD' AD ,-> ? ++@C >J-A' D + ' ;KLP :' !' ' ' $,(C $,

8 KLO(; PMQ

*7 9%E*0< ' 7??- =)-'

O%>% 9 ') ($' ' 'MM B@ @' C@'+B@' 6, @C' B B'C@AD@C% E '$' ' ! AD ,->' $%O&' ?$ > ' * ' 0 8;Q;L(;KL ;' +' >C@'+B@'! >C GZ 8@ @A' B@A' + ' ,E@ -?@' ,AD ,-> (

'L-0 W K

$'5D2 ' A' 0 '$ ' ' $' ' ' 2(

! AD ,->, ,G') ./ "' K$ 0

'$(H OG N< ' ' $

L% 0 A'3 -CG -A'! '(8;M;Q('OPO'!-?@' @D + ->'J@ -A' J@ U' AD ,-> ,GZ S .S < B7 ') T ' - &2 ' C@ +

?@+' +BZ A-' B@C@' @, @' ;KSN' ' (A' & ,. $ ' m;KLQ(' 'LNO :'B @'E@@A' AD ,-> ,G' , XG' A' ? @C' A.'G->C'U AD'@*) +,@Z ;K<P' 2' - '4% 4 '=<< O B@' A>?E@C' - ' -??-+-A' ' - ' AD ,-> ,G'->+'-'JC-J-C+ -A' + '+B@'A>?E@C -'C?@' -?? ++@D

! >'D ; - A @ ') ') . B ' $0 i' ! $<' 6-' TE(4 *+' 7?3- K'=D(<(47 =

;M=M &' B. '<& * ! && ' 'LKL' ' @' -J@A' +B@' A->+B@'-'?@A')C A +'->C' JC- @ -AZ EG'+B@'C@ -A'-'+B@' AD ,,-> A@' -' ->C', @ Z @ B ,,'B @'+B@'.C@ +@C' AA@' SK K 'C&!0 0O OQQQ'=MO B@G'@ >CJ @D' +B@' & ++ +@ ' A'+B@'JC-D .,+G' AD' AD ,-> A@' - '+B@ C' .C A+'^@+ a

D(.E<(4 1' 1(@L((. W' 4 *' ' =D(<(4(1(K (*E1 ' @0 -RD' 01-< S =D(<(4 7? 1(K (*-=?F % + ' ' ' ' + ' K- $ ' ' :

B@'+@C?' ' >..@ +@D'EG'+B@' -CD A.'-'+B@'+ +>+@' O (' ++' c 'PZ B B'JC- D@'J@A ,+@' -C+B@' - @A @'+B@' A.,- 5C'+@S+'-'+B@' + +>+@Z B- @ @CZ D-@' A-+' -A+' A' AG', +@C ,,@'I> ,@A+'@SJC@ -A a

6-' **-0(D-'70 LE34 D(* 7 ?(1(4 D 7E=0-L70* (K(=*(+'L-0=7 '674< K'(L7=* 7 ' 7? < K *+' ' L7LE4(0 W0 * K= '*6-' L4E0(4 W(= =71-* 1-= 1 =E=-<((= (= K / 4=7 ' W7DE4(0 E=-' =71-*6 K =D(<(47 =

SM)' =)). 'C & '5'5'*'EZ '7 C+'-' /@, GZ -A.Z -CD' ,$' $!$' $ '$)-(0 U@ -D' CM<' = R 7' "' $ - ' Z' ' ? -C@'J>A B E,@' A'->C'B->@' B@A'! AD ,>?'? .A +>?' SMK' '#'?& ! $)>') C' S= @A+>C A' +' , +'-A ,$' $!)- ' $) (+B-> AD'?-C@'G@+' +' ,'+B@' D@'D D'C +@')>?' 4M<K $' 2 7 $1!' '' 'O=' , $' $!$' $ '$) - "' -C E@,'>J-A'B '!>J@C -C' 4Q;L')) $!'&) ' >$ B%' < " @'A'+B@'5> +'&, @' > @D'B 'D @C CG'-' ,$' $!) -' - $ '$) - 0 "B5' B ' *(C&2 'B) "+B@'-,D@'+'+B @' KL' B@' + +>+@' - ' ,$' $!) - ' - $ '$) -' '+B@'-,D@'+'+B @' UA- ' 4KPN ' $ '. $! ' Z ,$' $!) -' - $ G' ') - '%' A-+' +C>@'E ,,

! >D -- A' ,=J1 <(0C. / 4=7 ! N (' <-07E ' 0%0-)=E1(34+' ?071' % % 'E ; ' *6-' (1-' 7? (=-(L70*' ' +0 (Q' ' 9 =W <4-0' ?0(E<E4- *<-(4-0

cM<c C $ &' ' ( ) ' $!' &'0 L=O B@C@' C@' ' -?Y J AG' A- '-A-+ E@' !U AD@C->A' B B' .C@ +,G' D@ C@' +-' E@' + ,)'3@C B A+)' AD'+B@ @' C@' > B' 'C>AA@' C-?'E-> @' +-'E-> @Z C-?' 3 CU@+' +-'3 CU@+2 Z +B'J U' AD' 5 CD@,' J-A' +B@ C E U@ Z ,,@D' +B' ->A+@C @ +' AD' D>,+@C' +@'

C@ ' AD'+B@@' C@' ,,@D' ,@D',&@D,@C)(0 -*+' 7? (00 -0 %K-7

'&@CB' -' ,,@D' C-?'+B@' +'+B +'I -C?@C,G'+B@'& .@-A' @? J,-G@D' EG'+B@' A., B' 5 +-CG' + ! AD@C--A'+-' CCG' A+@,, .@A @' -'+B@' CC ,' - '+B@C' B J' A'+B +' J-C+'+-' .@JJ- ' ' ,' ,!0 &*'(4 'LQ(S !-' ' C &' !' .0 ;' B@' ! AD C--AZ -C' C@ +' " -C @? A' =&!) - 1$')1 ,) & $+00 ' ' A-+B@C' EC@@D' - '+B@' 7 ++,@D'& .@-A' 4KQ< 9' 9 7 'C $, 'C &' V ' 'KN 7 @' B->,DZ E@' @CG' ?> B' A , A@D'+-'+CG' 'C-' +B' ' B +@' ! AD C--A

! A D @ A ' ,=J1 <5*/' 'N ' (< 6 ' 0(< % 'L0 LL4- 7? % *7 D4 13F =-- 7 W' 413 KU (=D- < K'

$ 0' ' 8 ' $, '8;MKL(Q "@D@C ' -C' GZ

B B'A-+ +B + AD A.Z@S @J+' A' + ' AD@A+'A +>C@Z .C@@D' A-+' >,,G' +B' +B@ -+B@CZ ' ,'!" ' ' 3 ' <$0&* "!0 S' K= ' AD@A+'&, A+' +B',-A.'-JJ- +@' @ @ Z AD' '3@,-AY , U@' $--+' SK ' 7 '&' %' ' !& $' 0 ' (:'LK $--+'J@C@AA ,Z +@?' AD@A+Z C@D' ;K=Q 'C ' A'6 '!($, &,0 ? ' $!>V H0 A') B@' ,- +'B @' ,,- +@' -A' +B@' B@ +' AD' UA@@ ? A@A+,G' E-,DZ > GZ AD' EG'E,- -?A.' +C ' AD -+B@C' AD@A+'J, A+ AD@A+' ;KQ< 3 ' 'C '' . ' ;;M' %- @C@D'

*' D(. <-03-K?' ' (< ' ' 4=7 !' =D(<-03(K' 0 'E=-' 7? *6-' E0J =6 (LL-44(* 7 ' 4-R(<-0' W*6 *6-' **4-' C 7? V-70K-' (=*0 7*-=' W67 4-< (' =EDD-=?E4 0-)74* 7? *6-' 43((= (K(=* *6-' E0J= ' *6-' : *6 D (' 6-' L07L-0 (1-' E=-< (44E=)-4+F -0-[=-134 K D(<-03-K' 3' ' =-< (= (' -L*6-* 7? (3E=-F (=D(44+

4P<K 0 '# ' ' ' $'' '') - 0 Z '8 M- (0'7(" -C -A' ! AD@CE .'C-.>@Z $' ') .1' "'%& ' &' "'#A ' 8;MP;(O;' AD' ' ,'E@'+B@! AD@CE@.'-'+B@'%-?J AGZ B@' @CG' ?E@C, A@'-'+B 'C ..@D' C->+' ;MK=' 8 ' ' Z B@' ! AD@CE@. ?-AU@G'B 'A-+'E@B 3'B ?Y

@, '>AB AD -?@,G

- D-'?' 7(<-03-KK ? ' ,, ! TU

" ' ' ' 3 ' & '/'L'EZ " >@'G->' -C.-+'+B@' ! AD@CE@.. A. ' .B+

D (@(' ,=J=-. < (/ ' 0?' ' % ' ,(LL' (' =+ 7 +1' 7? % " ' 6* ' % *

' U' + ' (' 6(3*(*7? D(< ()(

S , &5 (0 ' $!' $ 0' ' 'L L' B@' / A BZ ! AD AZ -C' J@CB J'+B@' -+B 'D ,@ +aZ+-' B B'E@,-A.'+B@' AY .> .@'> @D' A' /@A? CUZ -C GZ ! @D@, ADZ AD' , AD' 4QNK ' 'M' '< 0 ? ' ' ' 8;Q=L(;MO -CY GZ AB E +@D'EG'+B@'&C-.@AG'-'+B@'-,D'! AD A ' ;KKQ 'C ' ,0 ' ' " - &!0 =P= B@'-A,G'-E*@ + -A'+-'+B@' ++,@' '! AD A A' ' + ',@A.+BZ-A' B B' ->A+' B ,, + U@'+B@' ,E@C+G@'+-' B-C+@A'+' +-'' ! A A'

D(> <4 ' ' K$ % ') ' $.' ' %R%L' C

) ;Q)'%" 30 $ 1 8! OCX ' ' >8;Q=L(B@U' %BC + A'A ?@' @C@'.@A@C ,,G'! AD ' SK-K' - . ' ' ' &-0 ?$!!$ ' 'J'SS S' B@' ! AD ' B-,C Z @' UA- Z , G' , ?'-' A'@S+C . A+' A+ I> +G' -C'+B@ C' DD ,

D(< ((' ,=J=-@ <1@6) ((/' ' 0?' % ' B

B@'A ?@' ,$' '$0 $(B B' JJ@ C' A'+B@'@S +A.' +@S+'-'&, AGZ ' ' ? + U@'4& ,$ '$ $(' ' (T .$ G' '$)B %(B@A @' EG' A-C? ,' JB-A@+ ' D@ @,-JA @A+' # ' ,% 0?&&Z5.V LLLM(f#' ' ' A' I ,1' +(+B@'A ?@'-'+B@' ->+B@?'@S+C@? +G')'! @D@A'+B@' +@C? A ,'@,@?@A+' 'T$)B (# Z "' "' ' , AD a

?70 L-0*(K'*7 D(< ()(('K-7K0(L6 D(4 *-01' D4E< K -*60--D7E *0 -= 70W(+' W-<-' (< - 1(0J' 4=7 (= ' 7 -D7 -D*-< -*6 7' K0(L6 D(44+ W*6 7 - 7?*6-=-' *60--D7E *0 -=

;QK=' # 7 '= ! +' B@'$ @' AD' &C-.C@'-'+B@' ! A A A'&-@+CG' ' $ '.&'S>C'& ' B@' C B +@ >C@'-'+B@' A @A+' ! AD A A ' ;KM=' / ' ' ?' ' , '$' ' .' 9 - 'MQQ O B@' , A.', S@A' ! AD A A' ,-' U' > B' 3C'5@@E+@C'J +C>@ I>@' $ - ! 'B 'EC->.B+' 6 #A'+B@'E- CD

- D- 7(< (2)4(=1 '*6-'D6(0(D*-0 =*D <-(=7?*6-' D(< () ('L-7L4-

;KM=' $!"' 'SS 3 GZ / >C A.'+B@' C +'I> C+@CZ B- @ @CZ - '+B@' JC@ @A+' @A++ACGZ +B@C@' ' ' A + -A' ' C@' + -A' A' ->C@'-'! AD A A ?' 5"'"' ,$ -"'P' # + <MO ;' A' J, + ' C+'+B@C@' ' @C+ A'! bAD A A ?'C E,@Z B B' B ' +@D' -A.@ + A' @ AD

*! ",!%#J@' ' Z ' 4 % ' D4 13 Q' > P+ ,E=-<' 11-(K4+/' '1(D6 - ?70 D4-(K< 1 -+=')- *-<3+'V' 1(0*

;KOP' ' "3 $"'?.0 'M;Q'&C G' D@C ? ' D'+B@' ! AD -J@' AD'A-+'+B@' ,?E A.'-'E-G

D(< E**4' ,=J=-@ <@/' &; ' 0*' % F =--' '(<* ' ' ' 1 -*(4 < =D7)-0-< !2 =7 ' ' :&!" ' *6- D(< ()('1 -0(4-ER- *-

S) ' ,$ -"3; '!@J+Z;<K'&Z F @ '@'B ' -,+@D'+B@' ?@+3' AD >?' SK- ' ' - 'L'!@J+' O<< L' BC@@' C@ -.A X@D' . J'B @'E@@A' ,,@D'EG'+B@D -@CG -'+B@' ?@?@A+' AD >?Z AD'.@C?A>?Z 5 &' 1 0 OO :>,G'S K '!C' -C? A' - UG@C' ' ' --E @C @D' A'+B@' BC- ? - JB@C' -'+B@' B@' >A' +B@ J@' +C>?' J@ +C>?@+' AD >?Z AD' +B@C' JC@-@C D@' B@' -'+B@' +B@C' C- A A.' '$JB ' '3@AD@,@@ '&@C -D' ' C- A A.'+C >?J-@'

7(<4-' ' ! $

Q D(, <E4(0' ' ' 0(<'4(*-' ' % ' + ' ?' % ('077? K =6 K4- G

S)' .B '<!& & 0(,$')!$ (+B +' '-' --D@A'T" @ Z -C! A .,@

7(- ! $ ' 9

' D(>E \' ' 0?' % ,4(I-< ' ; U =--') ' Q' 47 G

)

MMP J ; 5 & ' &' % 5DO ';<O B@'! A UZ -'-,D' +B@'8-+B U

7(J- ' ! $ ' ' 9' 7(J4+7 -)(0 (* 7? D 1 7(47* ' 73= ' ?70 1 7?

D(1(K,=J=-> 1&->K/' ' 6-' (330-) (*-< ?70 1 I % ' ' 7? " " ' E=-< W7DE4(04+ (= ('W70<' '*6-' =- =-' 7? @=D(<(4@

$>>O) ' ' ,' +Z B@' J>E, B@C +BC@ +@A A.' B ? @,' +B'+B@'J ,,-CGZ-C' - ->+@'B@'AD +-A A.'B ?' @,' -C' ! A '3 ' ;KOM ' ' $ " ' ' !@C' ' $''&%' $'"' 0'8%-,E>CA('O=2;' A'. @'G->' 'D ,G'E +C +-' B -AY E,@ CA ? ' S)S' 7 ' ' ' = L8 .' ' & !$& '8;KPP(;Q(,$''- $ H' 'A@ @C'B@ CD' - ' $ /0 ' 2 ' ' &) ' !&, 8;KM;(;LP B@' C? ' - ' , @ A- ,GE>XX A.'+B@ C' A' ? .' A'JC +@'J C,->C

! ') S./$0 K$ ''1'* .'

G ' '!' $

! AA@C') 9 .$ K$ W 1

:$ '1 ' ' (2$

[illegible]

! AA A.') ./ 1E 0 K$ ' 'H

9 - , :$L G ' ' ' '3!$

:$ 5 ' %$

[illegible]

!$ 5 ')>$ ' , ' N$.

[illegible]

:$ > 3 /

('5 D / /

/ $ >$ ' 'N!$ P /

*' ' "') ' ' % 'Q' '%

' %

[illegible]

) ./000$$0 K$ '1'*CV ';$L

:$ G ' ' (2D /

$

[illegible]

N$ 5 +

/1

/ 3 $

[illegible]

9 2 "

[illegible]

D(= ! $ $

/ ! $3 $ '35

') 5 .$ K O$ % $

' $ % '! ' > $ $ %

'),$ % ' $ % '1

*4>'G ' ! /

[illegible]

;$ 5 'G ' 3 D

' 3 ' ' ' D /

(' $

[illegible]

') 5 .$ K$ ']'

% G$L '1 ' '3 $

[illegible]

'>! > @' ' P' 0?' '% '

,LL4'=*-1' % 'Q' 1 ! ^'

[illegible]

'! A -C@',=J=- =7@ YI/YY' '017< '

L'7?!% '7(K- * '7? % '*7D4 13G 6-'

(1-'K)-'3+'444 K-0 , & /'*7 6=?0=* 0<-0 7?

3 0<='D71L0= K'*6-' 4 13-0=,=--' (2 ' /

[illegible]

! A -C ,',=J=- =7 >0 (4/' '(< 0(' '

% + 'E=-<'?70D4 13 K,?' % '*7D4 13F

=--' 'TW'+' ' (!' '

:' ?70 L-0*(K'*7 D4 13 KU ,%'7?'*6-'?--*

7?3 0<=' (<'(1(4=' (<(L*-<'?70D4 13 K

[illegible]

: 6(*'D4 13=70 =K)-'*7D4 13 KU =L-D'7?

('3 0<'3-47 K K'*7'*6-' 0<-0

[illegible]

' 3 0<'7?'*6-' 0<-0

! > -C -A ',=J=- =7$ "=/' ' 0?' '

% +' ,=--'L0-D/Q' 7 =G ^'L0-D

[illegible]

! A -CG',=J=-1=<0/' ' 0(<'17< '

% + '70'?70D4 13 K'?' % 'D4 13G

?70 L-0*(K'*7D4 13 KU K)-'*7 D4 13 K

[illegible]

! A+',=J=- */' '(< -RD' 4=7 # !'

=J(*' >' =D(*-' '=J(E *-' 0(' '

, -E*' (<W'E=-< /F =--' '(G

:' D(*+'=ELL4+U <-(0*6'=D(0D*+'

[illegible]

? ; H(*'A@@DZ 0-TE 0-1- *'

[illegible]

: Y +' 6-'(D*7 '7? 'U *6-'<0(W K

(6-(<',7?W </'

[illegible]

! A+',=J=- */' '(< "' 7W1(4+Y?Y@10+'

701=F #>&' =J(*' ' =J(**' =D6(*-' '

=J(E *-/' '=7(*-' =J(*-' =D(*' 0('

K #'7? ; 8 30 -?, V'

% 70'*6-'0-*- *7'7?'*6-' -E*-0 - < KD?'

? 6 '(<'\8 ' --'(4=7

: R =* K'70'()(4(34-' (<-TE(*-'70'3(0-4+'

=E??D - * (17E *'TE(**+'70 <-K0--U =* *-<'

1-(=E0-' 7*(3E <(*' (<'7?D71 17<*-='-=L'

L07) = 7 =U (4=7 7? 11(*-0(4 *6 K=' (D*7 ='

TE(4*-='-*D

[illegible]

S Z 0G' B B' JC-C -A' @C@' -' A+Z B +' B>ADC@D'

[illegible]

3 '%0-D-< K('=3'W*67E*(0*D4-'70'7*6-0TE(4[

?+ K'W70<'F -0+'4**4-'4-=='*6('- 7EK6

[illegible]

1 '*-< ' E13-0=' E1-0 D(44+'0(0-'

[illegible]

*'<' 7 % ' % F *7 ?-44=670*'7

[illegible]

; ' ?('TE(**+'70 (17E *7?(+*6 KU 1*-<'

=* *-<U 7*?E44'4(0K-'70D7L7E=

[illegible]

3 (0-4+' (17E * K'*7'70 6(0<4+'0-(D6 K,('

=L-D?-< E13-0 70 (17E */' 6 -?4+' ' 'D?'

' "' ' 3

[illegible]

1 *-< ' -R*- *U 7*W<-'70 =L(D 7E=

[illegible]

() K ('=D(*+'70 4 1 *-< =R LL4+U L7704+'

?E0 =6-<' 7 =*

[illegible]

-6D4- *'704(DJ K 'TE(4*+U L770'1-(K0-'

7* ?E44'70 0 D6' 6 -?4+' 7? 11(*-0(4 *6 K='

7 =*'

[illegible]

: L(0 K'L(0= 17 7E=' 7*4 3-0(4' 4=7'

K77<'=- =-F 6(0+' 7*4()=6' 7 =*' '

[illegible]

! 'Y +' ?W <F 77 1ED6'(6-(<'=7*6(**6-'

=6 L'6(='*7'=(4',)-0+' D47=-' ?' '4'

, LL7=-<'*7 '70

[illegible]

& ' & ' (=' % '(<W U Q'=D(* 30('

7 -'4(DJ K 'W *=U ?'=D(* 6(<-< -==' K[

K(0<4 -==U =D(* 7? W < 'D(E= K'=670* -=7?

30-(*6U =D(*'7?'K0(D-' %'('@D-4-==?'-447W

[illegible]

(0<4+ =D(0D-4+ 3(0-4+ 7W ,=--

[illegible]

3 TE(4 ?+ K (' E1-0(4 ,W6 D6 =71-* 1-= L0-[D-<-=/' 7W 2' ,9 ZG

[illegible]

Q<' =-< W *6 (?7447W K * ÞU+ ' +' *7 < D(*- 1 1-< (*- =EDD-= 7 ' 7? -)- *='

[illegible]

D(* 4+

[illegible]

*4 ' 7 3-D71- =D(* 70 =D(0D-

[illegible]

7 ' 7 3-' < 1 =6-<' 7 ='

[illegible]

*7 <0(W *77 1ED6 (6-(<' 7 =*'

[illegible]

7 ?E0 =6 ,(L-0=7 ' -*D / W *6 (' (<-TE(*- =ELL4+ *7 =* 6* 70 4 1 * 0-=L-D* 7 L07) = 7 *7 LE* 70 J--L 7 ' =670* (447W(D- Y700 *7 3- 0-=*0 D*-< ' *6- 1(**-0 7? =ELL4+ *7 3- =*0(*- -< I>TW 9 ,D? ' 3/

[illegible]

7E

[illegible]

3 ' W *6 F 7 LE* 70 J--L 7 ' =670* (447W(D- 7? *7 J--L ,7 -/ =670* 7? *7 (30 <K- 70 <-L0)- 7? ' *7 3- ' W(* 7? 6()- 7 4+ (=D(* =ELL4+ 7? 3- 3(<4+ 7?? 70 7W

[illegible]

7 4 1 * 70 0-=*0 D* ,(=ELL4+ - <7W1- *-D / '

[illegible]

*< W *6 =E3I-D* (*6 K

[illegible]

7 1 (J- =D(* 70 = 1 (447 *7 0-<ED- = I- DE* <7W *7 < 1 =6 *6- (17E * 7? 9 %

[illegible]

*3 ' ? 7 4 @Y

[illegible]

7 @ * *6- =ELL4+ 7? *7 0-?0(** ?0 7 1 @) K *7 W *6 6 74 <' *7 3- KK(0<4+ 7? 7W - % + K *7 <74- 7E* =L(0 K4+

[illegible]

7 D7 ? - W *6 (007W 37E <= <-[L0)- 7? ?0--- =D7L- *7 4 1 * 0-=*0 D* 6-<K-

[illegible]

! 7 *0-(* =4 K6* K4+ 70 (<-TE(*-4+ *7 -K4-D* <7 4-== *6(IE= D-*7 7W

[illegible]

Q & Y + " 7? (=6 LF 7 3- 1L-<-< 3+ *6- S =D(* K 7? *6- W < ? =- =- (

[illegible]

- D- D(1 * 7K

[illegible]

[illegible]

+E :$L ' ' 3 ! 8

[illegible]

H 9 $ K$ '$0 1

[illegible]

$ 1 (b !

<]' / / 2 / < b 2 /

? /] /] b /)

2 /) . / b 2 2 / 2 /

/ 2 / 2) /

2 / b M / $

^ ' -GO R/ K ' $ $,$ ' !!& (, $ ' E

[illegible]

N$ E / A D

[illegible]

#$ *0 L 70 L -D- =-0) 6@ (= (=L-D 1 @ (=(1 L4-

[illegible]

2) S./ $ (K$! ,(

OF N/L 2 $

[illegible]

! 6- TE(4 *+ 70 ?(D* 7? 3- K D(*+

[illegible]

/000$ $(K$ '3=1'* 5R D4 -< *7 3- =L(0 K 70 KK(0<4+ D6(0+ K) K 70 3-=*7W K

;

SMA ' ,$ ' & % $, $ 0 OO + > B + ? @ - C@
C @AD C@ A+ A.2 ;MQ= : Y V $ (& - OP
-D B AD A J->C A. -C+B ,, A-+ E@ A+ A.
* 9@ 2 $ (
;MOQ 7 ! J$ 5 * (O .0 8;MO<(OM; ! A+ A.,G2 +
B->,D @@?@2 +B@ -CD E D D +C E>+@D +- +B@ @ J--C@
C+ A +B@ .--D +B A. - +B , @ C MMS : &
& ! ! B9 9 # + ;;; ;=K $ B CD ! ? C+ E>+ -A @2
AD +B + @A+ A.,G $ A6A.,Ga ?@A+ -A@D EG 3 C 5-S
9 2$ $ 0 K ?$ $ $0 1 * !
$ D)$' " D $
),$J % B C$ &'> 0 5LPQ : @G A + +B + B-A@ + +@@
A ,-+BGA.@ - ? A -C -?? A A ->@A E,@2 E>+ @C+@
+B@ >J@CA>,+@@ -C D -CD A + A+ +@@ &0 0 U A+ +@8@2
A+ +@a - ,-+BGA.@ C@JC@> E,@ ;PPN L ,$" ' 0
A ! 5 B **!,0? 8;KQ;(<P !B@J@ P B@J@? +@C
D-@+B > @ U A+G+@- -?@ ;PQQ KQ ' !$'
OOP O !> B +B@ A+ + @ - +B@? B@C@ A A., AD2
A -?J C -A - +B@ J,@A+ @ +B + +- E@ @@A@ A -+B@C
->A+C @ ;KL< : " (8 C$ &, 0 '))S OMP
+ ,@ + +B@C@ 0 @ B@C@ +B @C A. - ? AD D-@
C @ C-? A+ A@ - JC G@C AD -2 + -C+B ? A'
-A D@C A. E@)@C +B A+++G E@ A-+ J@C B A @ +B@
+C>@ C@ -A - > B A C? +@ A B - A - @
9 S / ' M $ KY $ ' -GO+_?$L
:$ Q ' -GO+G / 0 # !$
,;) P & ' $, A .@ ' , 8;KOO(=L ,, ? A -
+G ?) C2 B@ GA AD GA2 - ,, ? AA@C - U A+@,, 2 G)
B ,, E@ A@D@ >, AD C@DG +- G -CU@2
; $ ' / $
A ;P<M T A+,@" - +B@ F I J@CB ? J,G A @CC-C -C
A+,@ +B@ C@ D A. - +B@ 5
;P<M U ' 0 ;NN 8; + F - (!@@ B- +B
C >@C -?@ ?@ C AU A. A2 AD >+ ?@ C-? +B@ E@ + -
,, ? G, AD2 B>.@ B , @ ?--A2 ? -A +C-> A+,@ ->+
;MP= & - 0 &!0 ;<= B@ >+>C@ AA-+
E@ -A A@D +- - B-C+ A+,@
$!$ 3 - $. ' 0 " $) 1 9V$
;KPN 7 .3 ! ,$' E" ?-A. , +@C 2 . >.@ EG B B
, +@ C@ C@.>, +@D +- +B@ C JC-J@C ,@A.+B ;KMP : 4 5
B $ A)$;P B@C@ C@2 A DD + -A +- +B@ @
T O) , +@) ? ,,2 CC@.>, C -C+2 ,,@D A+,@? D@
- J @ @ +-- ? ,, +- ? U@T X@ , +@ B , + U AD A
.C@ + C@ I >@ + A @ + % -CA ,,2 AD -C? @CG +C-A. C--
2 ,, A+,@ >+ EG E-G 7 G 0 , 0 C)1!0 &,0"
,$' ! . >.@ JC C@.>, + A. +B@ JC-J@C ,@A.+B - , +@
T ! A+,@ , +@ C@ I> C@D , +@ -JJ- @D +- C .
, +@
9/ 0 1 0 ' M / _ $
Y $ >' -G $D * <$ < $
!
:$ $' 0 G 3 3 / /
1 D % E
;PK; $ 2 !! 8!B U !- (;K= B@C@ +- E@ @DD
+B EC@ D AD C +@C2 8 AD G@+ +- E@ A+,@D +B > B@
B-C+ ,- A @2 + A-+ E,@ +- > @ A +>C@(;MLN
8 ' 0< ' ! - 0 OON O@ D@ 2 G-> B->,D E@ -?@Y
+ ?@ - A+,@D2 -C A+ - >E*@ + 2 +B + ^@+ a
! $ 1 !5 G ! 1 /
2$ > $ < $
$%&$ 8) ! >) - * ;P ?@ ->,D --A@C
,,@ ?@2 +B@A +B >E*@ + A+,@ ?@
N$ G D /
1 / D / $
;) ' 7 E!")*&'0 B$ 5 O G E 2 -- A. B
C@J- @2 AD A+, A. B C@J +@ S) M) 7 C
;= B@ B A@ - O@@ @ A .C@ + B-> @ C@ A+,@D +- E> @
B A - .-,D MSS 1) 0 < 0 ? 0 S , e Q OQP
-C+ J-C> > @@D@D B ? A +B@ 9 A.D-?@ - +B@ OC +? A 2
B B +B@A ?> B A+,@D EG +B@ A+C> -A - +B@
! S-A 2 $ 4M=4 OJ = B 7B & ' 0 8;M=O(=N AY
, C.@D ?@C @ ?> + A-+ E@ --J@D >J2 -C A+,@D
E$ G 1 $
L% & 1 (1 C & 0 0 ' (PM : B ,, . @ +B@@
+B@ B@ +B@A -C +B A@ AB@C + A @ ^@+ a B B A-+ +- E@
A+,@D EG -A @ A. + -A@,G - +B@ ,, A. - +B@ @A+ ,@
+- +B@ -??>A -A - B %B>C B 1 0 MP B A-+ +- E@
- A+,@D2 +B@C@ @C@ A- ? -C@ A >@ @ C-? 9 A.
>J-A +B@ %B>C B E>+ EG B-A->C AD C B@
$ G 5 " :
= $
SM S 1 %E $ 1 S- S 7 @ C@ A-++-@SJ@ +
, U@ @S +A@ @ AD >C +@ B AD, A. A ,, J .@
O>+ + > @+B +- E@ A+,@D -CD A. +- +B@ !>E*@ +
9 T : 6 ' 8;MLK(;K " - .C -> ,G ->C
@ AD .--D -D JC- D@ -C ->C , JJ@C @ + +@2 A
A+, A. E JC-? @ - .--D +B A. - +B + U AD@ +- ->C
!J C > ,, U ,,2 AD C@ - > A. +B@?2 SG S 7 # &
* 1) ! 0 (B@ 9A@@ E@ A. A+,@D +- > +
+B@ !+@? C '+, *- A'D +- +
$ G) .D 2 ! / 1
) 1 .$ > $ C3
$ 4!<O) 7 P < &&. ' 3 !$ 8;P<K(5 B@A
A+,@D @ ->C +,@ +B J@@D @ E AD ;MLN
&$ > !&& A) ! O 0 ;NN B@ - C A. 9 G+@ +B@C@
A+,@D B , C.@ A.
G & !0
;Q=< % " ! $&) & &' - # + 2 B@ & - J@ 2 +@CC +-C @
,,2 ? - + >AD->E+@D,G2 +B A @A+>CG2 E@ J+,@D ->+
? -A. +B@ .C@ + &- @C 2 B- B @ A- --+ A. A
+ ,G
? W <F 7 3-D71-S=D(*> , E* (LL
6-0- *(J- *7 1-(S *7 3-D71- 4 K6 *> /
L% I> 9 & ! && ' 3, $!% ' ' ,& 0 @+ ;QL !B@ ->,D
@,, AD@ +- AG -A@ +B + ->,D2 7 B B @>@C +B@ !@ Y
C@C AD D B@G C- @ -C A+,@D2 B ! G,@ ->,D DC >@2
- +B@ ?@ &-C+ B@C@ B@ ->,D C >@
- D- * 7(@ *4-<**!0 $0(1(<- =D(* 4 1 *-<
;MN= 9 & ! ! ;O<= B ? ,, &-C+ -A - ? G A+,@D
!+-C@ AM] C& " !1 0 SS ;O 8 7 @,, AD: A B@C A+,@D
E AU 2 +B->.B ADC A. ,-A. A ,- 'D2 $ $%&$ 1 %
, B & ' 0 4;97S+ OL B6 +B@ C J ++ A @2 AD A+,@D
,,- A @ A +B- @ - G@ 2 2

9 S $$ 1 0 ' M $ C $
(1 0 a D $ (C !2 !
(31 ' 0]
:$ P ! A / $
;PNO L 8= : A (% , & %) - ' 0 3, @+, OU SSS
- ;=M2 *- 3 , - .--D@ , >,, \ >, A+ EC@U@
; f EC U a \ +B>C.B \ >@C,G +- E@ EC@A+ AD +@C +B@
! A,-+ - S GA B@ \ B , @ - ,@A.+B@, C.@ P A EC@D@
\ +BGUA@ -CDGA.@ +- +B@ ?@ ,@A.+B@
; $ Y ' / ! 2$
4!=Q . B ! , 0 & " ' ^ +C ..@C A
E- , A. ? CU +-*> ? J C-? 8# @A &>.B(a2 A+,@+
$ ' " 2/ $
;M=O B . 7 @++2 & 0 C & & % & ' & 8;MP<(
; B @ E@@A -?@+B A. >C -> +- -A D@C +B@ A+,@+) -
.C->AD +B + A.CG 3-A @>C ->,D B @ B D A ^ ,,> -A
+- !B U @@ I>-+ ;P<M2 . 1 0 * $ SM)
C - 0 0 $ ' 0 8;MQQ(OOM +B@ 7 -C,D .C@ EG +B +
?@ A >,,@C2 - +B@ C @ @C@ > @ @,G C@D> @ +-
B-C+@C A+,@+2 + ,, +B@G ?@ +- +B + -CD A CG .@ B B
A- +B@G B @
U) ?./ 1 0 ' /
S / _ $ K+ 2 A I
' -GOO -/ (C G 3 I
3 !
!2 1
HO ' ! = $
> $ ' -GOO - 1 0 $ 3 H
K %#C ' 8) IES, I I I S OQ 7 B B@ I GC@ B ,,
I C@ ?@2 A , A @,, E@A+2 5-C + .B+ C@ ,@2 +- B-
?@ AA- @A+
$
;PKQ < .) 7 , ' $ " S ;PM B + A-+B A. A , +B@
7 -C,D@ ? D@ - A->.B+2 ?@ >C A. - +B@ E> ,D@C
AD B E> ,D A. EG -A@ C>,@ -C U A+, A. ;MQK !"
$,! e ;< OM< - ?@ >C@ ??@A +G AD -?A J-+@A @
EG ->C A CC- A+, A.
; $ 8 ! A / ? /
! / $ 1 !5
2/
4PKM &) 0 0 8;Q<N(OSP B@G B ,, A@ +B@C @AD A-C
EC A. A+- +B@ %->C+ AG & U@ - ,@ A+, A. +B A
@ .B+@@A A B@ ,-A.2 S) , C " &) ' , ! 8;K<Q(4
;Q; &C- GD@ E>6@++@ - ,, A+@, A +- E@ @A+ +- +B@ -CD
D ? C ,,2 AD + - , +) - J->,D@C ;MNQ 1 [.. &) 3%0
? $;=K / - . - ? DD,@ A+, A. E@@+ S+ +B@ C + AD
+B@ @ -AD ; 3 L& 6 ! ! $ ' 0 2 ;P B@ +@C2 U@@J
+ -A@ A+, A.2 A@ +B@C @,, A. B .B@C A-C D@ C@ A.
;MKM . $%%& .0 L<N " A. !@ @C , B-,@ - D @C@A+
! X@ + -C +B@ A+, A. - ,, A.@C 4QNK < >
, X-- - + A-+ - +B@ ? ,,@ + A+, A. 4Q!P).
$ - 0 0 ?!- C>A B@-A - +B@ O->.B >+ +- +B@
! bB+6A. - 3 A C?
!$, ' 0 1
! / 3 $
JJ, @D +- + ?E@C2 +B@ -CD > > ,,G D@A-+@ +B@ @ + -A ,
D ?@A -A 8+B UA@ AD EC@ D+B(- E@ ? @+ 2 A -A+C Y
D + A + -A +- +B@ ,@A.+B B@ A+, A. - E,- U - +-A@
+ ?@ >C@ ?@A+ A ,, +BC@@ D ?@A -A A !B JE> ,D A.2
> @D A ' (AD * 0 -C +B@ D ?@A -A - +B@ C -> J C+
- @ @,2 C@. CD@D -,,@ + @,G
> , S = O C ! * = $ " ;M P AG 7 B CG@ -C
O- +@ B B B ,, A-+ E@@ -CD A. +-+E-,D I> A+ + @2
A+,GA.2 +E UJ@ - E--CD@2 .--DA@ \ .--D JC-J-C+G-A2
B@C@+- -C@ B D \ > @D H93 8 5 !$ 5& 0 &\
B + +B@ > ,, A+, A. -C +B@ +B UA@ - J, AU@ E--CD
R R- ! ? $ > ?) " ' CE@C $ " MOP O>
- +B C+G @ +2 +B + 2 - @ @A+G -A 2 - @CG
.--D AD ?@@+ X@ -C A+, A.2 B@C@ +B ^@+ a ;MQL
1. 0 !$ ' ! > (0 [QL; : ;ON 5-CE DD A. AG 3 A
+- >+ D- A AG # U >A,@ ++ E@ - @C+ A ! A+, A.
4 J $ ' (&,0 4 L; 1->A. - U AD B@ +A>+ -
+B@ ?@ .@ AD A+, A. I OJ " & ' 0
e <; B@ B CD@C +B@ I> , +G - +B@ ?--C +-A@2 +B@ ?-C@
@S +,G2 + ->,D E@ J, + +- +B@ X@ -C A+, A. C@ I> C@D
XKS 1) 0 OK # + A 5$ - ' 8[K;L(= : A
M O B@ 6A +@D !+ +@ E> ,+ +B +B@ A+, A. -
@ @A+G ->C .>A B J SK) & (. $ *(A ' , " ,!0
&*0 8[K=P(OL! [A C@. CD +- I> C@D +-A@
+B@ +@C ? ^ A+, A.a JJ, @D +- +B@ +BC@@ D ?@A -A
- ,@A.+B2 EC@ D+B2 AD +B UA@ ;KLQ ! ' 0 %" , (
" !0 9 # B@ J ,@ C@ C-? + @, @ +- + @A+G @ @@+
,-A.2 AD @ .B+ EG S A B@ AD B , A+, A.2 B-D +B
C-A ;KQ= .. ' ,0 = & 0) ') A+C-D L=
@A@@C - @,, ? -++,@D --D -C - JC@ -> --D2 ? ,, A
A+, A.2 @C@ .,>@D -A J A@2 @D C2 \ 2 E) SKKK
$!" 2 ;Q # + = Q A@ + A C@ +@ ? B J2 E> ,+
- +@@, +- +B@ ?@ A+, A. - C-A2 $ $ O/)
7) &1 & 0 8;K<M([<M # >C C? ->C , D @C@ -A
+B@ A+, A. - , B@ - E ++,@ B J 2 E>+ +B +B@ DD + -A -
-A D@C E,@ E@ ? -C D+B
% $ = % $ /
) 9. 2
! 2$ 1 (
O/ % - ? $ 0 < ' <= + A E@ -2 +B + ->C
@A+,@ ? A E@ -C@ JC-J- @D2 +B@ A+, A. AD ?@ >C@ -
B , > A. -A D@C@D SM-- B 6. &) ' " $ - ?
S6S PLN 7 B@A +B@ JJ,@ B ,, E@ @,, JC@J C@D2 AD
-?@ +- .--D A+, A. - C J@A@ OMO= 1 = B 7B
- - 0 $ 0 ;== B@ A.@, E@B-,D B + +B@G A E@Y
B-,D AD @@2 AD C B A.@, ?> B +B@G C@ J E,@
-2 @ B -CD A. A+- B - A@ ?@ >C@ AD A+, A.
4MP= " 4 7 % -J 8;MPP(Q= B@ $- E@,,@C J@CY
@ @D EG +B@ A+, A. AD .C AD>C@ - +B JC@J C + -A2
+B@ A +>C , >@ ->,D E@ A- -+B@C +B A +B@ C C>+A@ OM<O
$ ' $ X) S, [O< B->.B +, " CD 3 ++@C
+- AD ->+ 7 -? A2 @ @A + +B@ O@ +2 +B + ' - :> +
! A+, A. -C B@C .@2 &@C -A2 ">?->C2 AD 5-C+>A@ +-
? U@ 7 @ - OQSM : 1 OO ' 0 L # + 2 7 @
+B ? -CD A. +- ->C A+, A. C@+>CA .,-CG +- " ? B@A
@ @C @ +B- @ J>CJ- @ " @ ? D@ > -C (
5$ - 0 e ;=L 8;Q=N(LNQ 7 @ ? G JC-J- @ +B@ S+C@?@
+- B@ +B@ ! A+, A. - +B@ >+B-C' , @ AD A @+@C +@

3 , @2 S)) & ' & - L<: LK; B@C@ C@ ? AG -+B@C 2
B- @ E, +@ C@ - +B@ ?@ A+, A. +B + B @, C.@
, C @ +--
Q ,70 % H 7? *6- =(1- = I-U
6- D- 1ED6 (4 J- S 1ED6 7?(1ED6 -==> ,D+ =
=71-* 1-= 71 **-< /
S)) 8 6 - 0 - 0 8$-SE (LLQ 3 G ,-CD
? C > C@ CD D@, @C@D + & C 2 -C+B PNN J->AD2
? G ,-CD - ,G ONN2 ? C " -EE @ ;PN2 +B@ C@ + E->+
-A A+, A. $%JJ . ? ' $; 2 1->C
-CD B J @D-?@ AD ? A@ ?> B E->+ A+, A.
+B@A 4MQ< ' !) ' D 0 &C@ 2 B + +B@C@ A 2
- 6 A +G B-J@D -C2 A-C J@ @ ? A+ A@D2 >A,@ ,, ?@A
E@ - (A+, I. +B@ C *>D.?@A+
Q - ; % *7 1-(=E0- 70 -=* [
1(*- *6- = I- 70 (17E * 7?U 6- D- *7 ME<K- 7?
-=* 1(*- 7 " %
S 0 5 ,0 H0 X OG +B A- ? G
C@?,, %BC + A + U@ -?@ A+, A. - B - A @ + +@
+B -D 5 B 1 .. &) %(? $ MPP G-> + U@
+B@ C A+, A. AD ,@A.+B +B@G C--U@ , ++,@2 +B@A C@
+B@G E->+ +BC@@ --+ ,-A. 4M=Q 11 & - - 0 # & 0
4 7 @ J->C -C+B ->C @, @ A +B ->D - J@@ B2 +B +
+B@C@EG G@ ? G + U@ A+, A. - ->C - @C E>AD A+ ,- @
+- G->C ->, ;MPQ) ' 0 &C@ e ;P 8;MK<(Q=
5C-? B@A @ B @ ,G @ C@ +- + U@ ->C E@ + A+, A.2
B@C@EG +- *>D.@ B + 2 AD B + +- E@ @ +@@?)
&-J@CG2 2 * <& (&') S e ;P ;P= 7 @ B @ A-+ -
*> + A+, A. - ->C @, @ 2 +- UA- +- .C A B +
,, ,@ @, +B@ ,@ 2 AD J, @ > A +B@ C .B+ ?@D - C +G
? 1 *-< 1-(=E0- =L(D- (17E * -*D U (4 1 *
$/O> & ' 0) 0 8 D A(2 !> B @S @@D@
A-+ +B A+, A. 8 D ' '&') ! $ &, *&) ' H +- E@@
-,, @ +- +B@ !->@C .A@ AD B C?@,@ @ +- +B@ J@),@
B 6. &) ' " $ - S =;= B@ E>++@C , @
C@ -C E, @ U@J+ +B A A CC- A+, A.2 +B@ J-+ + @, @
E@ A. A-+ D@2 E>+ A CC- 2 SDSG ' 0 OK;
7 -+- +B@?+B + G?@ + +B@ B@C B A. - +B@ J@-J,@ A
U AD - -C? , $@, . -A2 AD ->,D B >@ A-A@ +- @S @@D@
+B@ C - A@ -D @ A A+, A. SD S 1 = B 7B
$ 1 # O@ > @ + CC@ @S @@D@D +B@ A+, A. - +B@ C
&--C@ AD@C + AD A. 2 AD AD@C+ U A. $ /+ B.8
' &*& - 0 SS2 8;MPL(LL; 7 B B B@A +B@G C@ +--
+C +,G +B@D +B O AD 2 C@D> @ +B@ OC@ + +- -A CC-
A+, A. J+ +- @AD A.@C +B@ , @ - %B ,DC@A
SM) B .) 0 ;;; ;N=M AD @++ A. ,, +B@ AD -A
C@ - E>CA + ! A+, A.2 E>+ A- B .B@C $%OO &
. B Q= O>+ +B @C+ A,G +- ?@ >C@ C>+B EG
C-A. !+ AD) AD +- % C >? C E@ B@C EG +-- A CC-
! A6 A.
* 3 , % 2 % (LL4 -< *7 *6- <=*(D-
?07 1 *6- 1(0J W*6 W6 D6 (=67* W(= 7* 0-[
K(0<-< (= (1 == 4=7M@
$/>>"%> ' B , 0 !$ ' ;; O ? G
) >@ G->C J +@A @ + ,, + ?@ G-> @@ ?@ B--+ ? G E-,+2 ;
B-J@ G-> " A-+ D@A @2 ? + +B + A@@C@ +B@ JC U@ G->
C@2 AD @C @ A B .,@C ; ?2 G@+ +B@ A+, A. B ,,
E@ ? A@ OPK= 7 I ^ .) VT & . (& . %& - " & '
A " ,, & . 0 ' .&!(8;KP;(= AD +B@A B--+ A.
->+ - CG@2 AD U A+, A. + B AD >,, A,@ ;P<;
- .) & - - 2 0 S S QO E2 -+ > @C A. +B@?+ +-
@ +@2 + , +B@G B >@ B-+ A@@C@ +B@ ? CU@ +B A @C+@ A
A+, A.2 $;99; - B.. & " & ' (; 9#+;;0 ;<;
J--C O,@ % J J, @D - @,, +B@C@-A C@ @A. A@(2
+B + B@ ->,D B + +B A +B@ A+, A. - !B ,, A.
J-C+ -A2 ,,-++@D I> A+ +G2 ,,- A @2 %
L% O < ' ! - ($!! ' " 0 S2 PLO -C +B@ C JC D@ -
C-A+@D2 +- E@*-C. -+ A +B@D +C E>+ -A - +B@ C + ?@2
.--D A+, A. - + >+ ->+ +- + > @ SG - 0
$ " SS 2 B@ ?>,@+@@C +B->.B+A-+- +- ?-CC- 2
&C- D@D B@ .-+ E>+ B A+, A. - O>C.>ADG ;KLP
I4 .8 .. < , < C ;Q; B@ JC + @ - E>CG A. C ?Y
A , , @2 +B A+, A. - S) EG +B@ C D@
=1(44 70 =D(*+ L70* 7 70 (17E * (
17< DE1 ,7? *6 K= 1(*-0 (4 70 11(*-0 (4/
4PKP ' 7 %) ') T & - ' ,!0 =;O $ - ') - (000 0 C .Y
?@A+2 C@ ?A A+2 A+, A.2 -C : +,@ J@@ @ - ? CE,@2 -C -+B@C
+B A. L% > 1 .. &) %0 ? $ PLQ B@ -C?@C B-- @
- B-C @ E@ A. C J@D2 AD)+B@ ?@ C .?@A+@ -C
A+, A.@ +B@C@- E@ A. E@ +@A A +B@ D> +@ X=MP R
8 & - - ' 2& $! 8;<N;(#7 #A@ A- C@ -, @D +-
,@@J ->+ B + ? ,, A+, A. - +?@ B B ,@ + B ?
4Q=L " 9 .1 . 0 & $' ' = JC 2 ? C@ ,,G B ?@D
+- @AD +B A+, A. - J J@C EG +B@ J- +2 - @C - ? AG
@ AD ?->A+ A ;QM) O " &&! & %A) $!0 :
J 2 AA-+ AD E->+ ?@ +B@ ? ,,@ + A+, A. -
@A@C + -A -C G->C C+>@ ;K=< % ! " "
K< O>+ A+, A. - JJ,@ @AC B@D +B@ +C@@ ;KPK
V. 0 .(< 0 S S 8;KQO(;<N 1-> B ,, .@+E U
G->C -?E CDG2] ,, E>+ A+, A. B B @ , A. +-
+B@ ! CD A A 3 *@ +G ;KQM 7 0 5 31.0 < &!0
OM !-?@ A+, A. - .@-,-. , UA- ,@D.@ ,, E@ -
D A+ .@
Q 3 -L *71- (30 <K-1- *U (4=7 (=1(44
0-1 (*
;PQM - . 7 - $DC 8;KKN(2 B@E--U@
E@ A. E>+ J ? JB,@+ -C U A+, A. OM<L :) 8)) 0
0 # (0 : =OP @,,@ > & +@C >,> 2 A J +-? X@C2
! A+, A. - A " +-C A OQNK ' B) A "@ CA@ &!!0
L >. 8# " ! (A ;OL B@+ -CD A-+B A. E>+ G) J--C
A+,, A. - A A @A+ J + -> +- A
? =(1L4- L(**-0 =L-D 1- - D- (
=J-*D6 7E*4 - 07EK6 <0(?*
;PMQ < .) 7 0 J + LQ< " - # D A+, A.
+B +B@ B-,@ +C>@ J ++@CA@ D-- .C@@ OP<Q)
$ <& > %) - 0 8;M;O(PL< B E>+ + + AD
A+, A. - +B- @ +-C?@A+ AD J>A B?@A+ B B C@
JC@J C@D AD ? D@ C@ DG -C +B@? A +B@ -C,D +- -?@
XD-M) 0 2 B L=; 5-C +B@ > @ @8 ,+B->.B
J C+ >, C(B ,, .,>@ A+, A. # .--D -C E D A+- +B@
@A@C , 2 ;MML = * 9 E+ %@A+>CG - +B@
?@ AD ! A+, A. - > B A @A+ -A 2 + JC@ @A+
; A ,, +- ? AD +- B @ +C @D AD J@C @ +@D OSMMK
. &"0 $!" 8;MQN(KO AD ,, +B@ G ,-A. @
> B -A+ A> , !>E>CE - + +@,G ,, AD ,, .@ 2
+B + +B@ @ A+, A. ? D@ > A ,- @ +B +B@ B-,@ & @ @

[illegible]

[illegible]

[illegible]

+B + C @+B C-? + B +B +BC@@ D@ +B +BC@@ -CA@C
+C A.,@ @ ;QKW = &) $)› ?&0S 8;Q<=(;MM
$ E -C+ &, A+ A B +B@ J@ A.>, C AD + +@D ;KO=
: A $' 0 & (&,(8;KOM(;PO B@ J@
C@ B-C+2 .@A@C ,,G B , +B@ ,@A.+B - +B@ ,@ + ,U KKW
K ' (C " &!(?& 0 8;K<O(LK= B@ J@ - ? AG J, A+
D@ @,-J + C J D C +@

$ 1 0 ;KQN) (!& $ LO / C E C>J@ +C
J@ ,@ -C -

! - (8!@@ I>-+ (

;KQ %-> ! V " 0 - (? O J@C @ + @ +B@C -AY
+ - ? A +@?V -C J@ = ,$) 00H AD >JJ,@Y
?@A+ CG +@? -C +@C B +

M ' 40 8!@@ I>-+ (

;KOM E , 1 ' &-&!0 SSS LMM ! J> 8+B@
! J@(B@ C + AD A ? AG @ +B@ ?- + -A J >->
*- A+ - +B@ ' ' '$0 + A ,>D@ +B@ ?)!1) 0 1 $0 555 (
P;P B@ J@2 -C C + *- A+2 EG ?@ A - +B@ E>,E A- >Y
, +@ A +B@ +-C>,> 2 -C > J@AD@D +- + &L& O o '
5 ›1. 0 ' &-&!0 PQ A +B@ ?-C@ J@ , X@D -C? + 8+B@
A+@AA a D D@D A+- +B@ ,$* +B@ * , ! AD
!!) - 8-C ,!$ &! 0

! J@ 8U) J((^0 U -C? + -A C-?

$. @ 2- @A@CG - AG U AD2

B@+B@C -A + A. - , AD2 +@C2 ,->D2 -C AGY

+B A. @, @ , - +B@ @ -AD @,@?@A+ - -?E 2

-C?@D A ? + + -A - !$' ,$* * $

,!&) 3 ,$*," AD C -> A-A @ -CD

" ' 5 !1& '&B 0 & ?$ ' &' < /@ 2
3C $ G -C B@D +B +B@ JC- J@ + C-? &,>?J+-A
J, A2 A@ C @ @ 2) +B + B@ ?@A+ -A@D +B@ @ J@ A B
7 D-? - -D A +B@ 7-CU - +B@ %C@ + -A +B +B@
>+?- + + + -A ;)QK] 0 & "0 < >. 2 "@
C + - ,, U@+ B@ B J@ +B ,@ D J@A , ;Q<M
(2 $,. - & ' LL< 3G ? ,@ EC A.
?@+-C@? CU -A +B@ , AD J@2 -C C +B@C +B@ JC -A J@
C->AD ?@ ;KPL 5 C$ &, 0 $ - % 0 $
LMO />C A. +B@ +@A G@ C ' B @ , @D B CD EG +B@ / - A 2
B @A@ @C @@A A.,@ D-++@C@, -A +B@ C J@ 2 ?> B
,@ +C J- +B@? R&X& $!" 2 L !@J+ 2 !-?@ -
+B@ @ ,->D J@ C@ @S+C@?@,G .C AD bKKW ^7 "
5 ! $. 0 ! 0 > 8;K<O(;K !-?@ C@, @
C-? +B@ -A+@?J, + -A - +B@ , AD J@ -C EC)U) J@
;<NQ 7 (C $1 !L "@C@ -A@#+B-@
?--A J@ B B +B@ J-@ B->,D D@J + A @C @

D(L- 8U J(2& 5-C? - J -2 # - J2

, J@2 = P U J2 B J8@2 = M U J-2 P - JJ@2

-U J2 B J@2 U JJ8@2 P M ,0 -B ,J2 M Q

J@2 < $!(-@ J@2 = J@ , -=) 0

%$0 0 -J@2 U-J@2 = U@J@ ^ JB@+ - G C -

: 5C@I>@A A JC- @> @+ ,A@ C+B@ @AD

- +B@ ;Q+B >E @I>@A+,G -A,G $, (AD %& 0(

AD - +@A C ++@A > ,$% !H

: % $ 1$ 2 / $(0

,;OQ KOM @ ,@+@)@ A AA@ U@ J+@+- @,D@
$;LNN) & 0 PNNN 5-C :V C +-U E@ B@ E ,2 - J
H<$ 0 B J2 0 U J@a + . @, C @ A ;LNL
E 8 $!0 " ' ;NMMQ 5-C B@ A@ B>,D@ U J@
7 :V@ @G@2 "@ DGD -A BG?2 E-AD@ -C + - ,@G- L b
<& *0 ,& 0 O=N 8 DD 3! (& , +@ D@ (VW B@ J +
B@C-D@ J>C @ @D - , " :B 2 V D@2 J CDG@2 AD) +
B@ U JJ D BG? C- QL 0 0 !! 0 C0 % ;PP 3 -AG
DD@ J@C -C+B ,@J +- , >@ \ +-U@ +2 ! -J@A ->+ +V@ E@,
+@C2 E + GA J@ -,D@);=) & 0 " 0 8!B U
!- (;=; 1 +B-> E@ ,G,+G +B->? G + A-+ B J@ ;=K<
L ?!$, $ " S, +!' "@ CG.B+ C-++B AD
-CG +B + B@ J@D --C-?BG? ;PNM V $!0 . * (
8!-??@C(;P<!B@ B ,E@ GU@ A +B@ .@ - G@C@ B@
B ,,E@ A D >A.@C@ - D@+B@ AD G B@ U J@ B@ ? G
,@>@ +G,, S, * G@C@ ;POM? (% (;K #A@ +G+,@
- +B@ : @ B ,A-+ J@ +G,, , E@ >, ,,@D m!-RX !
8 @A@ (a ;P=N $ - ?1! $ -0S =! >, AD
:-A +B @C@ >.B+2 E>+ +B@ J@-J,@ B J@D C@@ ;PQL
$ 0C& - %& -(S, ;ML E G CG + A >C @ +B + B@
! B J + I> U2 D ;MLN = 8 SSS S Q 7 B@C@ C-? +BG
J C + B , J@ 7 B@C@ C-? +BG JC@ @A @ ,@@ ;ML=
= . & -) K;= 7 B +2 B @ G-> ,@+ +B@ , @ @A B A+@C
J@ ;MMP &C@ 2 " - D >,+ +
E@ -C AG 2 +- J@ C-? E@ A. D - @CD ;8<O $
4 7 $1! SS QN A +B@ @ - O ++,@2 B@C@
+B@ ! -,D @C .C - @CG D G ,@ JJC@B@A @ - +B@
" XX CD2 EG @@ A. -? AG &@-J,@! J@ $>&& 7
C 0 $! A eKL # ? AG +B-> AD ,@ >AY
+ A+@D J@D # +B- @ A@ +@D @ @C J D , @ ;QK=
%- J $ $. KL; B@ C- U A. A> A @ ,>CU D A@ CG
A--U -C J , @2 A-C@ @A B ?E@C 2 J D $ $&
1$ 0 C$ 0 K< .B+A A.2 J@D C-? + - A JC-J@C
J, @ ;KS= 0 & % ! 2 A B>CCG -+B@ A .B+2
! J@D A-+@,@ 2 AD +B->+C@? CU -C A.@C ->.B+
B@ EE-+ E CU

K & *$0 0

, 0 & " B> U-J@ C-+B@ U +B@ +B
UGC?@ - ? G B-AD@ 1 0 ;L;M;M B +> E@A U@J@ >C+B
+B B U C@ -CD %;=PN . $! OPQ !-E)+
A-EGA. +@ >@ (V@UG,) 2 E)+ AA@E@ -J@2 AD) - A.
-AA@ - B G @ $& + F L $) 8$-,, (
PL= 0>+ B@ -J@ C-B@?A +-B ,-CD@ J, @ ;PLM
0 C 0 8;KL=(LPO B@G ,@D +B@ EC D.@2
B B B-+B@C J@C @G GA.2 -J@ ->+@ + +B-+B@C @AD@
+B@C- 4PLK 1 0 ;< 1->C -A 0 C+B-,- ?@ -J@
+B@A B JG2 -C B@ +B G,? @C2

E $ 0

;SLNN) & 0 O<OMN V@ ? A CA A-.B+ E >C A.
J@ ;L V0 ! 0 QQLP 80-D, 3! (2 3GA@ E-AD@ A@
U J@E B@ A@>@C?-C@ ;LKM B % +& % $5 0
;;P; ' B@ J@D , B C@ >@A+>C@ ;LKQ 3
8$-,, (2 O<P -D G B>,D@ BG? J@ E + B@
A-,D@ C@D@2 C +@2 DE@C D@ , C@ C)+ A@ @ ;==N < Y
OK=< @@ A-- > @2 -C @ B ,, D-C C.B+ ,@ @ AD
U J@ +B@C B AD@ 2 D->.E+@ G@ A@>@C D@,@2 ;=PN & 0
08!B ,@ !- (OOL 5-C+C@ ,G ? - ->ADGC,G @U@
? G A@ GC B J@ B .C@,+ @UA@ 4P=Q?.@ & $
$) -+BGA.@ J@+B +B@??2 E>+ + +B@ E@C J , >C@
H H +B@G - >J + ;PQQ 0 < 1$, > 1 0 4
8;LKM(+ - @D ? JC , -C , +@C2 A 3 G2 +- J@

+B@ C- +@
&C A+@C2

J@D > ;P<M +C & ' =;9;7 + ;LN2
+-B@ C@ > B -CD J@ B ? 4MNN &' 0S 2 B
D-@ A-+2 B@A ? G B@ C+ B +B J+@ +B -CC- %-?@ A
+B@ C@C@ CD - ' -AI>@CD -@ 4M<L :LM ,0 e <L
8;M<<(;=) %->C .@ A A ,, EC@D 3 A2 B +B@ C2 AD
J@ A-+ +B@ #J A -A -OC>+ ,+G ;Q;N 8 6 !0 &
!!$;= / @ 2 & +C U B D E@@A + B-?@2 B->,D B @
J@D +B -C B @ + >.B+ B ?+-D@AG ?@ ,?- +
@,, 3C ,C@G J-C+@C ;QK= %- C $ $. ;KP
7B ,@ @ C@+C @ +B ?@?CG J@>A+A. AD2 B@
D A.@C B @ J@D ;KPN <) L=P
&C G -C B ?+B +B@ J@+B@D-- ? - @ ;KQK 8 7
$ $ $0 QP 1@ ? ->A+ 7 B@C@ D ?E+- J@?G @,,-

/ B@ @CE +@? - >C A -E*@ + @ -?EA Y

+-A 2 - J@. ,,- 2-A@ B- B @ J@D +B@

. ,,- +B->.B D@ @C A. + - › ,$* 3 "1) - H

J@ @C?-A2 A @S > @ -C A-+ JC@ BA.

@C?-A , - : C : 3

;Q<< 9 7 0 8;K<L(4 2 ;P= B@ J@
. ,,- @ - +B@ , C.@ +@ SK ?! ,.2 0 $ 0 4 PON
B@ 7B. A- >JJ-C+ , +B@ J@ .C @ 2 AD -?@Y
+?@ J@. ,,- @ ;MP=< < C! $ 0 & S,
;MQ B G2 ;E@, @ @ +B + 3C2%>C +@ A-+ JC- D@D2
AD +B + @A->.B + AG + ?@2 -C J@ !@C? -A SM-
5 7 $ 0= ! J@ E-CA@) /-. ,@@ B@ 2 AD
> B ,U@E . .@

! J@ 8U) J(2 Xb0 & &!& "0 ^0 U -C? + -A

C-?! & 3 a 0 # A @ J@?@A+ -C -A@

- + J C+ - J@C -C? + >A + -A 8 A @C+ A

? AA@C(

;QL<^ @@ 1 Oa ;QM; 8 @@)$(O=E_ L
5 : $!& - 0 ;=; B@ V _@+ T J@
- @C+BC@@+@@+B - +B@ B@@,

! J@ 8U) J(2 0 -A @A+ -A , ? + + -A

- +B@ CG - +B@ A J@ B@A ,> B@D "@A @ > @D

)1 0 A UA ?@ -C+B@ A J@

SKM 2 " : 7 . *& $ 0 F 0+ DJ B@ B ,
C-X@A @D.@ A B B -A@U ,, C@AD! J@ + B-?@ OKQN
3 ? & %0 LO= + CA A. CG - J@2
J@ -A C A. ++C @D ?G A-+ @ 4<NL -0 $00
OP - O L ! @ J@ ! @ J@, >DD@A ..@ ? - ? -++,@D
.C@G $ A. C-? A- B@C@ A. + ?CD , .B+

! J@.- + 8U))J.>>+(m 1 1 3 -C

i <

JJ2 A @A+@D EG AD ,@ 8;PLN(+- @SJC@ B + E@ E@Y
, @ @D + - E@ +B@ , +@C , ?@ A A. - "@E O O ! " -
>CC A. -A,G A @ 2 S K2 ! OM 8 A @C @ N B@ C@AD@C
T B@ .--+@ -A B B +B@ ,-++@ @,, +- J@ (B@ ?@
A+@CJC@+ + -A @SJC@ @D EG +B@ >,) +@ ,$* $)
8 B@A @ +B@ 5C 1& , - $ H AD EG %- @CD ,@ 8;PLP(
C@AD@C A. T +B@ C@ .- +@ 2E> A- C@. CD@D >A+@A E,@
B@ -CD D-@ A-+ JJ@ C A +B@ $@ @D @C -A - ;KK=2
B B B T X X@, 8 JC-J@C A ?@(A +B@ +@S+2 AD T D Y
? A +B@ ? C. A A +@CA + @ C@AD@C A. a

A +B@ ? - C +> , - +B@ / G - + -A@?@A+

8 @ S (2 +B + -A@ - + - . - + +B + B- @A

EG ,-++-E@ @A , @ A+- +B@ ,D@CA@ 2 +B@ A

- +B@ J@-J,@ B A. E@@A G?E-, ,,G, D >J-A

+2 B ,@ +B@ -+B@C JJ-A+@D +-E@ C @D

;PLN) . 0 S K AD C-A + ,-++@ ->@C +B@
+ -++@ -A@ ,-++@ -C +B@ -CD@2 AD A-+B@C -C
.--+@ 8!-4P)Q2 OPL<2 ;PMN 8 @A@ (2 ;PMK2 SMXS (SD.S
$) ;2 #>C ! - > %BC + > @C A. @@?
+- E@ B@C@ 8 A @ S +a >C@D " @ E-+B B@
C @D)+ AD +B@) J@ - +

/ #A@ B- E, ?@D -C J>A B@D -C +B@ A

- -+B@C 8!-5 1&), - $ 0+

;KO= 3 = 1) !!$!@C ;ON= %->A+CG E-G
C@)+ @A+2 +#-2 AD E@ C +B@ C +@ J@.- + 2 8 -C ,
A B + -@ @C C@ , D ? ++@C - >C @ +B@ C D--C2
(2 + B ? X A. C@ . A + - A SK) - & - 0 & D(
=;M "@B E@@A ? D@ +B@ J@.- + -C ? AG- +B@
A E-+B - +B@C AD D> , AD - +B@ B-,@A + -A SKKK
@ & - - 20 SSS ;<L B@ ,@ D@C -
?? AG >AD@C+- -U +- ? U@ ! J@.- + - %-A-,,G] +B@
,@ +C@ J@ +@D AD ? + >AJ-J>, C - +B@ C A>?E@C
$ 10 ;KQQ $ &! + 2) J@ - + ? CY
C ,@] , +B@ A - E-+B B@ B-> @ A ? A@ B@ D ;K<P
:2 = A $! 0 / @ 2 L O2 -C -A@ ? A-+
- A. +-, >A B J@.- + 0 ,, ? A-+ -A. +- G +B
9 -C +B 0 ,, C-A.2 AD +B +2 +B@C@ -C@2 @ D@Y
@C @D,G ,- +B@ @,@ + -A

B@ -C? + -A - +B@ -CD B E@@A ? + +@D
A A-A @ -?EA + -A 8 B @ ,G *- >, C(A B B
+B@A ?@ - -?@ -+B@C A ? , !>E ++>+@D -C@
T. - + 8 +B@ I>-+ (

;QMP " 9 .1 . (& $!&% %& ;# 3 G2 B +
J@ .-- @ -CD , S ;QKL #B)+C $" $
0 KM B@G B @ J@ B-C @2 A ,.-> +-
+B@ J@ .- + - +B@ @ 2 ;KL; B A A0 0 4
OKM -J, @ B?@, A -JC-?A@A+ J- + -A +B E@@
A-+@D -C C J@ C +

! J@.C @ 8U)TJ.C)V(2 0 AD $0 ^ 1

0 N < 10 +B@ @+G?-,-. ,A-+ -A E@ A. T -A@

B- @ J@ +B@ .C @ - -D % +B@ -,D@C

,$* % AD 2$ 3 $, 0 10 ? A -C E-G

- C@ U,@ AD D -CD@C,G B E + A A -CC. E,@

?J # +@A > @D J, G >,,G

SK-J = . < !? $ &L B + J@ .C @ @. A@X
B D A >CC@D +B@ A ,+G - +B@ C-D ;KS< 0 A
&,. $ 8;KL<(O<= 3- + -+B@ C B- +B + , C
J@.C @ , C AU2 +@ ,2 AD , @ , U@ +B@ D@ ,KPL
- & 2 " @ +B@ ? + B C? A.
G->A. J@.C @ A +B@ C?G ;K<Q =) -$0 ,
$ $ S XMK 3@A+ -A - B@C -,D J@.C @ -
+B@C , + B@C>J . A

6 JJ, @D + - @? ,@2 $ 0

;K=Q .U & " > & 2 "@E@2 +B + +@ A.
G->A. J@.C @

O $ B0 B + J@.C @ B C +@C + -
J@.C @

2KLN & ' & CC A+2 C2 +- E AD - @C G->C
J@.C @ C @AD +B@C@ +- U@@J +B@ J@ @ ;KLD 2 0
0 <) " ;K< +@C -C+ - J@.C @ I> A+ A @
+B +B@ ? DD@ + . - -AD-A K) =
;ON B@ J@.C @ G->A. @ C,

! J@, ?&0 $ 0 ^D ? -D , % !!)
8 AD,@G % <&./ D? - , $ $;L T B@
A, ,@2 -C A@ U -C?@D E@+ @@A +B@ C--+ AD -+G,@
D-A + +B@ + ?@ - .@C? A + -A 8 $ 0?& 0 ;KMM(
! J) C2 @,@C2 -E -C? - $, 0
!- J@, C,@2 G2 -E $!
! J@,@ 8 UkbJ,@ (2 $0 ?& 0 ^ $ 1@
i ! ! a / @ + +>+@ - J@
K K L 5 0

! J@,@) ./ $@ K$ $ 0

b i * . -+ +- ! C-? 3 ! $
SK - (0 , "!)% ;M= 3G +@ S@D AD J@Y
,@ 4KKL $ C C & -) ;OOQ B@ J@,@ A@
JC@ D A +BG .B+ C->ID +B@@

K J@,, C2 J \ ,-C2 -E + $,

!@ J@,-C 2 G2 -E -C? - $,

! J@? @A+ 8U) J?@A+(^ JB@+ -C? -
$ " % $ " ;

8! ,=-- : 2 J $&L $ (&,(;#
- J@?@A+2 -C +B@ >@ - ,- U ? U@C ;KOO
! 2 B@G B @ A- ? -C@ C@.>, C +G A +B@? +B A
+ B +B-> J@?@A+ ;K<< $!!$) ,0
;<N O B@ ?@ B A ? EG B B +B@ @ A>?E@C C@
%#>A+) +@ BA ,,G ,,@D J@?@A+

E P*P!'1 '61!(

! J@+BC + & 0 5,0 $, 0 ^ 1 N
1 V J@AD+BC +
+BCG + B- 2 J U@B J@?W2 B- m $/I +%(
QM+ " - @ E@ +2 - !) BCG +@ G->C -U@ ?@,,@+B
?> +G >F >) ,& 0 OML ; "@ .+B@C@D
J- @C - U@D J@*EC + E>CA+ +B@ +- A@ 8@+ a
- . = +C ?&,,$! 0% C$ - $ 0 L! J@
+BC + 2 B- B @ E>+ +B@ J>C @ - JC +@ ? A2 G@+ ,
J@AD , U@ &C A @ SK) b))) % ,, ;; Q; J@
+BC + D B E AD -A B +B@C J,->.B

i ! - JB .@ 1 0 $ 3(^JJ C - *3&
+ - D . . A. i % a 8!@@ I>-+ (
$ $+ 9 - 7 &B) ! " ; = ! >JB .@
+B@ D . . A.2 D@,> A.2 AD JC@J CA. - +B@ ! - ,@ +B
)J D@ -C -+B@C B AD @ +--,@ -C+B@ - A. @++ A.2 J, A+
A.2 AD JC-J . + A. - &, A+ 2 C@@ 2 \ "@A%@ OMKK
A - &) " 2 LLL 2 ? J@,+ ,$* $ 0H

! J, >D@C 8U) ?AD (^D 5 ,$* $

8 - A ?@D EG %B J@,,@2 +B@ A @A+-C2 22!(V
%0 C $ 2*f-E- + i 9" %Y(? A a -CU E@,+
> @D >JJ-C+ A AD CA? A.

K ! < " - $, MP +B CD -,,- E@B AD +B
+B@ JB AD@C ^A C@ @A / @+ 2 +B @CC-A@-> @SJ, A
+^-A + +@C + .B+ > + -C D @C a

! JB@2 C A+ - 6

! JB +@ 8U? -+(^D ? -D ,$*
8& CU A -A % R] %%./ C E . E- + 8 +B
C@ @C@A @ +- +B@ E- + B J@D -C? - +B@ B@,(@@
40 a @JB ,-J-D -+B@ - .@A> ,$* 0
! %- 0 $) !0 < &!(A e < ;MO >CC ,+@2 !
) +@ :@+ a ;KL E !! 10 0 -0 - B@
! >6+@ 2 " ? +@ 2 ! JB +@

! J - 8U@ -(2 -?E2 -C? - C $',)* E- +2
A ? AG @A+ +@C? 8- B B +B@?- + ?J-C+ A+
,E@ ->AD 3 A -CD (! JB- A@ ,
A 2 J@C+ A A. +- +B@ JB- D AD , A@A? 8 A
C@ @A+ / @+ (! JB- ->E-,D A 2 J@C+ A A. +-
+B@ JB- D AD >E- D E-A@ ! J C- @AA@ -C?
$0(J@C+ A A. +- +B@ JB- D AD >A@ -C? E-A@
!@ JB- .? +, +@ <0 1&](+ - ,J, +@ A
+B@ ., B ?E@C - B@ 2 B B EG ? - @?@A+
JC- ?-+@ -A + A+ , - +@C +BC->.B +B@
. , B@A @ ! JE-@CA +B 6 $0(J@C+ A A. +-
JB-.A +B +@ = 0 (;K<; (! JB-
A A C ^ B O La2 +B@ @J +B@+ - ? ,
E-A@ A +B@ CJ> - -?@ A ? , - , !!*0
10 ! J, -+S J@X, A?2 E-A@ A +B@ CJ>
- +B@ ,-+B +C E@2 -CC@ J-AD A. +- +B@ JB- D
AD +B@ +C J@X >?@ >A +@D

A)& > ! -0 % $ 0 8@D K(;QQ d ! JB- %>E- D
C+ >, + -A ! 0 ;QK d ! JB- %>A@-C? C+ >, + -A
4KQN ((-0 ;N= B@ EC A B + ? A,G
+B@ JB- .A +B6@D-@ ;KP= $ #6 A >
0(($ 0 OPO B@ @AD - +B@ JB- ,>A C E-A@
;KQN G(6 & $- - $!$ S OQ< B@ C + C-
-A + - JB- ,>A C AD >A@ -C? ;KP= $ #6
A < &0 0(0 $ 0 O=M B@ T JB- +C J@X >?

B C +@C + -,,B +C E@

! JB- @JB ,> 8U@ - , (C$ 0
^?-D 2 C $ $* E- + i *$, B@ D +@C)G
$, * $) 0] T0 - + B J@D B@ D -AD + -A -
+B@ U>,, 8 > @D EG JC@? +>C@ - + -A - +B@
. ++ , >+>C@ J@C @A+ A. +C A @C @ D@ @,-J?@A+(
A B B +B@ ,@A.+B .C@ +,G @S @@D +B@ EC@ D+B
KM A# &# 0 A $ 0 0 -0 JC O=Q A +B@ @.C-
+B@ ? -C@ ? CU@D @ +>C@ - +C>@ JB- @JB ,> C@
? -+@ C C@,G @@A

$ B0(- -CJ@C+ A A. +- JB- @JB ,> ! - JB-
@J C , 2! J, --@J , G f! 1 6 .B
;KML / 5 (C .0 0;0 50 OLM&C- @ -C O @C

JC-J- @ ' +B@ +@C?' JB- @JB , ' +-' AD +@ +B@ ?@
E- + , U@ B@ DV -C? ' - ($) $! ' :>,G' M;=
! JB- @JB , ? '- >C ' C-?' D@ @ + @ J C @+ , E-A@
-C? + -A' SKKJ $* T ' T & ,0 8@D 'M(2 ! JB- @JB '
,-> ' SKJJ !!) ' " 0 (6 ,2' O=N B@C@ C@ -+B@C
+GJ@ ' ^- ' D -+ a - ',@ ' ?J-C+ A @2 > B' ' +B@ ? >C-+ 2
GJB , + 2 B-C@ 2) JB- @JB , ' ^@+ a ' ;<N;' $)
;O !@J+' =<N O - J J@C -A' D@ -C?@D' B@ D ' - ' , A.'
>E*@ + ' +B@ -A@ A' ' @ - ' -SG @JB ,G' -C C- @JB ,G
AD' +B@ -+B@C - ' JB- @JB ,G

! JB- @C +@' 8 U) @C +(' ^ ' C ' $V& 3 H
E- +' i ' (' B-CA' i ' a' B@ +B CD' @ + -A' - '
+B@ A+@AA ' - ' A' C+BC-J-D

X) Q' ' BL. ' '$ (' (' - 0 'L;=' @S+2 'E @C +@2
+-' +B@ ->+@C J-C+ -A' - ' B B' ' , ++@A@D' J, +@ 'B@C@ ,,@D'
) @' JB- @C +@2 ' C+ >, +@D ' ;K<L' 7') $, $
' LK ' +B A' J, +@2 UA- A' ' +B@ A+@AA) ' ,@ 2 B ,@
+B- @ B- ' ,- @ ,-A.' -CD ' C@ JC ,@.@D' +-' ,, +' +B@
W) B- @C +@)

! JB- D' 8 U @ - D(2 $0 AD' 0 ^ D' ?-D '
,$* & ! (' C ' V$*& (' $Vd5dL3B E- +' ' @@
- / ' % ' 5 ' ,$*P& 0]' ' $:0 !B J@D' , U@ '
E- +' %B @ ,G' '$ 0 AD' N&& 0 ,$* & 1&' >A0
,$* & %& $3(+B@ - ' - ' +B@ B@, S' - ' +B@ @ C'
,$* & ')1 ,! ' +B@ B-C+ JC- @ '- '+B@ ? ,,@> 2
!Q=[' ' 3- -' '$ & - "' 8@D' L(P;' B@ . ?@A+ '
+C@+ B A.' C-?' +B@ "@@BE-A@ +-' +B@ ! JBD D' O-A@ ' XKWK
' ' < ' '$ (LP ' ? ,,2 - ,2 B ,,- 'D@JC@ -A2 +B@
JB- D' -! ' SK) ' $' 0 ! ' ,$! &,0 4 'QO B@ B-,,- '
B B' B->,D' @S +' E@+ @@A' +B@ A+@CA ' ? ,,@-,> ' AD' +B@
JB- D' +>E@C ,@ ' @A+ C@,G' -E, +@C +@D ' ;KK= F I '
V "' (0 ? ' 8@D' O(;;K' 7 B@C@ +B@ , +@C ,' @ +B@C '
, A+' >J CD' C-?' +B@ ,- @C? - +' @A+C ,' J C2, U@' +B@ D@ '
- ' 'E- +' C-?' + 'U@@,2 +B ' ' +B@ JB- D2 -C' C A +@ '
+ ,2 XJ-+' # $C $, ((8@D' =(' OM &@C +-A + ' ? G'
- >C +B' A' ED-A+@A' , +' -C @ @A' JB- D

O ' (m!B-C+' -C' ,$* & '1&' ' B' ?-D ' $3
* & (c] B@ C+ JC-S ? ,' CJ ,'E-A@ A' 3 ?Y
? , 2 -C' +B@ -CC@ J-AD A.'E-A@ A' +B@ --+' !@@
1 8(' '

$ &% '+C' $! $ ' ' $'(* ( ) 0 O=< #A@
A B' A' C-A+' -'+B@ A A@-,> 'G->' @@,'+A@) JC-*@ + -A' -'+B@
JB- D' +B@ *- A+' ' -A@ A B' E@G-AD' +' ' ;KQL' = 3 '
! - (' $ 0 ;P;' ' -A +G' -A' +B@ C D ,' D@ +-' C@ @ @
'JC-? A@A @ - ' +B@ JB- D

+! JB- D ,2 ' 1 0 $ UV ^5-C?@D '
: '' N' " . V 0- + B J@D2 B-,,- @D' ->+
SMKK' 9 ' ,! * ' 7 U ' 8;MKL(;NO B@ C+B' 'A-+'
%>E ,2 A-C' &GC ? D ,2 ! JE-,D ,2 -C' -+B@C @ " -,,- 2
' E>+' -A' @ @CG' D@ J@C @ +,G' C->AD

! J>-C?' 8 7)J)C?($0 ^ ' ' ,$*3) '
1 ' 10 'N' "1 V' " A.' +B@ - ?' - ' ' ' 1 '

F A' C -> ' @A @ (
$>O%' : 8 ' ! - (' (8@D' O('LLK' ! J -C?' C-A'
#C@' ;KPQ '< ' ' (('OO< ,$* L' J@Y
, U@ ' ;<NN O ' / '# '<!& (?& (- 'OLO ,$* 2 -
0 C@ @ ?E, A.' ' J@2 ' +@?' A+A.' ,@ @

! J .@C-> ' 8 U J D.@C (2 $0 ?& 0 ^ ' '
,$*3) ' 1 ' 1 'N' ") V' O@ C A.' ' J@'
B A.' ' + ,U D@ - D' - ',@ @
$ >+' ' ') (!& $' OSL' C S >?2 / AD@,-A'
&@C@AA ,2 J .@C-++ 'B@CE
! J ,,@C2' -E ' -C?' - ' 1B.

i' ! 'J ? . 2' 1 0 ^ ' ! - J +)2 U * a'
B@ + -A' -+' +B@ @CE' 1 'E @ J A.2
%[LQ=' B '?& 0 '&C' ' 8;KMK(;L ' B@G' 7@A@
+B +' @ +B@C' +B@ ,@ @ -C' +B@ ? - A.@ +-' D-A' ,UU@DA@ @2 -C
D @ ' +B@) J A.@ ' +B-6+@ J@GA@2 E@ @,@ >,' ');=PN +C'
- ' ,, &' ' ;;'S ,'P< +'?> +' E@ -2 -C' % ' 'A-'C@?@D@
- ' J) .' C-'+C E>, -A' - '@>@,' ?@A' \ ' -C- @2 E 7' E)+'
:b-> >AC@' X MC ! (C 0 8 7 'D@ 7 ';PL;(ONE2 5@ @
+B@C@ E@ +B +' .-+B@ @,G' EG' +B ' G@2 E>+' +B' .C@ +'
D , >,+G@ AD' B CD' JGA.@

! J,D2 ! J,D&2 -E ' ' 11 ! 1 '
!@ J,@C @2 @CG@2 -CG2' -E ' ' ! &% O+'
! J-, +@ ' 8 U @ J,, +(' ' 0 ^ D' ' .$3
*&! ' 8 / ' ADC D ' ;KNN(2 ' C' V$ &3' C-D' 8 @@
1 ' 10 'a'H!8& ' +-A@ ' @@ " V' #A@ d5 '
.C->J' - ' ? A@C , ' 8 A ,>D A.' D JGC@2 @U@E@C. +@2
? C ,+@2 @+ (- ?J- @D' - ' 6 +@ ' # ' ,>? A >?2
, >?2 AD' -D>?
! - ' ' ' ' 3' - 0 ' KN ! J-, +@ ' VKQ<

6 ' , " '&%' &, . '5 0' /
* 1$$,' @@' ' 100 1 ' ' 1 !' 1 '
* 1$$:' -E 2 -C?' - ' 11. '

i' ! J J @CE- , A .2' $0 1 0 ' " -+B@ D@D
$%>J' ' ' E '!) , "' O ' 'PL' 7 B-' 7 ->,D' +C> +' !> B'
' ! JJ@CE-G, A.'G->A.' DDG EC AD'%-S -?E' ' 7 '
! JJ6 ,@C2' -E ' -C?' - ' 1 . ' 10
+! 'JJ,o2 , ' , - J,@ ' A., X@D'
-C?' - ' 1B.

!!QK') ' (- ';0 L' ! -?@ .C@ +'E-A@ 'E >@A-'
? A @ +'B-,,- A@ 2 ' +B@ ' ! JJ,@E-A@ 2 1 0 OPE -$ X30B
B@ B->,D@C'E, D@ ' -C' J,@ E-A@ ' 1 0' B@ -@' 'G'
C+ ,@ A'G' A+A.' -' +B@ B->,D@C +-' +B@ ! J.@'
D(LL4-' ,=J=- L24/ ' ' 5-C? ' 8= --CJ6 (2'
) Q' - J ,@2 K J J@,2 <) ' JJ,@' !@@ ,)'
(' b 2 (:' ^ JB@+ ' ' ' 0 ,$* (
, $* ! ' +-' DC@ ' + ?E@C a' $' 0 -' C@D> @
+B@ @' - ' 8 'E ,- U' - ' +-A@ ' i ?' ;P+B' ' , -'
- ' + ? E@C(+-' 'J, A@ >C @ +B->+' -CU A.'+B@?'
? - - +B
;==L' &' $, ' A' 7 ,, ' '\ '%, CU $-1 '8SKKM('LKM2
S *' -+@' '!@>@C A+' + E,@' J,@D' +B' J-GA+ ' $ (') 3
9 1 ' E D' = N' " @ E ,,@ DG..@' AD' C@G @ AD'
J,@' +B@ E@ +' +-AG@ 'GA' +B@ ?@ I> CC@G PKQ' 8)'
&' (' ;PLK ;' AD' +B@C@ ' -C'+B 'J>CJ- @ ,C@ D @
J@C @ +, @ E@ 7 3' - ' +B@ ?@ +-A@ @>@A' +B-> AD' --+2 AD

S' +B-> AD' --+' ?-C@ ' J,@D' ; !':'5 ' &' 0
' 'KK B@G' ^? AG' - ' +B@ >JC .B+' ! +-A@ a @C@ J,@D' +'
+B@F> CC @ ' [Q<L o) e B@E) + G'
+-' .@+' ->C' +-A@ C->.B' JJ@,,@D2 A@ C,G' +-' +B@ B J@ '
C@ I> C@D' ;K= ' ! ')' ' (63-!0 ' LON ;' B@
@ +-A@ ' B->,D' E@ C->.B,G' I> C@D' -A' +B@ E@D' AD'
)*- A+ 2 -C' B +' ' ,,@D' A' +B@ -C+B' ' JJ,@D' +-' +B@
-C?' - ' +B@ >C @' ;K=P / & &' <!& (, ! (8@D')@
,$**! '+B@ +@C?' 'A- '> @D' @S ,> @,G' 8-C'A@ C,G' -(?'
C@ @C@A @ +-' +-A@2 E>+' ' -C?@C,G) ' JJ, @D' +-' + ?E@C , -2
AD' ?>' B @' .A, @D' +B@ E CU A.' - ' ' +C@@2 -C2 ?-C@
JC-E E,G2 I> C A.' +' +B' +B@ S@ ' ;K=<I ' ' $Y
&' " ' ' &' ,) ' 'K< B@ E,- U E@ A.'C->.B,G' JJ,@D'
+-' +' B J@ ' ;<N= & # ' ' $ 'C)1! ,' % 'SS '
LLL' " 'EC-+B@C2 A' '&-C+, AD' 8F> CCG2 JJ, A.' 'E,- U- '
+-A@2 JC@ @A+' ' ? ,G', U@A@
"@A @' ! JJ,@D' **!($(! JJ, A.' 1E 10"
+B@ + -A' N ' +B@ ! ' 8 , -' $ 1(' ' A' D ,@ + ,
> @,&' , 0 A' 2 C . ?@A+ ' - ' +-A@ B JJ@D' - ' A'
JJ, A.

++ 9' $1 ,' &!! ' & .' ' 8!>C+@@ (;P'&C-' -C'
J6 GA.', JD>? ' [=QL= A' I! GA@ $) - ') , 20 ,,(
8;K) (;P ' +@?' A' E@ A.@ AD' J@,GA.@ - ' * @,?@ 'D'
Q<L' ' # ' " &' ' 0 e ;NQ B@ +-A@ 'B D' , G'E@@A'
B JJ@D' - ' A 2 B +' ' ,,@D' C->.B' JJ@,,@D' E,- U ' +-'
E@ A' AD' C' C->.B+' +- ' +B@ J C+ >, C J>CJ- @ 2 B@C@
A+@D' ;Z_8' , $% (" - (4 ' ;MO # ' +B@ +- - , ' +'
'D@ C' +B@ ' JJ, A.'B ??@C AD' !O ,,' S@ -C@) @' 0E)
, - ' ! - JJ,@ D+@ ' ($' O ' A' +B@ ?@ @A @
;K=N !'?' ' 0)' , (T%-!( ) 'LN ;' ,,' +B@ C-A+'
+-A@ ' - ' +B@ ->AD + -A' @C@ D' +B' ' ,@ ' - ' +B 'U AD2
' @,,' ' +B@ E U A.'E' I> C@D' +-A@ 2 B B' @C@ JC@Y
->,G' JJ,@ DC@ @D' +' +B@ I> C)

' ! D J> ' 8 U @ J , (' & ' - J>, @ ' ^
,$*)!$(A' , ' +A' -A,G' J ' ,$*)! ' +B@
B >,D@C 2 B->,D@C E, D@ ' % ' 11. 'C a'
' $ (_(B@ B->,D@C E, D@2 E, D@ E-A@2 -C'
- ? - J, +@ 8 A' ? A' AD' -+B@C A ? , (
;PQK'O) ' $'5(9' A' +@?' +-JJ@- '+B@ B->,D@C
E, D@2 E@+ @A@ +B@ &C- @ @ , & - &'(AD' +B@ >JC@?@
J C+' - ' ,$*)!$(;MSP' ' ' &%' 4'SS '8;ML;(
' +B@ +A> ')') ' +B@ !B->,D@C ,) D@ ,7 ' # ?-J, +
OO B@ -+B@C

) j j j j j j j j j j j j j $% 1: C
,) $ ' & &' ' L)N A@A' ?@ J>, ' '?@ A+ +-' -C?' '
!+@ DG' >JJ-C+ -C' +B@ B>?@C> 2 +' A+ .-A +'?> ,@ C@
? D@ +-' +' +B' A'@I>)' -C @2 -C+-' ?-D@C +@ -A@ A-+B@C
+B' +B@ +@ D A@ ' C@I>C@D' [KQM 8' & "' #'
C $, ((84KQK(LM;' ,,' +B +' J C+' - '+B@ E U' - ' +B@ B@ +'
+> +@D' E@,- ' +B@ ,- @C A..@ - '+B@ J>,
+E ' ,$*)!$ '&%' ' ' & $& (HB(,$*)!$ ' '$ '
T , +@C ,'J-C+ -A '> '+B@ AD!@"4 " 0 &,0N 5(+(
X! -' 8(6 ' ' &*&- (,'8;MPL(;;K' B@ ,@. A)'
- +B@ ! J>, ' - ' +B@ - @2 AD' +B + E@ >+G' B B' !M
? A @ +,G' JJ@ A' A'+B@ A. ' - ' +B@ - @
O' ' 0 8!@@ I" -+(
XK M : ' & - &!('LM< ,$*)!$'8+B@ ! J>, (
B@ @ -AD' A+' - ' +B@ OC B>?2 A @C A.' +-' +B@ C-Y
B A+@C A'+B@ ,@.

! JA, ,. '8 U @J , @ D. ('C$ 0 , V
A., X@D & J>, ,.+G "&,0% +T
^?-D 2' 1B. ' C N4Q N2 ."& 'J A a
;KPP 8 C(' (5 2 ,$*)!$ $(C+BC , '- ' +B@
B->,D@C *- A+' ;<N;' ? ((% - 'OL' 5@E ' ?* &- ' O<
"G +@C)' ! J>, , ,

2@$- :1?(' 8 , <@ J)) ,)(2 1 0 5-C? J ' 21$2b#
:1 b 21$;1 ' ' 1$0 .: '# : '!R ' ::1 '
31$$: ' . 21$:1! ' ' 1!:(9 21$ '^ D'
- 0 0 ,$*)!$ '42 ' , ' + ' ,$*)!$ + ' ' ,$*)!$
B->,D@C ' -C+B@ EJA + -A' ' ,&E ' ' T
AD' " ' 5-C +B@ @ C, @C -C? ' A'5>. '8 AD' -C 5'
,$*)!$ ' B@A @ - ?@ - ' +B@ -C? ' E- @(2 @@
* aC Z 10 0<)' @A @ ' ' AD' ' JC-J@C,G' 1'
D + A +' -CD2 >E +' > @ - ' ! 1B. ' 8 (:'
' , , ' 2 ' B-C+ ,- U' - @C A.' +B@ B->,D@C '*'
JC@ C E@D' EG' +B@ $>,@ - ' !+'O@A@D ++-' E@ -CA'
EG' ?-AU ' B@A' @A. .@D' A' ? A> ,' , E->C2 AD'
D-J+@D' EG' @C+ A' C@, . -> ' -CD@C ' ' ' J C+ - '
+B@ C -CD A CG' - +> b@
A', +@C+ ?@ ' - +@A' -A ->AD@D' +B' +B@ - .
^'NN' " - /')! 0 ? ' 8! BC! @C ;KKP(K< "bE '
E A' BG' @ ' ? D' +-' G +@AA@ J>, C@2 B?+ ' ') @B @D'
>.@, A' AD' ,G ,@ @ a' !=KL' $ ' ' !0 LOX S' ! J>, C@'
[=N<C &- *0C$ (8&GA!-A(# *2! J) C' ;PN< ' '
' *' &%' &&! ' 8;KQ=(' LO= " A.@ J' +B@ J,@C' +B@D'
? G' - ,@ AD' C- U@ #C -+B@C B EG+@ - '@ B@C@,G.G-A'
J-A' ' +C@ ,@A@D@D@ -'CC-++GA' +-@U@2 S!=D 7. '+C'
C&!(0 ' 6 ' ;L= B@ %B) -A ' %,-+BGA.'
' B +@ %-+@2 AD' ' , AA@A'C- B@+>AD@C 'E, U@ %-J@2
+B' ! J>,@C +-' ->@C +B@ C E@D' AD' B->,D@C ' S)Q'
'B)'. , 0 & ' & ' 2 A' 7 -CD ' $, '&%' ! - (
$" &' 'OL=' & (7@)'C@I>C@G-> +B@ + ,'&C@E@AD C@'
D-@ >C @ @ C-?' > @ A.'-C' +A.' AGE, %U@ -J@ -C'
! J>,@C - ' %,- +B' E- @ +B@ C' >J,) @ ' ;M<L' " 'q-)

->C @, @ '% J J@@ >AD@C 5@,+ 2 +B' ! J>, C' +-' J>,'
- @C ->C " @ D' AD' 5 @' ;KS=' ! J ' ' '&%' ! ' >' 2
B@ C>,@ +B + E D' +B@@ @ C / ?' @ , AD' -,,@A J6'
6 C@ ' ;<NK' ? $,. B0 $ 0 / @ ' KNK S " 'E AD' @+I'
, ^ J@D'>AD@C B ' B +@ J>, C
- ' A' C+ ,@- 'D@ -+ -A' -?J- @D' - '+ - ' ?
I> C@ ' - ' --,,@A'D-+B2 +@A@D'+- .@+B@C EG' +C A.'
J A.' - @C +B@ B->,D@C 2 -CA' ' E D.@ - '
, ' + -A' +-' +B@ C@, . -> ' -CD@C B B' JC@ @A+' '
4KQN $!"' 2 'P' !@J+' M' B@ -,D', DG' ' -CU A.' '
J>, C -C' ' @ -AD G->+B' B-' B D'. -A@ +-' +B@ C-A+'
4KK=' $ &! ,' 0 8;K<Q(KO; O' B@C@ C@ ->C @ B@C Y
J>, C '^E@ D@ '+B +' - ' ?@ % C?@,+@ a'> @D' A' +B@ %B>C B'+
+B +' - ' +B@ C A +G2 - ' B +@ , A@A' +B' ' C- 2 . @A'EG

+B@ C A + C A '+B@ !@C ,@ J>, C- '+B@ !@ @A' / -,->C '
' +B +-' '+B@ ? ? >, +@ %-A @J+-A . @A'EG'+B@ B@ '
+A@ ' ' +B@ C@D' J>, C - ' +B@ & -A . @A' EG' +B@
A @A+ A' 5 +B@C
$ 10 $ /& - '< &2 ' ' &! ' 'S '8;KQO(OKO
7 -C,D D@ D@ -+ -A' '+B@ C- CG2 AD' J>, C JC G@C
N' #A@ B-' @ C' ' J>, C' 1 0 $ 'd
CSPW-' - $ ' C&, (2 O;;' A' . ! &'>' . 0 ' ==; O
! -?@ E@ +,@C 2 ! -?@ E@ ! J@,@C 2 AD' -?@ %>E >,@C
' / ') 0 ' E AD .@ J A.' - @C' AD' C->AD'
+B@ B->,D@C ' +-' >JJ-C+ -+B@C E AD .@ 2 @+ ' >J-A'
'+B@ ,- @C J C+ ' - '+B@ E-DG' 1 0
o ' 2 % "' ' MS' ! -?@+ ?@ ' E AD .@
JJ, @D' C->AD' +B@ ,- @C) 'J C+ - '+B@ E@,,G2 AD' >JJ-C+@D'
+B@ +B@ ! J>, C' - ' A.>, , @C @' ;QPK ' ' ! ' +C'
$ ' ' 1 0) 0 8;QQ;(;N< %-? JC@ 2 B B' @C@
@ >C@D' EG' JU A' C->AD' +B@ O-DG' AD' +B@ ! J>, C
' - 0 ^ , J+ , -C' ,$*)!$ % $ 'H @@

1B. ' $0 a' AG' @ +B@C B B' .C- ' C-?'
+B@* "!$ ') - $! ' -C' J>, C C@. -A
$>9' ' ? 0N&&!(8;QQM('==N B@ E U2 - @C+'
- +B@ A. 2 AD' J>, C 2 C@ E, U' ;KK=' : " ' <B '
) '$!? 'C "';R;' A' - 'S+B@ J>, C 'B D'E@ -?@
, .B+,G' J ,@C
! ' 0$' !0 8!@@ I>-+ (
4KOK Q & ! 'J' 1 ' & - &!0 ' LQK ,$*)!$ $' 8+B@
! J>, C (' - J @ @ 2 -A@ -A' @ B') D@ +B@ *) (
B B' > @@D'+B@ C) - (AD' "@ E@+ @@A' +B@ ? DY
,@. ' AD' +B@ C &* $(-C A. - U@+' 1 0 ' =<=
B@ ! ->+B' ?@C A' J) @ ' 4<&! $ ' - ,$' (\ (B @
A-+' +B ' JC-*@ + -A' - ' +B@ J>, C

! + A, C' 8 U @ J) 6(2 $0 ^ D' ?-D ' ,$*)Y
' I' 5 ' ,$*)!$' @@ 1B. ' AD' " ' %
!% &+ $ '$0+
; ' # ' -C J@ ? A A.' +-' +B@ J>,
4Q;L' 9 &# o' C " 0 &!(' 8;QOQ(OKM B@ C' - '
+B@ O@,,G' ->A+@CJ- D' +B' +B@ 7@ .B+' - ' +B@ J>, C
& C+2 AD' +B + ' > @ >,' % >> B -A' - ' 5,@ B' E@B AD' ;K=Q <
& ' " ,!(' $ 0 '=LK ;' B@ J>, C C@. -A' ' -?@Y
+ ?@ +B@ @ +' - ' >C>A >, C A , ? ? + -A' ;K')' A)$ '>'
! - 0 ' $ 0 8@D' P('PSQ B@ J>, C C+@C @ ' SKK-'
< B ' P< B@ J>, C -C' B>?@C , C B' '
>,J@AD@D' C-?' +B@ U>,'EG' +B@ J- + +@?J-C ,
/ ' ' 0 JJ, @D' +-' AG' @ +B@C B B' .C- '
>J-A' +B@* "!$ ') - $! 0
SMKK ' ' - &) "' A' OM= O B@ %C U@C2 -C' !@ '
&B@ A+' +B@ J>, C @ +B@C' C@'E, U' ;QMK
? (N&&!0 8[QQM('=LP B@ J>, C @ +B@C E, U' AD'
B +@' ;KQO %J>U 'V "' (- (? ' ' ;M B@ J>, C
@ +B@C' -C' J>, C

' ' (&@C+ A A.' +-' +B@ J>, C A' A @ + '
@@ 1B. ' 10 =
K M9?01\' %0 !&- &!0[!!0" ' * $,)!$' ,$*)!$ $'
8+B@ ! J>, C !J C ,@ (-' J C ,@' -E @C E,@2 -A@ A'
@ B' J>, C2 A' , $'!$) %&! $(K+
! ' A'A ?@' - 'E CD ' J>, C' -C->C' ,$*) '
!$ ' $ '' 4 &) ' ,$*)!$) +' J>, C .Y
+ ,'8 @@ I>-+ (
SKb 7 ' '< ' 0 0? ' 'LLM ! J>, C 7 .Y
+ ' " $' ,$*)!$ 1

!) 6 , >CG' 8 U @ J ++ (2 10 5-C? 'L' @ '
J@,-C 2 =' - J@,CG2 -B J-,-C C)' L' - J!,@C@G2
- J,@C @2 @CG@2 -C8@(G2 - J@, C @2 -CG2
8U J@+ CG(2 U J,-C @2 P2 Q' J@, CGV - JA '
, C @2 U J@,, CG@2 'P ' - J>, CG ' ^ D' ?@D '
,$*)!) - (' C' - ' ,$*)!$ ' 1B. ' \10 8+B@
J ' ,$*)! $ E@ A.' -??-A' +-' +B@ + -' A.'
-? (' % ' 5 ' ,)!$! ' 5. ' ,$*)!$ $ '
B@ -A> >A' -+B@ @AD A.' +B' '3) ' " !
JJ@ C ' A' +B@ 5 ' , $* &" '8:'D@ C, AD 2
;O+B' V(b B@$D@ JJ'+B@ ;=+B' ' -C?', $*&!& "0
B@+ +B ' A-+' '?@C@ C E,'@-C-) ? G
B@ - ?J C@D' +B' ?@D ' $*)! (,$*)!$) - ' #C' C'
* !!$ (B B' @@?' +-' E@ @+G? - - , X A.' ,+@C + -A' - '
,$*)) - '8 ' 'D@C @D' +C-?', $B) B@ D(,

1B. ' 10 0
H$' ,A L')! ' T'? ' ' I ' ! '<;'%>, ?'-A) A+C@
(A @ -A' >?@C@' *AAA@ NM) ' @ ,DA@ @ '\' J>, C A' -C
@-C >? a' CS P J-,-C 'B @A' ? A+@, B ?' B@>@.@- ' ,'5_8
' ' 0 0 OKQ L-' ,'E A@-,V@ +' ' C@C@ A' ' J@
-C' . +2 B ' B-D' DC @ #>@C ' B@A' ';LQ ' ,0 (
$' [V H0=) ' " B5 7 +B J +' B-U@ +' J,@ G'
\' J@,CG'E>+' D@, G2 ,';LN=C0 C ' 'PPN J@ ' B J@A'
8$-,, (' M< B-> ' S + B)' ' U@2 -'?G' .C@+@ B--D2
B +'+B +' + ' ?@A@+B2 ?G' J@, C @ AD' ?G' D@ -J@2 AD'
+B@ UA-++ D@ . CD , ' ;==N !* $1 '&%' $! 'L=;' "@'D- D'
B ' - ,@ '\'D D' -A' B ' U J,-C@2 AD' -' E@ DG@D' V=Q=
!2 ' & ' "'C& &' ' 0 =;N' +@?2 J@,@C@G' +B A'
B)D ' ' ;) P' ' ' ?& "' A' 0 0' ' ,087 C+-A'%,>E(PM
B@'EC ?E,G C@A+' BG' ^+B@ C C a' UGC+G,,' AD' B ! U J@
, CG2 AD' ,'BG '-+B@C @D@ X ' 1 / 1' 1'$- '
PKPK G' L@ +>U +B@ !U J@,, CG@2 + $@ ?G B+ ,@ '?-C@
J,@ AD,G@');MKQ &' (<$ (- 'OOKO B@'%-? ? CG-'
+B@ A I> + -A2 J>+' -A' B ?'+B@ " E +' - '&@A A @2 B 8
' '1@,- ' ! J> CG' +B' '$@D'%C- 2 E@ -C@ AD' E@B AD'
;) P' 7' ' V<N C& #' <) ' &2 ' ' KQ B@G' '
% +) CD A' ?-AU a' -C@ B@+@C-B)' +B' E, U' J>) @ 2
E ' f ' 1B. ' 1(' E
, $%>&' 3 ' $)!=' $-0S+ 'OQQ B@ O D.' +' ^ ' +B '
'%-A C +@CA +Ga') @ ' B B' ' ,, D' +B@ " -,G' ! AJ>, CG2
' ? D@ - ' + -' ' & @ @ - ' -,,@A' ! +> '8@+ *' ;M)'
B 'J0 0 SS 'OOK B@G' 'S C' AD>,. @A @ a' C@ ' -
S@D'+- $- C@ ' AD' ! J+> C @ ' * ' 3 -$+2@G' <!$ (
& ' '4' ' =NQ B@G' ->AD' -A'E ' -CJ @'+B@ J> CG'
-CA'EG'D@ ->+' +B-,
/ ' ' , 0 8) ' I>-+ (1\0 M' 3
;MSP ' ?& "'&%' $' ' ' 8;ML;(PLL' B@' D->E,@
! J> CG2 -C+B@ @ A@ ' - '+B@ B->,D@C E) @' MMK' 7' BB B

!X %' $ 0 C' 'e' ';QK' B@' >JJ@C'%-A @S +G' - 'OC@ +'
AD' 0 U !B->,D@Cb' ! J>, CG
$) 0 * $, ; 1 (
V) ' 2 ((' 2 % "' '=OQ2' JJ, @D' ', C.@'
-?JC@' 2' AD' - @C' ,,' +B@' A JU A' AD' J>, CG' ;KQ<'
2 ' $'0 ,' % (,$*)!$ "('EC- D'E AD .@'
+B'+ -'D J'J @D' - @C' +B@' B->,D@C
#' 2' $, ' E
KP=' # 6 ' A' >' ,0 0(0 $ 0 'OOL' B- @'
^@ +B@C a' B B' ,@' - @C' +B@' B>?@C>' C@' ,,@D' J>'
, C 'H' -C' J>, C @ ' $ >&' 9)' $ 0 0 OM;' #A' +B@'
A@ U2' +B@'E U2' +B@' B->,D@C 2' AD' +B@' J>, C @ 2' +B@'E, U'
B>@' ' B-+' +B' EC-AX@2' .C@@A2' AD' J>CJ,@
! J>, CG') A? ./ $0 'M 2$
K $ 7$,$*)!$ ' ' O ,$*)!$) ($
,$*)!$' ' $, ' * ! .
,$*)!$ "' - $' ! (' 3
$ 1 0 K> $ $,& ' , $*)!$!H
$'$!& ' ' ..' &' 0('('=P'E' B@' UGA.@' ' A'
-J@, CG' ? A+@,2' AD'B ++'- ' ,-+B@' - ' G,>@C
$, ' $<$
;QKP' :' B ' A' 0 & - - ' ' 0 '<O' B@' A>, '
@ >C@-' A'+B@' ->AD' EG' 'E AD .@2' +B' J>, CG' +C J '
R&&7V 8 - B@ " @ C+ ' +> +@D E@+ @@A'
+B@'+ -' B , @' - '+B@' J>, CG' C B
! J>, +@D' 8 U @ J X),) +@D(2' $0 ^' ? -D '
,$*)! 3)') $, ;' 1' * C.'
,$*)!$ ' $ ' ' !
,$ $5+' ,$*)!$!) ' ' !2 '
1 ' ' $
;KM< QL' '$'J ' $!! '? .0 ? ' 'OMN' BC->.B '
->+' +B@' B-,@' - '+B@' ! ->D A' AD' +B@' ,- @C' J C+ ' - ' EG "'
A '+B@' ! J>, +@D' $ @A' ' ->AD', A.' A' J C
! J>,@++@' 8 U @)J ,@+('N&$' , -' - J>,@+'
' ,$*).E ' 8" @ U@,(' @@' 1 ;. ' AD'
a' 8 !@@' I>-+@ (
;KKQ' - 0 " '!0' , '!@C' '4 4 4 ';OL' B@' ? ,,@C'
JJ@AD .@ '+-'+B@' -C ,' G, AD@C' C@' S+@@A' A' A>?E@C2' AD'
C@'UA- A' '+B@' J>,@++@ ' -C'>JJ@C',@ ,U@' JJ@AD .@ '
(K<=') $;' !!) 0' 0' 0@+ 2' ,$*)!' 0' ,$*)! (A'
E -,- .G2' -A@' +B)',@ ,U@' JJ@AD .@ ' - '+B@' ? A>EC>?'
- '%@C+ A' ' & $0
! JA, ? A G') ? +? .$ K 2!
$ ' 'PSO"H 8' - FSL' E 3 '!2' '
' $
;K<;' ? ('C - 0')!0 : ' ;;O' / A + -A'EG' ' B->,D@C'
E, D@2'+@ ,BA ,,G' ,,@D' J>, ? A G' - C' - ? -J, +- -JG
9 '@W
2 = $!!>' ',",!0' 0' $ %&RN.$
! - JA, - ') 9 ? Y./ ' ! D'
' O$,$*)!$(' / 2
$ (=S_Q_' $0(9 8 ' $0(
$ 3 9'
' $0(' !
' 3 'D ' 10(3 '5 $
9 ' $0(' !
' $0 2 ' K $
1 " L/ ' $
9 ' $0(' !
' S $ ' $0(
!
9 3' $0(' !
$ 3 9 ! ' $/ ' ' !
9 $

! J>,- %, >, C' ' A' C+BCDD+ ,'*- A+2' -C?@D' E@+ @@A'
+B@' ->+@C' @S+C@? +G' - '+B@' ,@2' AD' +B@' >JJ@C) @D.@' - '
+B@' C- ? A' JC- @ ' - '+B@' J>, ' ;KP=' # +' A'
,(, 0(0' $ ('+-' B@' J>,- -C - D' C B '
)J6@D - @C' +B@' A+@C -C' +B-C ' ' ?? , C B@ ' ;KQN
G(6 ' A' 6 WE(' '$ 0 3 G'O=O !>J@C -C' E-CD@C2' A+@C -C'
A' ? - +' A ? , 2' +B' J>,- -C - D' A-+ B' K8!M G('
C ' 0 0 KLP' ,+@ S'@A+,@' +B@' @ + -A' B@C@' +> +@D'
J>,-DGA ' ;K=N 7 2 : ' ' 5 (' h $ 0 $ ' 0 8;K=O('
;' = B@') J>,- B>?@C ,' C+ >, + -A' ' A'@A C+EC-
" 0 $,0 50(! J>,- C D , ! J>,- >,A C ! '
JA, - @C+@EC
<*21$) '0 3 B$!6 .' <' 1$!'0 376$!.' 5C J
$ ' 10]
[0 , (' $ ' 'W ?$
PML' 8 ' , (0')'E2 J-A' +B@' - -+@' 7?' +B@' J ,,-C2
D C@ +,G' \' JC .B+' @+' ! J> 2 +B@' B B' ! J> 2 ' +B@'
E-DDG' - '+B@' J ,-C' ;P<K' ' 0 ' 'C' & - $0 ' ;' SS
B@'

J> ' - ' '%-,>?A' A@ C'+B@' J-JEG.@ ' $',G !"
7 $/' $ 0' (& ! ' ' 8;QON(' ON' B@' ,@AD@C' C->AD'
! J' - '+B@' & ,, C' - '+B@' EE@G %B>C B' A' 7 @ +? A +@C2
+ / ' ?& ( )' ! &0*) !*2' 1 (
;QN=' : ' ' 50' , '(2' ,$C (+B@' +C +' ! + ,U' -C
!B +' - ' '&, A+2' + AD A.' >JC .B+' ,U@' ' & ,, C' - C'%-,>?A'
;QM ' A' C ' $' (' K;' B@ @' @AY
-?J ' '+C I>@+C-> ' J>
' - 0 G 1 I / =
KK ' " ' K ' 6' A' C &,('N&&!0' &,0 =ON 5 ' (' ((J>'
-C' B +' ;KKL' = ' ' = (' 0' <P' +'
J- @ @' '? A' +@?' -C' ,$*) ' - ?J- @D' - 'I> +@'D @C@A+'
JC-S ? , ' AD' D + ,' J-C+ -A
i'=' ' (f!□ &0' P' 1 (
S ' Q & ! ' \' !C' ' & '&!0' " ' L)L' E@. A' +B' +B@'
C +'*- A+2' -C' J>
! C') ./ 1 ' 701('] b' 'b J ./
/] ?' /] b/_ / b' 2 /_ J /
_ 'J /) J &' $!(J' / &' ,($? ' $
hR' SJ$ K' $ $ - $. ' ') $ .B ' 1Q

. ' C@ -CD@D' -A,G' A' +B@' @A @ - ' ' ,- 'C@@' A'
+B@' @ 2' 9 !') $ @' <.$ % ' @,2' '
'C- U' A' +B@' @ '8 C- ?' # (2' 2' # @>+' T . 3' + -'
>+' @@' ' R
' C- U2' C . ' 1 (
;L ' 0 & ' ;LP' A' " -C +? ' ! ' !0)))'28;KK;(' =PM'
" @',-U@D' E- +@' ** A@' 'E@' CC@' # ' A' @C?G+ .@' AD,C'
' U@CC@' ;L)'? 1 ' '8$-,, ('<< :V@ ?->A+' - '
@E' ' J C+ @' - ' V@ ?->A+@' - ' !GA G2' E>+' E +' ' B CD@'
+-' -?@') C+-' -C' B)@' C-UU@' AD' '?CC@' ^ ' * &* '
,$*)!$'* - * $](;LKK' 9 . 6' $ $- 0 S ' = ! CC '
EC-U>A' E -C@' 8 >,.' ,&*)! *)*]0 $' ;=NN PN ! 5$' Q
'=KMP' $- B ' \' C-.B' + A@' C-,) ' A C@2 ! >+, ' + -' V@
B J@' @E@ ' @U@CC@' 'B>ADC@+E' ,' ;=PN' - ' $!
ONM 5-C' U@C' ' A-A' @C(V@ + -' +A U@' ' .C >@2' B@' , GD@' B +'
ADGC' 'B-A. A.' UGCC@2' ;PLP' 6 $ 0 ,& 0 8$-,, (
'=SP' A@' + ' +@,' + A) AD' -A' +B@' @' U C2' ' ,, +'
A- '+B@' +@,,' - '/>?E C' +@C' B 'A ?@
/ ' ,- +G2' +@@J' @' - 'C- U' >J-A' ' ?->A+ AY
D@' 'JC@ J @2' ,
;MQL' ' *& 0 $ 0 & .'8!>C+@@ (;<M' !B@' AD': A@' 3 U@Y
' J@ @' - ' @ '$ D,G'E D' +C ,@D' 'B-C @' - '+B@' D' @-'
D- A@' '.C@ +' CC' ;QL;' 2 ' ' C Y3 U 2
#'@C' ,U ' ,@>.B2 ,U' C2' AD' , J' ;QQM' O ' &) ' '
,& 0 <<' L=Q 7 @A ,@G D ,@)' 'E@ >+ >,' AD' @C+,@' ,@ 2
A' ? A@' J C+ ' ,- +B@D' +B' - -D 2 >C? ->A+@D' EG' ,-A.'
C A.@' - ' C 2 B +@' C- U 2' ? - -+B' AD' JC@ J +->' A'
C-A+2' AD' J@C @ +,G' @ @A' +'+B@ C'+-J ' ;KLL =' : ' . . 1'
< &!0 A' ' , " ,!0' &*(8;K=P(' 'QNL O' B@' ? .A @A+'
C A.@' - ' C' B B' E@.) ' +B@' B ,, ' - ' /@CEG B C@' AD'
7 @ +? -C@, AD' ;K=Q ?' 'C ' ')' 8! -A.(2' #'
@@+' AD' C' C-?' ' AD' C' B@' B-CA' - ' ,, ' AD'
A+,G'E,- A.' +' KKK' ' '!IM' ' ;PQ' AD' A' +B@'
@C' D> U' G->' B@ C2' $@ @CE@C +@D' C-?' C' AD' C2'
O-,D'E>.,@ 'E,- A.' J- A+' - ' C
! ' - ' -C' >AU@A' C# U' A' +B@' @ *' ' C- UG'
+C +' +' +B@' E-++-?' - '+B@' @
' ;QSO' (L ' - & ' ' 8;KO=(Q=' 7 @' @C@' A'
? ? A@A+' D A.@C' - ' B J C@ U' -A' +B@' C ' - ' A., AD'
Q<;'' K 2 : ' " & - 0 S' 8;KN<(;NM 3 G' B-C @'
C A' +C .B+' -A' -C' +B@ , ' E- @' +B@' ! C' ;KOL' 7 '
" !0' $!' (M 'E AU' -C' ' C' +C@+ B@' C-?' 9 CU'
B-,?' &- A+' -A' +B@' @ +' D@' ;KKO' : 'O' 0 ' 0 ,$ '
&) 'LO<' B@'E-++-?' ^- '+B@' @ ' C-?' B@A @' D,' +B@' G'
+-' +B@' @D .@' - '+B@' / - . .@C' 0 AU' ' ' CC
! ' B@' C->.B'E>?+ ->+' >D@C' ,@ +' A' ' >CA @:
?' # 9 -QC E
WKPO' ' 0 D' & ' ' - ' ' <!& 0 MO' ,$ (, AU@C '
;) L =' &) - 1! ('<!& 0
9 m' $ 10(' @ C 6 ? @0+@)B@2' CE-A @C->'
C- U' - >CC A.' A' +B@' &@AA A@' $ A.@
;KL;' ' 'C 6 0' A' $' 0 < &!(&,0 8;KLM(' !@C' '
QN' C@ +' C' ,?@ +-A@
! C' 8 U (2' 5-C? ' P Q' CC@2' M' C@2
M Q' U C8C@2' Q' - CC2' =2' M ' - C' ^&C-E' JB@+ '
'#52' ,$ '85' ,$ (A- ' C ++@A' , $ +%' I'
!J 2' &. 2' +' ,$ $(D', +@' OD' , $$' A '
-C' E' -C?@D' A' +B@' B@ , A.' - ' 'E>?' -C' ->AD2'
C' @CSDJ' , +' T B@ C+B ' B@' A.' @A @'B 'JC-E'
E@@A' A0>@A @D' EG' - + -A' +B' ')) *
B@' +C @' - ' ' B@ ,@D' ->AD2' -C@2' -C' E>CA:
* #
) ;LKK' 9 . 6' 0 SS 'OO ' +' 'E,GAD2' ' +' 'EC-U>A2'
+' B +B' ' C' A >,. ' ,$, - H0 =0<!& ' ' P' 0' ,' ;=ON'
LN' +B +' ' ' A-+ E,@' ->,@A@ 'D @,, A.@' +@C' +B@' E@, A.@'
- ' ' ->AD@(' ;PLN' . 7 ' OMP O' ! CC@' - ' ' ->AD@2'
,& ($ 2' ,$, 0 ;PP<' 0 $ 0($! 10 S 2'
' >C@D' ->AD@ 'E@ @+' +B' ? AG' ' U CC@' ;PQM' - . 7'
C$ - * ' * (LNQ' B +' ->AD' A@>@C .C- @+B' + -' ' U CC@2'
B B' 'A-+' J,G@D' +B' J, G +@C ' M-S' ' !! ' !!
<I' I' ' CC@' A-E,G' .- + 2' # C' 'A-E,@' C@2' ' .--D', >C @'
- ' B-A-C' ;MLL' ' - ' * ! (0) 0' ML' B@'
7 CC -C' B+' D@@C@' U CC@' 'A-' ?-C@' C@ ->AD 2' 0 >+' @@? ' + -'
G@@,D' %BC +B' +B' +B@' .C@ +@C' ->AD ' ;MPK' '5-S') O'
) 0 <<' U' KQ' +' +B@' BC- +' > > ,G' B JJ@A' .C- ' A '
;) O' 9 ' &) ' ' ' + 'QL' " @' JC@ @A+,G' +C J+' B ?Y
@, ' - 'E ' B C+2' AD' B@ @D' +B@' / - + -C2' ' B-' E-+B' @@'
AD' @,+' +B@ C' C ^;MQM' +B@' % +C @ a' AD' C@J, @D' +B@G'
C@' @,,2' $'; QN;' = B) ' 6&) - 0 6) 0 8;QLO(QN' '
.C@ +' C'>J-A'B C?2' B B' B@' +-,D' >' +B@' ? CU'
- ' ' ->AD' ;QKP' B '6&!!" ? $ ' C 2' ' ?' ' -A'
- '3 C 2' B-'B @'E@@A' A' ? AG' C' AD' B- ' ?G' >+'
AD' C' B@C@ @C' ' -?@' SKS-' ' $ "'8 ' 0'
" A U@D' C?' AD' ,@. 2 @ ?@D' - '@C' B@' C' -'
C A+ ' J@A A @'E-C@' $ >/' = 7 &' ' &!"' < &
' O;M' 'G->' B D' @ @C' E@@A' ->AD@D2' +B@C@' ->,D' E@' '
C' ,@ +@EB AD
$ ' %0 U ' B 7' 0' 0 '=LN' ' C-?' +B@' A.' A-'
C' +B@' UG' C@' A
E '% 0' ' >,+' -C E,@? B' C@? A A.' ' ' +C @'
- ' ' -?@' -C?@C' -AD + -A' -C' C@ >,+ A.' C- ?' - ?@
J C+ >, C' > @
;PKL' 7 ' & - - $' - (+S' 84P<N(=N=' @+' A-' JC- - @'
E@' EC->.B+' -C' +2' AD' A@>@C' -' ?> B' . A +' +2 G@+' + U@'
+B@' CC@' - ' > J + -A' + ' , ' ;ML=' 7 ' 8 ' '+C' ?$!0$,>'
0 B@C@' 'A- 'A-' ,-A.@C' ?@ A@' ' + - ' - @C' +B '
U CC@' B B'D B-A->C@+B' +B@' @' - ' ! + +@' $>$+' "
, I , CC' *0 - * $, - ' 'PQ' B@' &C- @' >+ -A' ->'D',@ $
'! C'>J-A'B '.--D' ' ?@' SK- ' $ - 0 $ '
4F B@',@JC->' , ,-> ' A ?G' SKM-' ' &' 0
(& * 7U '8O-BA(' 'L<Q A-+B@C' C' - 'B
@J+ ?' '+-@D +C> +' A' B>? A' C+>@
i' - ' A' JBC @' & 1 ' (&' $2 ' &' ,) ' & $'
,$ (+ -' +C@ +' ' ->AD' ->A+6' +' +C X@ : + -' AD> @'
B@ , A.' , -2) ' 1 (
' = ' &, %, 0 ' $!' 7 U ' ==N ;'&@A >A @ ' J, '
+@C@+B' AD' J + B@+B' J2' AD' ? U@+E' ?> B@' - - CU@' + -' >C@'
+B@' ->AD' AD' EC A.' ' +' - ' CC@' U ' ' & & '
)'SSS S' PQ' B@',@ >@ D "B' >C@' AD' B@ ,@' -,D@' ->AD@ 2'
+, 3 +' C@' B CD@' + -' D- @' -C' DC @' + -' ' ! CC@' ;MO<' K 8('
&!"' $ '0 OKP' O-,D' " @ C+' AD' OC >@' * B +' B +B' ,C@ DG'
>CE@D' B '& -A ' AD' ' >C?@D' +B@? ' + -' ' U CC@

/ ' $0' 0 ' ? CU' -C' +C @' AD + A.' +B@'
J- A+' - ' ++ B? @A+' - ' - ?@' +C> +>C@' +B + B 'E@@A'
C@? - @D: ' ? 0 AD' &', 0 G' L' ' AD' L
' & ! ' $' 0 ?& 0 8;Q<M(2 B@' @S+@CA ,'
? CU' -C' C' - '+B@' >?E , ' B-CD' -A' - ?@' @@D 2 B@C@'
+B@G' DB@C@' + -' +B@' J@C CJ2' ;KLM ' < &' ' 0
S ' e' O ' =QP' ! C' - ,@ @' ? ,' SKMS ! $' 0
?& 0 <Q B@' ->+ D@' - '+B@' +@?' - ' ' 5@CA' ' ? CU@D' +B'
'A>? E@C' - ' C ' ;KQN ' - # ' ' $' (N&&!(S, 2
8;KQP(LLK' B@' - - +' @ @A+ ,,G' '?> >, C' -C. A2 2 +'
C@+C +-C' ?> ,@)' > > ,,G' ,@ A.' D + A +' ? JC@ -A' -C
C' 8+B@' J@D ,' ? JC@ -A '(A' +B@' A+@C -C' - '+B@' B@,,
$ $ 1(' & - 10(' ,$ 31 $ H' ,$ 3 $ (
^ $ ' ' 5 /0 '< (, " & 1 /
' - ?@' J@ @' - ' *) - 0
$';QN' !' " $ ' 8 ' ' ' 2 !>C@2' B@' ' ') C'
E@ C@C' + -' - ?@' C?G' ;Q<O : C '8&' & AD C(*0 &
($,$ ' "'P<' AD',- ' B@' C , D' @+@C A' D-C@' '
- ($) $! '4 4 ' PQM 5->C'->+' - '+B@+ @A+G'
+B' +B@') C@D.@' >J2' +@C' @SB > + A.' +B@' A->C B?@A+'
+-C@D' A' +B@' - +G,@D-A 2' J@C B@D' A' +B@ E' C +@? J+ ' + -' ? U@'
' > @ >,' .C- +B' ;K;L' ' &. 1"' !A' 2' B@C@' C- @
+B@' C @ ? D+' @+@C A) ' J@ C' ;MPQ' 7 ' ' $-'
' ' @@S 'PKK # ' &@JJ@C -C+' -C / ,++ AD@C B@C@'
' 'U AD@' B@C@- ' ,,@D' ! CC@ -C+2 +@C' +B@' C@@U' A' 9
@ +B@C' E@ > @ + ? U@+B' ' ? CU@' A' +B@' B AD - 'B ?' +B' +
B ,'B-,D' + 2 -C' E@ > @' +'+ U@+E' G' ,,' ? AA@C- ' ! CC@'
! C' 8 U ! (2' 10 ' ^&@CB' A' ,+@C@D' -C ?' - '
! 0 " ' 8 ' ' .$ +(+B@' ,- ' - ' +B@' '8 (' ? G'
B @' + U@A' J, @' A' +B@' J, >C , ' ,!&> '8U,@bX(' -C'
,!& (% ' , - ' # ' .& ' 'C a'
+, ' ' C U2' B AU' ' >+2' A -A' 1 (
4L<N 1 & & ' 0 'ON AD' @U' >,- +@' ' ,+@,' ! U C' 6J-A'
'O AU@2' @C' ?@A' E@' C' @+' A' +B@' ! +C@?' ' ,'4=NQ 7'
$ 0 ' ' (P=OQ B@' + -+B@C' ^E- a2' BGD-> @' AD' CG.B+'
E, U2 '5>,' - '? -++G ' AD' - ' U CCG ' B@' +G?E@C ' ' - ' >,'
- ' CCG 2' %4== 'C & - *0 C$ (==O O ! CC@2' -C' EC@UGA.@2'
-C'CG GA.@' %4==N & $ W < <@'V$.('Q;O' 8 C>AD ('
B@' ?G.B+' @@' , .B+' ' +' . A' C@@J@' B>C.B ->+@' +B@'
CC@' ' ;MPL' C ' ' ! ' ;PN 1 -> ? >+ ' U@' G->C'
UA @ ' >+' -C? U@' A' A + -A'MC' > B' ' C' 'G->' ? G' J>+'
+B@' C? A.' C@C' - 'C>'B- -U' A+-' + 2' AD DC ' ->+' +B +'
G@C' -C' C? A.' - 'G->C' & ,.' +' A-+B@C' +' A@@+' + -' B ' + ,
' ' C .? @A+2' 'B CD'' 1 (@S ' $!(8 @@
/ / 2' ' ,$ +(
$%O ' 'C !(' $' 0 4 4 'L;; ' .-+' , -' -?@'
! C' - 'EC-U@A' 6CA 22' B B' C@' - '+B@' A@ + E,@ ' %, G' '
B @' @@A
! C' 8 U (2' 1(' !@@' , - ' 1((
$ (0' ,$) (W G B ! & ,$% % (
4@=K +C' & $, ($ (' 8@D' L(;;Q' B- @' B- ' .-C.@'
AD' ,-G' +B@? @, @ ' EG' - @CC@ + A.2' A' C@, B' A@ +B@C'
#G +@C 2 ! C2' A-2' A-C +B@ . - ' + @, ' ;KOK LO 9
,$ (B' - '+B@' EC> ' U,AD)' ;KKL' ' 5 1(
$ $!(LKN [AC E C' B ' , C.@' ? J-C+' +C D@' - ' DCG' AD'
' B2 JC A J ,,G' B CU' AD' C B
D(0' 8 U C(2' ! C AD< 8Q) 8 @@ I O2 / (' , -
P M' U C2' M' U@C2' K <' >C2' ^ ' # ' . $ '
8 -C ' .B +(B@A @' $' + -' V
' !BG2') C ,D ' C>J>,->
]) ' 0 C$*" ' &' ;OM B +' D G@' @J+>A> '
E D' BG?2' ,GU@' -A@' U@C')SMZ ' 'C& - ' 'O;;'
F>B ,U ' C A- ' U C' + - 'E C' -A' C' C 'E CD ' S ?' $ (
C& - ' %& (S, ' S' B@' +B@C' G, ' '+B-@A+' *@' @'
U C2' 3 @' +B AU' +B +' A- 'W@' >?' -> C' A Cg' ;QKP' B
0 &' !' 2 A" +B' ' +B->' ' A@ +B@C' + .' A-C' , ?@'
-C'E, +@' A-C' % >C
E ' #' ' B-C @ ' !BG2' @ ,G' C@D2' C@ + @' # '
B@@J' ' 7 ,D ' ^! -' # ' $
;<NK 9 &') $' $ ' - ' 'LPQ' B@' JJ, '
A->.B+' U@+ B2' A ' +' U@C2' A ' JJ 'A->.B+' -A' GD' ;MQ<'
: # ' &' '8;QP<('P< B@' B-C @' E@ A.' C2'
B@' + @' +BC@ 'B ?' - ' AD' WNE@' EC-U@' E ' A@ U' ;QS=' A'
!B CC@ ' ,(!$(8;K;=(JJ' S B +' > B' ' B D'
C' B@@J' ? .B+' E@' JJ- A+ ' + -' + ?@' +B@?
+O ' ' ,G' JC- -U@D' ^% ' - C ' .B ' ' ' $ '
8 @A(A' +B@' ?@' @A @ a' 1 ($ (
%!=MN &2 ' ! ' " 0 SS 'LN;' 1@' C'E-+' + -' U C2 . --D' C'
E +@
! C' 8 U (2' T ^ '
' $' 0 - ' ? CU' +B' ' C' + -' D .>C@' EC@'
A , + A.' ' ->AD
S) ' 7 ' ,$ ' CE (;M=' @C+ GA@' @,,' ,@ CA@D'
JE, G+ -A' - ' % >6@2' CC@D' +B' ,G.B+AGA.@' A' +B@'
AG.B,@' @ -A' SM) ' # ' ' ' =1@+' , @' A-+' B@D'
B@C' E,- -D' -C' CC@' +B +' B +@C' U A- 'B@C' +B@A' !A- '
' ' ! ' & % ' <0' '),,$>' - 0 8;QLK(LO' # A@' - '
+B@' 0 ,, ' @A+' +BC- ?G' " C2' AD' +B@' +B@C' CC'D' +B@'
D@' - 'C G' @ U' ;QPQ' & ' 1 - 0' (0 7U
4 ' OMO A' +B@' ?@' D@ .A' - ' E CE C-> ' -CA ?@A+ 2' +B@ C'
\ @' @C@' .@A@C ,,G' J A+@D' AD' CC@D' ;KL= &&!
C0' - * ! 'S, 2' ! B@' ' CC@D' +B' +B@' ? , J-S' 5 T'
' ' $ - ' ' 'O;< B@' -,D' ? J,@' C@' @ @A' A- '
CC@D' +B' +B@' C>D@' >+' 'G->' . @' +B@?' SKK 'C) ' , '
L!@J+ SOO S' '? 2' CC@D' +B'EC ?E,@' C-?' B@ D' + -' -+2
E ' $' %(
;M<Q 9 &! ' 0 < & ('S--'O>+' +B@' ! - ,'E@'E CC@A2
-A,G' C' B@' !>C @2' AD' E>+' , B+,G' JC A+' +B@' !B C@'
;KPN' & 2 ' ?) ; ->,D' +B +
B- +,@' ,@@+'E D' CC@D' -CE G' ;KQ; ' # 'C!$" 0
) 0' 4' 8;K<=(O=;' +' ' CC@D' AD' . B@D' EC- ?@' + -' ' B
' >,, @ ' -' +B@' / -,- ? +@' ? >-A+ A ' ;<NK) !&&.' ;N# +'
=MN O' />CB ?'B 'E@@A' CC@D' AD'E, U@A@D' EG' ?-D@C'
AD> +C
, &(% (
' (' >' (K;' %B + + @' E@ A.' -A @ CC@D'
'A@>@C ,>@D
' / ' 1' $' (+B') *0 - 'B@ ,2 - @C' +B' ' C2'
E ' ' (+B' & 0 - ' B@ , ' + -' E@ - ?@' - @C@D'
+B' ' C' ' .A' - 'B@ , A.
(.O'3 " C' & 1 ' 2 0 $- ! ' $ 0 #99 B '
' +,-. @' +B@' A+ J-,-.@C' ' ->,D' ,>@EG' ' .>C@' A'%C ?

- $,,@D) - , - . ,@2 AD ->,D C @ J +B@ ->AD EG
A ? JC-JC+@+ @ - J@@ B ;KKK Q I - 0 & - $ 2(
S PQQ 7 ->AD B B @C@ *> + E@. AA A. +- C
- @C @C@C@-J@A@D EG +B@ C - ;K;O
! - C2 -E -C? - 10 AD 0(!
! C E 8 U @ C E(, - M - C EE8@2 M Q
C E@2 Q CC E2 >EE ^ D 5 ,$ $1 (
8 f &C ,$ $ $ (!J ,$ 1$B&(&.
,$ $1 &(,$ $ (, - D ? ,$ $! &(+
,$ $1 &($ %L ,$ $%$ &+ $ (,$ $1) ("
_B % C VP*$%& (D ? V$*$% &"(, - V *$% (
B-?@D E@@+,@2 + . E@@+,@2 , - @ C G B a
A @ C,G > @2 E@@+,@ - AG U AD 8 B @ ,G C@Y
@CC@D +- >JJ- @D +- E@ EC@D A AD +- @@D
>J-A D>A.(- $ @S JJ, @D +- +B@
C E @ D E@@+,@2),) $, (C@ @C@A @D EG
+B@ A @A+ .GJ+ A 8 @A @ O(
! < , 0 1) 8 CE (;< B@ ,$ $1 , @ -A@C
? AG @@+@ ,- @C) AD , .B+@ A - B CD SMX
= C! $ 0 C ,(> 8;MLL(;P B-,,- % A@ A
B B B@ ? GJ>+ +B@? ^3 ..-+ 2@+ *2 AD ! CC E SMKS
A C !0 &!! , 0 4 ,, P= , C.@ ! C E@2 ->AD ? -A.
--D EC->.B+ C-? +B@ AD @ ;QQM 9 ! & - ,
& ?$ & ' L JC 2 B +-? B +> @D +B
C -> A @ + 2 > B ? ,, C E 2 J D@C 2 AD DC .-A
, @ ;) P 8 7 <!& L= A C) .,- G AD E 7 U
C E 4<N= B) 7 B "* 0 && - ? E0
) 0 5N D@ @ @D U A. D +- B @ @A+@C@D +B@ E@ +
- +B@ ! >A A +B@ -C? - B@ C E
$ 10 S) &) & $ 0 $ C& - 0.C&!
< -+ A U@ A+- +B@ ! C E , @ 2 B B @A+@C A+- +B@
C--+@ AD -@>@C +-> B +B@ C AD@
+ E $' %0 AD % (@ J2 +@C? - E> @
-C ? A 10
, SM-- 0 %)1 & ( ) A O>,,@A ! C 0 8;KK=(4
;<P O>+ E@ >CD ? A- C EE -C +C@,, EC@ , \ +
SM-S O # !# C& $ 2 B@G C@ +B@ ?-+B 2 AD
C E@ - + +@2 SDS-] !, (2 $,01->? .B+ + ,U@
- +, @C2 C U ,+ 10 -2 G-> C E@2 ',, +B>AD@C G->2 A
J@@ @ ;MQM B 6 $ $ - ,.! 8;MQQ(S 3 > +
3 A - B-A->C ? + G->C ,@ >C@2 G-> O - . 2 AD ? E
A@ @ CG D @C -A2 +BC->.B D @ A@., .@A @ - > B ! C E2
/ E D0 .@?8- CA@, A2 @?@C ,D2 -E 3 A2
@+ (>+ A +B@ -C? - E@@+,@ = ,$ $) +
B A. -A +B@ , + >AD@C) D@ D@ .A A A+ ., -
! C E @C@ -CA @ +B@C) A@+ C A. -C ++ B@D -A
B A B>A. C->AD +B@ A@ U2) @ G @C@ -??-A ? -)
+B@ .GJ+ A 2 +C> A 2 AD +B@ J@-J,@ - 7 @ +@CA
;KQK ! = B A ', " ,!0 ? 0 M=N O O>+
@S @J+ A. +B@ -C? +B@C@ A.>, C,G , ++,@ A -??-A E@
+ @@A +B@ C E - +C>C AD - .GJ+2 S) --
' Q 5C-? C E ->AD A +B +-?E + JC-E 6G
- +B@ 4 ,,+B / GA +G
! C E @ A 8 U @C!EC A(2) $ 0 , - -C
E@ A ^ I B N " V # 2 J@C+ A . +-2
-C B C +@C + - 2 C EC@A -C C E
SM) $ ") ' - 0 &! $) S e ; NOQ
+B@ ! C E@ A 5,@ 2 -C 7 . + ,@2 +B + U J C-? J,) +-
J, @ ;KLQ $ 4 =N= #A +B@ -JJ- +@ @ @
! +B@ ?@ E- + AD .,-E@2 +B->+ +B@ C E @ A G?E-,
4KMQ 5 - F;KKN(OL; 5-,D A. >J + A.
^ +a C@ >?@ + C E@ A JJ@ C A @
! ++C E @ D 8 U @C E DD(2 4 0 AD 1(' (
?) 8 @ B ;K;Q(2 2
@@ I B AD ") V # -C
J@C+ A A. +- +B@ ,$ $1 $ 3 , C.@ ? ,G -
, ?@, " -? E@@+,@ 2 A ,>D A. @- U B \ 2 + .
E@@+,@ 2 D>A. E@@+,@ 2 @+ V C E DD E@@+,@
! - K- C E D A2 E@@+,@ - +B@ \ ? ,G ,$ $
(!- C Eb D- D 2 C@ @?E, A. C Y
E @ D > @D EG % $,@G +- D@A-+@ D @ +B CD
+ .@ A +B@ , C , D@ @,-J?@A+ - BGJ@C?) ?A-C
JB E@@+,@ 2 -6 E@@6@ +(! - C
EK D# " ! [!# $ 0 0 /
;K=O) 0 0(@+ 2 ,$ $ $' 0 ;KK= , ' ,
4 5@E 4OQ O B@ -CD A CG B C - C E @ D-> E@@+,@
4K<; ') " 0(,$ $1 $(AD 10]0 ;K<K)
5 31. 0 ' & - &!0 M<O B $,@G D@A-? A +@ +B@ C
E @ D- D + .@ - +B@ @ -AD , C
! C EKK + , - - C E@8@(+ ^ ! 0
O # ! ;! a #A@ CB- +>D @ +B@ ,$ $1 0
!@@ I>-+ ;KQO A D,> U? +- +B J .@ +B@ ?CD
-?@+ ?@ > @D D@C @,G -C A CC- J@ >D +
;KQL # 7 ' . C& 0 0 2 >JJ- @ G-> C@
A @A+- ? -,-. + -+ I> +@ - ?E + -> +B +2 C
? - +@A J-U@A - %-,@-J+@C +2 :(>+ B @A-C .,)
+- - -?JC@B@A @ A ?@ % ,, ?@ ! C E), + G->
,, ;KKL . ') - O= 3 C LKN S -A,G + A -AY
A @ +B@ C E + +B + +B@C@ C@ C@ , ? -AD@C AD
- A+@C@ + E@G-AD +B@ , ? + - B - A D-? A
! C E - D 8 U< C EO - D(2 D)) ^ !- 0
O / ! i / / a $ B0 ' 0 f ,$ $ - &
8%@A+ / @+ (2 E ' D0 $@ @?E, A. C E
SK+@ ') - ;; 3 G MNO L D,@ + -A - @ C,G # @@U
C 3 0 - D .@A+
0 10 ' 0) ! 0 0 / 10 8;K<P) '
$' 0 0>+(E ' D0 8 !@@ I>-+ ;KKQ (
;KKQ 2 (O ' 6 ' +C $ C "* 0 ,. &!0
O=O #+B@C ^CC C E @ (. >A E>+ .>DG C@ ,, +B@
-C? - +B@ A @ +2 AD C@) ,@D @? E @-? SKKK
') - ;M >A@ QMP S B@ -,,@ + -A - & @A+) C E
AD C E @- D - E CD) -A@ , C.@ AD >C ->
<*21 1 11) 03 1$. : 21 1 %!
8 ECD (, - M2 Q < E@> ^ @@ V
' 0 E@@+,@ - .@A> ,$ $1) (-C?@C,G
@CG , C.@ .@A> -CC@ J-AD A. +- -?@ @S+@A+
+B +B@ ?-D@? ? ,G $ $1 : A- A #,D

7 -C,D .@A> 8 AA @> ;QMQ(- , ?@,, -CA E@@+,@
+GJ , - +B@ ,$ $1- 8 @@) D !-?@Y
+ ?@ > @D ,-- @,GG) 10
^;=) PN +C ' 8$-,, (ONN !-??@ +BGA.@ .-@ A
+- -+B@C UGAD@ EG -CC>J -A2 E@@ - C-+@A , @ 2 AD
@C?GA ,,@D@ C E@ 8 ,$ $1] - -CC>J+ B-C @ a
';MM= 8 $ $!0 $ 8;MMP(L< .C@ + ! C E@>
- +B@ ? X-A 1 0 =; , ++,@ EC- A ! C E@> - +
AD ;Q=; 5 8 0 $ 0 ;;O - .A G
+B@ !>A2 +B@G -?@+ ?@ J A+@D " U2 -?@+ ?@
! C E @> +B C->AD O ,, A + %, ;KQM $ '
? ' " ' ' (C$ $;MQ B@ , C - +B@ , C.@
C E @> =A ", ' $,& - +(B B ->AD A + A
' D0 @ #(
' $ > $ $!0 - * (< - 7 $@ @C @ - ! C Y
E@> SKM- % 7 V - & ' D) < - ;OL B ? AA@C -
? ->A+ A. +B@ C E@> - +@A > @D EG +B@ .GJ+ A
1 0(!-?@ @ C,G +C> A C E@ S! <) 5 1(
<$!! ? 0) 0 P= . +@ C E O6 A C E@D A
&B-@A A +B +B@ A ?@ 1@ B @
! C E@ A2 C A+ - $0
D(0(3-- 8 U @ E ($, 0 , - 8< C E@-(2
* 0 M Q C E @ ^ 5 ,$ $1 @@ !V
T $
4P<4 : 0 & ! $' 2 B@ U A.,G O CD2
+B + E@ C@ :- @ +E>AD@C ,) #A@ D G D D -CA@ +B@
?J,@ ! C E@@ ;P<< $ - L; A+- ?G
J + B A- -??-A >D.@?@A+ , @ 2 -CA@ $ @ C+B,,@D>A.
EC@D C E @ 4MMP ' 2 0 E ' " -C @
.@A@C +@ 7 J AD ! C D3@ (1 *)
;PQ B@ E@ + " ,->D +C> ?J@+ , U@ +B@ C E@@
10 ;MLN = 2 ' 55(++,@ A ? , -
+B@ C E@@ 6C E@2 D@A- ?A +@D @@ , 2
3 $' %0 ' % 0 G E
;MSP 6 $**$ & 8;KQK(S- @+ ?@@ A JJ@
? G -CC- @) +B + ?G EC@ + 3 G - D > B ! C E@@ 2 +B +
@ +- +) A @ B , @C ;MQQ O ' C$, 8 0 &
' + $ 1) " ;R !-?@ @ ! C E@@ - +B@ ,)
*21 1 ? A+ - B
" C E - D 8 U)@A E- D(2 10 AD $0
Z -? % *VC V$*$\8g 1 % , - V& $ B , U@
)$*$ & 8 @@ D V 10
' D0 j) ; E
;KQ< ! = 8 A ' ," ,!0 ? 0 [0 ;LQ S 5- >C J-C @
, A @ E- D C-? % ? C> ;KKM<) 5 10 <$!!
? 0) 0 P= : J@C C E- D ^ +B_ &B-@A A A C JY
+ -A 1 0 ;<N B@ C@@U B D A- ->C) ,A.@C C+A.
+B E@@+,@ -A +B@ E U - +B@? B@G JC@ @CC@D +B@
C E- D2 +B + J, A2 ? --+B E U2 -C .@? +B + @C@
+- E@ bA ? C A)
C E @ D SK.S A ') " 0
O $ B($@ @?E+) C E -C C E- D
XKKK (= 8 ? 0) 0 $ $ 0 0< - A+C-D
;Q @? - +B@ 6C>@ @ E- D -C?
!@ C ? -@E@2 -E !9 0 3 D "
D(0(1 7ED6 8 U @+ ? >+*(2 10 5-C? -
Q - C ?> X 2 - C ?->) 2 -> B 8-2 --@B) 2
- B@2 -) ?A-- -2 > -@2 > , 8-2 > B 2
- CC ?> @ -2 Q K @ C ?-> B * Q -B C
?->-B2 Q C ?-> B I D ,$ $-),, $
8 @@ @A @ (A ?@ > @ - ,$ $-),, $
0 2 4 A ,,> -A +- +B@ B) +@C 12 +B@
J) -A .@ B@) -C H E+) A- ,-A@ >C @ 2
-?@ +BC->.B) @ 5 ,$ $-$), 8 3 -,,@C@(+B@
$ -C? C) C@ @A+ -CC>J+,G +B@ + , -C . A ,_
F JC-J@C A ?@2 +B J + , ! (+- U
B C +@C A + , A) @2 - >D,G AD --, D
E- +@C - B - A JC- @ 2 B- -A + A+,G
E@ A. > H@,,@D EG " C,@I> A
B@ B C +@C A+@AD@D +A C DUC>,@ - +B@ !J A B D-A2
AD DC@ @D ? !J A B - +>?@2 > > ,,G E, U +B@
- +>?@) - +@ D)+@D A ? I>@C D@
B@ ,@ @C ?J@C -A + -A - +B@ J) EG E@C - 5 >C@,, 2
B- EC? .B+B -?J AG - + , A JE G@C +- , --D-A A
;MQL2 C@AD@C@D +B@ -CD @CG J-J>, C A A) AD D>C A. +B@
, + I> C+@C - +B@ ;Q+B
> MM : 1 +C ! $) 0 - 10 LKN !> B
D +-C+@D %->A+@A A @ AD &- +>C@ C ! C ?>XX B ?Y
@, ->,D E@ ?> B +C->E,@D +- ? + +@ 5 (
< ' $' , ' 3 $;;; D DD@ .- +- +B@ + , A
D@?G + & C +BC @ @) +- ,@ CA +- m , G D@ 5-@, -
! .A -C ! ?C ?-> B) 4MQL ' * !0 & E ' 0 5& ' 0
!+->+ ! C ?-> B +B $> B A @ C-D@ A AD C A
,+ + %@A >C@ C,@I?A S @_ = 1 ($ $!!
$' *0 > MN B@C@ @C@ A- ,@ +B A S ! C ?> -
+-.@+B@C) A +B@ !+ .@ ;MQM ' 6 (( )& & KK
A+) - ! C ?-A B ^ a AD %,- A 1 0 A+@C
! C 5-C? , A ! C ?->@E ' B E + U (:<& ' '
&) ' ;L 7 B@C@ 5@ +B@ :@ +@C 2 +B@ O> --A) +B@ ! CC
?> -@ 7 ,, A-+ +B@ @ ? D ?-C@ J,@) A. @A+@C+ AY
?@A+
% 0 `%" ' 3 6 =B E + ! C ?-> B 1 0(B@
&@C -A ?@ ! C ?-> B2 &B ,- -JB@C " C,@I> A
;MQK ' V ' V* 0 8;MKN(S- O>+ J@ U A-
+ , A2 @ EC-U@A C J B B J U D C-? ! C ?-> B
AD " ?C @I>C- + & C ;Q=< " 9 .1 . 0 & $' '
L 3 G2 +C--J - B C,@I> A AD C ?-> B@ 4QQ4
' B.. 0 $ ' & ' 8;Q<Q(;=L 3C C A ,,@
A>A2 ? G D B@JB@CD@ 2 -CD ! C ?-> B 8 + +B@
3 I>@C D@a ;K) 7 Q 3 7 &) C $ S S2 U@
m,- +>C@ ? +@C -C C ?-> B $[C > ;KQM B K
' " 50 LSP !B@ ,@A+ + B A. +B@ B C, A.
- +B@ J @CC-+ C ?->D @ AD D-? A-@ 2
E J>JJ@+ C@JC@ @A+ A. ! C ?-> B
;K;M : 0 C$ 8@D P(<K " @ . @ ?-+ -A +-
? ,, --D@A C ?-> B +BS6 D A @D @,, A +>A@ S!S<
! C) - $' % =<O B@ E--+B B +@A A. +B@
,, .@ .C@@A2 7 B@C@ &>A B AD ! C ?-> B ,- + C@ @@A
4KP; P4 = 6 & ' 0 $10 PO B B@C@ +B@ ! C Y
?-> B +B + D A @ +B->+ E@ D

/ $' %0 AD % 0 A , +@C > @ - +@A @?J,-G@D
,-- @,G +@C? - -A+@?J+ C ,2 ?J
d) 5 9 B 6 $ $ - ,.! 0 0 8;MQQ(A &10 " -G
! C ?-> B`2 $ ,2 &-,+C-A2 &-J A* G ` ?>W+ 3 A -
B-A->C + G->C ,@ >C@2 $;MKL .) - 0 8;MK=(;;L
7 +B->+ D->E+ B@ D@ .A'D -C +E@ ! C ?> B - -
3 AU AD
;M<= .. , !!0(%) !! ' " + ? U@
+B@ B@ J AD C D >,-> 2 +B@ !-,@?A + @ - :> + @
J @ @ - & .@ A+CG2 +B@ O@A B @ $@ @C@AD &-JJ@+)
-C ! B C ?-> B@ A ! C,@+ ;Q;M A 7 7 7 ,U A C& 0
?$!!$ 8 KMN(;QP B@ C ?-> B@ @ @CG B@C@ 7 +B
-J@A +BC- + E ,'D ->+ ;KO= 7 Q 3 7 ($ 0 ;=;
" @ -C@ A- C ?-> B - A + , A C-EE@C ->,D D C@
+- ?@DD,@ +B A A., B? A ;KMP =) & $
! - ' S #A @ A D,@ G->A. C ?-> B
$ 10
;KQN . & $ 2 B@ ! , A +B B C Y
?-> B +C U .-+ -A @CG @,, +B +B@ .@A+,@ AD J-, B@D
> A) ;<NM '$ % ' ' ;N 3 C O<= L CC@ J-A E,@
9 ++G , @D ?@CC ,G +BC->.B->+ B@C C ?-> B B ,DB--D
AD , C+ A. . C,B--D
" @A @ ! - +'C ?->-, 0) 0% +- + +B@ J C+ -
C ?-> B2 -C +- E@B @ , U@) C ?-> B
;KL= 6) $!" ;;< B@ C EE,@ @C@ . +B@C@D A
UA-+ C->AD +B@ +C-,,@C AD ?->A+@E AU 2 A. A. AD
C ?-> B A. A +B@ ? DD,@ - +B@ I> C@ =
.) $ & % C&!,$ & 2 ;L= / DA+ B@> @ +- C ?-> B
>J - @C + C *> + +B@ , U@ - +B +2 B@A B@ J>AG
, ++,@ @,,-
! C ?-> B2 -E -C? - B 10
!) E@ @@
! CE A -A.,8 U 3EJC(, -E!-?C 2 !U C
+C C-8 2 ! CEC->.B2 Q !->CE>C.2 ! CC@
E# #6.B B@ A ?@ - +- A -A +B@ - + -
1-CU B) 2 > @D $ 1(
(! CE-C->.B C A.k @CG B-C+ A-+ @2 -C
A- A-+ @ + ,, >CJC @
B@ + +@?@A+ 5>,,@C2 +B + +B@ JBC @ -C . A +@D A A
,,>)-A +- +E@ >CJC @ - ! CE-C->.B EG B-? !+ -CD
A JC , ;PPQ2 D JC- @D EG +B@ @ C, @C @S ?J,@ E@,-
$J&% # ' 8) C & 0 8;PM) I *2 D ,@ @C @DD@2
E D G->8I>-+B (! CEC->.B CAGA. B D 8I>-+B B@(
B@CEG2 U@J+ ?@ B@A $ % 5 = B A !,CGJ@
, 0 - 0 8;QO;(;K< 1->C C @AD B J2 3 C %B C+G 2
E>+ B CD AD C @2 A . A. ?@+B ! C,S C- 7 CA A.
^ X +E@ A-+ @ +B +B@ +- E@ B A.@D @ @A +B 5--+
A--A a 4! K . %0 & !O($ A)$ ' & ' ; 7U ;<NO
=PP B@ 9A .B+ E@+B + ? G E@ + B 8E@++@C +B A
! C,)C- CA A.(+- +B@ -E,@ @A+@,?@A - G->C
%->C+@ 4MNL 1 = 8 0 ;< : A A %?CD @6
& ' B 0 8;K=N) VMM2 C@ @ @D ?@ .@ +B + 6 B
3 *@ +G' m ,@ >C@)+B + B->,D JC@ B E@ -C@ B ? >J-A
!? D G A@S+ B B ! CE-C->.B CA A. D D A-+ -A,G
J@CJ,@S ?@2 E>+ 8@+ : ;M<Q . $ " 8!>C+@@ (
;OP ! CE>C. 7 CA A. JC- @CE A ? AG J, @ - +B@
A-C+B2 D.A G A. ? G >DD@A ?A A. . @A >J-A ? G
->A+ KLO $) ' !, B S S B@ +C>@ ?+?
-C . A. ! CE-C->.B CA A.] C + UA-) G-> D- A2
+B@A E D G-> + AD2 & " ! % &'
$! $ K B AD - @AG ? -C ,@2 E>+ +B +
B +@D A -?@ C->AD +C-A. C-? +B@ ,>? ? C@ +2 A B- @
B@C B-C@ + - ! CE-C- CA A'
% E "@A @ A '&', 3) 0 10
O/>> B , 0 ;O A &! ' " AD
+B ,,2 C +B@ C CE-CC->.B ,@ >C@ ->,D@ @C>@
+B@?2 +B@G C A U@))&C A @B +B@ >C@ + !] '
X 8 CE (;SM +B@G +B@ ,GU@ J- +@ B +@ DGD ? U@2 +B
CE-C- C +) . ^ $%) ' D))) ' %D)]0
O ! - CE-C-A.B , ,G 2 $!!$ $ * *) $0
;KKO <$ ' < !@J+ O O -CC@ J-AD@A+ @AD A + -
E,--? - +B@ ! CE? ->.B ,G
! C (#+8@ 1 3> , - E) E-+ ^ JE@+
5 $ 0(#5 , - , $ 1& =%(0 $ $Y
) C+ 5C D ? > S 3 0 8% 2 C @ @C2 , +@
, $-31) $(" B ! D>A. E@@+,@2 B B2
-C -?@ @ A7 ,@A+ -A+ A@A+ , -C?2 ? G B @
A ,A@A @D ?@ 5C -CD (a E@@+,@
gu C & - *0 C$ - 0 ==O O ! CE-+ 4 ' , 0 ,P 3
E-+@(2 ,G@2 - ! Q ;= A 7C 7 3 U@C MN< =Q
$' , B C E-+ = $ ' EG+) D,@(
+ ! CE-G,@2 1 0 $ cYH ^ D 5 ,$ 3
&) !! 8 M+B A +++D(2 # 5 ,$ 1 !E 0H
$ - 0 - ? B2 +- EC@ U A J @ @
!3 $ $-1 $ &0 2 B@G CG @ , @D2 J-G,@D2
CE-G,@D AD ? D@ B -UU - B@C D . --D
! - CEC DJ @2 -E -C? -) 10
! @+>CEC- +@ 8 U CEC- - +(/ 0 ^ ,$ 1
-C? - N I a BGDC-> , Y
+@ - ,>? A 2 ->AD A@ C ! CE-C->.B
SK . 7 G S A C !& 0 $ 0 !@C ;KN + 2
? G E@ D + A.> B@D EG +B@ JJ@,, + -A - ! CECD +@ ;) L
3 5 ')). A ' ," ,!0 ? 0 4 =O= L
! C @ 8 U@@C (2 AD 5-C? L Q
- C 2 U C 8@2 = K - C @2 8P C U@(2 P Q
U C @2 M ! U C 8@2 U C 2 U@C 2 U C 2
U C-@2 Q ! B C-@2 P C @* :<P) - @@2
M - 8@2 U -@2 U @2 "C - G @ ^3 C 2
5 % % 8%@A+C , # 5 %
?-D 5 % A- -A,G D - - A2 +B +B@
@A @ T E@,- + AD CD ,>@ AD - AD2 A @A @
E E@,- (fV&C % % !J &.
% % + J) AB+C ! %
8?@D % + C-? + AD 5C (2 JC-E C@JC A
-,D@C ! 8 , J JJU - ,
8% , +- @,@ + ->+2 $: + 8 8 @@ S (
i % , +- J,> U % 2 K + + 8#A %
C-? 5C _

, $@ +C +@D A I> A+ +G2 X@2 -C ? ->A+
A+G 1\
@> ;O<Q) < . B 8$-,, (MKMO " ? -D@C B@ D>D@ @U A
V CD@ \ C , ,-D@ C@ D>AD ;L=N B% '10PL ->E@B->@B
+- B EE@ +>- ? @ >C@ A@ 6++,@ AD A@ C @2 B@> @E
+->-C@ (V@>-,U@ AD A-BC@ .>-D@ ?D , C.@2 J@+ B@> @J
E@+ A-A A@ G G 9 LKQ # % 8$-,, (=PQ
,@ ,-:V A.@ AD C ^ $ $ @ B @J
A +@D@ - . -,D AD - .C@@+ CC G) , ;=SK ' . 3
^C ' , =QK " B-> A ,-AD-A & " P C -
D--A B C + ;P<M . 1. +C ! > ,&
<N O I + + @ A) -A,G +B@G C + JC@J C@D +B@ + E,@2 AD
+B + @C @ B CJ@ AD U C
*K ;PN< . * & % &&! 8;KQ=(;NL B A
+B@GC -D@ @ 2 +B@GC,G>P .@ ,GE@C ,, B@GC, E->C - ? -A2
+B@G UA@ @ :,- ->@+G @
i E # AD !, .B+ A -C @ -C +C@A.+B
,? - + ,? 1 0
,5 & 0 ! 5) 8 >D MOO(PMN _V@ GAD@ .C@+2 \
A-+B A. U + 2 J-AD@CDGA@D B ,,@ 5 55<) "!%& > C "! (
8% ?D@A(" - E@ + Gb GAD@ - C @ AD ,?@
+B + @ ->D@ A-+ - ? @ +- +B@ +- A@ - %-C -A +G,, 3 -AY
D G G@A + AG.B+ SM-- ' . B " =N; 7 @@ G,@D
A@@C@ +- +B@ - + -A +B@ ?@ D@2 +B @CG C @ AD@2
AD A ? AA@C ,?@
+ # +B@ +@C - C @C2 @+ - 1 0
;QL . 6 L6) A C& !$ ' C$* 8 " E+ 3 ! ! 2
- ? ? (;PN B G@ C B E@@A @CG - D -C +B@ ? m+B@
E- + a2 +B@ +@C @CG C @
J/ # J@C -A 2 +B@ C ++C E>+@ AD + -A
!+ A.G2 J C A.2 A .. CD,G2 J C ? -A -> 2 J@A>Y
C -> , -2 J C A. -C B CG &%(1 (
@> % LL o b) %) CG<O! C@2+B@UGA.- C # UU@D
7)@ A A+ C ; L) " ' $ 0 7 (;O== O -+B@ E@
C AD B A B@) % [LKM B ! 10 MLL 1@
WB>, @ +B@ C B@ @ 2 A B ? B@C@2 +B + ?@A A-,D@
A + G- +- C 2 A@ +- J CGA.@2 A@ +- --, C.@ %4=NN
$ &> & $! O; A) & J + ;MQO O@ C U@
- " ,->A.V ;=KL L D<&! ;OK E S AD .
+- +B@ ?, C.@,G +- @+@ > B@ +B@G U@D E>+ +- B@C @, B@
B CD A A@C @U@A@) \ U C @ %4PNN V
& QK B@ -A@ - ? .B+ UGA.@ B +B D@,G>@CD @, -
+B + B@ UA@ A-+2 B B A +E A-+ E@A C2 A-C - -J-C@
%DC .@2 E>+ +B + B@ B +B @,@ +- B UA- , .@ D@,G>@CD +B@
-A@ - +B@ .C@++ + UV?.@ +B + @,>G+B S-
0< 0 C 8;PQ) * 3 @A J + B >@ C@J@A+@D -
-CD@ >J@C ,>@2 O>+ @,D-?@ - + ,@A @ D-+B AG ? A
C@J@A+2 7 E@C -C@ C @ # -CD@ ->A+@D +C +C@+>@
) S . <& 0 SS 2 !>J@C ,>-> A -CD@ 2 -C @ , +-
C @ $;LL< A & $3 4 P= 7 @@ D>@C+ @
G-> ,, +- -A+@A+@D +- ,G>@ >AD@C C @C ? A->C -C
+G ? @ +B@A G@ B >@ D--A @ %G ? @ J + $/% B
$-1) &) . B%0 POE2 B@G UA@ @ B ? +- E@ -
A +>C@ C @2 AD A-+ E@C D ;MNP S , 0 !
, 8;MOK(O== 7 B@C@ ? AG B >@ C ++@A -+B@ @ +G ? -
,) @ 2G@+ C@ ,- +B@ ? @CG C @ A B@ A.+B@ C@ -A
-) ? AG +B@ C A+@CJC@+ + -A 4ML< 8 0 (
4O AD + @C@ A B@C@ +- E@ C @2 B@C@ B@ B +B E A
! - J C-D . - B@C E@ + .C @
!2 ;=S= 1 C 0 C 0 8&@C G !- (O; - GA >,
? A +B-> @C@ A@ @C@ @ # T @ C@ ? A C 2 / - ? A@
) WPN &5 C&C) ! Q=N A " X, 0C0 C0 O<L OG > @
+B@+ E@ -E) B@ G,E@ A@ DG@ AD @ $!((
U C @a2
E # J@C -D - + ? @ %B C +@C X@D EG
C +G 81 0
[K<N !! $ $ " 5 A 0 0 (=;< B ? A
? D@ J A@ D G @ +@2 AD A) C +G ? @ - @)@C@ @
@ G+@A2 + A 3 G S - 1 $
L[&- B + A2 AD - ? @ -+B@C +B + C@ JC- D@A+2 C- +B@ C
B AD ,@ B J-A B>CD,@ 2 AD U@@m(@ + , C @ D ? @
K # - - D -C -+B@C - ? ? - D + @ 2 C C@,G - ? Y
? +@C ,+B A. S + A. -C @ E,@ A D@ @A+
I> A+ G
,OJ>& B & - LM B C + ,@) @@U
- U C AD +B AA@ B + A#.B+ E>+ ? + -C JJ,@W +B@C
AA@ ,;=LN ? ==K A E + +G ? @ ? -A@G U C @ 4P<L
, 0 2 Q 7 B@C@ -CD C@ C @ +B@C@ +B@G C@
@,D- ?@ J@A+ A@ A@2 5-C +B@G EC@ +B +C>+B2 +B + EC@ +B
+B@ C -CD A J A@ 1 d (LN; B@ & DC@
+-,D % J+ ! A +B + &C- -A A- C @ -A +B@
, AD ;K=K (L; B@A +-> B D J-A
+B@ . ?@2 E- C @ B @ -A $ > [B
& (0 S 6 2 <N 3 -A@G C @ SK) $2
- 0 =KK O U@ ? - + -+B@C , G@C 2 A.,+ B D B
JC-E + -A)) C -D B@A -CU C @
;=S= 1 C (C 0 8&@C G ! - (LQ 5-C ? G
+G ? @ ,G+@, B@C@ 3 G D G@ E@ S@A -AD@C W @
;SP=K ' & 0 ! (% 2 ;PL ,,+EGA. +B@C@
@2 EG C@ -A - +B@ SVA+ A> ,, CC@
! S + A. A , ? +@D A> ? E@C @,D- ? @@A -C
A @+ +B C C@ !)DD B @ G - +B A. +B + C@
->.B+ +@C EG -,@ +-C 2 @ . E--U2 - A2 @AY
.C A. 2 J@ @ J, A+ -C A ? ,
$JO 3 ?$ 0 L7 C0 0 S S, 2 ^ @ ? (E@A
JC@ -> @ -C * 2 E@A C AD D >@C @ -C ,, Y A+ C
AD @,D@A B D-@ ^ &- - $) H ,@J D .C@+ AD
JC@ -> @ S)) $!" ?&!& $=L= B@ C @ +
, ! C) - A 3 @D ,6 -A ,, JC@ @C D
3S- & !!0 8# " !(=; C @ O--U ;K==
$ ( )O0 S 2 1-> , A-+ AD @+ C
I> , +G B@C@ ;KPK 8 0 8: (& 31. (O;<
--D E U@C @C@ C @ A A@+ $-? @ A +B@
?-D@CA +G ;KQL $ 1(% !0 OQ / @ KO; 0 B@ --DY
- U ? > B C @C +B A ,> @D +- E@ 4KK=
L ;>,G PKL L 9A- ,@D.@ C @ D- ? C @C2
E2 A -, ,@ +-C A ? @ - E>++@C ,@ AD ? -+B
;KLK: ?) % & B@ C @ ! ,, -
1 (O B@ C @ %,->D@D 1@,,- ;KK=)
&) . A =K + B@ C C@ + -A@ - +B@ @A ->A+CG E>++@CY
,@ UA- A +B@ ! C @%-JJ@C
+ - D - D @ @ 0 $ 0
OPKK . $! - * - (E * 2 &-A+ U@ ? @, A -,G@
@CG C @
.2 ,$, &%T(J--C,G -C A+ ,G >JJ,@D -C

JC- D@D +B D@ @A+ A A-+B A. ? > B - 2
B-C+ - - $ -C 1 0
;P=; $ 1.)<)" &>) A) 0) (# * E2 A
J, @ DCG@ AD C @ - @ B@2 +B@ GA.@C AD -GA+@
O/&>) & 0 V & 2 !0 SSS 8;KQN(;<K B@ @ ->AY
+C@G E@ E CGA - A@ AD - ? @2 AD U C @ - 6@,! $%%>
= . C0 0 ? =LL / ,-D. A. C- ? $@. -A C @ -
JC@G - .-C.@ +B@ ,@ B - ? E MKS 7
C $ &!(< 0 8;M<L(;N<K 7 @ C@ @CG C @ - > B
+ X@A ;KNK &) , (8;K;N(:::OPL B
C->+@ @CG C @ - +@C 5N 8 = ! ((
& S 2 7 C @ - JC- -A
1 &BC & - $. & !% ,$, + - E @A+ -A@Y
@, 2 . - G2 U@@J a) ,&!!&D0
SK) = . < ! ? $ %0 6 O 3 G , E@C+G .C A+@D
-A,G -A -AD + -A - ? U A. ? G @, C @ A +B@ + - %
+ ,@ SK M " - !0 8+K) (;M< $- @ , @ A +B@ ? -CAY
A.2J + @ .B+2+ - . @ +B@ -,D A ,+--+B B@ + ? @ +- ? U@
+B@ ? @, @ C @2 B B +B@G B @ -E, . A.,G D-A@ SKM-
& ! 7 B@A @ @, @ E@. A +- B- ? @
+B + B@ + C@D -AG -? J AG2 ; ? D@ ? G @, C @
;K<P = " 9)? & !! : > + ? @U G->C @, @
C @2 ,,+B@ ,-+ G@C
Q F> , G A. A->A - + -A2 -C ? A. JBC @
@I> ,@A+ +- +B@ .@C>AD I> , @D EG ,$, !" ($ 0
;K=; 1 0 > $!! " SS 2 ! B@ +B B > ? ,@ -
C @ C@ - .A + -A J @D EG ? @
0 $ (
i ! A+ ,G2 J C @,G % ($ ($
0 $ (
, ;LNN ? . OQ= 8&@C G ! - (;L AD - +B@ E@ +@ B ?
, @ B@ + +E@ C AD ,>+@2 ,;=PN . $!
- 5-C B@A B + B ,, E@ D@C@2 B + ,,@+B C @ AD B@A
B + B ,, E@ .C@+ B@J2 B + ,,@G@ J,@A+ G ,G GA-.B
/ O C@,G2 -A,G *> + A-+ I> +@ f (
$ (#(- -A,G ! $ " 0 , - %) !! ,$, 0
!@@ +B@ C B ? CU >AD@C (O2 B B JJ,G , - +-
+B@ > @ - +B - C C D A "+B@ -C ? , $,
-+@A D-J+@D A +@ D- - ,$, !" +- -D +B@ +@C + -A
- +B@ > S
4=;L C !*T0 &2! 8% S+-A ;=KL(S Q; " +@,
B- B B@ B +B A @>@CG D@ U C ? AA@ " A.+E@
;PPK 1 9 ($, $-0 S QL , @ B@ >@ D-A)
,)>+ ->C D>+ @ AD U C) +B + SP) C " &) ,
,& 0 H0 =NO !U C A@> B+-- >+@A@+B + B C C@ ,?@
:) !& & 8 *) - = E2 7 +B -C,D,G
-C@ B@ !#+- +@2 +B + C @ B@ +-JU@ B C@ 6 4P<4
U 0 !% 0 ! SO $@+GC A. C- ? +B@ !@.@ -
FC,@ A @2 " >A. >,, C @ S +B-> AD A B +C->J@2
SD S 1 = B 7B $ 1 =N B@ E,+AD@ :>D.@
@,,- - , ->C 2 ? G 3 +@C !@,D@A - D)@ A.
C.> ? @A+2 B@ - B +B ,>+@D - U C @ ,-A. ;M==
= &*0 8 CE (P= A B AD C ,@. E,@2 S)GS
C0 0 KP ,, %-AI>@C->C / @ +B D - @C +B@ C @$;=NN $ &PMN A & C& % % 0 & " 0MNL &C@ @
?@A2 $- ,A. A EC>+ B @ ;MQM) BL 0 8% ?Y
D@A(P=2 C @ +B AU B@ ->,D ? CCG -A ^f -A@(+B
A-+B A. 2 ;M<<) 9 2Db) V) -) 8;KQP(== B@G @C@
WN B U@A +B@G ->,D U C @ B-,D +B@C@ @@++ $;QSP oG +
5& - 8;QMM(;KK " @ C @ @ @C @A+ + -+B@ C ? @@+Y
A.), G - 9 , 0 ;;< B@ -+B@C %-AY
+C> + -A 2 C @ !@A @ SKM " !! &%V0
/@D)M AD AD@@D @ @@ ? + - ?@ ! C @ -+B@C +B A ?G
- A D@ ,UA .B+ SKKM % (&% &3 $" SS
8@D L(ONN C@@JG ,++,@ + - A C @ E ,.@C+B A ,.@
KKM 3 $ 0 !0S 2 C A @ A@ @C C A E@ -C@2
C @ ? AD A. +B@ D C@ + -A - ? G , .B+2 - ,-A. + ,@D
?@ C- ? +B@ ? >CD@C@C
$;PKM A S XK 7 +B +B@ @ GA. @
C@ C GA@D +B@G +B@ @ -J-,@ ;P=K A $!(,& 0 C$*(8;K<K(
F " @C - C,-J@ G - AU@2 G @ B, +- B@C@ B@ @C@
-CDGA A 2 ;PMK < 6 QN B@ +- +@)->b
D ->C -C A+A@ @ ->,D @ @,D@ B @ J-A
6 +B J,@-A + A@. + @% (
(3 $ 0 D 1 0
S3 " $ -+- !0) 0 &C@ 5 5-C +B@ @C D-
B ,,@A.@ A-A@2 E@A. +B A. +B + @>@CG E-DG +B + A@>@C
C @ E G+@D +B@ C B-C @ + +B@ A >@C + @ + U@ J-A +B@?
+- ? U@ SDK=)E C A ,, 0 0
4QQ B@G ,A-+ -A C @?@@A-C*) C@C@ @ @ ?@@
E>+ J>E6U@ A +C> ? @A+ -C+B@ @C @ - A ,, A @
S) ! : 8 * % 0 &3 0 8;KMQ(;L - +" @,*-
.,)> B ? @, ->,D C@E- + ? -C@D@, -> + E,@
+B C@ @C@A @ +-- + ? @ % ,
;PSL 8C(B SA <N ! C B D :>A- +B C
-CD EC- B+ +- @AD2 F>B@A ^@+ a2 $;P=Q 8
8;PPQ(O 2 ! C @ J U@ +B 2 B@A , A. +B> B@
GD ;MMP 1(,,$ (%!0 8;K=K(;QL 7 @ B D
C @ @A+C@D +B- @ 5 @,D 2 B@A C C @C@ ,>+@D
+B ^@+- ;MMQ = (C0 ($ KPN B@C@ B@ B@C ?@+2
! C @ C- ? +B C@@ C@+>CA A. ;Q<< ! ? 8 (
!&3 $50 LPO ! C @ B D +B@C@ >E? ++@D2 E>+ +B@ ">A
@C@ A D A. B ? %B C,@ ? .A@a
*($;P=K (& (" 0 <N " @ B D U @ @AD@D
B @SB-C+ -A2 E>+ +B@ A., B?@A E@GA. @A ->C .@D
+B B JC>D A+ J@C > -A2 @++@ -A +B@ C @A@ ? @
% F> , G A. JJ, D* > @D ++C E>+ @,G
% - ? ? -A,G BGJB@A@D

B@ C @ ? U@ B-A@ + O%%J 9) % 8 " ! (=Q<
@ @C -C C @ +B@ , U@ @@A
! 6 @D 8 +@C 0 5+ -C 7 +B D >,+G2 $ 0
;MMQ = (C0 0) =QN ! C @ C-? B ? ->,D O B@
? -+B E .@ + E-CA - C+B >JE@ D " +A@
((C & - (;Q " - +B-> C+ B A.@D D C@
A-+ ,--U -A +B@ @ @ C @ @AD>C@ B@ C D A @ - +BG
E@ >+G SKKL $ 7 $ & & S =< 5-C EC
D@ ? -A @ J@D -A B ? 2 AD B@ C @ D@J C+@D +B@A @2
@ A. +B@ C B@ -@C +B@ @CA +C@
+ ! C @) (10 $ 0 5-C ? = U C @2
P C @2 P2 _ C @ ^ $0 % .
2 ! (- E@ - ? @ ,@ 2 D ? A B2 E -
E@ - ? @ C @
;L<N K 6 & % L;L B@ GADG !+-C? E@. A +-
U C @ $ S) -- ?) =NN 8 3 ! ,E (2 OG +B + +G ? @ B@C
+ 6 C D -C@ +B GAA@ +B@ % @
/ $ 0 - ? U@ ,@ +- C C@ G
;==NC & - *0 C$ 0==O O ! C GA2 -C ? U@ ,@ @2 - - &(
;P<K G (,$ $ (+- C @2 + J C@2 +- J A B2 +-
>+ - 2 +- A+ ;MNL O (&% &! 31$!! (7 B@A
+B@ ? -U@ D-+B J @ AD E@ - ? @ C) +BC->.B +B@ ,-?@
i ! C @ @ D 10 $ 0 ^ $0 i
* (!+ A. A@ 2 A . CD, A@
% D ,2 ,$, T C +G2 A+ 8 , -C+BG (& - Q
& 31.0 ;KKM(
[=KN K C 1 ? A $), . 0 8;PM;(LM< ;
O>+ A B %->C+@ ,@+ B ? C + D@> @ -@S ,@ ! C @B@D
AD %->@+ @ ;PMM & $, (! , * + *2
A ..@CD@) ,->A@2 + B- @ C @B@ D@ AD ->@+G @ +B@
-AD@ D D->+ ? U@
+ ! C @,@C 10 ^ D -? @D@C + @ 8 5C
! J2 -C + (- 52 ,$, !! 8 M+B 2 A " +X
& C? (2 !J ,$, !$0 + ,$!!$ J-> B CC@D
+ +B@ . CD,@2a UAD - ->C @C @@ I>-+
L 2 , ($!! A) (OQK 7B- -
-,, C D@ +@ AD +B ->+@ B@ G C+ .@2 .-) @C@ +-
GAD@ ++@ OC ..@ > B@ C @,@C E@C@+B@ ? C B >A+@
,@++C@ B B ,, GA@ C D@ +B ?@A -C GADGA - EG?
AD B B-C 2 ->+@ GAG@ -+B@C .@
D(OD-4+ 8 U@b* , (2 5-AA @@
$, - = U C), B@2 M 8 B C @,G(,(
$# DC 6@2 + C 6@2 U +) @2 U G C ,G@2 M2 K
,0 U C , @2 2 ,(U S@@, @ M U -@,G
K$ $0 i * ! ;.
, ! A+ ,G2 A ? ,, I> A++ @ A D@I> +@,G2
J C A.,G2 A .. CD,G2 J C ? -A -> ,G 1 0 0
;L V0 ! 0,-S 8O-D 3 ! (2 A ,, B@ G B@++
AD .A@D ,G>@C@ ->A !U) 6 B^O)))) !U C B6 B@,
K A->)+B - G ->A 4L=N " 10 L= > C @ D -CD@A@
,->@ X>- D -CD@A@ B ? @ @U A@ J@AD A.@ C ,, B@
C$;=NN $ & PMN A & C& % % 0 & " 0 MNL &C@ @
? -A - C , B@2 7B- ? (+ -,+B ? JC->@ ,;==N
< $ & - 0 SSS ;=Q8 " C, 3 ! (2 OCGA. B- ? @ B .C@
B->AD@2 AD @D@ + - C ,G2+ +E+ EC@U@A- ? -C@ ,-- .
?/&+ O - $ <& 0 8;PPM(;P @ DC AU@ A@ A-+
C @,G2 A-+ +- ? > B@2 E>+ - ? J@+@A+,G ;MSL B
C ! - $ 8;MS=(Q;K + @C@ C @,G AB E +@D2 -
@ AD ? ,, + -A %%%0 = 0 < $- - $
- $DC 2 + B +B E@@A ,-A. .@A@C , - ? J, A+ +B @ ? -
+@A+B J C+ - ? A , @ 2 + U@A >J A ,@ CA A.2 AD +B +
@CG C @,G2 +B@ + A -A.>@
/ #C . A ,,G > @D +- @SJC@ C@ +C + @ I> ,Y
+ -A2 f TE C@,G T -A,G *> + B@A @ , -2
E C@,G2 -C A-+ I> +@ g -A,G *> +2 + ,) A
? -D > @ +B@ -C . A , @A @ >C @ -A,G A D@ A +@
@ +B@ + A @A+@A @ C@, + A. + -+ E@, @ 2
@SJ@ + + -A2 -C @ + ? + -A2 +B@ -CD A- 8 -
A 3 9 (@C @ C@ +C +@D A@. + @ 8 f T A-+
I> +@ (# +@A2 B- @ @C2 +B@ I> , + -A C@ ,,G
C@, +@ 2 A-+ + +B@ -A+@A+ - +B@ @A+@A @ A B B
+B@ D - >C 2 E>+ +- +B@ D@.C@@ # +B@ J@ U@C
E@, @ +B> T 1-> ,, C @,G ? A+ A +B JC-Y
J- + -A " @I> ,@A+ +- AA-+ I> +@ E@, @ @
+B + G-> ? A+ A 2 @+ %0 = $ 0
AD (!$ 0
B@ D I> , @ @CE 2 D* 2 D 2 AD D E JBC @ 2
AD @ J A>? @C) 8 E 2 D* 2 AD D (2 D@ .A + -A -
I> A+ +G2 AD AD@ A +@ JC-A->A) A ? AG @ + ? G
? - + -CC@ +,G E@ C@. CD@D I> , G A. +B@ B-,@ JC@D Y
+ -A2 +B->.B J, @D A JC-S ? +G+ -+B@ -CD A +B@ @A+@A @
+- B B +B@ I> , + -A B @ ,G C@, +@
$ < . B 8$-,, (;NM;= (;Q@ ? U J-C C @, B@
? D J@ +@@A@ ,;LQ= B > 0 0 ;; =L @U
C ,G E@@A +B@C A +B J, @ +BC@@ B + A ,- @ @GD
,GU AD D--A A ;LKM] C$ 0 0 6 <OQ AD B@
E D@ +- B , +@ D G C ,G ? G E@ ECG>@A BLC ? -C C@
?@ ? EC@ BG ? - BG @ GAA@ 2 $JI 3 8$-,,
4Q 9A- ,@ B@ - .C@@+ D@D@ -AGE , - +@ AD -C.@2
B + U C , B@ ^;PKQ B C @,G2 % S+-A ;=KK C @,G E C@
A ? @ - J, @ B >@B A- A ? GAD@ ,5 C !
" %" $ & SSS 8;KM<(=Q !@C+@GA2 I>-D B@2 UG+@
" + @A ? A@D B>,D@ U C, B@ E@ >, >,@D+B@C +B
5-C + " @@, ;PQM - 7 C$ & * ! 0 ONP !- ? @ B +
+B@C@ A+B@ ? 2 B@C@ +B ;? U C @,G J,@ @D2 S)
1. +C ! > ,& 0 S O<= E->+ +B
+G ? @ +B@ J@ + CG @ A ! -+, AD2 B@ ,? A />AD@2
E CD A@2 AD A >? B@C@ +->A@ AD D-J@ 2 I>E ,U@
E ,)@C UC ,,@ ^) a >,D E@ "A @D $%&I
$,10 LQ #A@ - ? G @,,- @ B D +B@ J@@D - 3 ?
7 B- ,? - + D@ D) -C EC@ +B2 B D C @,G ? -C@ B@A
->,D ? U@ J B 3@ .@ ;Q;L ! -0
- =N OP< A & C +B@C@ C@ C @,G S !+C@@+
D@C +B A +B@ A CC- AD - !+ 3 C+A ,A@ 4QK+
) &) !$ 7U ;QNQ ;O0 +
^+B@ DC J@CGa C @,G @ @C + +B AG B- @ -C U ,,
(+= B 3 ! & 6 ;< B@ .@A > - &@+C C B@
C @,G - +B@ C + -CD@C ;KPQ 0 = $ 1 0
? 0 8@D L(= ! - ? @+ ? @ 8+B@ % >D@Sa C @,G
-C A-+ + ,, @A. +B@A@D XKM-) . < !$,0 S MP B@
C A -A+ A>@D +B AG J > @ QSKKP T "

JC@ -> @ -C > ! @ D@ C@ ->@C+ @S D@ I> +@ ? A ,@C
->@C +B@ +@C G E>+ +B@ ? -, ? G +- @++ D@++@C ;K=C ,C
VP2; 0 (PN #>C @ -,D %-A
.>@C-C2 @AC, +B@ , + ;P<= E & !$ KM "
@ , G.B+,G ->@C D +B UGA [MNQ 4K
&) 8 CE(LQM A> ? E@C -, +,@ AD C @
D @CA@D @C+>@) ;ML; = (* ($, 0 ON
" +B@ C A -U A. ?@ O>+ +B C @ @ , , E+@D
, ?@2 ,$%%/ 1 E C 0 & $! &(B@ C @ , - @D
->AD A@ ,G E,@@D A. !+ +@ AD %B>C B ;KS=
$ $ A S,S2 B@ @A+ E C @ ? - A.J ,@ 6J J-U@
XKMK G TK (+C -$ 5 (AD -A @ A +B@C@ +B@C D
C @ B@ CD 7 B J@C ? -A. +B@? ;K<< " 5 C
&) !$ & ;NO B@ J C -C @ C- ? +B@ C @ + +@D
EC@ U +
!@,D- ? 2 C @,G @ @C2 C C@,G 1 (
;P<M (2 :(+C ! > 0 ,& (&C-, B@
+C+,@ D @2 +B@ @,D C@2 +B) A B+ A. ,@2 +B +B C*! A
+ ->A C@ I>@A+ E-+ U C + B > C >AD R 77
2 0 # 0 0 7; + -B- @ +B + B@ ? U@ C@2

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

+ ? E@C ' A' +B@' ? D B J' C ?@2 ,' K) ') ') ' $ 0 8 7 @ ,@(
;=;' B@' ,- @C C D@C G' ,-A. D@' +B@' ,--C' C D@C 2 AD'
. @' CJB' E- @'+B@?

/ ' $!32 & . ' (8!@@' I>-+ (

$ &J' ' . U 166 .') ' ' '@+ ' 'OON A' ? +B' ' -CU'
,U@ @2'+B@'*- A A. ' C@' ,,@D' C ' B@' C 'C@I> C@D'
-C'+B@' B>+2' C@' ? D@'EG' C +' >J @++ A.' -C'+B U@A A.' +B@'
C-A +' ' A@S+' C>D@,G' + J@C@D' - ' ;KQP' : 7 ' (
,.0 ' ,$ % ' +B@' , ++@A@D' -C' B ? @C@D' @D.@ ' - ' C-A' JC@ '
J C@D' -C' @,D A. ' 4KK=% ' ' 7 ' ' &- &*' ,(!@C '
A ' O<Q O' B@' J- A+' - ' +B@' C ' ' C+B@ +' A+-' +B@' C@

(& - 1(H' C *- A+ ' @A @ ' ;' AD' O ' B@A @'
C *- A+ A.2' +B@' JC- @ ' - '*- A A.' + ? E@C 'EG'
?@ A ' - ' ' C ' i ' C + ? E@C2' + ? E@C' A' B-C+'
,@A.+B ' -C' C A. ' C @,D' 8 @@' I>-+ (' &

;Q<;' 2 ' " &' ' ('a' OPO' B@' ->C' +-A@ @C@'
' +-' E@' >A +@D' +-' @ B' -+B@C' EG' " --U) ! C :- A+ ' SK S ='
",!(' E %) !' ' ' 8@D' - ?, A -A(' ' LO< B@' - ? ? -A' C '
*- A+')' ? D@' EG' ? @C@,G' B , A.' @ B' J @ @' - ' + ? E@C' -C'
@C+ A' ,@A.+B2' AD' +B@A' E-,+ A.' -C' +C JJ A.' +B@' + -'
J @ @ ' +-.@+B@C' ;<NQ' C &,(' &,(' ' 0' ;=' 5@E ' L=< B@'
?@+B-D' - ' -A +C> + -A' ' +B +' UA- A' +@ BA ,,G' ') C '
*- A+) ' ;=<Q' $ $!' ,,0' '(' ' 8;K<M(' L;O' %@C+@GA'
! C ,@' G ? EC@' JC @] *d' *) ' SKK ' 7 .3 !' T ,$ %'
! ' ' J@ >, C'*- A+' ? D@' A' @,D A.' + -' J @ @ ' - ' ?@+ ,2'
' C-A2' +-.@+B@C

+ ' ! C 2' 1% ' !0' ^ ,+@C + -A' - ' B1' ; V'
f ' !% O&' 10

$/OO' - 3 ..' *0' ,(' & 5' ' ' & ' - & ' '
C @'E@+ @@A' ,2,)))) ' ;P<K' ' !)) ' $
I ' ' ;OM' B@ @' % > ,,@C@ 'B >@' , -)' +B@ C' ! CJB@' -C'
, ? E-C' ^!J ' $!$ - 1& ' D@ , +G' - ' ' D + Ba ') ;MNL' &) '
&!!' ' !) -) - ' O;' - ' 8;KKP(' MMK L') >@C @' ? A' B ,,'
? U@' J@' > @A+,G' ,,' +B@' ! C @ ' E@+ S+' +B@' ? ,A@' P'
$@ +-A@' A.@ ' E@+ @A@' +B ' \ ' %BC +? ' A@S+ ' ;M=P' ', 0'
& %(' 9' B@' ,>D2' -C' ! C @2' - ' +B@' ->+ D@' - ' +B@' $? '
J C+' O%/% .' = ' +C ' ? &,,$! ' ' 0% ('C$ - $ T
<< ' S, ' O<Q' / + B@ 2' $ @, A 2' ! C @ 2' \ ' %->A+@C) C @

! C ') ./ ' . ' 0' $ ' ' !0' $!' , -'
_/ &/ ? / & - S ' ' ' ' K $ # '
.$ 3 0' -C' 2' ! ' .$ %0a' ' ' ' ' $

SMMK' 5 ' # 1' A' C !& (' 0' $ "' 8;Q;K(' LK ' B @' JC-Y
>C@D' +B@' !U A' - ' ' .C@ +' O CD' B B' B@' +B +' . @' : +' ?@'
) CD' ' ! C @ ' $' ;M<L' E D) $ » ' $1 !$ ' ' S >' ;NQ'
B@' > A.' - ' 96A A. 2' , ? C A.' - ' ! C @ 2' B ? JC A.' - '
5>,, ? C+ ' O>&&' ' N !$ ' ' A' C ' $ ' (' 4 , '
MS' O(' 7 B J 2' - + 2' &,- @C 2' ! C 2' \ ' $ +/' < ' '
. ' "' ' !(' LNN' B@' !B .' 4% ! ,$ - ' $,)!) H' -' @,,'
UA- A' EG' +B@' A ?@' - ' ! C 2' ' @CG' C@I>@A+,G' @@A' 1 0 '
B@' %-C ? -C A+ ->C' .C@ +' ! C 2' ' ' J@ @ ' A-+' -'
A> ? @C-> ' ' +B@' -C ? @C' SKMK' / ' < ') - - ' '
' ' ' ' . ' " ' ' ;PL' ' , XG' C ' B@C@' AD' +B@C@'
C @D' B ? @, ' >J' +' ,@A.+B' - @C' +B@' >C @

! C ' 8LU) (2' 1(' ' $! ' (' ' ,-A. +>D A ,'
>+' ? D@' A' ' B ,@' ' E-DG

;KP;' " ' = 3BL ' $! ' ' SS ' SK ' ' +B@' E,>EE@C' A'
-A@' +C J' >A -C ?,G' J@@, ' - ' ,-A.' +B@' , A@' ,,@D' +B@'
' C ' ' 4KQ= (' 3 ' ' $ ' ' $) - $! ' ML' 8%@A+ ('
' C ' ' >+' ,-A.' +B@' E-DG' AD' +BC->.B' +B@' E,>EE@C2' +-'
B B' -A@' @AD' - ' ' + U,@' ' B--U@D

! C ' 8 U) (2' 3' , -' Q' C @2' U C @2' <'
U C ' ^ 2' ! O&' 10 H

' $' /' -' ,-+B@2' - @C2' -C' C J' +B' -C' '
+B' ' C'-C' C @ ' ' +-' A @ +' +B' ' C ' i' +-
E, AD -,D

O/O' 1' ' ..' $ (' ' ,' =M' B@' +>CDG' &,->.B ? A' D-+B'
+B@' -,D @C' @@2' ,,' C @D' +B)' J,D@' -,->C' +-' +B@' UA@@'
;MSL' ' 8)' ? $0 '' ' ;;' ' %' L2 7 BG' D-+B' D-A '
B>A' +B ' ,>-CG' . CD,@' - ' ?G' C?@ ' ' ' - E@' +B> ' C +' +B@'
DC@ D >,' -D' - ' CC@' 7 ->,D' .,>@' ?@' -AI>@C@D' UA.D-?@ '
$%JA' ' ' 8 ' +C' $) ' E - $**' ' C & *
%, >D > ' > @D' +B +' - ' >.> +> ' +-' E@' + U@A' C- ?' +B@'
B@ +@C' - ' +B@' , D +-C 2' +B +' +' 2 ' .B+' A- +' @ @C' E@' JC@ @A+
+' ? > C+B@C2' -C E@' , G@' C @D2' $' ;M=N' ' C (
, & ' 8;KK;(' =K !, +@,G' B D- @D' -C' C+' ' +B ' A' +A @,
-C' C@ A' ,@' $ +/' B & &,' ;;' S S' O C@' # ' --+2
- ' , ? E2' C @D' -A,G' C->AD' +B@' ,- A ' $ &O' = .)'
' $ & ' ' P' 7 CC -C ! C D' +B' +B@' C- ' ;K<=' / >'
= B ' !1" ' ' 8;K<P(' OKN' #>C' +BC@@' C @AD D>,G'
C @D' AD' C J,AA@D' ^@+ a2'

E ' $ ' %0 AD% 0

;MNP' ' $, 0 ' ' =Q' %- ? @2' @@, A.' .B+2' !U C @'
J' +B@' +@AD@C' G@' - ' J ++ >,' / G' $%J+' B ' 6' ' 8 '
!&2 ' & %' & ' ' ;K ! C 'D' A' ' C- @' %,->D2' " @@' D-+B'
@AD' +B@' C@2' ' $%&+' 8 . !' @+ ' ' &%' ' - &' & '
' 2' 0,> B A.' D-A ' C +' A' ? -D@ + @ ' ;KS='
' "' !!' SSS ' <0' #+B@C ' U C' 3' A' C> ..@D' -,D' - '
$ >%' - ' $!10' - 0 SSS ' LN< B@' .C@ +' >A' ' + ,'
B A A.2' +B->.B' +' E@' C @D' EG' @ C+B,G' J->C ' $ O>'
1 ' 2 ' C& - ' ;;O' B- ') @D' B@C' +B' +B@'
? -CA A.'

/ ' -' C J' 8 ' . C ? @A+(' $1&) ' -C' $ &) ' ' ' J@C -A'
A' +B@' ? AA@C' - ' ' C ' , - ' $ ' %(' $ 0
SM- ' ' $ - 0 ' ' ;L' J' C- ? ' ? G' E A' 3 G' @ '
- A@' C +' E->+' ? @' A' +B@' D CU@2' C-J' D' ' +-' ,A-@' ->+'
+B@ ? ' ;MSL' ' 8)' ! ' ' ;L' E2' 3 G' A.@C' ,'@'
A+ A.,@' A' +B@ @' >C @ 2' AD' C @' ? G' ,>-CG' C ? @' E->+'
+BG' A@ U@2' ;Q<P' B ' 6&$ ' &%' ,' S' OPM # A' +B@' @ C+B'
+B@' B@ + A' ,@J+2' " ' ? A+,@' C (' C->AD' B ? ' ;KNQ']
* !!$> ' 0' OPO' B@G' B D' , C.@' ? A+,@' - ' .C G'
B@ I>@C@D' ,-+B' @C+' C->AD' +B@?

i ' L ' - ' E AD' AJ' 8 ->AD (' +B2' -C' +B'
C ' +-' J, @' 8 ' , ? E(' A' , A. ' 1 0

;MN4' 1' 9 ' . 8' % ' , ' ;M;' 7 @@' C @' +B@ ? 2' @'
C @' +B@ ? ' A-+' ;MNP' ' 9 ' 2 (' !$ ' C&* '
,! ' OP' @+' +B@ ?' B +' +E@ ? @,>@ 2 ' +B@G' , +2' AD'
U C @' +B@ C' C @ 2' -CD A.' +-' +B@ C' A @ ' ;M=L' 11'
& - - 0 ' < ' (S, ' X ' D' ' +' E@@A' +' -C' B ? ' +-') @' +B@ C'
E-A@' E@ -C@' +B@G' @C@' @+

! C ' 8 U * (2' 0 ' , -' Q' C @2' C 2' U C 2
K <' - CJB' ^ ' ' 10]

' $ ' 0 -' *- A' EG' ' C *- A+
L% >' 1 ' ' $ - $ ' >' < $ - 0 ' L' B- @' C@' U C @D

A+-' +B@' .C->AD' + ? E@C ' ;M=L' ' V' ' <$ ' $ ' (
E ' 0 S, ' e' PLN' @' :-GA@C' J, A@+B' J, AU@ B@'
U C @+B' AD' -GA@+B' +B@ ? ' D- @' +B' >, @C + ,@ ' ;QN=
: ' ' 5(' , ' 0 ' ' B> ' +B@G' G' +B@' ! +@ ?' -
' ! B J' ' ,$ % ' A+-' B@C' 9 @@,' AD' +B@G' ? J,G' EG' +2' B +'
+B@' + -' &@ @ ' C@' B J@D' G' , A+ A.2' - ' +-' *- A' +B'
-A@' A-+B@C' ,- @' AD' @ @A' ;Q<;' 2 ' & ' (
e' =O ? E@C 2' JC-J@C,G' CJB@D' +-.@+B@C' ;K=;' !' 0
, 0' " - !0' ' OKP ;' G@ E@ ? @C@' -C ? @D' ,? - +'
B-,,G' - ' B-C+' ,@A.+B 2 @C . A.' A-+' ? -C@' +B A' ON @@+2
, JJ@D' AD' C @D' $ /+' 76' ?) ! ' ' *' ;LQ' B@'
U@@,' - ' - U' -C' ' A-E,@' B J2' ! C @D' AD' E-,+@D' SKM-'
' ," ,!(? 0 8@D' K(4 4 ' ;KM S' B@' @ @C ' J @ @ ' C@'
CJB@D' +-.@+B@C2

E ' 8!@@' I>-+ (

4QM<' G (' 0' $ ' ' 8;QQM(' ' ,$ % O>+' B@A'
+B@' @AD' - ' +B@' + - ' J @ @ ' ^ - ' + ? E@Ca' C@' >+' I> C@2' AD'
J>+' +-.@+B@C2' +B@G' C@' D' +-' 1) ' +-' -A@' A-+B@C' AD'
B@A' A-+B@C' J @ @' ' , D' >J-A2' AD' +@A@D' +-' E-+B2'
A' +B@' @' A' ,,' C ? @+2' ? E@C) ' +B ' ' ,,@D' C A.' +B@'
+ ? E@C ' AD' B , ' +B@' J @ @' B B' +@A ' +B@' + - ' + ? E@C'
+) @+B@C' ' C@ U-A@D' +B@' ,@A.+B' - ' +B@' C

/ ' $!32 & . ' (- ' E@ @,' -C' O ++@A' 8+B@' @AD '
-C' @D.@ ' - ' +B@' J @ @' - ' ? @+ ,' +-' E@' @,D@D(
4KL4 : ' ((' $ ') %0' $!' 0' ;KK B@' @S+C@ ? + @ ' - '
@ B' ,) C@' C@' C @D' SKMS' G ' %' ' # ;' 3 C' O@C+C ?'
C ' +B@' @D.@ ' - ' +B@' J, +@ 2' J, @ ' +B@ ? ' +-.@+B@C' ^@+ a'
;KK=' % ' ' 7 ' & . &*' ,(!@C' A ' LNL ; ! C ' +
-C' @,D A.

2 ' 0 - ' E@' *- A@D' +B' C %-A +2' &0
;Q<=' ' B ' $ - $ ' *' ' LP' B@' AA@C' @AD' - ' +B@
E--? 2 +-' B B' +' C ' +B' ' +-A.>@2' KMN' ' ",!0 ? (
8@D' K(4 4 ' ;KP O B@' -C@ ? - +' @AD' - ' +B@' U@@, -A' CJB '
+-' +B@' +@ ? -A

! C ' 8 U) (2' Q2' $! ' (I ' I I .a'
$ ' 0 - ' ? U@' ' ' C " -C' A -A' A' +B@' E,>EE@C'
- ' 8 ' B ,@(' , - ' $1 &!(

;KP;' ' = .3 ..' $! ' ' SS ' ;KO' B@' B@ @C ' A. A. 2
+B@' E,>E,) C C-- ? ' .@A+,@ ? @A' - , A. 2' +B@' ? +@' ' C A. 2' +B@' C
B J' +C A A. 2' AD' ,,' B AD' ' @ C A.' - -A ,,G' ;KKQ'
<) ! @+ ' ' E(' (' ' OQK ;' B@' @ -AD' ? +@'
' C ' -C' >+ ' +B@ E-DG' E,>EE@C

! SS E-,+2' A -CC@ +' -C ? ' - ' " . '
! C @ ' @@' 66
! C @D' 8 U +' * & (U C @D(2' * * ! (' $@3' ^ '
' N") V' A @ +@D' +B' ' C ' @ C A.'
' C ' , -2' D@ -C +@D' +B' -C' +B' C
$/O%' ' $, ((. ' ' ;P' B@' U C @D' E CU@' J>+'
C- ? ' B@C' A + >@' E G' ;KLQ' 0' 0' ' S ' LPM
! C @D' +C -,-C' C 3>A J , ' ;KML : 7. ' - $' 8;KQM(
' S ' OM< B@ C' C@' J@,+@D' +C .B+' A+-' +B@' .C->AD' ' +B@'
C @D' / @J>+ @

! C @D 8 U +(2Q) O' ^ ! O5X ' i' / a'
:- A@D' EG' ? @ A ' - ' ' C ' ,$ % 5/5@5G 1
10 '

;QN=' : ' ' 50' , ' 0 :2 .$ % ' +B@' ! @ ' @C ? 2'
B@A' -A@' &@ @' - ' ? E@C ' ,@+' AD' +A@D' A+-' A-+B@C'
;KN4' ' , " ,!0 ? (' ! >JJ, ' : ;QN O' ! C @D' +@ E@ ? ' ' ;KNP
8 ' & &,' A ' SS 2' @ C' >J' +B@' D@ U2' +B@ @ @C@D'
J, AU ' E@ C' - 2' / *- A' +B@' @,E C @D' + ? E@C ' ;KOP' : '
(' * $ 0' , $' ,' MPO' B@' *- A+' ' B +' ' D@'
A- ? A +@D' ' B , J2' -C' C @D' *- A+

Q' % - J 1!0' 1 [' 1 T 0? D ' I? 4 Q' C' 4 G'
,&' , 0 ' - @ A.' A@+ -CU

U%UJ' :2 ' $. ' ' ' ' &) ' -' @>@CG' -A@' - ' B B2'
+ U+ ! C A.- ! ,>@C' +B +' C A A>-> @,G A' -CU@'
->@C' +B@' B-,@' J C -A

! C A.' 8) > I(2' 1 ' ^ ' ! 5' N Oa
' B@' + -A' - ' *- A A.' EG' ? @ A ' - ' C

;M== = 6 C' $3 - $ ' ' 0 K< ! -' B@A' +B@' +@ ? ' -C'
AG' +B@C' + ? E@C' ' +- -' B-C+2' +' J@@ @D' A' +B ' ? AA@C2' AD'
+B +' +B@G' ,,' C A. ') ;QM<' G (' ($ ' '
8;QKN(2' -1! 0 ' +-' >A +@' +B@' @ @C ' J @ @ ' - ' ' ' B J2'
EG ' C A. 2 -C A. 2' +@A@A+ A.2' \ ' ;KOL' & ' (
C $, 0 ?) ! 0 OKN ! C A.2' +B@' C+ - ' -AA@ + A. ' + -
J @ @ ' - ' + ? E@C' +-.@+B@C2' A' > B' ' ? AA@C' ' +-' JJ@ C'
, U@' -A@' J @ @' ;K<=' %' ' '? 0 ! ' O=Q' - ' ! C'
$ - E@C+' !@JJ A. ' @' - @' +B@' D@ @' UA- A' ' ' JE A.'

E ' ,&', 0

;MQ;' O (8 ' .$ %% ' 8 A' . + -A(' ' -A@' J @ @' -'
--D' ,@+' A+-' A-+B@C' ' ? > B' --D' >+' G' %&-' +B@'
-A@' +B@' -+B@C' ;Q<Q' J, @ ' AD' A +>C@' - ' +B@' C A.'
DC >.B+' AD' B' C E +B@' J, @ ' ' ' & ' ' @ e' P=' & "'
-C' *- A A. ' ^ ->,D' E@ a' D + A.> B@D' ;K=Q' ' 2 '
?) ! ' % ' $ ' Q<2' 5 .S ' ' C@JC@ @A+ +-A' - ' ' C A.'
B B' ' @CG' ? J,@2' O<NK' ' 0 * % 0 ! ' X-K
B@' -C@' AD' +B +' C+ ' +B' +C@A. +B@A' ? @ , A.+B C+'
C@' ,,@D' CJ A.' A ^) a
+ ! C > .2' E 0' 1@' Y$' ' 10 ' i ' ? ' a
f ' !# O& 9

;QO;' G ' $ ' 0 ? $, ' ;O< "@' ,, C@J C +B'
.-- D' ! C A.' +B@' 7 ,, ' -C O AU ' E@, -A. A. ' +-' +B@' @ @, '
! C) ' 8 U > I(2' ** ' ' ^ ' ! O5' ' i'
' O2a') @,- J A.' , U@' ' C

;K<Q' 5 ' ? 2: ' 2' C& - ' =K 5- C' C+B' ' E- - ?'
J A+ 2' AD' B@ @' B@C' C A. ' @
! C A. 2' * * ! (' &%' ^ ' N' " 7 O2a'
B +' C 2' -C' @C @' ' ,-A. +>D A ,' + @
' I ') ' *1) ! 0 ' < B@' E> ,D@C ' @C CD'
JJ, @D' ' B-C+' CJB A.' U@@, -A J @ @' 1 0(B@' D@'
U@@, -A ' B D' +-' E@' +C@A.+B' @ +C@A.+B@A@D' A' ? , C ? AA@C2' @S @J+'
+B +' +B@' CJB A.' A.,@' C-A' B D' A-' J, +@' +B@' A+@'
! C U ' Y ' 10H' A' +B@' @A @ - ' , .B+'
->+@C' - @C A. a' B@' ->+@C' , G@C' - ' +B@' U A ' +B@'
@J D@C ? 2' >+ ,@
;MSP ^ @@' 8 (a' ;QQ=) K (' 2 ' $ 0 0 8;KMO(
' S ' O;P' B@' E, UA@' ' G' A' +B@' @J D@C ? 2' -C' C UA2'
B B' ' E>CA+' >J' U@' ,@ +B@C' SK) ' ? ' " ! - 0
0' MMN' -+' ' B C' $> ,@D' >J-A' +B@' J , ') U A' ' ;KKO' ' ,!0
? 0 4 ' LKL O B@' C+' -J@C +-A+' -' B' +B@G' S' C B D@ a'
C@' >E*@ +C ' D@J , + -A2' B B' C@ ? - @ 2' A-+' -A,G' +B@'
B C2' E>+' , - ' +B@') U -

E ' $ ' %0

599 0 &) ' < ' "&% ' 0\>! H >* H!H5 $, = '
U A' B B' - @C ' +B ' A@' ? ->,D' ;Q<M 2 ' ' 0 0
;== O G' ? U A.' ->C' -C @' ? ,'-A. +>D A ,' A -A' ' +B'
' B CJ J- A+@D' UA @2' -A' -A@' D@' -A,G' - ' +B@' B@ D' -C' J-D2'
*> +' +BC->.B' +B@' U A' ;K=Q' " ' = .. ' ' ' * 0
' 0S ' 8;KPQ(' ;QP' @+' > ' +- J' +B@' ' , AD J@' B@C@' -'
+ ' >JJ@C' A+@.> ? @A+ 2 E@. A A A. ' C +' +B' +B@' @.@+ E,@'
? ->,D] +B@' C U A' - ' +B@' ->A+CG

' D(.0?W(+=' 1 0 $ 3 0 K$ ' J ? ? $ '

N' 9 ' ' +B' D @CE ,': a' f A@S+'
;MPL' E& # & $1 !$ ' ' SS 2' B> ' @A+' B@' ->+' A' '
C@' ,-A. U C+@D' * U@+2' J>++ A.' B ' C- U' C @ G@ '
+B C+' B ' EC@ +
D(.0? W = -') 1 A./ $ (K$ ' 1H
H 7 ! a' ' ' ' ' ' D' ' C- ?'
' ' ' ' ' ! ' ' !
$ > $ $ ' ' , $ * 0

S) ' < .) 8 .' A' B-, ' C & 0 ! 0 8;QKK(' ;O< '
C- ,@' -C' E AD' - ' , @C2' B B' ? @' C @ @' - @C' +B@'
B->,D@C2' AD' -' D- A@' >AD@C' +B@' C ? @' SM-S ' .)
C! ' "' 444 ' ' ' =MO' @+' +B@ ? ' B @' +B@ C' D A ' -' .-,D'
' C. @' ' +B@G' , -' >AD@C' +B@ C' C ? ' C- C- @' - @C' ? @C'
D@ 2' C @ @' ;MPL' " ' 7 ' +C2' C ' &> ' $ 0 S,2' ;MN
C@ +' B A ' - ' .-,D' C @' E->+' +B@ ? ' ;<NN $!"'
2 ' OM - ' Q = ' D@' C@D' C EE-A' +B' .C@@A' @D.@'
+B C+' B ' B@ +' C @

' D(.0?+ ' $0 1 0 K$ $' $' Q*' . * I

! ' ' $,$ %"' 5 QC ' +P 7 -$
MSX' C ' , $ *)5"' C @' ;MO;' ' ' 3 ' 5
E $ ' $' PS;' , @' G->' C- A@2' AD' J>,,' ' C @' %,- D'
->@C' G->C' D > A@' @' +-' B D@' G->C' >->C' C- ? ' ? @' ;Q==
+C' ? & $$ >' ' 0 ' O<P # @C' ,,' +, @ @' ' @S+@AD@D' +B@'
%>+ ,@' -C' C G' !U A

2 / ! $3 ' ' 9
D(0 ? D(* 4) Y=& .$ ' ' b' '
/ M 2 2 2 / / _
$ K $ ' O$,$ %, & ' 3 ' "' $
' $,$ % ' ' ' ! ' > $ $' ,$ Q
%,$ & ' ')%<%] ' ' A$ E $.$L
O' G ' ' ' 2 D ' ' $

' ;=NN +C' ' $' , 0(' <& 0 & .0 KM +GA .@' - '
E, -- D2' A-.B+' EG' -J@AGA.@' - ' @GA@' 2' E>+' EG' C ->A'
- ' ,@ B' $/JJ ' ' $ 0! ! ' ' ' 8;P=;(' M;' A'
B +' ? @? E@C+B@' E,->D' ' . +B@C@D2' +B@' E-DG' E@ A. ' GC +'
J->C.@D' EG' C +-A2' +B@' .C@ @' ? G@' E@' >C@D' SM-'
' ') ' C! ' ' ' S ' SS ' ' ;' P=P2' ' AA-+ - ? +' -A@'
? AA@C' ' >C@' EG' G' - ' ! C + -A' 5-C' B@A' +B@' E CU'
' J--C@' AD' ,@ A@' ^@+ a' $%>A' 9 ' &) ' ' ;' S ' ;N;'
, -' >E A.' +B' C + -A' - ' +B@' @ U' AD' !B->,D@C'
QPK' : ' ! ' $ ' > ' 1 0) 0 8;QQ;(' =Q' B@ @' ! C Y
+ -A' JC- >C@D ' / B C. @' &%' !@C> ? ' 5ZO0'
' !SS ' 7 B ,@' B ' B A' > + A@D' C- ?' +B@ C' X -C' , +@C ,
C +-A' ' ;K<<' !!1) E ' ' " 0' ' =<M A'
? @' @, A.' - ' +B@' +-A. >@' AD' +BC- +' C@, @ ' B ' E@@A'
. @A' EG' C' + -A
% (' ;K ;2' ' Q 7 ' C& > ' . 0 ' 3@ ?' L= " @' E@. A'
+B +' G +@ ? ' - ' , +@C CG' C + -A] +B +' C> ,' D @ + -A'
- ' E--U? UA.' ? @D - C+@ 2 B B' ^@+ a
N$,&' , (' ' ' / ' ' ! ' '

' !2 2 $
;P=;' $ ' 1.)' <)" &) > ' A) 0) 0 # * E2 1@'
->.B+' +-' E@' U@' @C+ GA@' CG G- A ' @CG' D@J@' +B' +B@'
C -> ' $/%A' B.. ' $!0 &) ' ' 0 ;Q' @' >J-A'
+B@' ? @ U C -A' E @' ! U@' 4P<< ' 3 ' +C' <$1 !3
&) > ' ? .0 C " ,. ' %1W(%# B@CEG' B ,,' +B@' C +-A'
E@' U@J+' -J@A) ' ;MMN' 5 ' ' +C' ' ?!$ ' ,> ' $ 0 LPN
B@G ? I) @' A -A' A' +B@ C' @2' +B@A' G A.' .> ? ' -A '
C@2' B-,D' - @C' +B@ C' @' +B +' ? - U' ? G' -,->C' +B@' C Y
+ -A' ' $> A' . U' . 8 ' < &0 ? $ - $ "' ' ;LK' 7 B- @'
@' ' C@AD@C@D' ? -C@' D .C@@ E,@ E@ ' EG' D@@J' C Y
+ -A' - ' +B@' ? J-$

D(0 ? D(*70) G ? 1.$ K $ - & 0 0 ,$ %'
& ') $,$ % ,$) "' P ? ' $./ (' ' O/
,$ % ' ' ' ! . ' ' ' '
:$) (' ' ' ' ' ' ' / '
' 3 ' ' ' 2$

+MS' 9? C ' ,$ % ,$) (' ! C +-C2' -C' ! C @C' A'
A +C> ? @A+' B@C@' A' +B@C@' C@' ;K' B C J2' B@@,@ 2' +B@' B B'
,@+' , -@' +' -A' @' D-@' C @2' AD' ? U@' A -A2' A' ? AG'
@>@C' ,,' *) ' @' ;ML=' ' ' 0 ' 5 * 0) 0
SSS ' P=' 5-C' +B ' J>CJ- @' & C@>' B +B' A' A +C> ? @A+' B B'
E@' ,,@+B@' @' ! C +-C' +' ' E-S' B@C@ A' C@' +@A@D'
? AG C- AD' B@@,@ 2' B CJ@' ' JB,@ ? @') ' B@' B
^@+ a' ;Q;)' +C' C ') 0 8;QMK(' =NO' B ' G@Y
EC> B2' -C' C +-C' ;KQP' +C' & ' N - ' " ,!0 0
4 ' 4;P' B@' > @ >, C +-C' D@ @D' EG' % ' 3 G@C

E2' 8!@@' I>-+ (

;KPK = ' 5 & 0 50(' ,$ % ,$ & ((0O' ' A +C> ? @A+'
+B' ' E,>A+' @D.@2' >D' B @ ,G' A' +B@' -J@C + -A' - ' +-- +B'
@S+C + -A2' -C' @J C A.' +B@' > ? ' ? -C' C- ? ' +B@' +--+B

' ' 2 $
KM+' B) ' $ 0 0 8;KQ<(' =L=' B@' C +-C' ? G'
E@' -A+' ? A +@D' EG' -A+' +' >' -A@' J@C -A' >AD@C' +B@' AY
,>@A @' - ' GJB , ' AD' -A @G' +B@' D ' @' +-' +B@' A@S+
;$ ' , (? ' E ' 1 (
;QQM' 8) ' $ - ' & ' ;O O G' >++ A.' +B@' >C @'
- +B@' ? @ D- ' +B' A' A +C> ? @A+ ,,@D' ' ;KS='
66' ,0 . ' "' MQ' B@' C +-C' E@ A.'
CD 2' +' @) ' +' ? @2' > @D' +-' -,-- @A' +B@' ' A@ @ CG
$ ' 1 ' D ? $
$>& ') ' !$ $' ' K= 7 B +B-' +B@' C Y
+-C ' -CU' >J-A' B ? ' ' ? A' ? -C+' ,,G' ,@D' G' EG' D G

D(0 ? -<') ./0?0$ $ K$ ' + ' 0
H +E%$L ' ' ' ' 3!$

DC @+B'
! ' C! $ 0 & ' MQ
' +B +' E-DG' E@ -C@' A' ,? A U' 4Q<Q ' ' ,!0 ? 0 8@D' L(
4 ' ;ON ;' B@ @' ^, , @ a' E@A.' J, @D' >J-A' +B@' C Y
@D' J C+ ' ;KQ<' # & $ ' ' *' ? & !&% ' ;KP' ! - ? @'
--+B A.' - A+ ? @A' JJ, @D' +-' ? G' ' C @D' , ? E

! C @C',=J=- 0?(((/' 0?' : ' ' ' ': G
' #A@ B- -C -?@+B A.' B B' C @ ' 0
$$P6 %%0
;PMM B ' , &' ' /' *' E2 &, G +@C' ? U@C 2 ,G +@C
.@>@C)' C @C 2 ,@++@C ' - +' - 'E,-> 2 \ ' ;MKL' . '
& '(;Q<'% +C X@C 2 -C'! CC, G@C ' ;KPP
'8 KK-('=NL2 'B @' ,? - +' A B@D' - ' A' B B'
'B @C@,@ @D' ?G' AD) A A+' ->,' +B' A @C' KM'
'C ! *'S *' B@C@' ' A' C' - ' B -A' A'@ @CGY
+B A.' B B' / ..@' C +@ 2 2 B B' ? U@' ?@ JC@++G' @C+ A'
+B +' / ' ' ?G' C @C,
: '?'
XMXS' A'%- $ ' AD' A', +@C' / @+
' ,(' A' ? J,@?@A+' -C',-- @A A.'+B@' - ,
' ' : .B 7 . ' 2' ,0 P - ' OQK2 " ' ^$@
: '%--U@C a' A +C>?@A+' ,,@D'+8@ > ,@C2 AD' C @C2 C@
+B@'E@ +' -A+C A @ ' ;' @ @C'E@B@,D2 -C' +B@' J>, @C X) -A' - '
+B@' - , ' 7 - : ' g ' , ' <) ' (- * ! - ' '=QO
? JC- '@D' ->C B@@,' C->.B+' C-A'U @C' ! C @C
! ' @ 0 ; ' ' ? B A@ > @D' -C' EC@ U A.'
>J' 'C- D' % ' !' L'E
SK)' $!"' 2 'O;' # +' P P' # C' A@ ' I> A+ A @'!+B@'
C @C'2 B- @'-J@C + -A' ')'+B@'C- D G'- '+B@' B ?@'
? E AU?@A+' 'C@? U A.' ++C +' -'?> B' ++@A+ -A2 SJ-C
'$) - ' 5 :>A@' q<Q 0 ! C @C JJ@ C'+-'B @' E@@A'
C +' A+C-D> @D' A' A., AD' A' ;KK=' AD' +B@ @' ? D A@'
-C?' @CG' ,> E,@' D*>A + '+-' +@ ?'C-,, A.
! *D F C'8 U @ C D,(2 0 , -' M K' - CC G' I '
5 ' % ' 8 'L =+B' ' A' " +X / C? (2 D', +@' '
% ' ,+@C@D' -C?' - ' % ' +-' C G2 D'
C' $,$*% %%? E%C@ -CD@D' A'+B@' @A @ ' '+-' C + B2
A'->C A@2 U@+ B', .B+,G2'+-'D-' AG+B A.' , .B+,G'-C'
,- @A,G'" 8 ' \ '! (2 ' J@A@A2 +,+ 2a
' ^' m B @ ,G' + ' - ' ? U@' ' A>?E@C' - '
C + B@' -C' ,) B+' A -A' A' 8 ' J-C+ -A' - '+B@'
E-DG2' ' ->AD(' "@A @' ' +-' - @C' +B'
C + B@
'9 ' 1.)'<$!" '% ' $*(5' 2 1 ' +' JJ@C@'J ,@2
' +' ?> +'E@' C @D' AD' ? D@'+-'E,@D@' ;PK ' B '
B ' ' '8 CE ('=L' 1 ->' ?@'EGD2 #' &C A @ @2 +-' CC G' '
@ +@C@D'-,D' - C@' SM-S ' .)'C! ' " ' SSS ' ' '==N
/ @C 2 +B' ->C@ '+@@+B' -'+B '@CJ@A+2 C @'+B@' .>A '
- '+B@'>JJ@C' B 2 A' @'+B@' +@@+B' +B@C?A'D-@' U@' ;MN=
$ ' 8) ' $1!' ' !* 0(,$ % ' +-' , >A@@2 -C' -J@A' '
-C@' SMM' 3 . ' $!, ('; <' 0G' A >, >A.2 ! C GY
A.2 AD' ? U A.' 'U AD' - ' A)-A' A+-' +' ;Q=< - .) 7'
& - '"&' '>' S2 B@' J+ A 'E D'B ' @A' ' C @D2 SG)S
.. 'C 0 C ,0 SSS> '8;QQ<('OK 5 S A.' B@C' A E' ?'
'B ' A+ .-A +' ' @2 B@' C @D' ,' -A@' D@' - 'B ' A- @'
4QKK < ' ' , ' %'C(' 'PPO B@G' B @D' +B@ C' B !C2
AD' C @D' +B@ C') @ ' B 'C 0 - 'S+
8;KQK(=P< B@'E-DG' ' C @D' A'B-C X-A+ ,' E AD ');KQM
$' ' 0 ! ' 0 &,0 4 ' ;M< B@ @' J, @' ' @C@' - -CD A)G'
C @D' >AD@C' +B@' @+B@C' JC G' ;<NK ' ' ' / '$- C bC'
0 ' ';K' B@',- ,' J A2 8 B->,D' E@a'C@,@ @D'EG-)'
JJ, + -A 2 J->,+ @ 2 C C A.'+B@' U A'^@+ a
$' % SKM+' < ' !$ ' 0S ' ;<K ' ' - @AD'B@C2
B@' ' >C@' +-' C G' ?G' +BC- +' +B' E, U' J@JJ@C' D @'
A@S+'D G
U ' - ' ? U@' -C@2 ->AD' , -2 A' ?-D'
> @2 +-' >E*@ +' +-' ?@C ,@ ' C+ ?
S)' B ' ' ;;'8 CE (PP' B@@ @' --CD '+B@GC@'
, A+' ->CC D.@'D--@' CC G@'D) J,G' QS=' * , /' - 'P<P'
J M 1->' B @' F> C+@C@D' ,,'+B@' ->,' A.> .@' >J-A' ?@2
+B +' ->,D' E@' C ,@D'->+' - 'O ,, A. . +@2 +B->+'UA- A.'
B@+B@C' 'D@ @C @'+-'E@'%>JJ@D' AD' ! C @D' +'+B 'C +@2
SG ' - E+' 3@D A ' 5, .@ , + 2 -C' +B@' / - +-C' C G'D'
;K=' ' Q' +2 B@C@ B@ >+' >J' 'C A.
.@A > ' -C' C @D' -?@' >AB) JG' C@+D ' ;KK= 0
& ' 0 2 ' ;L' !@J+' = = @S+' @@U' B@' ,'E@' B@ CD' +'
-C+E ?J+-)' B +B@C' A@' .-@ '+-' C G'+B@' -C @ ,
7 ' ,@ - +@D' +B' - '
- @C' +B' C 2 +-' C
;9Z # &' ('<$00 - ' OOQ; = ' %B@ A>+' @,D A. 2 CC+'
@D' +B' +B@'5 C @' A'E-+B' B 'B AD' @. ' S ') ' (-
LLSK =' 'O G' . ' +B' +B@' A@ C' 5, AU' ' '"++@ ! CC @D'
+B' -?@' -C?@C' B>C+' 5Z90 ' $'0 < &!0 P=N 3 ->A+'
3 -A DA- U ' ' C @D' C-?' +-J'+-'E-++-?'-A' + A-C+B@CA'
AD' @ +@CA' D@
'D' JJ' ? > @D' -C ' - A- A+' 8 ' ->AD('
9 'W ?' L' S'S,S' ;M;O(OOM 7 B B') D'
CC, D@' ->C' ->AD 2 ' ->AD@D2 +B' +B@'0 ,?@'# 'B@C'
@@+@' &C@ @A @' $%+>' 1 . ' &) % ' ? $ ' QK B@A'
C @'+B@' ->AD' +B'+B +' -GA+?@A+2 ,,' +'E@' C->.B+' A
/ ' - ' ? U@' A -A' A'+B@' E CU' - '8 ' +C@@(
)O==N' C$!!$ ('&' ' ' 1('M-S' B@' +>C.@B+' +C AU' ,@+
C @2 B +' B>?->C' @ ,>@A+' ->+' - 'B+' B@' S) ' +C'
C& $>' $ 0 $ ' 'S 'K' 0-C A.'+B@' +- U2 -C' CC
G >.' +'C->AD' E->+' ;KO=' B) '?' ' , " ,!0 <$ '0 e' Q=PP'
'+B@' +C@@' .@+' -,D' -C' A @ +@D' +B' AU@C2 -C'C-++@AY
A@ 2 +B@G' C@' C @D' ;KPM')' !$ ' $ ' LOW
@CG'+C@@ ' C @D' EC'+>CJ@A+ A@' A >')
$ ' &"0 S '8S!O.(LNN B@' A@G CD ' ^ > +C , a @C@'
A-+' A' +B@ C'E@)' ,--,)'B A.' -A,G'*> +' E@@A' C @D2
+B@' JC- @ ' ')@D' ' +' ?@ A' >++ A.' A '+B@'EC A B@' AD'
C@D> A.' +B@ A@' +-' ? ,' AD'>.,G'E> B@ 2 D@ + +>+@' -
,@ @ ' +' +B ' @ -A
' 2 % ' - ' EC@ U' >J' -C ,-- @A' 8.C->AD('
+B' ' C @C2 E' @ ; ' 8% ' I>-+2
;K;Q' AD' 3 ' = (
L '$ ' 7 'C $, 0 ,0 'O;',/!+? A@++ -C
C G A.' AD' + CC A.'+B@'@ C+B'E@+' @@A'+B@'C- '- 'DC ,,@D'
C-J ' 1 0 =MK ! C G A.'+B@' - ? 2 C +' -J@C + -A' ;KSQ
A' C 0 %@+ ' 4 4 4 ' ;LO!@ -AD,G2 'B CC- 2 B B'
' A+@AD@D' +-' 'C @+B@'>A@ @A' J C+' V'$' '" C-' D2,@ Y
A.' +' @ @A' +@C' +B@' @J@C + -A2 JC@ ->'+-'+B@'> @ +B@
.C@ +'C-,,@C' 5Z" " ' !0 0 0 T ' / @ 'KOO'! C G'
-C' >,+ +B@'+B@' +>EE,@' ' - ? ' J- C E,@
$1 & 0 4KO< < !& C' 0 1"' 2' ;<M' !U@CC G' A a' AD'
E CC- ' + -'-C'+BC@@'+?@' - @C'@ B'
"@A @' !) C G A.' ' '
O =' .3 ' $ 0 ! '8;P=;('PL'E2 @++ A.' - 'E,->D@2
) @A.' ,, D' >JJ A.2 @ + A.2 \ ' SD G' ,$"' . 0

C "'&C@ 'e' ;N +'E@ A.'+--'JC-E E,@'+B +'+B ' ' -D ', +'
@SJ@C ?@A+'>J-A'> 2, U@'+B@' > + U' AD' C G A. '+-' '
,@+B C. 'J + @A+' OQKL' B.. ' ' 'C " ,'e' S '
7U ' ;KOQ ; ; LO' -'DC 'E,--D 'EG' >JJ A.' AD' C G A.'
SKK-'# 66 ' & '=' 0 'Q=' "@' -A+C +'+-'D-'+B@ C'
J,->.B A.' AD' C G A.' +' -' ?> B'J@C' C@
$ 10 OP<< ' 3 '+C' <$1 ! &) '?.('C " , . ' gLSS
! C G@' +B@' U AA@' - '+B@' +>?-C +B' C G A.@' A +C>'
?@A+@ ' ;KMP &- 0 $ ' ;P' 3 C 2 -' +CG' B@+B@C' +B@'
C G A.' JC- @ ' ? G'A-+'D-' ? -C@'+-'EC A.'! ->+B'% C-, A '
E U' +-' +B@' 6A -A'+B A'^@+ a
*21B !:E '$ 0 ^ ' '$0N'". 'O a' ? D,G
SK+-' ' 8 . ' E ' ,0 &) ' "' S ' ;LL' B@' , .B+ '
B@,D' C G' - +' E- @'+B@'B@ D' - ' A'@,D@C,G' -? A
*21 !)4 8 U@@ C a(2O) ' 1(^ ! X ' '" 7 V'
B@' + -A' - '+B@' E'
4PQL KN B ') 1 8;KQK(LO -' C A.' +B'D-.' ;PKN
0 C "' &)' ,' ! ,& 0 ' ! CC A.' AD'D@E CC A.' - '
+B@' , ? ->AD' B@ ' S SX 7 !' *& ' - '00$0
C .6 A.2 C G A.2 U C A.' OKP' ' 7 ' # ' & $ '
<$ 0 0 'G2 ,$ "' 6' ' E@ +' +-'@?J,-G'E-G ' -C +B@'
B-C+' + ? @' C A.' 'C@I> C@D
*21 !)4' 8 U@) .(2 **!0 $(^ ' ' ' i'
V ;G A +' C@'U +@CC G A.
S' = . ' %& - 0 '7U' ;KP;' ' 97 ' ' +@AD@C'
3 -+B@C' + U@ ' B@C' %B ,D' AD' B-,D'U' - @C' +B@' J ' +B'
CC A.' -CD '+B +' +' ? G',@ ? '+-' @ C@2 B@C@'D A.@C'
[h97 < .) ' $ 0 ONP ' B ,D2 B@A' C A.' ->AD'
?-,@ +2%" A. 'D- @' AD'D- @C'+-'+B@' ? -+B@C' 'EC@ +' ;KSL'
.) 7' %3 , ' '" B' 'C>D@' AD' C A.' A-+@2 ?G'
C @AD' SKGJ' 7' < ! .)' < - $ ' "' ' ONQ @+' A-+'
-?@A'E@' A.B+@A@D'EG'+B@' C A.'A ?@
'*21!N! : ' !L0 : ' ' 31 ! : ' ' 1 E : '
0@ M4@ / % C.' < ' ,$ &!$' 0A)2' G'
,$ &E($ &! ' M 1% : 1A %)%A '
@S #-' +C' ' , $' ' 0"' <& 0 & 0 QL' 7 G,D@',@+> '
) ' @,D ?@A' ,@JGA' U C -,@' ;=O' 1 0"' 0 C 0 O=
@+> ' ' > .@2 +B +' 'G ,,D' C -,@' I I %' < ' 1$!!
'8;PO<(2' AD > ' '@ADG>@ ,+' +' -+E@A G @ ,,@D
CG-,@' XP<Q $ $#) C b SS OOO' ;MPK .. 1 !
,$ &! "' 'U AD' - 'B@CE' -+B@C @' ,,@D' EC- D' ,@ @D
@AD @' ;QOL'? $! % ' $- 0 0 ' ') C" -', @ @
' I> -CG2 / AD@B-A2 AD @' -C ! C -,@
*22 8 U) C) (2 ' ?& 0 ^ D' ? -D' '
,,,) "' - '-E >C@' -C)A :' f' B
);QKP' = ' 3 &) $)' '?& 0 SS '8OQ<=(LKL' B@' ,@'
A' +B@' C+, E-U@' C@' C - @' -C C ..@D' SK-M < .1
? 0 ?& 0 #;' ,> ?@' C - @' SKKS ' A' " '!0 2 0
&,0 4 ' OQ< !+ J+,@ ' , C.@2 EC- A2 D,@ +- D2 C - @'
!"* 1 ! 0!C' 1 0 L6-* D'?701 =7?
WuJ ' 9 37. 6' %C 0 '8SKK-V=<'JC',@D@A')'B@?' ' C -+B'
+-,@A' C-' '@,DC 'EG' J +@'+-'C-EE@') @' ?@A'E' E@..GA.@'
PPN' $ ' '?$" ' &) ' 'O' "EV C@ +' > @'B +B'
A- '+B@' ! C -+'+-' @J@'Z,' &'E@ ,@' +'
! A - A ' 8 U@) (2 2 ^ D' 5 ' ,$)5 ' D'
?-D ' ,$) ' !% ! #!0'$06
'?& (" A.' 'DCG' AD')> F@D')J@ C A @
SK-M B ' 0 ' ' 0 " 0 $ 0 ,, ') ,' @C? 2
,$ &) "' DCG' AD' C . D2 ' 'D@ D' ;KS;< C$' && $"'
,$ & '! $%' A'E-+ AG' X!G ' # %C $! -0 ?& (;;'#9'
B@' C -+S' J@C A+B'EG' E D 'D @'#CD@C' !%)' ,$, $ H'+ '
D + A.> B@D' ,) ' XKK 'M' . . I ' A' $) ';h'
>. 'LQO B@' -C-,, ' 'D>A' AD' C->
/ ' N&& /' / CG2'A-+' ,@ BG
K S ' BB '+C' &D) '3 $' &' ' '=<' A' -?@' >? , '
+B@' + - A. 9' ' C -> ' C+,) -->2 -C' JC- D@D' +B' '
-CA@->' A @ + ?@A+' 4KQO B 'V " ' 0 - 0 ? '=Q
7 B@A' +B@' B C@DC' -C+' - ' @ +B@C' >+@" ' -C' J, +@' C@
C->.B@A@D' C +B->+' - > '@,@ + -A2 +B@' +@.' ' D'+-EEC@@'
EC->' -C' C->
218 ! !%'03 !!%.'$r 56') %U' ,$ L
@@'E@,- a' &@C+ A A.' +-' +B@' ,$ - (' + C E@
.C->AD E@@+,@' % '+B@' - ? ,G' $ $1 % +GJ @D'
EG' +B@' .@A>' ,$ 0 ! -' K C + D ++2' 'E@@+,@
- '+B '+C E@
: '. $ & ' $) '$'?& 0 - T M 5"03
'$) '/ @':@ A2 AD' -?@'- '+B@'-+B@C' ! C6 D A ' XK)'
') "' 0 ' ' & && 1 ' .@A> 'J@C+ A '+-' ' C D'
@ + -A'& <$ $1 , 0
*21' 3: '<' 1 0 $ c H' ^% ' 1 1 " !'
/ & 09 0' 1 ' $- 0 - ' ++@C2 D J@C @
C)X=! -' &!!' A'S ' * 0 0 0 & - - 0 !G ('OKN ;'
5-C'+E@CEG'E@'+B@'5C@A B@?@AA@C B@D2+B@' A.B) ?@AA@'
J- @C@D'+B@G'? .B+,G2 @ >C@D'- '?@A' \ J@J,@2 @'D +C- @D'
+B@G'+-'. D@C)' @' >ADC@D' CU@,@D
! - C, DG' 0 S, +2' -E ' ' . ' 1 0 AD' $0
'! C, + ,2' ' - ' 32 0 " A.' +B@' JC@Y
*>D @ ' B C +@C + - '+-B- @' B- 0 C'+B@'T' CY
,@+' ' - ' 'D- +-C' - 'D A +G'-C',
);MQ ' 9)' % ' ' "' ! (' 'O=L' IBC' %,@CU , XG' AD'
D,@2 C, +
*21 :1 !)1'8 U C,) ? ('C$ (, -'< - C'
,@+8+(A ' ^ ' ? -D ' ,$!$ '$'8!GD@AB ?' .'
' + ' ,$!,E '$' 8> @D' EG' A @,-++' A' ;POQ(2 @?'
- ' ,$!$ '&' D* 2 D ?' - ' ,$!$ &' . ' % '
5 ' ,$!$ ' (!J 2 &.' ,$!$ ' ,)H T' .
S ' 8& -) , C,G' - +@A' ? JJCD @AD@D' D@Y
A-+ A. ' ? >D@C' -C?' - ' +B@' D @ @' +B A' +B +'
D@ .A +@D'EG' +B@' @CA >, C' +@C? (
OKNL' 0 " - E'4 '=P)'!@ @C ,' B ,DC@A' @C@ ' @ X)' +B'
+B@' ?@ ,@' AD' C, >A ' OKSL'9 . 6 ' 0 A' % '
;KLK ';L4 #A@' - ' ->C B ,DC@A'B C A.'B D' +B@' ! C,@+'
+ A ' ;K=P' ' +C' - & ') ' - 0 - 0 ' LNN
&@C -A ' > @C A.' C-?' C, + A ' ;KML' 3 ') '
! $'& > ' & "' ' ' ;M' ! B@' ,--U' ' B@' @C@' .- A'
+-' 'E ,' -C .- A.' +-'B @'+B@' C, + A '
$!!) ' !"' ;KOL' = ' $1! ' &!"' !! $ ', '=< 7 -@'+-'
9 A. ' B@A' 5C@@D-? ' @ @C'#A @'+>CA' A+-' ' !),@++A ,
*21 :1 !)1:'0 31!:1 ! 1:.'1' 56$ 2 :D
0@,-A. A.'+-2 -C'C@ A,+ A.' C-?2 C, + A

SKMS' K 2' C $, (0 MKL' "@A @2 -C A+' - ' >+ -A'
+' +B ' + ?@ @'? G'B @' +B@' C, + A ,' DC- J G' ;KQK '
8 ' &$' ' 0 ;LQ A' C, + A ,' -C@' +BC- +' +B@'
,- ,'D @C@A @' C@'A-+' -' @,' ? CU@D
21 :1 !)!6 / ' 8 U , + A)?(2 $0 ^ '
! 9 'B' "F D6 V' $@ @?E, A.' +B@' , B'
-C' @C>J+ -A' - ' C, + A
;KMM ' C ' ,0 0 8;KKN(;N=O ' C, + A -C?'
@C>J+ -A' ;K<< !!1) > ' " 0 0" 0 MP C>J+ -A ' - '
+-S ' B C +@C2 @CG+B@? +-> 2 C, + A -C?'^@+ a
*21 :1 !)!) ' 8 U , +CA A(' ^ '!# $ '
B a' B@' BGJ -+B@+ ,' A @ + -> ' JC A J,@' - '
C, + A 2
;KK= ' $$ A' *0 0 < 0 !>JJ, L=' 7 B@A' AG' XG? -+ '
? B@C' > B' ' C - " A@2 C, + A A@' -C' +GJB A@' AD' + '
G' A+-' ' ,, .@' -C' +C@@+2 +' ' ?-C@' , U@,G' + ' C-?'
B-> @' +-'B-> @' OK<Q !!1) > ' " 0 0 ' ;M=' '+-S A@'
B ' E@@A' @S+C +@D' C-?' +B@' >C A@' ,' B B' +B@' B@? ,
-?J- + -A' B ' E@@A' @C+ A@D2 AD' +-' ' B B' +B@ A ?@'
! C, + A A@' B ' E@@A' . @A
*21 :1 !) !%' 8 U S, + ? - D(2'$0 AD' 10 ^ N; / a'
1' $ B0 " A. +B@' JJ@ C A @' - ' C, + A 2 E' 10
#A@' - ' ' .C->J' - ' CG+B@? ' B B' ,- @,G'C@ @?E,@'
C, + A
$ - 77 'C ' ,0 0 8 KKKV ' ;QO 'D > @D' C, + Y
A- D'@C>J+ -A' 5? 1) " 0 0 '=M= B@' C +'
.CJ+IJ B B' +B@G' ,' &>+@-,- D ' AD' ! C, + A- D' -?Y
JC @' +B@' @CG+B@? ' B B' ?>, +@' +B@' @CG+B@? +->'
@ ,+ @' @ @C ' A' ,,'+B@ C' + .@
*21 :1 !) ' , +CAD (2'$0 ^ ' . "'
'i' -> a' @ +@D' +B' C, + A
S)' ' 'C $, 0) 0 : ;=4 ! C +A-> '+-AC ,
! - ++@2' -E ' -C?' - ' ' 10 AD' $(
+' *21 :2' 1 0 , -' P' KU@C@,8@' ^ C, @C'
(' . ' ' ' '* @@' " . #' ' C@ C-
,'4==N C & - * 0 C$ 0 =PQ O !U@C@,2'!$ $' ,'4=KN 7 A B2
U@C@,@U' ;=KL', $ 0 ' !0 LO; O ' C@' -C' ,@?2'!$)$0
*21 : 8 U ,)(2'$0 ^ ' 1!' ;'". a
; ' ,- A . 'A -' C'2 , U A.'E,@?)
$%J+' B ' 1' ' 8 ' !&2 - 'D%' &' ' / 'O2 ? D +'
+B +' 3 @' - '$> A@' +B@G'D D' ? U@2 ! @' AD' ,,' CC@'
,@ @'G@+'C@? A@' ?G' 3 AD@' 4KML'C& 10 $ &' ')'
B@' , A. ' A) ' C@ ' AD' >AE ,,@D2 ' +' '
B D' A@ @C'E@@A' +-> B@D' EG' +B@' E>?E) J@A ,' - 'B@' >A'
$ OA' = I ' ' ' & %'&) ' &'D0 :'S 'OOM " 'JC D@' A'
C @ C A.' ->AD,@ ' AD' C,@
/ ' @ A.'A-' C
;KOL' ")$' 'S ' SSS 2 J A.' +B' ' @ ' , .B+'
C() ' A@@C
*21 : ' 8 U >,@+(2' 10 AD' $0 5 -C? J `3"'
D +2 U C,@+V' =' C,@ + ' @B C,@++@2' = M2' K
@ C,@++V P' - C, ++@2 C, D2 U C,-+2 nM - C'
,-+2 U C, +2 P2K' U C,@++G'M' C,@++@2 U C,@++@2
U C,-+@2 P ' C,@+' ^ J,) + ' ' #5
,$!, ' E' @CA'8?-D5' $! E +' '&C' ,$!$'
? + 3$ $' @? ' A' 5C2 AD') 'C@ -CD@D' C-?'
+B@' :O, ' ' +B@' -+B@C' 9 - ? ' C@ , +@C' !J 2
&. ' $ $ ('^$ $(,+' ,$!$ &(?@D4 ' ,$ .EG'
4+) - (,$!) - '8;ON=' A' 5, * $' & ,$'
L<L(' A' @A+2 +B@' -CD' JJ@ C ' ' # ' .$!$ "'
.$!!$ (3 " ' , $ (A$5!") & T -0 , $!$:'
, -V +B' @+G? - E) X? .' ,+@C + -A' 8 ' 10 (
>1 <0 , , $, = '(3 2 / >' , $!$. '4"% ',
/ ' $!$ '(! ' .$!$.$'(@,' .$!$.(.$ 3'
$ "0 5C-?' +' C@' JC-E) ?-D' C' $- * & (
%B>C B' !, ' . E$ " ! $$0 . E % 0 . ! 0
'+B@' # " ' ,$!$ $'"' A' '.,- '@SJ, A@D' ') -CA'
= $! H E@' D@A+ ,' +B' +B ' -CD' 8+B@' A+@CJC@Y
+ + -A') @,' '+B@' -C?'E@ A.' D>@' +-' J)) C' @+G A-'
,-.C(B' ' +B@' @ C,@ +' @ D@A @ - ' ' +' @S +@A @ '
B CD,G'J- E,@' +B ' +B ' # " ' -CD' A' E@'+B@' ->C @' -,'
+B@'$-A>' ECA+ ' B@' JC@ , A.' @ ' '+B +' # 5 ' ,$!$ '
' A' U) +-A' - '&@ ' D! (D$! ( ) ! (
U AD' - 'C B' ,-+B2 'D@C + @' - ' B D' JJ@ C' ' "
#69' %)@' EAA' $D ! (. @A' A' -?@' C E
D + -A? @ 2 '? -D@?' AD'JC-E' D-J+@D' C-?' -?@' >C-Y
J@ A', A.> .@ ((
10
+)+' A' @ C,G' > @2 -?@' C B' ,-+B2 - +@A' - '
'EC .B+'C@D' -,->C2 E>+' 8 -CD A.' +-'5C 2 3 />22
AD'?@D ' ->C @ (, -' -?@+ ?@' - '+B@D' ,->C
')J@C' 2 E,>@2 .C@@A2 EC- A' 1 0 E' A', +@C'
> @2 ,-+B' -C ,-+B A.'- '+B@' -,->C'D@ C E@D' A'O
,$! ' ' ' $ ' ' = 0 ' " &' ' 0" @+ (' ,-+B'
+' DG@D' - ' ' C,@+' -,->C 8 '< '10 ' ;8' AD' 0 B
$0+0 +' 'D->E+ >,' B@+B@C' T' C,@+' AD' .C@A@'2 C@!>@A+,G'
- >CC A.' A' 3 ' J-@+CG' A'D@ C J+ -A' - ' J,@AD D' ++ C@D'
-C . A +@D' A' ' ? >AD@C + AD A.' - 'E 'JBC @
,'OOPN $ ' ;N' A' 0 0 ,0 ;MK' +@ ' ++@+' BC>D'
' U C,@+' AD' 'J ,,@' 40<Q $ '<. B 'F ' 0 KL<N '
C-E@'B@' ,@+' B ?' J@'>@C +' - 'E,-D'C@D' C,@+' ;L
V(' ! 0 =<KQ " G' -+B@A' B@?' +B' .CG' AD'@C?GA@' ?+B
-,D@' AD' ,>@C' AD' U C,@+'J@C' GA@' ;L2')1) ' "
C,@+' AD' .C@A@' @' G C->*+2 ') & ' 0 OP=KL'
85 C (>aV@C U@' 'C C,@+'A@' .C@A@' @'J>C+C >@D' +@)'
,'4LKN ') - 10 =K=' AD' @'B A'B@C' C,@+@ '\' .C@A)'
'@,-J@' - '+) ' ;L7' B ' &*$' ;K " 'C-D@'
!',GU' ?,@+ A' GA2 $';=NN & ' 0 L=P< AD' -A@'
B@' B@A++ ' 'B-D@' - ' B C,@++@' >,@' C B@' ; = ' < '8'
$ 2 0 K<<M " G ',G??@' @C@'E C@' AD'@>G,,'E@ @GA2 B +'
-?@'G?@' @C@' A' C,@+' A'.C@GA@')O=ON" ,E%
0 0"' 'SC ' ;K' 7 -' ' -' +B " @' .C@)' +@@2 +E +'
,-+B D' +B'E* ' AD'JACJ>C2 AD'C@@D' C,@+' & '3
"' 31 0 =LK B@' @ D'$@ -CD-C A @C@D' \' D@'+B +'
)@'G'C >,D'A-+'E@'CC @ @D'(V@C-' -C'B@E@ +'J@ @' - ' C,@+'?'
A.,-AD' $'4!LL' - ' , ')&' ' S 'OL' "> ?'+-U@'BG '
D-U@' - ' U@C, ' C JJGD' +' E->+'BG ' +?@' S) ' $ '
) & ' ') 2D' ' A' JC ?>' 'EC-D@D-+E' J G@+B' S 6'

C,@++@ SSS >' Q;P=K ' ..' &'3' '0 POE2 B@
3 GC@ - ' -AD-A JJ C@,@D A -C @A+ .C GA@D !U C,@+
$/ ' ' ' C' ,.>' &"0 L;' !B J ' EC A.' ,-+B - '
7-- 2 ! C,@+ 2 @,>@+ 2 #J >?' AD %B IU@A@ ' ;M=)' :2
= ' !"' 5* ' 31.(= >. 2 5-C =G '\'B ,'- 'C .B+
C@A B C,@+ +=P ' MM ' &- ')T"$')$) 0 !' 0
<M ! ++ A 2 D ? U 2 C,@+ 2 -E @E, A ' ^@+ a 4Q)
B ' 0 C $,') 7U ' 4 ' ;OL A ?E D-C2
B- @ C-E@ ' C@ , A@D +B ' C,@+ DG@D A +B@ E,--D -'
:>D.@ ' ;KP< ' !$ ' ' PN;' B@A +B@ +C>?J@+'
E,@ ' &C- , ? A.' B ' +B@ JC X@2 B-' -C@ +B@ ,@@ @ #'
C,@+2 AD +B@ J@ C,

/ ' 'EC ,, A+ D C@D -,->C2 A , A A.'+-'-C A.@
,) C &- *0 C$ 0==L ' ! ? ,@+2 -,- C@2 0 ! Z
. 7 A%/5A ! C,@+ C@@D -,->C' SM=K" $$ 9)))C2
*) ' " ' 7B B C>E @ 2 -C , 2 C,@+ 2 ,,' 5-C
+ A +>C@2 -AD@C +' $%O+ ')-0 E' 0 A 'e '
" ' 5C @AD D@? AD A.' B +' ! C,@+ ' +B@ E, AD 3 A
A @C@D2 +' ', U@ +B@ ->AD -' ' C>?J@+');QL=' $'
(' % '"& '' & '8;Q=O(OLQ ! C,@+ ' %-??-A,G
,,@D +B@ 9 A.''%-,->C' $> ' 81 '< $) 'O< B '
?- @ E,@ +C> +>C@ -' B@, @ 2 '7 B@C@ , ? A.' A C,@+
AD .-,D 3 G J-@? '@A B A+@D ' @ ' SDPM B '
C$ ' 0 ' ', ' 'O=' PL A +B ' B-CD +B@ C,@+ ' +B@
?- +' J- @C >,' -,->C' ;K<= 9 ' < 'C$ $\ '& 'MK '
C -+ N;' C,@+ -A .-,D2 +B@ C@D J-JJG - '->C B ++ @ @,D '
+- @ 'B@ G +C@ @ ' +B . J G 1 ' &'0

E ' 'J .?@A+ -C DG@ - '+B ' -,->C' A C@ @A+
> @ , -' *,0 (AG -A@ - ' ' @C+ A .C->J #' - , + C
-,->C A.' ? ++@C '> @D A C,@+ J .?@A+ ' AD DG@
$%/J # !? (' -0%& ' $ ' OLO ' B J , D@A
+B &@C A % CJ@+ 2 AD +B@ A.C@D @A+ '- '+B) B ! C,@+2
;MQ ' 7 ' ! 'C&!" $*. , ' ;QK 5-C ' ! C,@+' U@ @C? Y
, -A2 AD D@@J@A +' +B U@ -C AD A $) ' ;KP< K '
(' $- '? "05H ' "@ B D ,C@ DG ' B .B C@J>+ + -A
A +B@ D +C +' B 'DG@ 2 AD B@ 'E@A+ -A D - @C A.'
-?@ ?@+B-D EG B B B@ ->,D C@D> @ +B@ @SJ@A @ - '
C ? -A ' AD C,@+ ' ,KM '#> ((' 0 $! ,& C '0 G
" ' ' ' B@ E@ +' C,@+ ' C@ + ,'-E+ A@D C-?' - B A @ ,
,-A@ ' -,->C A.' ? ++@C SKKM +C '? ' .>' -0 &$!L
$ ' &!&) ' ;<K 'B@ C,@+ ' B @ C@J, @D - B A@ ,'+-' '
-A D@C E,@ @S+@A+ A 7--, DG@ A.

' # , -C @C@A -A , - +>?@ - ' C,@+2
+B@ >A -C?' - ' ' -,D @C2 +B@ .- A -C C-E@ - ' '
D- +-C - 'D A +G -C, 2 '*>D.@2 ' CD A ,2 @+ '
, -2 +B@ C,@+ - +' -CA A +B@ B>A+ A.' @,D
m) 9 10 M("@A @ &,,$ 0 +B@ C AU2 D .A +G2
-C - @ .A @D EG ' C,@+ C-E@

;=<M A *0 0 & - -0 $ 0 &!!0);<NQ('O;O
,,'+B@G -'+B@ SS * +B + B +B E@? C@ B ,'C D@? C,@+
)@A +@ +B@ 9GA.@ S.D!' '' 8 .' 10 - '8;KQ<(K;
5-C 5-C+>A@ ? G '+B@A2 ? U@ U A.' 'J,@ @+B B@C ' ! A @
B@ +B@C B@ AD A-E,@ ?@A2+- C,@+ ' A JC@ @C SMS-'O '
:- - ' !,.0;' 2 B '!>??@C "@ ,,'E@ -'+B@ %,-+B A.'
-'B ' -?J AG ' AD2 A@S+ JC A.2 ,,'D +-'+B@ ! C,@+
(.XY ' > C ' $ 0 '8;MPP(A-' B@ -CD 3 -C
+B B ' -A C +@CA +G - ' ,D@C?@A , -'?->AD@ AD A
+B@ C ! C,@+ ' $ / 3 B ' &) '0 'C&* ';M +@C
+B 'B@ ? D@ , ++,@ ->A+ - 'B ' ! C,@+2 -C D@.C@@ -'
% CD A ,2 SG- ' &!! ,0 , '!('L;' 7B +@
9@AA@++ ' -?@+ ?@' +@D -A /C 7 ,, '+-'%B>C B +B
B U C,@++ 4QM= 5%0 $) $ 'LK B@ J,@AD D 5-C+>A@
AD +B@ E@ >+@->' 5 @ ' -- -A C@ >.B+ EG ! C,@+
AD EG @ ;KKP ! 'Q 5@E' ;=Q L' '.--D ? A A
C,@+ 'D- A +B@ C + @A @2 S)S C& - '1"
' $"'8;K<M(;Q 7 B +? G-C B ,,'C>,@ +B@ B ,,' @ E> ,+'
7 B- @ C,@+ @@J +B@ ,--C

! ' i'1' #A@ B- ' @ C ' ' C,@+ >A -C?' -C AY
.A '' @'.' '*>D.@ ' 10
XM K G (2 &! ' XK #J@A $@E>U)' C@ -C
3 . +C +@ 2 AD %->C+ '-',> + @ -C !+@,,@D %A +AE@C 2
AD -C ! C,@+ 2 A +B@ +BC-A.@D" ,,2 ,'4MKL & $ &'
A !! '8/U' O> UB? (.0 8;QQP(;NL /-' B@ -CD '
E- 2 AD +B@ C@. CD@D ! C,@+ 2 9 '+B@ C . ? D .-,@ 2 AD
CG @ C@ G->C @C A+

E &,,, 0 &@C -A ' ,-+B@D A C,@+' ?@A A +B@
B>A+ A.' @,D 8 '& 9 10 M E(-C -A +B@ .-, ', AU
, -' -,D @C ' A C@D >A -C?
;KOQ *& ' ' $ 0 4 4 'LPL B@ B-,@ @,D ' C,G
J->AD@D ' ; '-A@ ?-A.' +B@ A>?E@C2 AD -A D@C ?GY
@, '.--D E +-' C,@++-' ;K=O '5' 7 '<&!%$ $
A $ '%, CU '<&! NB ' ;PN "@ B C,'B ' ,>E +-'% + B +B@
JC-J@C A.2 AD C@@,G E@+ 'C->AD ,,' +B@ C@+ C A.'
;K<M ' ' 8 2 ' &* ' $ 'SSS 2 G+B@ ,@ -'
C,@+ -,,-
i 'M ' A C +- C + ' +C@@+ C> A2 '3-B- U
' ' :' ' " $= +' '=LQ '@SJ@ +@D +-'B @
@@A B@C '@A ->C . A.' +B@ G->A.'E,--D 2 E> U AD C,@+
+ 'C -+ A /C>CG , A@
M ' !B-C+ -C ,$! ' $21 "'8 @@'O '=' (
SKS ' '# ' ' A $ (& 0 &,0 '//' $ A&!#'
F$ A%D ' ;PP &C A @ '%B C,--+@ '!+C E@CCG
' 'J@CB J '+B@ C B@ +- ' ,'+B@ ! C,@+ ' XK K $ (
& (&,0 8;KLN(L=P #,D ! C,@+
2' ' ? ,'-& 0 $ $& '$0
;KLO :' ' &' *0?) 0 ' & '<Q B@ ! C,@+
= 0 & '$ '%>C+ (JJ@ C A :>A@
O ' $ B0 8#C . A ,G +B@ E '> @D +C E (
' " A.2 -C J@C+ A A.'+-2 +B@ -,->C C,@+
8 @@ 'O(
OJ % B ' % >'C &!0 PP E@C -C@ '? D@ ?G
+ -A 2 ' AD @C@D J-A '?G. G@ C,@+ .G+@ ' ;=LM
A ((!! '8;KKO(;NQ ,, -' -,'+B + -BA 3@,E->CA@
B >@ ?G C,@+.->A@ >CC@D +B ? C+C->A ' ;=Q< A '
< ! '8;KQN(=;P "@ +-' -?@ A +B ' !U C, + ,-U@ >CC@D
$/+$ B7. 'C$!0 &'0 'S, 2 &>CJ->C -,->C2 J>A U
AD U C,-+@ B@ ' S KM) ' ,$ $'? '8!-??@C(
O=K ! S@ ? D@ 2 ,,' A -A@ , >@C @ - 'U C,@++@ J@++ -+@
;MLL ' ' '<& '') -0 ;' 8;M=O(;N "@ U@J +
+ -'-C +BC@@+ ,,' @,,- @ ' A' !U C,@+ @C @ ' ;MQQ 9)
% '8#" ! ('LKM B@ B A @6->C2 AD +B@ C@ + -'
B ' C@+A@ H J>+ -A ' C,@+ B E+' ;QSQ ') '=' 9 '
= 7B 0 & ' ;' JC 2 3 A@ ,0 ' - a ' -'
C,@+ D-+B2 +B '.-,D C A.@ ' ;QK=' 81 ' $.')LON

B@ G ?-C@2 JC ->' A ++ C@2 - '.C@@A2 A- '+ AG2
AD @C@ >+>?A G@+ " @ B A. D +B@ --D 2 A C,@+
B-A->C 'EC .B+ XKSM : ' & ' -"'? & '< & ';LN
B@ J-JJ@ B- '+B@ C C,@+ -+ ' SK ' 0 < & >'
& *0 *0 4 'QOO !B@ , -'A- 'B D ' C,@+ @C>J+ -A
/ ' %,-+B@D A C,@+2 @ CA.' ' C,@+ >A -C?
-C D + A.> B A.' DC@
O/OO '4 '0 ('"2 PM #>+ A@G %- +@ 2 ->+
! C,@+ "GJ- C+@');M=O = . '*&!0 - ,(7U ' ;KP;
OKN B@ A A E,@ CC->C [@ ,@ B U A.',-- @,G +B@
, U C@ A 'DC @ '- @C +B@ B@ D '- '! C,@+ &C@, + ' AD > B
C@ A -,@A+-'? A+ A@+C D+-A ' ;<NO & '&%")Q
2 ' 'L B@C@ 'A-'?-C@ >A @C ,,G E@,- @D AD D> ,
A +B@ -C,D +B A +B ' ?@ C,@+ +U A
-' $@D +B B ?@ -C AD .A +-A ' , -
$' %0 E,> B A.2 AD .A A+
;KMP 0 ->-' 2&! 'S 'OOO !@ @C ,'+?@'B '
@ E D E@ -?@ C,@+2 AD B '@G@ 'B D ,,@A SKWS
7 ' "'3 %9 ' ' 0 ;ON !B@ ,> B@D C,@+
$' %0 $/OJ ' ' , .0 (A ' 2 << O>+ @C@ +B@
%C- A@ B@ ,--U@ -C2 ,>@ A J@ @ @A +B-> AD E,--DG
C- A@ ' '3-+B@C '!-AA@ '!B ,,' ,,'E@ -?@+B@ , @C-'
A., AD ' @2 %B A.@ +B@ -?J,@S -A -'B@C 3 D J ,@
&@ , @' C,@+ AD .A + -A
O " 0 (# ' A - @A @ 8 +@C ' ' K(2 B2C g @
&,,$ 0 - ' A - @AD@C ' "@ A-> 2 D@@J DG@D
YL% J 'V0 '0 ('OPP 8 -'7-, @G(B->
C,@+ AA@ a 4M=4: ' B '$$' ' $$ * '+ONM 7 B-
D-+B -C. @2 @ @A ->, A)' C? -A2 A@+ A I>+@ 2>J-A
B>? , + -A ;MPM ' '9 ' - & (C &$ '$* 0 LN
B@ 5 A ,' > @^- '@ C+B I> U@ a2 ' ' .A - ' A A.CG -D2
*> +,G JC- -U@D EG +B@ ! C,@+ C ?@ -'' ' A >,' &@-J,@
4QN< = ' = ' ' , ' -0 =]#&+ ' 'NQ "- 'JC@ B
>J2 '+B->D)+2 @C+>@ AD 3-D@C + -A2 B@A +BG @, ' C+
! C,@+ D@@J A.@D +B +B@ B .B@ + %C ?@
E ' A ,,> -A '+-'+B@ ., CA.' @ +- '+B@ -,->C
SK -' A. ' 0 $-0 0 ;M B@ D@ +BE,- ' B B
B D E@@A !+C> U + C,@+ @ AD E,- +@D BGJ- C G
' @A@C , -?E A + -A ' DC J C GA+B@+ 2
,$! 31$ (31!& &- '31 $ (3, ,! (3,&$ (
3,&!&) (3, (3%!&2 (3 $ (3-&) $, '
D* ' C@ I>@A+ A J@ ' A ?@ - ' A ? , ' AD
J, A+
' &' *0?) %!0)' & 'OOQ B@)! C,@+
O CC@D -,D $-* & $ $ ' ' !!$(!+@JB@A (OK=P
!& C '" - !0 ;QK B@ @,, UA- A C,@+ E,- -?@D >C
C A+2 S ' '< '0 '0 ? ' ' ;O;' ! C,@+
EC@ +@D& CC-+ AB E + @ "-,, AD ' 4QN=&N& '3
& ' 0 0 ;;M ' 'J>CJ,@ C@ +2 AD C,@+ C ,@D @G ' A%OJ
' B ' A " '>'"3) '$! '8;M<Q(QK !-'? AG !@ Y
+@C @ ' @C@ D,- D D- A2 -' +> '-A@ ! C,@+ - +@D
%->C+ O> --A OMSQ ' U ' .0 8;M;<(' L;Q B@ +@
-'$-?@2 ? G B@ 'B@C @,@ +-'E@@ AD@@D +B +)! C,@+
-,->C@D " C,-+2 D@ C E@D EG :-BA A B '$@>@, + -A A>/J
" '!0)**0 ' " ' (B@ ,@ @C C,@+
, - @C@D %-A + A+A-J,@ ,G BA 2 S) ' &) ! > 0
?&"> ' ' '(=S< ;' B@ ! C,@+ ' C@D &-JJG2 S)'%->
V "' 0 - 0? ';<O O ,'D CU ' C,@+ C@ +@D2 C,@+
?->+ B@D
E ' I> , G A.' +B@ A ?@ - ' ' -,->C2 ' ,$! 3
, - &'(3 (3 -!&'0
OKKO <$ ''Q # + ' L;O O # '-,D@C @, ,- @C :- @JB
C@@A2 EC .B+ C,@+ C? -A , 'OLKM B 'C &!0 =PM
" C B- @A @C@A -'GA C,@+ C@@D OP<N 1 ' 0 A0
;L ' .--D,G DG , D A ,-+' C@D SGSX : '
&* !C& 0 7U ';QO; P;N !B@ '+B@ &, @ B@C@
:@ > 'E,@D2 AD DG D +B@ >C '-'!J C,@+ C@D SKK '<$
O< :>,@ ;N= O +' B ' ,- @C ' EC .B+ C,@+ C@D B>@
1 0 OP 3 C ';<M O 3 AG DC--J A.' - @C 2 - ' EC ,, A+
C,@+ @C? , -A B>@
! ' !J@ ' -,,- + -A ' C,@+ D G2 + ' C,@+ '
.- A D G2 A - -A A >A @C +G -S ' , @
-E @C @D EG +B@ J>E, ' @ C A.' - ' + +@ -C - ,
C-E@ - ' C,@+ ' C,@+ .C A2 T . H = ' ;2
' : E C,@+ , DG2 B-C@2 -?A2
E> @ @J +B@+ ' JJ, @D +-' +B@ %B>C B -'$-?@
A ,,> -A +-'$@ 2 S ' ; P ' ! C,@+ A @C 2
A UA ?@ -C +B@ M+B A @C 2 C-?' +B@ C D Y
+ A + @C@D +>A ' C,@+ C B2 ' C,@+ @C>J+ -A
G?J+-? + ' - ' @C+ A D @ @ ' C,@+ CD2
' J C+ - ' @ @C B- J+ , 'C@ @C @D -C J + @A+
> @C A.' C-?' C,@+ @ @C
OMLO LL A C)1!0 &!&%0 & 0 $ 0 'LM;' ^ B + +B@
,@ +>C@C B->,D JC@ B-A ,,'+B@a C,@+ D G 2 '+B@G A ?@
+B@? ' OQOO ' $3 ' - 'L< 8;QOM('P;' " @
JC@ B@D +' >J-A ' C,@+ D G2 B@A +B@ @ B A @,,-C
AD ,,'+B@ D- +-C 'eN +-' B>C B A C@D XKKK $!"' 2 '
'' :>A@ P Q A 6A @C +G J C, A @ ' ' ! C,@+ / G '
;QON :' ' ' 0 < 0? (' '8@D 'OL(MML ' B@
! C,@+ - A / G A @ 6A @C +G -' #S -CD2 ;P<Q
< ') ' 1$! 'SSS2 ;;PK B@ #U@ B B E@ C@+B
+B@ 3 ,@+ .C A@ ' ' ? ,,' +C@@ ;MNO ') 'C! '"
44 ' S ' OKN B@ E@CC@ %- >? AD>?2 A ,-,->C
C@ @?E,@+B +B@ ! C,@+ .C A@ ' ;KNQ) '
C!"-'!"' ' (2 ',' A-+ D J>+@ +B G->' B@+B@C +B@
&-J@ E@ -C E@ A-+ +B@ ! C @+ DG -'O EG,-A ;KQL
C) ' 'OL +) 'QO O @+> 'E@ > +@ @A+-'+B@ ! C,@+ DG
OKKPI : '!'9 '= !+ O--+@ "O EG ' +-CG -'+B@
! C,@+ A @C ' OKOO O '<&&> ') " 0 8@D L(
;M B@ '$' '$ ' $ ' & '$ 8 -C@ +BC- + +B C,@+
C B(> > ,,G -??@A @ A +B@ A+@C -C +B@ JC A.' SKKK
' ' ' '='' ' !)' &* 0 % 'P; B@ , -A -C@C2 - '
+B@ ! C,@+ 7 CD ' .@A OM)'9 ')')--' 3
&&"' ' B@ ! C,@+ B-C@ -'O EG,-A J A D +' +B B@C
?@A +C>->'JC- , >@ ? ' OQN< $! ') -'4<NC O -C G@+
D D +B + J +,@ + ,,' -?@>A+-'+B@@ C-?'+B@ 3 A -A
"-> @ - '+B@ ! C,@+ 7 B-C@ OK;M B 'C& >'C ! 0
' 'S-' & ('B @ @@A B@C -?@ B@C@ ,,,@D +B@ ! +B@
7 -? A ;KMQ 8 . '<O?)1!0 ' 0 7U ';K<N 'OQ=
B@ , ++@C -,D , DG *" +B@ %B>C B -'$-? @ ? G E@ +B@
! C,@+ 7 -? A2 -C +B@ O@ + +B +@A E-? 2 'G->'
E ' A A ?@ - 'E CD 2 A @ + A 2 ' C,@+ -A '
+B C 2 ' E@@+,@2 $' .$ ' ,$ '$! H C,@+

A@E2 ' !!$' ,&,, ' $ 8!B (' C,@+ .C- Y
E@ U2+B@ % CD A , E CD ' C,@+ E 2) &, -)'
)1 ('E CD -A.@A@C ' +B +B@ +GJ , 'E 2A + @
A +C-J , ?@C ' C,@+,-CG2 'A ?@ . @A +-
@ @C ,'E CD '-'+B@ & A-++ E@' C,@+ ? 2
C $,) '-)$&('J CC-+ A + @ A !' ?@C ' AD
+B@ 7 @ +' AD @ ' C,@+ ? +@2 &' 1 -' &!&3
,) - ' C,@+ ?> @,2 ' B@,, B 8 @@ I>-+('
C,@+ A U@2 'A ?@ JJ, @D +-' ' -,>EC -C?
A U@ ' -'+C-J ,' ?@C ' 8 @@ I>-+(' C,@+
J CC- 2 $'$ $)1 $T(C,@+ J--AE ,,2 C 3
$! $ $B$B$T(C,@+ + A .@C2 +B@ ')!
C" $' $)1 $' C,@+ + .@C 8?-+B(2 "* 3
,$-*$ &- ')!$0
XK)' 6 < '0 N&&!0 ' K; #A@ -'+B@ ?- + @,@. A+
A @ +' - '+B ' .@A>''+B@ ! C,@+ A+B C ' OQKL 2
" '&* '? ' :::' OQN ! C,@+ 5 A B 'AB E +' ! ADY
B , AD ' ;KLQ K 8 ('? '&%') &*' ' & 'ONM
! C,@+ C- E@ U ;QKP ' ' , ' N&&!0 2 =PK
! C,@+ E ' OQP;' ')8) ' $0 ' 0? ' ' ;QO
B@ ! C,@+ - G ' OK;' 6 < '0 N&&!0 ' PLL C Q
$,) ' $ ' 0 ! C,@+ 9 CG ' 1 0 LKM B@ ! C++ 3 '
OKOM E ' ' &-&!0 ' '=<O B@ C,@+
?+@ '8> &-1)- ' &!& , -' +0 5%"B0C !0> $'0
PNOO B@ ! C,@+ 3>M+,@2 B A.' 'J>CJ,@ @ A2 B B E@A.
JC U+ +B 'A@@D,@ G@ ,D ' 'J@C @ +' &>CJ,@ -C ! C,@+ ;>G@@
+B + ,,' A-+ E@ B+ ->+ - '+B@ AA@A D @D +B@C@ +B2
S) ' (0 ' - 0 * 0 '& &- $,&,Q
, ' $0 00 ' B@ ! C,@+ !A U@ ' 1 0(B@ T%->,@> C@ @ C, @ +2
8! C,@+ !A U@(-' * ' ' I>+@ A-+B@C A ? ,2 D->E+,@ '
+B@ $!$-$ $ ' !$* ^ $ $0 OQM= ' '6 ' '<! $'0 $0
0 'OQK B@ ! C@+ !J CC- ' OKO< 6 < '0 N&&!0
4 ' M=O ! C,@+ !J--AE ,, ' ;KNK OL' 5 (' - 0
- 0 8;KL;(' OOM ! C,@+ A .@C ' ;KLO : ' '
&' *0?) T%!0 ' & '=O ,@ ! C,@+ .@C = "* 3
,$- *$ &- ')!$(!+@JB@A (JJ@ C A :>A@
A A ?@ - J, A+ ' AD C>+ ' C,@+ E A A 2
+ ' % %% ' C,@+ E@ A f ' % ' +
C,@+ CD A , - @C2 C,@+ ,-E@, 2 4
% ' 8 @@) ."6 . 8 D ' C,@+ -AY
-, >,> 2 E ' % %% ! ' C,@+ .@C A >?2
' J@, C.-A>?' +B C,@+ E,- -? 2 , C.@,G
> @D ' ' E@DD A. J, A+ 8 @@ < BB $ AD
J O C- O3(' - C,@+ ? J,@2 2% ' . + '
C,@+ - U2 + %+ ' % %% ' 8 @@ ' ' E('
, -' + '+B@ " -,?' # U2 + %+ 'E 8 ' - C,@+
J A+@D >J 8 @@ J / , ' '=(' C,@+
J@ ' 8 @@ I>-+(' C,@+ J ?J@CA@,2 2
' ' 8 @@ 1 .' L AD L E(' C,@+
C>AA@C 8E@ A(2 5 . ' 8 '
L(' C,@+ .@2 " ' + ' ' A + @ - '
3@S -'8 3 ,,@C C!$' 3 0 ;KK=2 O=P(' , -' '
'A + @ -'OC X ,' D ' $;K<;(' ' - C,@+
@@D2 'A ?@ - '+ -'+C-J ,'+C@@ '8 @@ I>-+';KMM('
- C,@+ +C E@CCG2 AG >,+ +@D C @+G -'+B@
C. A A !+C E@CCG2 < ' B A.'
C,@+ C>+' ' - C,@+ +B-CA2 & + ' % %%
OKKP) ' ' $ 'O< B@ C,@+ E A A '
OQLO = .. ' $ 0 ('C $ &!)(B@ ! C,@+ 'O@ A
[NPO = ' ' ::'SMK !-?@ C,@+ E@ A '+B @
@C@ .C- A. A B ' - A J @ @ - ' . CD@A OM<K ! CY
,@+ % CD A , 5,- @C ^@@ E) ."6. 8 @ V' ;KPM ' 7'
"8" 3 ! + ' ? $. %03 0 5(8;KNP(OPL /C@ ?'- '+B + AD A.
B-C@ 7 B@C@ C,@+ CD A , 'E,--?] -C ?@ A-'?-C@
OKOL ' , ' & ' ' ' ,$! (! C,@+ %-A -,Y
>,> ' OQMN ! C,@+ .@C A >?' ^ @@ < B ' ? OKQN
$> +@? ' 0 ' ;MO B@C@ C@ @ ,- @C -' B B
+B@ ?JC@ -A -A +B@)'J@@ '?-C@ D@ A +@,G -' +' -,->C
+B A +B@ C,@+ .@C A >?' ;KQ= ! C,@+ -,-E@, '^@@ R
. V' OKLL ," !0 ' B@ A>C @CG ?@A >> ,,G
,,'+B ' J@ @ +B@ >+ ,@ @D! C,@+ ? J,@ ;P<Q<) '
! 1$! ?'SSS' ;;P< 5-C 7 A +-' ' + A., B A ?@2 @
B >@ +B-.>.B+ . --D +-' BC +@A + EG +B@ A ?@ - ' C,@+
#U@2 -C ! C,@+ "-,?@ #U@ ' -C ,@S 'A ?@D - ' -?@ A
A., B "-,?@ OQ;O :' # ' +C ' ' ?!&' >'<$ ' '
O=K B@ ! C,@+ # U2 -C "-,?' OKKO <$ ' ;L 3 G
LOL L ' J@ ?@A -' + B@ ! C,@+ @ U OQPL '
"$0)**0 JJ' ' 'C $(! C,@+ &@ 2 '+B@ A., B A ?@
- ' '.@A>' -'J, A+ 2 ,,@D EG AA @> '<!", ' 0 OKPP 3 + '
' !&2 0C 0 'OLK ! C,@+& ? J@CA@, OKO=Q IB) '
' ", !(<$>(8@D 'O(e LML= B@ C,@+ C>AA@C C AU ' C +
-C + 'JC-, JC-$-J@C<G AD ,-A.' -A+ A> A @ A C>+' OQPM
? & 0(,@+ !@@D ' - 1>- $&1& $! ($$ $ $ $-3
' $0 ;QKM ' $ 0 0 OPM B@ C,@+ B-?'
+C E@CCG OKKO <$ ' ;O > 'O=P L B@ ' C,@+ B- ? '
'E-,D2 .-C-> .C- A.' ?@C A J@ @
"@A @ ! C,@+A@
MX ' - . ! ,$! OO$(C@DA@ @2 C,@+A@ @
+! 'C,@+2 (' ^ ' ('
-' ,-+B@ A C,@+ '+-' -,->C C,@+ %B @ ,G
" ' "@A @ ! C,@+@D . ' A I>-+'+ A.@D
+B C,@+
> ' . ' &,$, "&'' ;N B@ D-, +->C2 +B@ +GC >A+2 AD
)B@ B-C@?-A.@C C@ A -' ?@+@ ?GA +@C -C BG?? +B->.B
+B@G E@ A@>@C - GA@,G -C @D2 JG,G-A@D2 AD C,@++@D
OM=O ' #) ' $ 0 0 '=< B@ B-,@ @ C+B '
,?- + 'J>CJ,@ ,AD2 C,@++@D AD C@DD@D +B +B@ E,->D
- '3 C+GC ' A% / ' ' = U ' ! &) & , ' OL
+ B B @ B->,D C,@+ ->C B@@U ' +B E,> B@ ' SMKK $'
$ ' - &) " ' S 8$-SE (LKO ;'5 A@ C,@++@D ?>CC@G
Q D(.04-*--@0 ' z ' (' B !
#A@ ,-+B@D A C,@+2 ' ' -,D @C A >A -C?2 -C
'D- +-C A +B@ .- A - 'B 'D@.C@@
;MLQ '5 C !1 '&'=' ? !!$-$;=O B@A G 8) C@
DG(+C>+B ;'D 'A-+ *@@C@2 7 ,,'G->E@ @DD@D +-' C
,@+@@C@ ' ;)Q 5 -' % '8#' "'! ('LKM B@ E A @,,->C2
+B +B@ E@D@,, 'E@ -C@B ? AD +B@ C6,@@ ' +@CB ?

! C,@+' @ @C' 'D7 *(K 7E=?-3 4-'<=-(=-'
< =* KE =6-< 3+' ('=D(04-*' -??470-=D- D-'7?'*6-'=J '
(<'7?'*6-' 1 D7E=' 1 - 1 30(-'7?'*6-' 1 7 *6'(<'
L6(0+ R' 4=7' J 7W '(='

+'! C,@+ +@' '&', 32 0 !%

! C @ G' '&', 32 0 0?'! $+ ' 10 Q' G'

' ! C# ' 1 0 $ ' ' - $

! C J' 8 B CJ(Z 1[' 0 , -' @ CJ@Z ^ '

! CJ' 8 U *J(Z 10' , -'M Q' - CJ@' ' AD' @@'

! CJ' ,=J(ML/' K' ??' :'4 U!' $' 0 7'

! CJ' ,=J(ML/' 2 %' ? ?'73=DE0-'70 K 0'

! CJ E-,+'8 U *JE+)AU(' *1)! ' 0 , -'

) /' -E ' -C? ' - ' ' 10 AD' 0

! CJ A@' 8 U >J?(' , -' M ,0 CJ@A@'

! CJ A . ' 8 U >J .(Z 1!0 10 ' 1' a'

Y) / ! $ ' ' '

') 5 ./000$' $0 K$ ' 0 1'* C.

;) / ! $ ' ' $ '

! CC A . ' 8 U C)(2 ' ' ! O 'i' "%'/ a'

! ! / ! $'

2') ./C : K$ ' '@'*! .' P I

/ 2$

D(0*' 8 U C+(Z 1f ' ,0 ^3 @+ +B@ ' - ' ; V

D(0*' @ ./ 1 ' $ 0 ^ ' C' ' ' ; V'

D(0*' 8 U C+(Z 0 ,0 , -Z =Z MZ < U C+'

D(0*6' 8 U CbZ 1 ' , -' = P' U C+B' ^ '

D(0*44' 0 ^ ,+@C@D' -C?'- '!) :'

A D((1= 8 U@Z C @(Z 5 ' '8 U) C (' ^ '

D(0*+ 8 U@@'C (Z$(' , -'M 8<)! $ +' 2/

[illegible]

, AD(- -E >C@ -C . A -C ? @D +B +@C + @
> S 8 @@ +!(
B AD 3 8 B B JJ@ C ? > B , +@C(C@ - ?
? -A,G C@ . CD@D , C@ J@ + @,G A-C+B@CA ? ->+B@CA
C@JC@ @A+ + @ A N I ! T B B C@ @CC@D
+- >JJ- @D @>+ C--+ ,& '0 C d Vk /$ * $
+- ++@C B@ @+ ? -,- ., , D@A+ +G - +B@ + - E
@@ ? 2 B- @ @C2 D->E+ >,2 +B ->) +B@G B @ - ?@ A +G
- @A @ + +C>@ +B + A 3 0 ,$ - >C -A,G A
A-C+B@CA AD ? D, AD +@S+) +B -A@ @S @J+ -A 8 I>-+ ;L)N2
@A @ =(AD +B + A +B -,@ ->+B@CA A + A @ +B@ 3 !
J@,, + +B B B B->,D A-C ? ,,G + AD -C 8:(0>+
A + , 8 U(C- ? # , A A + @ -CD ->,D E@ A- ,@ ;
EA-C ? , A A-C+B@CA AD ? D, AD +B A A ->+B@CA A., B
B@ ,,@.@D -.A +@ A / > AD C@ I>@ + -A E,@
- A + A @ C@ +@D - 3 / > , $ - (+B +B@
@A @ +- I> AD@C 8 ? -A@G(+- B@D 8E,--D(E>+ +B
D-@ A-+ .C@@ A EC ? B@ @A @ +- ++@C B) .A@D +-
@ C,G ? -D / > , C@ + -A +B@ >+B-C +G - 9 , A2
B- @ + + -A - +B@ A -CD C@AD@C B +@ + ? -AG
> J -> B@ / > AD 3 , $ +- C@ ->AD2 +-
, >.B >JC- C -> ,G 8 3 -A @2 +- E@ B ++@C@D EG A @S
J,- -A(->,D @@ ? +- E@ -A- ? +-J-@ +,@ + +B@ C @A @
BA-+ @ ,G E@ D@C @D C- ? +B + .A@D +- +B@ ,,@.@D
@>+ C--+ % AD * 8 + (
; $ ' 0 - D J +@2 I> AD@C 8.--D -C J- @ Y
-A (1 0 -C $, 0
,> 0 X 0 & ' 0 A : ;LQ2 " @ B DD@ S@+ B +C@ -C B@
+- -@,D + P +@C@D -+, @ , ;LKN 9 . 6 - (!@,
7 U QK 5-C _ * -CDC@ .@+@A A@ @C@ - ? G B@ .--D2
@ @+ J + ,) C -CDC 2 AD + @C@ D@@D, GAA@ +-
+,C@ '@ .--D A -C,D ;PO = D) (& 0
7 U \ <= B@G ->,D A@>@C E@ - ? D2 .C@D ,G +- . +B@C
+-.@+B@C +B + -+B@C ?@A B , ? @C@,G -A@ +@C ++@C
EC%D@ , ;M=P ' 8 .. 0 S + 8;MPN(ON= ,@ @
+B@ C@ + - ,, ? G .--D +- ? G C + E-CA D CD2 +- E@ -AY
> ? 'D -C ++@CD 8 -C A@ @C B-J@D E@++@C(2 ! Q M B
8;Q==(LOM AD + A-+ -C+B +B@ @@ A.
B >EU A @ ++@C@D2 B B ,DC@A 6 > U D@ D ^ +@ a
2$ & 0 ;KQ< 1 .. ? !$, . O=L 3 C :)]
G +B@ @C ? A G@ +B@ -A,G ?@A B- C@ A. ? , +B@
C@ + ++@C
- @J C +@ AD DC @ A C -> D C@ + -A 8
E-DG - ?@A -C A ? , 2 -,,@ + -A - +B A. (
+-) J@C @2 D J +@ 8 I A A+ +G - ? ++@C(+-
D J@, 8 ,->D 2 ? + (
2 LNN 0 ! C $! 5 - 0 9 ^S ;=a AD B@ @A+ B
+ @ 2 AD U +@C@D J ;LK 7 % 7 $ (SS L; B ,
? G+@ +B@ B@J@CD!(AD +B@ B@@J - +B@ ,-@ E>,@A E@
+@C@D ;PKO !+ + "6$! W ' 8 CE (;< / > U D- A@
+B@ C@ ,@@+@ +B +@ ? J@ +2 # C E) GD@ ++@C ;) =
, 0 P;L 0>DDA.B ? ' C ? @ D Y
J@C D AD ++@CD [P<M] ,.0 0 ; ; LL / A.@C->
C- U 2 7 B B +->) A. ->+ ? G .@A+,@ @ @, D@ 7 ->,D
++@C ,, B@C) @ -A +B@ +C@ ?@) ;P<K . 1. +C
! > 0 , 0 S =PL GU @C+ A@ -A@2 A@ C @A
+- U ? , AD U ++ C +B@ %,->D # , +> ? > 6@ ;MPQ 7
. $ - ' ,% SS =< B@ @ @ - ,D %, CG
J>+ A+- &-++ .@ ++@C -A.@ D@D E,--D2 B
* 0 & 0 < $ $ - OM ! - ? @ J >AG2 @CG2 $))
? ++@C2 !> B +B@ , .B+@ + EC@ +B - C ? .B+ ++@C
XKM-) .. <!$,0 . B. LN EC@@X@ U@@A AD B- + ,@2
++@C A. +B@ A- ;KQ; - & - 0 & - 0 S
;SQ B@ +@CC E,@ A ? @ - #D- ++@C@D +B@ ? A ,, D C@ + -A
XK) =) !& 0 && SS 6 2 7 B + B E@ - ? @
- +B@ JB-+-.C JB @A +- - ? / U AD " CCG
] ++@C +- +B@ ->C AD B @ A-+ U@J+ -A@ - +B@ ?
$ &!0 !!9 0 $ C - $) 0 0 ,$ 0 OKL + +B@
A +>C@ - +B @A@ ? G - ? AU AD ^ C +B@ / @ ,a +- ++@C2
+- D -GA@ AD @J C +
B 0 [M;L &>$%" ! C ! - $ 8;M;=(=P ! - D-+B -D
++@C +B@ ->A @,, - E @A@ ? @ ^% 9 3) &K SSS6 ^ U
;8 & - ') * ,& ' ! $ ') - 0 [KOO .. +C
$! & ' " ;=P ! - +B + "@ @A 3 G ++@C +B G D@,> -A
;KK< ?) & * 0 & 0 0 =LN - -A@ D D ? -C@ +-
++@C +B@ A @A+) C + + -A +B A D D % @C-
E ' 0 -C B 0 - @J C +@ AD D J@C @ +-
.- D J@C @D,G -C +C .., A.,G , - - B U
- .- +- D + A @
, " < ' 0 8$-SE (;PK I D U@J@ @ +- .@DC@
+C@ B + @ U +@C A-+ -ADC@ =KM ?.(0 !1$ '
E * E2 7 B@A +B G ^ %->G - J C+C @EG a E@ J>++ >JJ2 AD
E@.GAA@ +- +C@2 G@ ? - + E >@ ? CU@C +- ? CU@ - ? @ -
+B G ? b ,& 0 ! P;L A .$ - ,(,, 2 7 B@A
+B@ !U-++@ @@A ->C ?@A U@+@C B@G ? @ D- A CD@
$/OJ A 0 (6 ;OM B@ %- ? ? -A , U@ A
A.CG " >@ - O@@ B + A+ +B@ C @ D@C2 ++@C J
AD D- A@ XM - < B .. $! " ;; 8 M+ (=M B@
5 ,,@+ B J@D ,-A. AD A CC- @ JC +B@ ? -C@ - ? ? -D ->
@ - - ?@A A 2 C@ +C A A. - +B) B C@ C- ? ++@C A.
E->+ +B@ C@ EC- @ ;MOM "! $ e ;LK !->AD D \
> @+E + @, @ A C->AD O>+ +B@ !->AD2 B B ->,D
++@C A # J@A C@2 E@ ? D@ +- .-@ ,, A+- % A ,@ +
? > + A@@D . >@ .C@ +@C -C @ +- +B@ !->AD ;QQ[' ,!0
? 0 P= !B@ ^+B@ \, -Aa ? > + , - B @ + - .--D
E@,, 2 +B + B@ ? G E@ ->AD B@A B@ ++@C@+B ;Q<P
B ! LN< C .B+2 ,@ +2 B@ ,C .B+@D
,) ? @A) ++@C C- ? B J@ C ;QNM 9 7 ? (C!$ '
B@ +@ ? .@A@C ,,G D@ , A@ AD ++@C C- ? @ B
-+B@C2 A +@ D - E@ A. >JC .B+ AD ,- @ +-.@+B@C ;K Q
.. (!$ - 3 . S S2 7 B@A -A ? G -@ >DD@A
+@CC-C ? @2 AD +B@G ,@D2 ++@C A. 4NN< ? !$, . 2 0 $ 0
>. OLN O B@ > . + @ ++@C@D -C ? ,@ 2 E@ C A. JJ ?
, A. + ,@ - ? C@
. - -C
! %- $ / < 0 U I ^S a< B@ &B , +GA@ ? @2
AD +@C@D +B@ ? @,>@ *@A@+B A Gb ,,@G -) $@JB ?
$! - 0 - 0 ;OK O B@G E@) ? @
+- +B@ %B>C B@2 AD ++@C +B@ ? @,>@ CC@ C- ? ;MOP
O :- !# $ * ! & % 0 ;QP 0 " @' ,, ,@+ G -> B
G->C , E@C+G] - 0 - -C+B2 7 B +B@C G-> J,@ @ AD
+- B + - ? J AG] $ 0 ! ++@C G->C @, @ ? @ ? . +
i D - @J C +@2 DC @ J C+ 8-A@ -C ? -C@
AD DA , +B@ ? A E-DG(
;PKK . 6 A % $ * (- $ $ 8 G
$@ ! - (LP - - +B@ .C@ +@ + CC U +B + +B@ 9 A.
- ! J A E D A E ,@@+2 A@ > . ++@C@D C- ? +B@ C@ +

XXMM - B .. & (" .0 8;MMO(OL= B@ C B J
+B +B@ -,@A @ - +B@ AD @C@ ? > B B ++@C@D2 AD +-@
0-A @A+>C@2 ++@C@D C- ? +B@ -+B@C + - 3 J
i @ % 0 - D J +@2 D +C + 8+B@ AJ AD2 @+ (
[=PN [P3 " 0) $ " 5 & ? GA.@ +- + U@ B@D@
+B + G +B@ ? GAD@ @C@ @AG +BGA.@ +@C) E@ -C@2 +B@A
+- . +B@C G+ .@GA@ +- .G+A@C ;MOP O # $ * ! & %
0 2 4 --U2 ,--U2 B- ,, +B@ C @G@ / A @ +B@ C B@ D
,-E @C>@(++@C'D +B ,> + ;Q;P +C 0 V - * T (
5 ,0 S ;LK +B-> C+ E @EG ++@C@D A +BG
3 AD
$ ' 0 - +BC- E-A+ A D -CD@C A C ->
J, @
,5 0 !0 89-,E A.(PPL V- B - ? @ "D@C
@ +2 " @C @CU , J ,@ + \ G B +C@D B@C@ P J@C@
%;LKM B $ ' 0 & - 0 C &!0 0 LM; B@ J-+ +-
EC) @+B AD -A>A@ 8- +B@ ? @+ Ea ?C@ +@C@D , +B@
,--C E->+@ SKM- (.. <!$,0 SS ;=O B@ C . ? @A+
- C- U ++@C@D E->+ @C@ J-, C
i E - +BC- D- A 8 +B A.(A@., .@A+,G +-
DC-J 1 ($
$;M=N O$ 8 3 ! (8 C@ (2 + D C@ +@D +- G -> - ? @
,- @ ,@++@C2 -A ? G " @2 +B + > @ B +B ++@C@D
! - D +C E>+@ +- C -> J- + -A +- J, @
B@C@ AD +B@C@ + CC@.>, C A+@C , %B @ ,G A
* $ 0 % * 0
, 5 9 . 6 !0 . 0 " ==P 3 GU@, ? -C@ A@ @
C@,+) -> E@ U +@C>D A %C +@AD- ? @ ;P=< .. C $ 0
& 6)) * & ' 0 K B@ @ C@ G ? @ @A.@C - A+
,> +2 ++C D +B-C- @->+ +B@ B-,@ -C,D@ ;QSO 8 6
(' (& ') > O0 8;QPP(;K= 7 ,, ? +B@ %-AY
I>@C-C JC- @@D@D ? > B >C+B@C EC A. A. - @C +B B ?
+ A> ? E@C - +B + A + -A2 ++@C A. +B@ ? A @ @CG A-
A +@CG ;KLQ ,& S LOM 3 AG +C E>+@ +-
B ? @ ? -CG C@ ++@C@D - @C B C @AD -+B@C -CU
XKMK B C&!(,& ' 0 ;LN ! - , -A. -CU - C+
C@ ++@C@D +B) .B +B@ A + -A2 A- >A @C , D@ +C> + -A
- +B@ ? J- E,@ ;KKO < A ' * (? 0 [(
PKL ; + C E ++@C@D +BC->.B A ,A,+@ J @2 +B
@C .@ ,- @A@
1 ' (A JC@ JJ,@ > @D +B E - C@ +
8 J ++@C@D'(1 (
> & 9 $! $, & ' &C@ M 5C- ? D ? +-
+B@ ,->D B@ ?@A 6>@D U +@CGA. -A +B@ C+B@ ;QSM
B C ! $ 8;KMQ(;=< "@ A @C@D2 + @C@
@C@ @ @C , 5 ? , @ 2 E>+ +B@G , 'D ++@C A. A>A%
!1 > ,. (MM O G A. ,, +B@ @ C+B A+- +B@
>CC- . A A CD2 - +B + A-A@ ? .B+ , @ ++@C A.
->+ CD
. $ ' 0 - +BC- -C @AD -C+B - +B + +B@
J C+ ,@ C@ D +C E>+@D -C JC@ D E->+ +- -
-C +BC- 8 @@D2 ? -A@G2) (EC- D + +- JC AU,@2
+C@ +- D > @ 8 C .C A @(
)) ;=PN 0) 1 8!>C+@@ ( )MKO 3 -,,@ -A V `C B@>@D
+@CD ;PLN . 7 M<< X2 ++@C ? ,, +BGA.@
EC-D@2 J@ GA2 -C E@ A@ ;PLP 3) . S,
XM "@ +@C@+A G B-C@ C- + , U@ B@ ;MNM ' (
!0 A OP + ^S8 +B@ ,@a @EE@ 2 +B@ !@@D ? A
J-A +B@ , ? @ AD # -X@ ++@C B .C A@ SM))
$ 8% ? D@A(P= ! - ? @ - ->C ?@A EG +B@ 9 A. ' - ? Y
? AD ++@C@D - ? @ J J@C 2 +B + AG ->,D - ? @ A
+B@G B->,D E@ J CD-A ;N<K - (' $ = C (
4NQ B@ - @CA-C2 E@ +- B C.@ , E@C ,,G ++@CY
A. $>J@@ SKOS .. < ' $;OM B@ ? + A AD
C- ? +B@ @SJ AD@D ,- @C ! ++@C +B@ C B- CD@D A @A @
XKMS = # = 1 .. A O@C@ <$!$ ' & % & ' M; 7 @
J,->.B +B@ @,D AD ++@C B@ .--D @@D -A +B@ , AD
$1 & $>& < !! $ ' , ;Q ! ++@C +B C@@2 +B->.B
CC> . ,2 " AD
/ $ ' %0 AD6 0 , -2 (+- JC@ D 8C@J-C+ 2
JC-JB@ G(
$/>% - . 7 C$ ' & * !0 * (;;K # -G >,, C@J-C+2 AD
? - + @J+ E,@ C> ? ->C2 B B +@C@D EC- D@ SM-S
! !! . P= " J, >C >@ -CD " @ ++@C'D
A-+ A @ C@ 2 E>+ .C +@D +B@ ? - .C- +B@C@ AD +- E@ C@
$5 0 ' . $) A 8;MQ;(OP; B@ DG / @
++@C &C-JB@ @ . A +B ? $ K>>K < ? O B@
-A. +BC> B +B@C@ ! ++@C B ! ,-- @ A-+@ SKWK 76
($ ' Q= E AD .C@A D) +B + ++@C D@ +C> Y
+ -A C->AD +
- ' (-C % (
4PQQ O) F> $,6) (8;PKM(LP 7 B@A +
^&>, @a CGJ@ + ? > + E@ .@ +B@C@D -C + ++@C@+B @CG
--A@ M) # . * ,0 8;M=Q(OLL B@ O B-J
B->,D @J C +@ +B@ EE@D B@@J C- ? +B@ ->AD2 ,@ +
+B) C A @ + -A ++@C 4QON - $ * 0 ' ! & '
8;K=N(<L B@ ? ,, B-+ ++@C@D ? -A. +B@ ? ;KSQ
.. 0 !$ - S, 2 --D 7 B- @E,-- ? A - @A
,@ @ A- ++@C A. @D B@ B>A.CG +-C ?
D # .>A2 C+C D.@ - D +C E>+@ 8+B@
B-+(%B @ ,G $1 &!0
;Q=; & - * !0 $ ') C , LON 1 -> ? > + , - E@ @,+
I> A+@D +B +B@ %-AD + -A - +B@ >A) B@+B@C + E@
J+ +- ++@C2 -C CCG +B@ !B-+ C->AD +B A %- ? J
;NOL : 5 1 C & ' 2 B@ .>A ++@C @,, SKK
< <) ' =L< % C+C D.@ ,- D@D +- ++@C +B@ B-+
@ C " , (# > C @2 @ ? -J I>@ >E + A @
- +BC- E U 8, .B+(EC-U@A,G A ,, D C@ + -A
$ JJ ' . & ' 0 e =P 8;KL<(L B@ >A ,,> ? AY
+@ +B@ + ? - JB@C@ AD ,->D 2 AD +B@ @) . A D J@C @
AD ++@C J-C+ -A - + , .B+ A ,, D C@ + -A ;KKO
< A ' , " , !0 ? 0 4 PKL O A -CD@C +B + >CY
@ ? GE@ ,, > ? A +@D 2 + ? > + E@ J E,@ - ++@C A.
,) +
1 - JC AU,@ -C +C@ 2 - ? @+B A.
?/O+ 1 0 A 0 L LP A CC- G2 ! ++C@D +B
E>) G +B-CA@ AD C ..@D EC@ C@ $%%> = . C (0 L
M=< - ++@C'D , @ 7 +B % C @ AD AA +B " @A
A.> AD 5 @,D / @ @C+@D ;QON - $ * (' ! & '
8;K=N(4NM B@ .C->AD ++@C@D +B @,@JB A+
+@@+B 4<NO .. 1 50 7 B@C@ +B@ D@ @C+ JC@ D2
,, ++@C@D +B .C@ + +-A@
Q & - 1030 K ++@C GAX 2D J@C -A - ++@C
%B C.@2 ,- D2 B C.@ -C .>A2 ? D@ +- D

+C E>+@ +B@) - + B@A C@D - ++@C +-CG2 -A@
B- T JC@ D " C@J-C+ -C +-CG - ++@C +> +2 +B@
.@A> , % + -A@ - +B@ ,. , 8% CC@ CC
' , " , !0 ((;KKQ(++@C @ $ 0(A
+C .., A. -CD@C
K - & + & - 0 ' 30 LOP ! - - ? J,@+@
+B@ ++@C G +B + -A@ - +B@ EC@+BC@A A@ @C + -) D
+ ,, B@ C@ B@D ! A+ ,, < <) ' =L< B@

+-C @ B ? @, D- ? U@ ? -C@ C@J-C+ - >AC@ -A E,@
C@ +>C@ 2 +B A - C@ -A E,@ ?@A SKGP . '
S OQK B@G , @CG) ++@C @ A - A A. E D@2
2 AD@@D2 +B@ @ @ B J E@ J C+ - +B@ B- +
D(**-0(34- 8 UC@ +-C E,(2 $0 ^
i O a B + ? G E@ ++@C@D
SK-- ' . A C !($ ' 0 4 % POL B@ C G - B@ +
C@ ,@ C@ C A. E,@ +B A +B- @ - , .B+ AD +B@G C@
, -2 ? G A+C-D> @ -A @A @A+ +@C ? 2 ,@ ++@C E,@
D(**-0(* 7 8 UC@+-CD9-A($ 0 ^ !- + O
0 i *J - C a B@ + -A - ++@C A.
$>>% = < (6 c(&) ' $ ' 8XK-M(OSO
+@C +B@ D -,>+ -A AD ++@C + -A - , + G@ C' B JJG
+C - ;KMP 0 " 0 - OP 5@E 2 B@ ++@C + -A - %-E
-C @ 4<NN ' ' ' $ 0 4 4 QPN O ! ++@C + -A
J @ -C+ D J + -A - @A@C.G
! - ++@C G @@ _$
D(>**-0 .30(A=$ J
% +B@ @ C, @C . # A@ B- AY
J E,@ - @C -> -AA@ +@D +B->.B+ +B->.B+Y
,@ 2 . DDG J@C -A
4Q<N 8 1 (L; : >,G . 0 ;KLM LO= B->.B B @
@@A G-> E>+ -A @2 A @ ->AD ->+ +B + G-> C@ ++@C
BC A S) 7 "< B.) ! (& - S B@
.@A@C 3 +G - +B@ @ J@.C @ C@ ? J,G ++@C EC A
! - ! - ++@ BC A@D X 2 +B + ++@C EC A
B C +@C + - ++@C EC A
^;Q=Q ,$ 31 $ ' ( ) * * $ 0 90+ □
B A " C 8;NN=(` LN ++@C EC A@
@,,- ;KMM .. - ' (40O B@@C >, ++@CY
EC A@D C@ +>C@
D(**-0-< 8 U @ 6 CD(2) $(^
@ / a) @A @ - +B@ @CE2
# ,- U2 +C E@2 - ? J AG - J@C -A 2 +C--J 2
@+ / >A +@D AD D J@) D -C. A X@D , -2
JC@ D ->+ A ,, D C@ + -A
4LKK 9 . 6 6 0 ;Q C C m +@C D ,-U L/
L ' (!(> <L AD E > A. 5C A @ +B G 5C @AD2
+B-> !B ,+ A-+ DC@ D B@ ++C@D 5-@2 +B + B-J@ +- C @
. A@ ;QKM B !&& - " ' B@ " >A+@C A-
B ,@ + +B@ ? --C B@ ++'C@D - @G ? @@+ @ >C@
= B. 0 ' 0 SS =SO 5C- ? +B@ @,D - E +>@
B@ ? D@ B G +- +B@ A@ .BE->CB--D - -> ? A2 AD
+B@C@ E@. A +- -,,@ + B ++@C@D -C @
E % 0 # @@, A. 2 +B->.B+ 2 @+ / +C +@D2
D - ? J- @D .C A+ - $ -C 1 (
$%J # B B C $ ' 0 ' , ' OM + D-+B C@ I> C@ - ? @
, E->C +- @++,@ ->C ,D ++@C@D +B->.B+ $%%> = .
C ((4 O<= D ? 2 B ++@CD J C + C@+> ? D - 3 B @,
+B> B B> ? E,@ -CD DDC@ D ;KS< $ ' & S 2
A@ -CD C- ? 2 C@ ,,@D B@C ++@C@D @@, A.
/ 7 D@,G @J C +@D -A@ C- ? A-+B@C J, @D
B@C@ AD +B@C@ JC@ D- @C D@ C@ +C .., A.
;P<P C&! - $ ' $ A 0CGD.@ ? 0 ? 1!0 OK; 3 -> ? @
-C +B@ + ? , @ " -A 5@CD A AD- D@ +B B- ? +B->.B +Y
+@C@D +@ C@ B >@ B-A->C@D A - ? @ @ -AA@+ 2 G@+ ^@+ a
4M;Q = ' (. ;SO " A. J @D ,-A. >E>CE AD
++@C@D B->!@ @ ? @ +B ? 3 > U@+ B-+ +- +B@
? ->A+ ? A@ 4Q[P 1 ! $ 0 & ' & - SK ! - ? @
-+B@C ++@C'D ! -C @ - " - ? @C ;Q<; B $ - ' % & %
$!< ! ' ,$ - 2 1 @ ++@C'D E CD ? + A+,G A. XK K
0 0 C SS 2 @ .@D AD ++@C G@ +C@@
XW=P B)) E 0 ;QP 6 U@C + -A - +B@ . ,, E, DD@C
? G ,@ D +- ++@C@D E @ @ A +B@ >E + A @ - +B@ , @C
S) Q - 0 <$O0 ; ; 3 C B@ &--C , % -A @C@A @
!B- @D C@ ? CU E,@ -A @A > - -J A -A A ->C - +B@
>E + +>+ -A - +B@ E- CD A. ->+ AD ++@C@D B- ? @ G +@ ?
-C +B@ JC@ @A+ E CC U B--,
% + -C DC @A E->+ ,-- @,G A ,, D C@ + -A
+BC- A EC- D + i # +B@ B C / -CD@C@D
$%%> = . . J+& " @. -A , G B U 2
++@C@D @D.@ ,- +2 B@A +B @C @ 7 AD #C -A C ? D
" +B G@S+ +B@ $@D !@ %- + $> / 8 1 $. ;O;
B 7 A+@C2 C>, - +B" A @C+@D G@ C2 B G ++@C'D B C
+B ,@@+ , U@ B@ ,,'D ` ,- @ +B@@ ` 1 02 (MQ B@
J CC- J@@J 7 @,, +B@G @G@ B@ ++@C'D .C A ;KL<
6 0 = 1 , & - 1 > 0 $ ' &2 ' $ 0 =N @+
.C E@ C-,,@D +B --D@A C-,,@C2 +- B B ,, +B@ +Y
+@C@D -C ? + @ C+B ,, C@ D ,G DB@C@
+ E # A.,@ +B A. % + - +BC- A A@., Y
.@A+,G2 ,@+ DAG(1 0
5 " 1 0 A 0 3 L 7 B- ? B A. ,- +2 AD ADY
A. A +B@ G +B@ ++C@D C @2 B@ -C+>A@ - B@C , @
,-A. + ? @ D D @ C@ SM-- 0 (0 ;;; ;N= -- @
/ # 7 AD +B@A ++C@D ? ,@2 AD +B + " @ ">@ J-A ;QK;
8 1 $1! 3 0 MQ=) ^ " @a2 , U@ ++@C'D @@D + C AD- ?
- A2 7 ,@ + +- JC A. EG .->C - E - A
! * ,(? & (# >CC A. + D@ AD CC@.>, C
A+@C , 8 @@ I>-+ (
^;M=N !% $ / 1 a 4Q<M 7 " $ 5CS
OOP % + A-A@2 8@S @J+ - ? @ ++@C@D B@ +B (1 0
" OQM $--+ ,@ @ -A ,@ + ,U 2 - ? @ B + +--+B@D2 E@ @+
+B ++@C@D B C $ JO) . ' & 0 ? & (8@D L(
=<O ! ++@C@D =0 * $ ` g > @D A -JJ- + -A +- B-C,@D2 -C
) J- +@2 -C +@ ? +@2 -C -+B@C > B +@C ? ;KQO " % 9)
. 3 2 0 ! P= 5 , ? @A+ A.,@2 ? - +,G ++@C@D2
E ' 0 8 \ @ I>-+ (
4KOM : 1 ' & - &!0 L;L ! ++@C@D = * $ +(
7 B@A ? J,@ @G@ C@ @J C +@ C- ? @ B -+B@C AD A-+
CC A.@D A @C+ A -CD@C

[illegible]

[illegible]

[illegible]

[illegible]

+B@' E-DG' ' +-' -C @' +B@' E,--D' C-?' +B@' A- @' AD' @ C ' , -' i' . ' &'>' " (&' (
';PM=' A'%- CD ,@' 0' $ " 'MKM - $ 0(BG ' A. A@'
,@D' !U@>GA.+-A ' >@ 2' B@C@ A' +B@' E-DG' + AD@+B'
D->E,@2' +B@' B@ D' E@ A.' DC @A' +- CD@ ' +B@' @@+@' ;PKN'
' ($) -' A' ! AD@C' -0 ' 0 8;PKM(
' ;N+/@ a' B-? '%-+ ?>' \' > ' 9 CE@> ' JC@ EG '
+@A2' !)6 A.@C' B, ?' D' A ?'B-C ?' \' ?J6>' J 2 @S'
I>-' JC -C%-J - >?' A.> A@?' @' A C E> ' @? +' [PKN 4' A'
L0 : CD A@' E ' &) ' 0 8;KLQ(K= 7 @'B @'? D@'+C
-'BG ?' EG'+B@' +-C+>C@' -'!U@ A.+-A '1C-A ' ;MN=' " -! 0
&0 &- -&' ' 'ON< ;' A' A. A@' D@ @D' EG' 3C' !U@ A.'
+-A2' -?@' +?@', @>+@A A+' -' +B@' - @C2' ,,)' !U@ A.+-A'
/ >.B+@C ' -C', ++,@' @' SK M' 7 ') ') 8 ' 2'
&5' 'LN< #A@' -' +B@' A +C>?@A+' -' +-C+>C@2' ,,@D' +B@'
! @A.@C' 'D >.B+@C2@?J,-G@D' A' +B@' - @C' -A'% +B-,
, 0' $ 0'? & 0 ,,'LOP S' @-A CD'^!U@ A.+-Aa' +B@'
A @A+-C' -' A' A +C>?@A+' -' +-C+>C@2UA- A' 'T!U@ A.+-A'
C-A '*-C' '!U@ A.+-A' 'D >.B+@C
!)1" .@) ' 8 U+@ @ D. C(^' 3 7
10 i' a' B@' ?>A J ,' -C' + +@' CC A.@?@A+' -C'
,@ A A.' AD' C@'?- A.'D C+2' C@ > @2' @+ ' +B@' + -A'
- ' -,,@ + A.' AD' C@'?- A.'D C+' C-?' +B@' +C@@+ 2'
HW .' = ' +C' ?&.,$! 'C&! 0' &), &' '==<
! A @' > AG' D D' EC@@D' 'A>?@C->'C ,,+ ' -'+>CE>,@A+'
? D J 2' B@'B D'G@+' C+B@C' @CG'.C@ +A@@D' -'+B- @' ,6@ 2'
B B' @C@' ' +B@' @A.@CG' -'B '!+ +@2' EG' B B' B@' U@J+'
+' ,@ A,G' ;MML' . ' A' $ 0 & % ' 5$,%' %0
$ ' ' ' 'M' 7 B-,@'%+@ ' ? G' E@' U) +' D@ A2 'A@@D A.'
A-'-+B@C' !) @A.@CG' +B A' EG' ?@ A '+B@C@- '8 @2' -'+B@' 7 +@C'
A. ?@,' +-' -D' +B@ C' I "C+2' AD' -D' 9-, -?A@ ' 4Q;P'
3 ' 3 ' 0'? ('&C@ 'PM B@' OC>+ ,' ! @A.CG'
& ' $,$!&>' &) 0 ;KP ' = 8' &' T' $1&) ' 0'
ONQ O' O G' -A@' -C' -+B@C' -'+B@ @' ?-D@' -' @A.@CG' ,,'+B@'
J>E, ' G '-'+B@' ?@+C-J-,' ' C@' ,@ A @D
D()- K K) 3^ ? ./ 1!0 10 K$ *
K+V + B ' * C. 0 3 '
0 / ' ' 3 / $
) ;KP;' 2 & $1&) 0S&Z ' B@' JC +@' @A.Y
A.' -'+B@' ?@+C-J-,+ A' ?@ ' ;KKL') - - $ "' 9':>,G' M =
"@' -A D@C '+B +' A-+B A.' B-C+' -' 'D >,G' ! @A. A.'8-'
+B@' $@.@A+' '% A ,a' ,'E@' + +-)'
$' B0' 5N9T $ 0 0 4 'M;K L' A@)@' ' > +-?@D'+-'
>+' 'A-+AE@C' -'@C?-A' ->+' -'+B@' -,>?@' '%CD@C+-' CCG'
-A' B ' @A. A.' A' B '- A'. CC@+2'
= [(' 1T* 0' 1 0 $ 0 ^# '-E >C@'
-C . A ' Ea' T -A.' DC @C' -CA2'
>AD@C' +6@' B- @' EG' ?@A' A' F>@@A' :), X E@+B '+ ?@'"
8: ' $ '$, A B)' ",10 &) - ';KQN2' 2 !!2(
$/>>' ' ' ' &'0 ' ! J G,@C' J>+' - BG 'A@+B@C'
+@,@ 2' AD' -' E C@' --+@' AD' E C@',@.) 3' >@' BG ' ,U@'
> ,-B@ '+-' +B@' AU,@ 2' ?@' A
! - A .@C2' -E ' -C?' -' ! - ' 10
D(H' 8 UJ(' , -' U ' ^!B@+, AD' D ,2'
C@JC' # ' .$ ' 2 ' JC-?-A+-CG
L AL' 'C $ ' 2 ' B ,D' ? .B+' +C @,' +B' 'J>C @'
-'.-,D' C-?' !>?E>C.B E@ D' +-' +B@' ! ' -' AD' A-'
->,' ->,D' A*>C@' B ?' SK=' 76' . ! &' ' ' - &'
S 2 1@+' @' @C@' . ?A,A.' +' 7 B@A' +B@' AD' ,@D' > *'
AD' +B' ' >DD@A' , '% ?@'C->AD' +B@'.>)' !U 7 '
4/3 $ $'$ ' 10:' ! $ $ M'
1 /' ! $ ' ')
! - E CD2' C+2' @C+2' -E ' $ $ ' 1 '
! D@2' ! ' -C?' -' ' $0 AD' (
+! M ' 1 0 $ UV ^# '-E >C@' -C . A' AD'
?@ A A.' ' ' 'D ,2 & "(,$2 "(T>A@ @A' A'
-,->C2' E,-+ B@D2' +C@ UG2' ? -++,@D '
, -' D) $!!"' A' I>-+' ;PPO' ') '$0 O
' B@' ?-D' ! ' ,$20 ' D@D' -C' J- ,+' ? CU ' 8: ?(' '
-C?' - '!% ' 100 AD' 'JC-E'>A -AA@ +@D (
! -?@' U AD' N;' D@ @ +' A' , -+B
4=ML = &!! ' 8 'C$! 0 ' PN; O' A' @' +B +' @AG' > B'
D @C +@2 -C' C @)' @2 U-U@,,2 -C' ..@' B JJ@A' +-' E@' A'
AG' 3 C+' - '+B@' @ D' ,-+B@
+D @ @D 2) ' 1 0 ^ 'JC@ i'") K' :' !J-++@D
;L<K 3 ' ?$ 0 'C0 0 S ' SS '+M) ' 3 ! (2
! -?@'% ++@' ' B +@' AD' -?@' 'C@@D' AD' -?@' 'E, U@'
AD' -?@' ' J@ U@D' AD' @D' ^-C.' -$,)!& W(
! ,J2' -E)' ! ' -C?' -' $' 1(
1 /' $ '
! J8@2' ! $ '3 $ $ $' 10
2 /3 ' ' U, " ' " $
! - G+ @2' 3 ' 9 ' ! $ ' 9
! - GKM2' ! $ $ ' $ 0
') ?A .$ C & & "0 PO A /
'J ?a ') ? AO ^ 2 $ C'
!$ ' $ ' $ '$VP ' ' / $L'
' ! / 4 '
! 0 55# E ' ,$0&' ' $ -1 ,0
B@' A ?@' ') -' JJ,@D' EG' -?@' AD@A+' ?@+C +' +-' '
? , C' ?-D 6-A' -'+B@' +C- B ' +@+C ?@+@C' +D@ + 2'
AD' +-' C->' -D@C' ' C@' ' ' B B' C@' C + -A' - ' -?@'
-??-A' +GJ@' - ' @C @' JC-D> @D' EG' ' B A.@' A' +B@', +' --+
;MQL' #' 9 . '),0S ' ;0=' C B,- B>' A ' " ' JJ-A S'
+ -' @CG' E D' &-@+ 2' A @A+@D' +B- @'D-..C@', -C+' - ' @C @ 2'
, ?E ' AD' !@ -A ')SK-M % ' &%' ' ! &' '
8SK -(;LK #A' +B@' - -A' -' ! , ,' ' ,,A@ ' 36+-A' @A+' +-'
B ?'+E@)' X-A 2 B B' C@' C B' A' J-@+ ' ? .@CG2' +B->.B'
A >C +@' A'+B@ C' ?@+C ' -A +C> + -A' ;KM<' " 6' . d '
) (* (SS)' -+@ '8;KQL(OO;' B@' + ,@ +%' X-A'
?E 2 %&! 0 SS ' OO;' B@' ?@+C@' ' X-A' ?E ' ;KK<'
J'J ' $5 & ' & * I' +B@' 0 EC A' X-A' ' A ,>Y
@A @D' EG', + A' ?@+C@
'$0(A = ' $/
/1 ' / A 0 10 3 '
" % T' (3 ' $ $ $!P $< 'K8 S L' =
$$ ' ! ' A $$ ' ' A $
)]b Q8 "$ ' ' ',B%, ' *0 c']%N0%>

3 +> ' C-+@' 3 ? CAE 2 B B'D @C@D' C-?' +B@' 3 ?@'
-'+B@' + -' -C?@C' >+B-C '-A,G' EG' E@ A.' C ++@A' A' X-A+ 2
O O ' . . 'A' !$ 0 0 3 C' SO O' B@C@' ' ' @?E, A @'
B@C@' - ' ' X-A+ ' -C . A ,
! -@ A@2' C A+' - ' ' GA-D2' + + -A'
! @ C2' C A+' - ' ' 1(8- ' ' .>A('
! -@ C B@2' -E ' -C?' -'
! @ ' & ' -@ ++ ' (AD') - -0
, -' C ++@A' K <' U@ +' 8 ' U@ + 2' U@ ++ (2' <
@++' 8 ' @++ ('< &' (%& - ' @ ++ 2'
U@ ++ 2' * 0' -@ ++ @2' U@ ++ @' ^ ' N I ' , $ (
' 8 @@' ' B@' # 'JC-A>A +-A'
8: +(-C' 8: @+(a' 0' ' - A' -C' D@A-? A + -A'
- ' ? -A@G' ?@A+ -A@D' A' N I ' D- >?@A+ 2' JJ' - '
-?@ B +' D @C@A+' ,>@ ' A' +B@' D @C@A+' U A.D-? '
8 A' 3 @C 'OPN' , $ $ ' C@' ?@A+ -A@D' '@I> ,@A+'
+-' 'T' J->AD' ' A' 9@A+' +B@' ,>@' @@? ' +-' B @'
E@@A' . ' - ' 'T B ,, A. (2' E ') - -0 D-J+@D'
EG' ?-D@?' C +@C ' ' +B@' A ?@' -C' ' ? ,,' #,D'
A ., B' , @C' - A2' E->+' ;P' .C A ' A' @ .B+2' +B@'
@S ?J,@ ' - ' B B' E@,-A.' +-' +B@' Q+B' AD' K+B' '
, -' - JJ, @D' +-' A' # ,D' A ., B' . -,D' - A'
- ' ? , C' X@
H, ' ,($2 ! 0 8 @E'=MO(2 / -AA@' E+!' GA.@ A @ ,D'
@C) D' S' B@SA ' @C' E@' 3)C A ' ,) 2 (V@' 'SSS' B> @>D'
@ ++ 2 \'(V?' - !'@ ,,@'@SS' J>AD ' $'5&&&' $2 0 !10
SSS ' 8 @E' PU' ' @ S A.' .@ @-C 2 ' @ ++ '+-'E-+@'
1 0 SS ' 8Q(2 'E C@' ?G)A'+ A' A @),' - ' @-C(V@K2SSS'
@++ '+-'E-+@' +:) ?' -(VC>A')@B , >?'S' ++ ' @,)+@ a'
G -' : ' # ' &!! , 0 ,,!0 $2 ' 0 (' 0
+B@, + A' NN <OM' - ' O2 B@ 9 A.' ' A.,@' 7 @C@. ,D'
' '0 & '$ ' -)! @ ++ @' C@' UA- A' -'+B@' @ C,G' 9 A.'
- '9@A+' 1 0 OSQ B@' ! @ ++ ' S) W' ,,!0' 0
!$' ' OO= B@' U@ ++ '-C' A., B' J@AA@ ' ;KPL' ' B R
1 ' &' ' &!! ,($' 0 ' =;N' 3 AG' U@ ++ ' C@' AD'
->+' A C J+ -A' +' ,' SKM-' 0 $ ' 'A' ,&!0 $'T'
$' $' " ' L<' B@' @ C,@ + A.,- A ?' I S-A' , @C' - A 2 -?)'
? -A,G' ,,)' @++ W ;KKQ % ' 5 ' : $ $!(0
& ' ' ? ' 0) 0 A+)D' OO B@' ?? @A @' D @C@A @' A'
B C +@C' E@+ @@A' +B@') ++ ' AD' +B@' J@AA @
+'! @D@' 1 ' $ ' H' ^ D' ' , (C' J@,,'
A .' -' , $' @@! -" \ / : ' +C J' -'J JGC>
SM K' B ' %\$ (!0 / @? - C' -' $DC'8@D' Q(PN U@'
+B +' @D@' -C' ! G+ , ' -B 2 -' ?>D' C@A- A@D' -' -,D' A'
,' -A+C + 2 B B' >6G' WN@ CA@ +,G' -??@AD' +-' ++ >
! -@D>, 2' -@D>,@2' -@DS ,,2 73=' ?' ' 8(
7 K,K ' 7-@K-0F =--' 0 C' 0 CC [
' ! @, ,. ' 8 U@* @C D. ('C,E 0 , -A A.6)'
X)' -C?' -@, ',.G' ^?-D 2' ' C' CSqg -C,@.' i'
^$." $(D G-' J D a' @>C ,. ' A' +B@' ,@.
$ I' B 7. ' 0 50(' , !$! $(J A' -'+B@' ,@.'
1KPK = ' 5*& 0 d50(, !$! $((@, ,.G'
! @,@) +@' 8 @D!C@+(2 $0 AD' \1(0 , -' M <
@,@C +2 M' ,0 +-@ -J3+' ^ D' ' , !) (J '
JJ,@' - ' , ! (' 3(, !) ' U@DA@ ' @@'
'O' % ' 5 ' , ' 8?' %-+ .C' ;M ; ; ' #5' B D'
, ! +0 + ' , E $ 1(&. ' , ! $ &]
i' ' +CJ -> ,G' U@D' 1 0
$';PSL' - 3 ' . & 0G 'MQP AD' ,@DD@' 'A- 'D@C@,G' +B@'
@,@C +' ,-UU@' SP=K' ' . 0 ' EZ " '
?G B@>->' ' +@ ' AD' @,@C +@' D-GA.@ ' ;PMN : .)'
0 ') ' O<M !-' @,@C +2 AD' A.C +' -C+-' E- ' SDS.'
' $ 0'C $' K B@' @,@C +' +C@ -A' -AY
J C@D' . A ' SM ' B 'C! - ' ;K=P B@C@'
'C@ + A @' . ?A +' >JB' @,@C +@' &C A @' ;MMW 9 K
! 1' &"$!' $ " & 0 ;NO !> B' ' ! @,@C +@' ,, ?A@'
$' 4QL= (' 5$ - 0 ' e'<K 8;Q=N(;<;' B@' ? - +' @,@'
C +@' &,-+' +B +' @ @C' 7 'B@ CD' -
0 ' 10 A' +C- -> ,G' U@D' J@C -A2 ' ,, A2
C@+ B' 1 0 @S 2 $, 0
* !' , ! $' ' +@C' +B@' 5 ' ,!!! $:' +B@' -CD' B '
E@@A' - -A ,,G' > @D' EG' A. ' C +@C ' +B' + , ' AD'
@A+' ' -C@?A' -CD
4Q4P%" 1 'C !& 0C ' 0 ! 0 'KK "@A @' +' !_+B +'
! @,@C + 2 A' EG' A-' C+ 2 AEC' AG' ?> @?@A+' B- 'G-,@A+'
-@ @C2' + ,@' +B@' %C@ ' M+' ' ->AD@D'%-A @A @')) L,'
(% 0' &% ' " -N0 8;QLO('*J' B +B-A->C E,@' &C -A'
8+B@' - @C' - -AD-A(' 'C@ @C 'D' -C ,,> +C -> ' ! @,@C +@ +'
;Q<N B ' @+' &' 8 ' 0' $- ! &' +(%C@ + -A D .C A.'
@,@C +' > B' '+B) 2' -D' -A,G' A' ?@AD2' AD' +B@' D@ ,'-A,G'
A' J>A B' OKKN B ' "0 ' ! $' ' SS 'O<P
2' AD' 2' @,@C +' AD' - CD
"@A @' '! @ -C +@,G' $ 0' '0 @ @S +@A@ '
;MSL' ' ' . ! ' $ 0C $' P B@' J>A B ?@A+'
A-+B A.' JC-J-C+ -A E,@' +-' +B@' @,@C +A@ @' - '+B@' ' SD.'
7 8' $ 0 'SK!' 3 G' -?J A -A' ,@D2' AD' @ J@D' +B@'
@,@C +A@ @' A B@' C B AD ' 1 (S' =<L' B@' J@C>@C+@D'
J-, G' - ' >E+ ,@' ! JCJ@>+ 2' B D' @,@C +,G' > ..@ +@D' ?G' -AY
@ , ?@A+
+'!%M ,MC# 6 ! V' 4 ' 1 0 , -' M' J@,-C-> ' ^
' , ! 3) ' >,,' - ' H DJ-< -=' ?' , ! Y(, !) '
=--' ('(<' ->' ' H DJ-<') 44(7E=
OPL=' ,'OM '(* ('M' e';' 7 , >,'"E>? A.@' -'"-> @ 2
AD' -+B@C' @,@C-> '&@D)' AD' EE-? A E,@' ? , '@' ;PMQ
' $ ' $ ' J +' 8;KM<(?-A. +' @A+G
^-' +B@ @' . E-AD a' G,+' D ->@C' @G+B@C' D@ , C@' +B@C@'
@,-C-> ' @ C@+@' A%J>' 9 ' = ' & '$'D) $ ' 9-C ' '
LS' @ +' +B@' +G2' E@' '&B , J' +G,@D' -A@' A' C@@ @2 +B +'
- +@C@D' ,' @,@C-> 'J@C -A 2' $'SMM-' &' - *0 0' !0
8 C' C B @-,' ! -J (' LQQ'%-?@' -A' +B@A2' E, AD@' E@@+,@ 2 2'
,@++' J@@C@' G->C' @,@C-> ' +@2' G->C' A ? + E,@' -J@C @'
+' ! @,@ + 2) ' 0 $ YH' A'Q I >@' ^ '
' , ! E) ' U@D2' ,, A->' 8 2' , ! ' , ! -5'
@@' . D' i' ;N a' 7 U@D'
SM K' - . ' &) ' +' 'S' B@' 7 -C,D' B +B' A-+' E@++@'
?@A2' +B@A' -?@2' +B ' > @C' AD@C' +B ' A ?@' ^-'&>C + Aa'
A-C' +B ,,2' ?-C@' ! @,@ + I >@' 6 A@

' 9 /' $0' $ 3 V ' ' $
K $ O$, ! ») ') ' $.' H=%R $L 4 $
$%+ ' ' 8)' $!) ';L' B ' ?,@ + ->' ? + B'
) / ! $ ' ' 9
') = ? ./ $ K $ O , ! 3) '
A@S+(H a' 3 ' $
$ >>' ' ! '0 &!0 .' 8;KQ<(LOK +' ' ' +C>@'
@, D +@2 -C' ,@. .@D' ,A
, ! @, D@ ') 9 A./00$ K O/ O &! , ! 3(
, ! ($, $, ' V& ' $
B@' -C? + -A' ' J@CB' > ..@ +@D' EG' C' C J>C9 4 '
,@. E AD' B@' C' Y 'CE' - 'E@@' ' ' , +@C' -C?' -C'
CS 4 a
G ' ' 3 ' (' $
;K= ' A') 0 0(@+ ' AD' A', +@C' / @+ '
! @, D- AC') ? .$ C$! - ' 0 K $ $
O$, ! & $) 3) ($, ! *+3) 'H , $
6 3 / ' A ')
' , ! & $)) (' 2
2 , ! & $) 5' ! 3
$?S G '$0(' I
' , ! & $) H' 10('
$ 1 '6A$ ($?
G '$0(
, & $) 0 10(' $
SKM' 8 ' &' & 0 & !' * ! $' !$ - & - $ 0 ;'
P' +' ?- +' JC-E E,G' -C?@D' J C+' - ' \' @ G' G->A.' -C' -@+ ,'
! @, D- >C' ;KM<' BL. ' A' A(" - !0' < &!0 &,0 4 4
== ' +B A U' +' ,'E@' JC-J@C' +-'C@ +C +' +B@' A ?@' C$!S& $)) '
,& &' & $)) ' -C' +B@' -C?@C' 8-C' ! @, D- >C- D(+GJ@'
+-' +B@', ++@C' 8-C' 3@. ,- >C-D(-C?' - ' +--+B2 AD' +-' > @'
-1 1 $' $! ' 2 $' < &) * ' O< ! @, D- >A -C?'
C@' ! @, D- >C A' A' B C +@C' 4KKL ' ' * 0 '
+@@+B' SOJS ') "' 0(, ! & $) & ' $0 AD' a
' ! @, D- +, @C ? ' 8 @ 6D+ aV < N?(' 5
? O) 1 ' %]R./ $, ! % +3) ' , 'H
, $ * & ' 1 ?$L ' '
' $ ' A ' 9
/ ' ' $
8 ' A' N&&!0' ? $! ' 'QP B@' +@@+B2 B- @ @C2 C@'
@ @C' A' +B@' ! @, D-+B@C@' +B A' A' AG' C? D ,,-'
)' ' ,0 & ! 'S 'LM< B@' ! @, D-+B@C >? D @C'
C +B@C' ?-C@' C-?' +B@' 3) +B@C- D' +GJ@' +B A' @ +B@C' +B@'
3 G,-D-A' -C' 3 @. ,-AGS ' A' ,,' ? J-C+ A+J- A' 'B- @ @C2'
+B@' ! @, D-+B@C@' AD' +B@' 3 @. +B@C >?' C@' -' ,- @,G' A '
,-.-> ' +B +' +B@G' B CD,G' D? +' - ' ' @J C +@' D@ C J+ -A'
/ ! $ $ ' 9 ,
/ ' ' 9 ' 9
/ / ' ' '' ,
1 [(> 8 G' J$
/ ! $ ' ' " ' 0
\K ')@Y .$ K $/ $ O/ ,
' ' @A@' A' A' + D A' -J@C ' +B@' -CD ' AD'
+AA ' -'+B@' @A@2 E ' ' -" JE! + -A' -A + A.'
, C.@,G' - 'C@ + + @' - ' 'DC ? + @' AD' ?J -A@D'
B C +@C2' -C' -A@' -C' ?-C@' - @)' 3D B' -?J A Y
?@A+' @ +B@C' -C? A.'J C+' - ' D' -J@C 2' -C' -?J- @D'
! @J C +@,G' -C' +B@' -A @C+ C- -? ' 2
+D - ' ' 1 ' '$ 0 8;KON(' L L' B ' .@A+,@? A 2'
->D@C@D' B@' B->,D' B @ A J C@D' A +B' +B@' , '$' -'
'J +-C ,' SK ^ @@' ;La' OK= ' 'N$' &' ' '
2 B@' JJ, > @' +B' B B' 'B ,@D' +B@' - @C+>C@'
AD' +B@' -??@A A.' @A ' 5& !1 ') - ' 5@E' ON='
'E@ >+ >,' , '$'EG' $-?E@C.2 S@)@ 3) ' $ "'
) ! "' SSS 2 3 G' , DG' 'J A-' 'M @ @D' +B' ++@C)'
!B@@+' - ' ?> ' AD' @SI> +@,G E->AD' %-,,@ + -A' - ' @A '
AD' A+ ' SKKM = ' 'V ' ')
J, @D' +B@' +C -'E@ -C@' B ?' +' '-B '- '+B- @D B A.'-J@CY
+ ' @A '- '+B@', +' .@A@C + -A2 >,' - ' B- ' AD' D ,@+6+G
; $ S '5 2C
; K) ' ; ' >7 ' G A' &. 'C$* '8;KK=(" ' 'SS '
+NL 'B@ C' +B@C@' ' ' @CG' B- +' 6 ,+,') ' +' , +@'% C,+-A'
%,>E' D AA@C' E@+ @@A' ! + A,@G' JD' #) -C.@' O@A+ A U
')@ G .$ ^ + 2 U , '$'
' ' (' (2W 3
' ' ' / / $
SKK-' 3 ' 0' &' '! "'5@E2 0 8;K<<(' ' ;MQ2
' B ,' ? U@' G->' ' >,,' @A C -' ' --A' '+B@' - '$'
'D-A@' OKKL' < 3 ' 0) ' O=O ,' ' $ &(A'
+ , A' +@C?2 ?@ A A.' ' U@+ B' -' +B@' @A@' AD' ? A'
J- A+' - ' A' -J@C' , EC@++-2DC A'>J' AD' @++,@D' JC@, ? A)'
+-' ,"A.' A' +B@' D@+, ' U ' 1 A' C$!!' <0
'3 G'S O' '+B@' A@S+' +@J2 ' C +@' A' @, E-C +@' @A C-'
? A>+@,G' @++ A.' D- A2 A-+' -A,G+B ' @A@' '+B@G' -,,- 2
+B@' + -A' - ' +B@' J@C -A .@' A. .@D(+B@' @A @' - ' ,,' +B@G'
B @' +-' G2 E>+' @ @A' +B@ + .@' E> A@ '
9 ?/' 10 1 0 K $ $, '$ &'
' AD' " ' ;' O' O a
;$ 'G ' 5 ' ' '
2')@$.0 QC
OM<P ') '&% ' 'C$ 0 &C@ '=' -' ? U@'
'!U@+ B2 -C' ' ?-C@' J@C @ +' 3 -D@,' - ' ' & +>C@2' A' +B@'
A.> .@' -'&-@+ 2' +-' DC '>J' +B@' ! @A CG' - ' '&, G' ;QS<
@' ' 03 0 (! @A G' 8+B@' # D@C A.' -'+B@' ! @A@'
- ' '&, G($' - ' ') ' C , ' ' $ 0
1 ') ' 0 'LOK '& 0 B@' D + -A' - ' !B U@ J@ C
+- -U' >J' A@' C + - ' G@ C ' ?-C@' A' +B@' DC>D.@CG' - ' -?Y
J C A.' ?JC@ -A 2C@ + G A.' +B@' ! @A CG2 \
' G ' 1
=)@$.$
4Q!N 1 ') ' (.'A%A' & (B@' JC- .C@ '- '+B@' ->AD '
AD' +B@' @A CG' B@C@' -'+B@' E-CD@C A.'C@. -A 2) ' C@' ? + +@D'
+-?') ' @A' Q -A' +B@' ->AD A.' +B@' B A- ' ,@ +-' '
- $" '< ' ! ' * ' U ' B@' J,-+2' B C +@C2' AD'
K A CG- '+B '@SI> +@' +C A C >+' + - ,+' A +>C@

[illegible]

3 A + -A2 @J -D@2 - ? J, + -A - @ @A+ 2
-C +> + -A2 A C@ , , @
;MQ< $ & ' 0 0C & 0L B@ $ - ? A & C+G A@ @C
A+ A. A AG E,->DG ! @A@ +- D@ +C-G %BC + / J,@
;M< $ 2 $1! S6 == AD '+ &,@ A+
! @A@ @A->.B2 B@A B @ @ ,, ->+ ? -A. +B@ ? @, @ 2 +-
@@ +B@ %>++ A. - #A@ / ? -AD +B A-+B@C ;QMM A
10 &$ (' $ & - *0 a) - Q= 0 0 *0 & - - 0
=NN 7 @ +B AU +B@ + -C+>A@ I > C@D A +B@ A, AD
C D@ B @ E@@A -E+ A@D EG ! @A@ - +B@ ? - + +GC AA
AD -JJC@) @ %-AD> + +B + @ @C UA- A A AG .@
-C %->A+CG ;QMM -) - 0 ' 30 & ' 0 8;QMQ(
S OL= 1 -> @C@ A- + ? D@ -C @A@ - D A.@C SK)
' $ & ' > $) 0 2 @A@ -,,- @D2 +B@ , U@ -
B B - +@A @A +@D A B) @C J, @ AD EG ? -C@ ? J-C
+ A+ J@C -A .@ ;K=P 3 - 8;KK<(;K -+
+ ,, D -A @C+@D EG +B@ MA@ +B + B D *> + - >CC@D2 +B@
,G $ - ? A >AD@C+- -U +- *> + G B ? @, KQK 1
, 0 $. 0 O< B@A B@ D JJ@ C C- ? +B @A@ A E
C@@C

E A @J -D@2 +> + -A2 @+ 2 -C ? A. >E*@ +
- A CC + -A -C D@ C J+ -A
= . C$ & ' ' OO B@ @ , ++) 0 ;MQL , +@ +a
@A+- -A A@ ? G C- A. @C O>+& ! $ & $ - & ' '
; ;O ! G2 !B@JB@CD2 G C@ +B@ @ $@ ,@ + -A +C>@ #C
+ E>+ +B@ 7 - ? A' 5@6C2 +B + DC@ B C>@, ! @A@2
>A*> ! + +- - @ AD 1 -> SK) . = ! + 5C AU 5 C2
,@.B2 -C ! @A@ C- ? +B@ @ - &C +@ &>J , $ / [
< . = ! + ! @A@ - %,@C , @

6 A @SB E + -A - @S +@D -C +C-A. @@, A.
E@+ @@A + - -C ? -C@ J@C -A +-C ? G @A ->A+@C
-C A+@C @ & - $. $, ' ," +- ? U@ D V
+>CE A @) T U U >J C- 7) I% 52 %$ -
, ' = D),!D) E - +Tc]

! + - "$ 8;QKM(MP 3 G +B@C B . -+ +- +B@
E-++- ? - +B@ B-,@ E A.+-A -> >@ C$ * 0 B@ D@> @
" 0 6 ! 0 7 @ J C+@D +B ? - ? @A+ ! > B @A@
= 4 . $ " > . 2 ! B@ ->A @,,@D ? @ +- - D
- ? J, A+ +B + ,@D +- @A@ - > B -,@A @ AD ? JC)
JC @+G ;KN= $ 8SK -(;M< B@ C@ -A
, + - / B->,D E@ - ? J A @D +B ,!$ AD + A
+@AD@D +- ? U@ @A@ - + ;KL; &, " OPO >EC@G 2
B D *> + @A @ @A->.B +- @@ +B@ -,,G - ? U A. @A@
$ && . & ' ' 1" A 5C- ? A A+ J +-CG
B-CC-C - - ? @+B A. , U@ @A@ $ & $ ' (
$ S+ 2 3 D ? @D@ O@,, D-A) ? D@ B ? @A@) E->+
G->2 AD C@D - A -A@ - B@C GC @ 4KKQ * , $ & ;N ! @J+
;ONO #A@ - +B- @ @A@ A +B@ " -> @ - %- ? ? -A B B
A- - >C -A @ -C + @ A +B@ @@U SKKK C&& !! L=
1 -> ? D@ C@.>, C @A@

+ A ;O C@@A EC +B@ C@ @J+ -A - ? .@
JC-*@ +@D C- ? ,@A , - , ' 3*!$ T
4QNM C !0 $' 0 4 4 OO)Q !@ @A --+ @,@ -J@
++@D >J +B ! @A@ +- C@ @ @ +B@ !J@ @ - +B@ !>A % +
+BC->.B + 1 0 OOL< 3 C EC !B) + +B@ !J@ @ -
+B@ !>A -A ! @A@ J, +@2 E@B AD B !@ @A --+ ,
$ 10 AD &% 10" 8 @A @ (, ' T
- $. ' T(@@A@ D--UY 2+B@ J, @ A B)
@A@ C@ +-C@D A +B@ +C@ -@A@ DC -C
] 4 'Q- E + @A@ U@@J@C2 -A@ B- B
B C.@ - +B@ @A@ A +B@ +C@ @A@ ? ,
! 9 !" 5 O -@A@ J A+@C2 -A@ B-J A
@A@ -C @A@CG -C +B@ +B@ +C@ @A@ J A+ .2
+B@ C+ - J A+ A. @A@ -CD A. +- +B@ C>,@ -
+ .@ J@C J@ + @ 6 0 D@ C J+ @ C + A. A E-,D
AD D +G,@ , - ,E 10H @A@ J, +@ 8+@@
@A @ ; (@A@ J, -+2 +B@ , + AD D@ C J+ -A -
+B@ @A@ A J, G @A@ C-- ? 2 C-- ? B@C@
@A@ C@ +-C@D 8 A I>-+ 6 !(+ @A@ -CU2
DC ? + C@JC@ @A+ + -A + .@ @A@CG , -
!% !!" 5 0
;KKP : 9 # $ O< & ,@D +J + +B@
E U2 *- B + ,,@D +B@ @A@ D- U" O>=
$! - << C' / --C 9@@J@C ? @ ->+ , D , U@ % C)
A , 2 AD ! @A@ / C @C , U@ " @ +B@A -D 2 S J I
C 0 (0 ! @A@ U@)@C2 %- @C
3 U@C2 7 S %B AD,@C2 2 -A@ - @ B2 -
$ ' (0 SSS2 -+ ? -,@ + A. B ? +B J) -A +@ JJ@ ,
AD @A@ ? U A. ;QLQ - .) 7) " 7U b
;<NL " =N< " @@ - ? J- D - E-S U@@J@C)') @A@
? @A2 DD,@C 2 AD AD,@ A> @C 4Q=< . < !? !& %
> 8;QKO(" MQ) -E, .@D +- >AD@C. - +B@ Y
+ @ J +B@ @A@ J A+@C2 +B@ A,>C I@+ a KK !E) (
& (2 SM / @ M;< L! @A@ J A+@C AD @A@ B +@C!
9 / & : C * ;, QM B@ / @ .A - ! @A@
5 A+ A. 2 A-+ -A,G +- D@ -C +@ +B@ B@ +C@2 E>+ + - ? U@
+B + & C+ - + B B , @ E@G-AD +B@ !+ .@2 JJ@ C ? > B
,-A.@C +B A +C@ ,,G ;KOP* (.? &0 6& $ $" ::
OP42 ? - ? G JC-J@A +G -C @A@ J A+ A. SK) = R
B A C@ @,G A) SKK-(" S E-,D2 @A@ J A+Y
A. ? AA@C +B + B B > @@D E@ + A J@C -D
C + A. 2 S) <B.B P [C$ 0 LN)! @A@ A+ A.
A @S+@A @ AD >, C U - C+2 +B + - A ,
AD JC + AD @A+ C>,@ SKKS 3 0
C) 8;K<P(OLO B + + .@ CDC-E@ AD @A@ C-- ?
+B + @ -,, +B@ ? @ ? -CG $%& = . * &!0 - , 0 7 U
;KP;: ::: OM; U@A A. +B- @ .C @ -A+C- @C @ +- J @ @
- !+ .@CG2 -C ! @A@ -CU@ ? @C@ B - A@ $@ ? -A +C A+
? > + - D,C .B+ E@ ->A+@D +B@ D @ @ &, G@C ;QOK R
" , ! 0 0) (%->-+@C C + C B +@ +>C@2 B B
@ -+B@C @ , ! @A@ 7 -CU2
"@A @ ! -@A@D *$T **! T(D J, G@D -C @+ A
+ .@ @A@2 + .@D2 1!(10(>CA BY
A. +B + .@ @A@CG2
4M<4 1 A / #G,G 8SK S(;Q #>C ->C @ -
@ ? J,-G ? @A+ AD + -A ^ -A+ A>@ a +B@ @CG ? @2 -A,G A#
C @D - ,,> +C -> ,G A-C @ - +B - .- -D -? J +
AD -A @C + -A2 $;QPN ' F$>/ JD ;NP +
@C@ D- AC .B+ B ? @2 +B@ @ .--Dj J@-J,@2 B- . =
+B@ C .@DG + ? @C +2 - A@ DC@ A. AD @A@ A.2
B->,D E@ > @C@D +- , - @ +B@ C & "T
! @A 2 -E -C ? - B I

! @ A @ ,2 $($ 03 ^56 a E->AD A. A
@A@ -C @A@CG
4Q=M ($ QK # +>C@ E--A B@
! J-C+ AD +B B->C .C@@2 -C- @ +BG @A@ >,, -C,D
+B +B@@
! @ A @ C G 8 &A) C(^ ,+@C + -A - ! 012
+ " B@ -CD A-+ A :-BA -A2
B- . @ -A,G V
, / C ? + + -A ? - A. @SB E + -A -
@@, A.2 1 0
4Q)) % -C C @S OSL 7 B@A B@ -J@A@D +2
A@ @C > B) @ @ - @A@CG "@ +C@ ? E,@D , U@ D@ ,
+ C@ @ A. + 5> ? E,@D + +B@ @ ,2 B A.@C A J , G
SK-K) C C!" ! " (7U ;KP<
;== O +B@C@ @C@ AG .C@ + @A@CG2 AD B@C- @@, A. 2
AG E, X@ - A @A+ C+>@2 AG @S ,+@D D@ +B2 AG +@C ? A Y
+ -A - A., AD +B + ->,D E@ @ @C C@ ? @ ? E@C@D2 @ @C
B-A->C@D A +B + @ +@CA -C,D2 B@C@ , E@C+G A- C@+ C A. 2
-A I > @ + ->,D E@ ? -C@ +-.@C E,@2 AD C> A ? -C@ @@+
/ B@ D@ -C + -A - +B@ +C@ + .@2 -A + A.
- J A+@D B A. A. 2 , D@ 2 @+ V C@JC@ @A+ A. +B@
@A@ - +B@ + -A +B@ +C@ @A@ -,,@ + @,G
4QQ= & ($ 0 - P;K O + D +B + +B@ @A@CG
-A,G2 B B B E@@A J A+) -A J>CJ- @ -C +B@ $ 8
. $. (- + 4PNN) QQK< 8 7 & ! > $ 0
C& " QO ! -JB- ,@ A C@ @D +B@ A> ? E@C - + -C +-
+BC@@2 AD DD@D +B@ D@ -C + -A - J A+@D @A@CG ;KLQ
: 5 1 !$ 8 D O(" <Q B@ B @ ? @C +^- +B@
J, Ga +B@ @A@CG 4K<N !! $ &) O< 3 C LNM
B@ D A.@C - G A. + AD C-,, A. @A@CG2
E $ T AD) 2
SGC- B C 0 , &' %! 4O -C@ - ? ? @AD +B G +@ ?
+- +B@ J@-J,@2 J@C J@ + @ - +B@ %->C+2 .-C.@-> ,G
J A+@D2 @D ,E +@D +- +B@ . J A. ? >,+ +>D@ B@
B-,@ @A@CG S +,G D J- @D +- J+ +@ +B- @ .--D
->, 2 B- @ ^@+ a ;;QQ=:) $ " < # +2 7 U 8;KPN(
L<P 7 @A+ +- +B@ $ - ? B B J@ B@ @A@CG AD +B@
?> C@ - , >, +@D +- + U@ A ? AU AD2 +B + -AD@C
+B@ $@ -C ? + -A @ @C > @@D@D $ J/ , 0 ? &0(
$! (0 0 &%!! 2 T U@ - +B@ - @C 2 3 C+B 2
D 3 C & C -A 2 - C@ + A. +B@ B + A. - +B@ @A@CG +B
.C@ + AS @+G2 S) 1 / = B C$ $ $2Q
8@D "=(;ON " - @ @C B + A. +B@ @A@CG ? A
, @ ? G B @ E@@A $ >% < $ (0 SS S2
@AD) A "$ [+B@A @A*-G A. +B@ @A@CG B@C , @
? T , @ .@A@C , JJ@ C A @ - J, @ AD +
A +>C , @ +>C@ 2 C@. CD@D C- ? +B J +>C@ I>@
J-A+ - @ +B@ ..C@. +@ - J +>C@ I>@
@ +>C@ A , AD J@
;QK=%- & $. 0 Q=4 " @ ,--U EC- D A+- +B@ C@D
@,D # A +>C@2 AD %), +B@ D@, .B+ >,) @A C)
- A " , C@ +B@ ? ->A+ A2 AD +B@ @ B SK-S
1 ! " K O>+ AD@A A-+B@C .B+
7 B@A +B@ DC> ? E@ + D@ D- A .B+ %- ? ? AD A. C@ -
D@ +B +-, .B+ B@ D CUA@ - B@C -@A@CG S)
, & , OM " @ -@AC J+>C@D +B +B@ @A@CG -
+B@ , U@ +- +) U@ B-> @ A 9@ AD KQ! = U.
E 0 - 0) 8S!*D(O= U AD - J -A -C @A@CG
AD A +>C , E)>+ B . A@D A @S+C -CD A CG J- @C
- @C J@-J,@ ? AD SKKS - B) &) 0 8;KKL(
> 4<= AG-A@ +B @,, +-C@D ? @ ? -CG @ +@D EG
3 +-C @A@CG
E +B D@ A >. -CD JC@ S@D , - JJ, @D +-
+B@ C@D J@ + - , ->D AD UG
SK - 7 Q 3 7 . ? .0 H0 OO= B@ ?), @A @ -
A., BJ CU @CG) K 8) & 1. (
=K B@ @A+ C@ D) D 3 >A @A@ G >,,G JC@ @A+@D
+->) 4 0 0+ ==N 0 #A@ - +,)' ? - + ? JC@ @
J +>C@ - +C@@ @>@ G +B @ ? A @ @C E@B@,D
i - & +>C@ I>@A@ 1T $ T
2 $> % ,) ,0S 7U ;Q<Q > B
E> ,D A. D@J C+ C- ? C@.>, C+GZ+B@C@A- AD +B@A@ I> C@
- ? @+B A. -+ @A@CG EG +BE D@A+
! 8 7 +B $ AD 2(, AD J@ -C @
J +>C@ I>@ @J@ , -2 +B@ J +-C , C@JC@ @A+ Y
+ -A - , AD J@ - $ 0
& " (&) ! & ! LMQ B@ J,@ >C@
- -A+@ ? J, + A.) @ + C @+G- C D) A@S @ ? D@>
- ? @ ? @AD -C+B@ C@+ B@DA@ - - >C D @+) Q<= B 7
$ 0 $ KL @CG, ++,@ , @ A A.>) +>D ? U@ B@C@D
D@, -> @A@CG S!+= * $ (4 , O@ >+Y
> AD A @A@C @ C- ? @C +B@ U , >, ? AD AD S >A -JB +Y
+@D J ,,@+ - +B - C+BG D@? A AD S S
! " 2 + J,@ A@S+2 D>@ D? C + -A -
+B@ @A@C @ AD A+ I> + @ 4KQ< / S# & ! L
B@ B-> @ - ? -> ? @A2 +B@ @A@C @ - .C@ + @A+
! @ A @ ! B > + , F C2 #A@ B- B + 6D CC A.@
+B@ @A@ D>C A. +B@ J@ -A++ A @ - J, G
O>/ J # $ *) - L < " D-X@A @A@
B +@C ;QMN =< C 0 0S 2 B +) A@ ,> +@C ,
B +,@ ;KKQ ;) Q ..KV 03 $ S (P . O== O@Y
B AD +B@ @A@ +B@ @A@ B +@C AD CJ@A+@C @C@
@ .@C +- -A.C +>, +@ B ?
B ($O+J) < 8 ,0P - 0 NO 7 : @A -A @ +B @
C@ + ! @A@ !B +@C B ? D@ E A , 2 B B A-A@ A
D -E@G
! - ! @ B + . 1!T 10
SK !) &.$) &1 & 0 8;KP<(OSO B@ ? @ B A ,
D - D@A @ AD @A@ , + A. SKK $, - 0 $ (
4 , LL% L B@ 6A -A+@D ,@A @ - +B@) A@ B @ A.
! @A ' 8 6 U2 @ > U(2 $0 , - Q -@> -U@2
O-B@A -U2 Q K - U ^ 5 D) 8;=+B (2
D , ,3) (, ,3) (C$ B E@,-A. A.
+- +B@ + .@2 +B@ +C ,2 $- % V
-C 3 -A. A. +-+B@ + .@2DC ? + 2+B@ +C ,
, *& 0 *& $,) 0 , $- I 0 !)
, 8DC ? + ? @C+2 D) .> E@D C- ?
+B,@+ J-C+ (
L%KJ .) C $. (%& !0 6 J-A +B@ A@ AD @
- +B@ 5 ? -> ! @A U@ &-@+2 3 +@C 7 ,, ? !B U@ J@ C@
;M=N $. $ 10 !%3,& , 0 &-!+ C L AG B-
B D J@C> @D G->C -C ? @C B@A U C+ 2 +B + - ? @D @ -

G->C @ @A ! .@ 4Q K , " ,!0 , , < , 0 -C
* $ & (4QK4 9 0 C& " ,
ONN B@ C D >,@ - @A @SB E + -A ;Q<M = - (
< & 0 XKM C@, AD A- JC-D> @ , -.>@ - ! @,@EC +@D
@A C +@C ;KN< = . < ! ? $ S , 8 $+,D. ( ) OP
! B@ , +B + 2 @+@C A ? A .@C @@U B@A +B@G .A
C+ ,@ 2 A @A I> , + -A SKM< -X $) G)
ONO B@ @ @A @D @ C@ ? -A. + +B@ ? - + A+@C@ +Y
A.2 C@ ? A +B + B @ - ? @ D- A C- ? A+ I> +G ;KQ<
" 1 0 & ' & ;K @A ? U- & A

E $@JC@ @A+@D -A +B@ + .@
' C &!0 * ') " $ M;OD @A U
C+>@ -C ? +B@ C A. .@2 AD +C>+B D > @ B@C C D A @
C- ? +B@ + .@ ;KLK = . !&) 8 &* 0
LMN 8A-+@(B@ @A ! - C +@ B@C@ -,D B C ? ;KMK
9 = .3 & 5(OLQ B@, -A. DC A
,@ - + @A +B@DC ,B D E@@A D CU@A@D -U , >,,G2
+- -A @G A D@ - D ? C@, . -> .C AD@>C2 AD +
C B +@ +>C , J @
5 ++@D -C +B@ + .@
;KPQ C B ? ! " . 0 (;h9 & (K ? - +
J-J>, C AD , - +B@ !B , J@C A DC ?
D # -C E@,-A. A. +- + .@ @A@CG -C + .@
@ @ +
SKMK 9 = .3 & " OLN + +B@
.C@ + @A +C >? JB - +B@ J, G2 AD E>C + - .C AD
? > JJC-JC +@,G B@C ,D + @SB E + -A +- +B@ >D @A @
SKK - $! 0 < B@ / C ? B D D@.@A@C +@D
A+- ? @B ,@ -C +B@D J, G - @A J,@AD->C -C A.@A Y
-> ? B A@CG 4KK< , $ e Q ;L<
B A.@ - @A@ @C@ ,? - + >AUA- A A +B@ C@@U DC ? 2
+B@ @A J, A @ @C@ - +B@ ? J,@ + B C +@C
? 0 6 0 $@ @ ? E, A.2 -C , U@A@D + - 2 + .@ C@JC@Y
@A+ + -A AD + .@ @ @ + DC ? + - C C @ +C ,
A +G,@2
4KPQ 3 + = 8 $3 $1! $!. KP "@C B C+@
@C@ D@2 - +@A J-A+ A@-> 2 +B->.B J@CB J - ? @ B +
@A OKML : 7 - $ 8;KQM(S OOM "@
? J@,,@D +- E@ -A+C @A @ @ + AD >CJC @ ;KQN
:2 " (8 , 2 <L %BC + A+G
B +-CG >J@CA +>C ,2 AD , ? - + @A ;KQK $ " B
,& , ;< B@ , D E@. A B - +B@ @A D@ -
B +-)
T %&5 E@,-A. A. +- A +>C , @A@CG A C@ @A+
> @ E->AD A. A A@ @A@CG2) A. , ADY
J@ @
SK) 0 & S 2 B@ ->A+CG C->AD +B
+- A E@ A. @CG , +2 E C@ - @A A+@C@ + ;<NM , 13
$ (:>,G KQ S B@ C AD C>AU A , ,E@
@A , A@ L0 - (< $00 M :>,G O O B@ ! @A $,Y
G +B@ SB E + -A
! 7 +B C@ @C@A @ +- J A+ A. -C >,J+>C@ $@Y
JC@ @A+ A. @A@ 2 -C A D@A+ A B B @ @C ,
J@C -A C@ -A @CA@D
4K=K = # , $, 0= 0 QQ U B@ T 3 C+GCY
D- ? -) >C ? @ EG 0 @ ? O AD A@ / + +B@ >,J+-C2
CC A.@D ! @A E C@9@ 0 & $ 0
L 3 B@ ? - + J@C @ @A J +>C@ A ? @ -C,D OK<N
, < & , % 0 LNQ B@C@ C ,@
A+ .-A ? E@+ @@A B + D@ -C + @ AD B + @A
A J A+ A. +B A - ? @+ ? @ >JJ-@D
! @A ,8 A U ,2 @ A U,,(2 $0 , -P -@A
,,@2 936 -@A ,,2 Q K +@ - ,8,2 @A@- , =%0
%8 , > 3 &? - & a 3 0 D]
N; E@,-A. A. +- +B@ + .@ G $0
, , $! $- (*!$" (H & [L0
! + -+S
+=L0 !N +C $8- (, -+ B A ++> -A -
D J-C+@ @A ,@^ $,!) &) - , & -](
;PQ< (8;K=L(<Q 1 ->C E B-J B +B
-CE DD@A AD JC-B E +@D +B- @UGAD@ - @A ,, AD @A+@C
,>D@ J, G@ SM S B $ 0 !0 8;MO=(
OP4 @ B-A@ + AD B + J-C+ 2 @A , E@ @ 2 J, G@
L%; J =)) . \ 8 . *0 < * " + PQ B@ @A ,
B- - , " E@@A ? G +>+-C ,-A. A + ,G ;Q=< - .) 7
& - 6& ' 2 B- @ @A , C@JC@ @A+ + -A 2 B B
B@ J C+@J-C+@D +- B @ A @A+@D OKOL C B
(? , 0 7 U KMN 4 QP B +@ J -A CD
>) J@C -A2 +- J, G D + A + J C+ -C B C +@C
OK<N * 1$ O >. 2 @A , B@JC@ @A C-A @ + >
? -C@J- @C >,G +B A + > > @C A. 2 ? > ^A-+ +B@ A >@A @
- +B@ +U +C@ E@2 -A +B@ B-,) B+>C ? >, +- B C +@C
E +B J@ , C@ @C@A @ +- + .@ @A@CG
[Q<X SK L 4Q) (C 8;KPK(" < B@ @ @A ,
@ @ + @S +@D A .C@ + @ @ + -A A +B@ 3 I>@ ;KK=
) $. (C , 0 8;<NN(OLL B@ E@A @ -
@A , JJ@ , +- +B@ @A @ - .B+
/ 6 T 8%B @ ,G A E D @A @ ($@ @ ? E, A.2
-C , U@A@D +- 2 + .@ C@JC@ @A+ + -A AD + .@ ,,>Y
-A +B@ +C , A +G,@
WAO %J & - *$ 0 & >) * * # $ 7 U 2
YE ,A@ 3 @ ? -A.@C E AD,GA. BG @ ? , AD + .@
GU@ ! >JJ@C2 ,@+B J-A +B@ D@ D @CG E> G,G 900
- = & - * !0 < 0 8;ML=(=0 B + ? @ ? J>,,->
AD @A ,, J- ? J@2 +B@ ? J+G >CA +>C@ - JBC @2 B@C@Y
+B +B@ !+ .@2 AD ->C J@ ++G &-@+ ? JB,@+ ->AD -
E . OKLL FQ) 7 $1! 0OP >. 2 A EE-A2 A-+B A.
C@ ,2) D2 +C>@ @A ,2 AD2 + @C@2 @SB E +@D
EG AD,@, .B+ SK=!: = B 0 8 Ke-(OLL
+B@ >A @C @ AD 8) @+ +B@ @S ? J,@ - E@ A. @A ,2
B + B ,B AD@C C@, . -A C- ? E@ - ? A. B +C -A
E 5 + + -> 2 JC@+@AD@D ,,> -CG2 ? . A CG
A-+ C@+D -C .@A> A@ 1 (
8% 5,-C) S W= .) D) $ 1) ($1 !!&
- $ $ & , &) * $) 0+
S S- , 0) 0 8 < O=P B@C@ -C@
+B E>, > 2 A ,,2 +BG AD C D >,-> D > A +G ^-C .
&!& $ %$1) !& $($,$(, ,$] B +B , C@ @C@A @
A+-+B@ , >,,; M=L 8 ! (0;; 8A@ C@AD(2
B@ @ @A AD D@A+ D @C@A @ E@+ @@A > 2 AA-+
? U@ ? @ EC.@+ +B @ + - ? ? -A AD >A+J> B+ J C+ - > E-+B
XMM- - B - 5 & - * (+ S, MN 9 A. "@A +B@
@ @A+B ? > B +C->E,@D 8 B@ 7, - A+ +- G(+B
D-, 2 ! @ @ , $-G ,@++ 2 J--C J +G2 J+6 >,& ?) A 2 E-

[illegible]

[illegible]

[illegible]

8;K;K(O=P A-+B@C A @ + >CA B@D +B - ? +@C +
-C @A+b-C. A S) O & >) ONM
,U@A - @C,@+2 I> ,+@D AD J@C >?@D , U@ @A+ B@+
$ O) 5 31.0 ' &- &!0 ;<K - +B@ @ @A+ ,@
,, @D +B@ +@C?$' &,& $(;P< '0 0
M<O 5-C +B@C@ B ?@,, +B -+B@C E@ A.' ? A.,@D2 B@ B-+
@A+ A> ` A. B->AD C@ DC >@A +- D->E+ ;K<Q $!"
2 '< :>,G M L , @C AD @A@+ A ., @A+) C G
.3 ?$ $ MMN B@ @A+ +C-A. ! ,Y
,- @@J@+B +- AD C-b

! M 6 + 8 @A+(2 0 5-C? P Q 8< $ + @A+2
M Q @A+@2 8Q @A+(2 Q @A+ ^3 ' " 5
' +- @@,2 J@C @ @2 J@ 2 +- ?@,, b&C 2 !J 2
&*. ' (+ ' ' +- @@,2 J@C @ @
B@ J@,, A. , ' 8 -C +B AD +B@ E(D-@ A-+- >C A
->C ? +@C ,>A+ ,+B@ ;Q+B C@ , - +B@ @+G? -,-. ,
J@,, A. ' ++@?J+@D EG AD : % " C@ %)
$) (@D ;KLK(a

$-T # B->AD -C -+B@C A ? , - AD
-C +C U 8. ?@2 JC@G2 @+ (EG +B@ ?@,, 6-2 &
, ' &) T A , +@C > @ D , -2 "B D@C JJ, Y
+ -A2 - J@C -A AD A ? , -E@ -?@ C@ -
+B@ JC@ @A @ -C JJC- B - 2 -C +- C@ -.A X@ +
D + A @2 EG +B@ @A @ - ?@,, , - = $!"+(+-
AB ,@ +B@ ?@ , -V +- ?@,, +
, ;=NN $ &%<$- 83 ! / .EG ;KO(Q E2 7B A B C@
E@ G.@+@ +B +B@UGAD@ - -AGA.@ +B@ B->AD@ ,> + A-C
@A+ +B B@? A-+ .B+ WN @,@ $/>/ B 3 ' ;;Q
O G +B + + ?@ B@ B @ .-A@ 9S -CSSS J @ 2 +B@ ,-+ E@++@C2
AD +B@ B->AD B ,, @A+ B ? ?> B E@++@C 9&0
$ - 0 PK < & 0 O>+ - +2 ?@ +B AU@)@J+ +B@ 3 -CAY
A. GC@ OC @ @ ,@+ ?@ E@ ;MLK $ T
8@D O(4Q< @+ > .J@ @A+ +B@ % JG A GC@ X $
: +C 0 V -B T &! !&D) "& &) !4 ;QQ2; ?G @, B @
@ @A @A+@D C-? C +B@ @,@ + , !J @ S ++K L= <&&
) " 0 8@D =(ONN B@ C@ C@ B?@A+ B B @,+
-A @A+ A. +B@ J>A.@A+ J->C - CE-A +@ - ??-A
;KL= #(< % 0 .0 S LNQ #>C -S@A B D @A+@D +B@
+@C + D + A @ ;KPL : < ' ' !! 5*T SS S 8;KPM(
OL< E@ C AD + - >E 2 +B + B D E@@A @A+ A. ->C --+Y
? CU - +B@ D G E@ -C@ ;KQ; 1 C!$" 0 ' 0
OLN B@ @ A ? , ^C B@@J D-. a @A+ +B@ +C @,,@C
C-? A A C@D E,@ D + A @ ;KQK O- $% $
O<P U@ >,+>C@ @A+ A. +B@ C JC@G C

E 6 T - J@C @ @ EG ?@,, +- AD ->+
A + A + @,G +- D@+@ +
' *)1 ,$;M= -7@ B@ ,@ #A >JB@ AJ @
B + !# I> U, @ AA@ @A+@ B@C@ E DD@A .-,D@ D-+B@
,G@ $%A+ - . P = &)1! $ $.
0 C-,@+ A 8+B@ -A J C Ga &'0 B@ B@ D -
,,2 B@ -A@,G @A+@D ?@ $%J . 3 .)) ,. $-3
*$' 8;MKQ(=;M &@CB J A-+ @A+ A. +B@ /@).A +B@
%,- A ;KLL . $'$, - OM B@ C@, . ->
, @ B- ,, @A+ B@C@ G A @ @CG > B D@ A + -A
;KQN $, &&!1&" 0S ;KO2: +B->.B+) B@ ->,D
@A+ > ->+ ;K<Q : & ' , &! &' S 4 OOQ
%B ?E@C, A2 @A+ A. J- E,@ ? B @ ? D@ -C @D
? C B +- ?C + C
+- A @+G? -,-. , @A @ - D %@CA2 J@CY
@ @ 1 0 $ (
$/ % 7 !$', T S S ;SP !->,@ B ++@ @A @ -
+B A.@ +B->+ -C. A ,, @A @ AD B@A +B@G E@@ E>+
A @ 2 G@+ +B + B B ? A +C@+B +B@ -E*@ +2 !@A+@D +B
+B@ ? AD@ -A,G 4MN< % B . '0 &'0 8;MOL(O =2 " C
B-CA C@ +B@ JC-J@C -C. A>? - +B@ @A @ - @@, A. EG
B B2 +B +B@ , + +-> B2 +B@ O@@ -D A@,G @A+@+B AG
+ A. E,@ -E*@ +
/ ' T # B->AD -C -+B@C A ? , + -
J@C @ @ +B@ ?@,, &% 8+B@ I> CCG(1T E -
B>A+ EG +B@ @A @ - ?@,, , -2 +- T ?@,, E->+ 2
A +B@ C -C @A+
, ;=NN $ &%<$- 83 ! / .EG ;KO(;; S AD B@ B ,,
U@J@ BG? , G A E@ ?GDD@,, - +B@ +@C -C > @
+B + +B@ B->AD@ B ,, A-+ @A+ - BG? $/O =
C" - $!0 ;P4 O>+ #C ,,> >E+ ,@ ?@,, A. A B A->+
3 > + @A+2 AD .C>A+2 AD A@@D@ ,, AD@ + ->+ $%%>
= . C 0 0 L OQ< !- @A+@D +B@ .C ?5@ +>C@2 AD >J
+>CA D " - +C , D@ A+- +B@ ?>CUG C 8 6
' h&0 !$'"> $1! K B@ B->AD ->,D @A+ +B@ -,
->,D JC- ,
% 0 $ O%&O 1 = B 7B , W & 0 8OM= (ON O>+ +
,@A. +B +B@G E@. A +- @A+ +@C +B@ .GJ+ A .)
-@SB ,@ A -D->C2 +- ?@,,2 ^!- 5 ' 0]
- $ -C 1 (
%4=NN ? " OQMP B . CD@GA 2 >, - ? G ,->C 2
B@ B E) A - C@D-,@A+2 \ @A+GA - E->+@ ;PQK
& & ' S6 ML B@ @@D@ ? ,, AD E, U2 AD
@A+ A. , U@ $- A ;MM= ' B $ $!0 $ 8;MMP(MM
+-A@ +B + ?@,, ->,G B@A + `WE,- A -A2 AD +B@ B CD@C
-A@ E,- @ 2 +B@ +C-A.@C + @A+ M) - 0 ' $
%" CT ;KO B@ 5C> + B@A C@@ @A+ , U@ >CJ@A+ A@
K=L +) ' > - * &% ;OP 7 J,> ? @D
%@CE@C> 2 -C B@ @I+@D- ?> U + +B@D + A @- ,@ .>@2
C@,@ @D >
% L $%JK = 7 \ - .) $ $! &2 " !@ -A
A- G->C G->+B 7 +B -A@ EC >@ +B A. 2 AD + C ,, +B@
-D->C2 AD -A G->C -?E@ !@A+ , U@ @@+ -GU AD 5C AUY
A @A @ L%& -B. . &!" Z% C &% T S LO; !> B
+B@ C@ B A +>C@ - -?@ ?E .@ 2 A-+ J@A+ JC@Y
@A+,G2 +B@G @A+ ,, K M ! $!@C ;; < ' ! "!
' ' (B@G ! C 7 ,, ? @?J,@ @ G a @A+
- ?@.>@A2 AD +B@ " .>@ ;KL; $ > $ T LK=
B@ @CG C W @A+ - UA @CG
! $' T ^5C-? +B@ E a - ?JC@.A +@ +B A
-D->C +- J@C >?@
;M<Q) ! T < & (A M) 7 +B !?- U - E>CA A.
%@D C @A+ +BG 7 ,, 2 QOP 1 " 0 L<K A
B>ADC@D ,+ C C @2 AD B) +E A. -D->C @A+ +B@E ,?G
U @ 4Q<L . 1 0 2 3 $- * 0 ;=Q -
D@ -G B ?2 +B@ B>A+@C @A+ +B@ .C->AD +B DC>. ;KLQ
C ,. T 2 B@ B>ADC@D J@C >?@ - +B@ , ++,@
- @C . CD@A @A+@D +B@ C C->AD ;K<< E1) > " T
0 , QMO B@ - A+?@A+ ? G E@ @A+@D +B AG
@ @A+ , - ,
#

*2) ! $
2) %) ./% !0 $0 K $ 5?$L
7 +B JC@ S@D D AD- @D +B +B@ J- @C
- +C U A. EG @A @ - ?@,, 1 0
' 9 * ' G * ($!0 J /@D 2 !- 3 C-+2
! A X C> 2 AD -+B@C &-@+@ 2 B- @ -+ A. +B >+B-C
@ @CG B@C@ -,,- @+B G@+ - @ 2 E>+ +B@G E@ @,
@A+@D2 A +C @ B ? ->+ ;MPM . = +C ?&,,$3
! ' 0% T C$ '$ T ;0 ,6 4N= B@C@ @C@ O@ .,@
B B @C@ @CG @,, @A+@D +- AD ->+ ,D E@ + 2
/ ?JC@.A +@D +B J@C >?@ J@C >?@D
, ' ,$* ($ @@ 1 1W3 =
O>I ' L;K & C A @A+@D +C@ @ AD
? +C@ . G ;KLN X (;;=< B@ @A+@D - J
E@ A. J>+ A+- +B@ C ?@ 2 J@@D ,G -A -, D +@ SK)
& O C %) - " 8@D =(L;M ! @A+@D B@,, @A@+ A
!B@,, C@ +@@J@D A+- +B@ @A+ 7B@A DCG +B@ @ B@,,
,, @C @ -C J@C >? A. *@ @, @ AD -CU E-S@
B + B @A+ -C J@C >?@ @SB , A. @A+
R . 0 & - =A)$ T OQM #A@ - +B@ >E+,@ +
AD +C-A.@ + @A+@D /C>. \ $> & 81 $. ;P;
B@ @A+,@ AD +B@ @A+@D C- @) SK) 3 2 .) 1 3
-$' ' S, 2 B@ @A+@D J A@ - ! +X@C, AD2 SKKM
\ ' ..) C!$' 3'T(! @A+@D 5@CA . &) - &*3
" /@

2) .$ K $ 1 OL
1 1 / 3!$
' ' &) 0
SM S %- $25 S ? & @A+@C2 ?@,,@C2 @A+@C $ J '
<) !@C ;; 8+KMM(LNQ B@ @A+@C ->+ ^J a- ,,@.-C @
! >+ - , 8 @A+ ,(2 $0 ^ 10 i 5 a
5>,, - -C E->AD A. A J@C >?@ C .C A+
L/ LA C&!"T&!10 S 4<M B@ @A+ >,, % ?-? ,,
f 3 7 &!) ' $) $ 6 L= 1@ E,- -? 22 @AD
G->C @A+ >, +C E>+@ +- +B@ U @
: ;$ 3 $ 1 0
0 SD M 7 8 ? T C$ 0 ;; PP 5-C B-? 8B D B@
A-+ - E@@A@ A->C B@D(B@ @A+ >,, # JC@G EG +B@ $- U@
B D B'D

, ' 8 @?+ .(2 1!T 1T ^ 6 3
, B@ + -A - +B@ @CE
' ..) $ 0 0 &' (!$ - ' (?@,, A.2
@A+ A. ;KP) ') ' 0 e L 8;KM=(;MM A
@A+ A.2 J- A+@C U@@J B A- @ ,- @ +- +B@ .C->AD) ;KPP
& !! C % - " +-- B@ J@C >?@C > @ ?>) JC A J ,,G
A +B@ @A+ A. - - J2 S) - $.) 8) I &T Q
%& - 8;K<;(#88 A >A> > ,,G D >,+ +C + - ->A+CG
B@C@ T @A+ A.' ,- 2
E !@A + -A 1 0 $ & V
L/ > B C&!(!" ' 3 ' T OO O@@ B @ ,, +B@ @
@A @ 2 +B->.B +B@C@ D- A-+ JJ@ C ,, +B- @ ->+ CD #C. A
- @A+ A.2 B B -?@ -+B@C A ? , B @
*2 B) !)4 **!($0 56 0 ;' <=^ D
B + @SB ,@ A -D->C -C J@C >?@
PQQ :) .. !&2 &% * (OO E2 ! +C-A. @A+GA.
@@U@ - C@B+ A@ ;P<P C(?!$', $ " ' 8;K<N(
O;M ,, - +,G #D-C AD @@+ @ + A. J @ ;QQK
1 - ' >V !! S- B@ @A+ A. - , ? G E@ > @D
?@A+ -A@D -J C +
/ # #C J, A A. +- B>A) . EG @A+ F
B-++AD B + B>A+ EG @A+ *& ' T # D G2
->A+CG %B C +@C X@D EG +B@ JC@ ,@A @ -
8.--D2 E D2 @+ (@A+
K/>> :) .. !&2 &% * 0 P; B@ @A+GA. B->AD
J>C >D@ +B@ B +,@ " C@ - --+@ 5 2 - I) &' ,!&'
2 7 B@A AG +B A) A +B@ ,@ + ->C@D B ?2 E D
@A+ A. D G2 -C DJ+@ ? J@C ? -A. B B->AD ;K<Q
? ' ," ,!0 *& 3L " ,, E@ @,, +- @,@ + . --D @A+Y
A. - @C+2 -C +B@ C + ? -CA A.
2) !)4:EJ)" $ MM .$L
*2) :) = ?./ $T K $ 1T ! O $L
: :$ 4 2 $ 1 T $ G 0
$ +/ .3 ?$ $;; ? 2 - ;=QL B@ C
D@ 2 D>,, D-, 2 @A+ ,@ @2 .B+ @) 2 D> JE
/ 7 +B->+ -D-AC -C J@C >?@
$ MSK ! !+ $ 0 - :+ 7 U 8 C+(;K
O G 5 +B +BC@@ "@EC@ 2 @ J@ +B@ C . A. 5 C@ 8 B@ C
@CG . C?@A+ W@A+ ,@ @ AD @A+ C@(;QPM 8
$ <K B A) D+@A+ E@ -C@ ? S+>C@ @A+,@
;K;L = $ & &%) - - SM 7 B@C@ +BG ? +@
- +B@ . CD@A @ @A+,@ AD D@ D ;KQN ') 0
!& $ == 5,- @C @A+,@ 2
) ' ' 0 # .C->AD B + D-@ A-+ CCG
@A+
SKK- 2) ' ' &) ' , O;K 5-S@ V
-A ,,G +C @, -A +- +B@ @ @A+,@ B@ .B+ C-? +B@ ,@
* $b ! $ $ 5 $ 9 $
! @JJ@2 ! @JJ@C2 C A+ - T $ 9 $$
*2 $! 8 U@ J (^ C +C @)+ AI> CG2
B@ + >-A2 D->E+2 $ 9)QC q K+ @@ $.
! @J+ , ++ +>D@ A JB ,- -JBG
;K) : & $ C % 0 8;K<;(<= ?-A. +B@ C
JC-D> + @C@ 8B@ G +@? - - U@2 +B@ @J - ">?@2
+B@ C + , JB ,- -JBG - 9 A+
*2 $!2 3 2 8 U@ J+ U(2 $T AD 10 ^ D
5 , * D) D* AD E 2 -C 6 ->C @ , +@ *3
,) = , * , T J 2 +B@ ! @J+ (2 , + AI> C A.2
C@ @ + @2 >?@D EG +B@ D J,@ - &GCCB-
+B@ C D + A + @ @J +B@+ C q C A $ gd \$ +-
,--U ->+2 -A D@C2 E, >+ C - N - C A
+- ,--U2 %V & + B? A2 ? CU +- ? +2 @+
@@ $ 10 > $ $, * ,&(&. , * ,&(+
, ,&(. * ., O ((. * , D*
A 5C +B@ , JC-A->A @D 8(A , * O A A.
D C@ + C@ ->C @ +- C@@U JC-D> @D +B@ JC-A>A + -A +B
8 U(B@ J@,, A. +B .3(-C B B . ! - >C A
+B@ @ C, @ + A + A @2 AD B E@@A > @D - EG, +@C C +@C
+ D-J+@D +B->+ -??@A+ -C ,+@CA + @ A :-BA -A'

/ + -A CG2 E>+ D D A-+ E@ -?@ .@A@C , A A., AD A +B@
6 ! + +B@ -CD A CG -C? a
$ B0 fb : ($0 - $ @S +B@
@J +B@+ - B--, - JB ,- -JB@C 8 @@ O (
g 4PQP B 0 & $' &!* @CA 7C +
8! ! (PQ2 A A-+ + U G-> -C A@ !+- U JB ,- -JB@C2 -C
A@ C,@ - $ ' U@J+ Ua B C+ +B + + U > ,DC
+BGA. AD @C@A+ O/O = !!$' ;Q= 5G@
,,> 2 B +2 !U@J, U&GCCB-? + ^ a SM!= 9 .
N&& &- $ OO; % ,, A.2 B>?E,@ / > + , +G +@C >C+B@C $@ Y
-A2 AD / - @C() ! @J+ U A -A + A G ;QN< 6
& $! OQ 6 A. UA- A ! @J+ U CA ,@.@2 AD
@C+ A. +C@A>-> ,G +B@ % > @ B @ B +B@C+- -JJ- D
5NG & - 0 $! ;= !@J+ 2 B@ @J+ .@-,-. + - +B@
OC + B - + -A) ;KML 7 .7 3 $1 $ L
5C@@ C-? +B@ @J+ D +C> + >,A@ - -??-A
0 1T

C !& T #A@ B-2, U@ &GCCB- AD B -,,- @C
A C@@U A+ I> +G2 D->E+ +B@ J- E , +G - C@ ,
UA- ,@D.@ - AG U AD: -A@ B- B-,D +B + +B@C@
C@ A- D@I> +@ .C->AD -C @C+ A+G +- +B@ +C>+B
- AG JC-J- + -A B +@ @C , -2 - +@A JJ, @D
A B +-C ,,G ,@ -CC@ + @A @2 +- +B- @ B-
D@AG +B@ -?J@+@A @ - C@ -A2 -C +B@ @S +@A @ -
AG*> + + -A -C @C+ +>D@2 ->+ D@ +B@ , ? + -
@SJ@C @A @2
;) Q< .) 7 &' $" 8;PNO(;N B@C@ A D@@D@
U AD@ - &B ,- -JB@C ,,@D ! @J+ U %+B + +- G
/->E+@C (B B D D C +B@C > J@AD +B@ C :>D.@?@A+ -AY
@CA A. +B@ -DB@ D +B@A ,, + A I>@ + -A SM-K 1 ' ..
$ $, 0 ;P; "@@ ! @J+ U@2 AD D C@ B CD,G .,>@ C@D +
+- B @A @ 2 $ O%JO C$ $ &5 8;MPO(OO B@ !U@J
+ U@2 B B D->E+ ,,2 ?-C@ -A+@A+ -> +B@A @ +B@C
% = 7 <)$ $' + AD B @ @G@ +--
B @ A# E@, @ A +B@ C >C A @2 ?> + +>CA @J+ U
SMM < . 3 .. $'0 & -0) /@D 2 %-A D@A @ A>A @CY
+ A+ @ +B@ .C@ +@ + @A@?G +- B + @C+ A AD @C@
! @J+ U2 CD@ J,@ D -C /-. ? + A. $>% ">& B
0 $ 0 8;KL=(PQM ? *V++- +B AU +B@C@ A@ @C G@+ B
C@ ,,G E@@A > B ?-A +@C A +B@ -C,D +B-C->.B
@J+ L L 81 &' $0 ;LK " - @'@C A.@A -> -A
B D C, A. +B@?@ @J+ A JB ,- -JBG ? G @@? ^@+ a
$ >A = . &! $ 8;K)(S B@ -,D B -A@D A-?@AY
, +>C@ J>+ B ?D- A ?-A. @J+ ;K<L: #) C C(
B@ !U@J+ - +B@ + , A $@A A @
/ #A@ B- D->E+ +B@ , D +G - B + , ?
+- E@ UA- ,@D.@ A -?@ J C+ >, C D@J C+?@A+ -
AI> CG 8@ . ?@+ JBG 2 +B@-,-.G2 A +>C , @A @2
@+ (*&*)!$!"(-A@ B- ? A+ A D->E+ A.
++ +>D@ +B C@ @C@A @ +- -?@ J C+ >, C I>@ + -A
-C + +@?) , -2 -A@ B- B E +> ,,G) , A@D
C +B@C +J D->E+ +B A +- E@, @ @ AG @C+ -A -C
JJ C@A+ + +B + -?@ E@ -C@ B ? J@C -A -
@J+ , +@?J@C
5 0 $, 0 0?& "&% $' &B ,- -JB@C2 ,,@+B +B@
B@ D2 +B@ B@ +2 AD +B@ E@,,G2 JC A) , #C. A 2 E@ > @ +B@
?- + CC@ -,>+@ ! @J+)@2 AA-+ ->+ D+A- ,@D.@ +B@ C
+ -A AD D >@C @ -?J- + -A 4MLN L $' > ( )
O* A +B@ ?@ A+ ?@ ? ! @J+ U2 AD UA-
,++,@ A +B B-,@ D- +C A@ - !JC + 2 AD J C +> , -CUY
A. 2 >C+B@C +B A ! C J+>C@ ,@ C,G C@ @ ,@+B ;MLQ c $ 0
&'% ' L=O @ + ,, -ADA>@ ! @J+ U A +B@ @++,@Y
?@A+ - %B>C B AD / - +C A@ ;Q) C ' & ,HH0 ;L
B@ /-. ? + + A B +@ +- E@, @ @ -?@+B A. B@
! @J+ U ,, A-++ U@ & A +- @ C B B A. +- +B@ O-++-?2
E>+ B@A B@ @@ / >, @ -A E-+B ! D@ C@ -, @ +- *3
,@ @ A@ +B@C -)+E*) $>>O # 0 C 0 ! &' S-O
@ @CG @J+ U A B@-,-.G +@ B B -,, @) +B@C@ A
E@ A- C@, ?-A ;KON 3 - $ 0 $!(, ;P= +B@
+ ?@ +B +B-A->C B E@@A D->E+@D2 AD @C@ +B@ , +2 C-?
AG -+B@C @J+ O & $ &! S 2 O>+ -A@ ? ,@
- +B@ @J+ -C +B@ -C D ? A @@A -A +B@ J , A. ,)
- +B- @ JC@ @A+2 C $!! $!!<0 Q - 2 O O 7 B- G
+B@C@ A-C-? A @ A --D @+ +B@ ! @J+ +>CA +- T SV?
/- ?@
* ,0 #A@ B- D->E+ 2 +B->+ E -,>+@,G
D@AG A.2 +B@ +C>+B - +B@ %BC + + C@, . -A -C
?J-C+ A+ J C+ - + - +@A !&& !"(A >AE@, @ @C
A %BC + A +G2 A A D@,
;KPW B; 78 ! 0C &T BC@ e K! - A +B@ + -C
! @J+ I>@ ? G A-+ -A ,>D@ @,,2 ;) = ! +
%BC + A $@, . -A' JJ@ , C-? +B@ .C->AD,@ JC@*>D @
- ! @J+ U +- +B@ O C - %-??-A $@ -A ;QS;
' : $ 0 0 C .0 8;K=Q(;P= B 2
> B ?@A ->,D A-+ . @ > B D A+ .@ +- D@ + AD
@JD@ L L 1 $ " OM; B@C@ @J+ C@ +2
+,, A C@ A. +BC-A. 4KML $ O <). '$ T
, * , - ;NN A , +@A A. +- +B@ C.>?@A+ - @J+
G-> C@ EC@ +B A. J- -A-> +?- JB@C@
! # > @D +B C@ @C@A @ +- +B@ @+G? -,-. ,
@A @ @@U@C +@C +C>+B A AI> C@C B- B
A-+ G@+ CC @D + D@ A +@ -A + -A
$ SMSK . 7 , * ,. 8;M);(; B@ ! @J+ U D-+B A@ +B@C
C?2 A@ +B@C D@A @ AG &- + -A E>+ D->E+@+B - +2 AD
-JJJ @+B B $@) A . A + +B + B B C?@D2 -C
D@A @D +-*> + @ B A-+ %-A @A+ A. K%JJ< B)
7B B +@?@C +G2 B +B2 @ @@2 ?) @ -?@J--C ->, +>CA
@J+ U AD !@@U@C +@C +C>@ $@, . K) <
C!$ & O;O !@ @C , C+ - A+ I> +G -A D@C@D &, +-
@ @A+ ,,G @J+] +B + 2 !@ C B@C MC AI+ C@C2 A-+
C@ B A. AG >C@D -C JC- @D C@ >,+ ;KQN 3 / + 8
$ 2 0 C ! 0 SS O=K ! @J+ 2 +B@A2 -A@ B- B D@
B @G@ A -CD@C +- ,--U +@ D)+,G + +B A.
T $!! 1T $' &- 1(($ * , $'"% ' T(
, * ,3! . (3 ' D*
;QN< 6 & $! ; + LK O>+ E-C@ +B ?@ B@A
+C@ +@D ,, B B->.B+ -A CG AD B@A ! @J+ U
, U@ >AC @,'D B !G +@? 4QS+] $ $, 0 ? ,0
% 0 QO B@ E@ + %BC + A A +B@ 7 -C,D2 B-) D@
@AD -A,G -A " +-CG AD C D + -A -C B O@, @ A +B@ @
' C+ >, C 2 + E@ + E>+ ! @J+ U %BC + A 1 0
OKK - D@? +B@ E@++@C +B B d! @J+ U 5C @AD2 B@ ,,

. A +-'J@C -A + A. SQSS ' : $ 0 0C (
8;K=Q(OMQ "@ ? G C@. ,@ B +B@ + C DD@A2 -C +B@ +
C DD@A2 -C @J+ C DD@A -C D@ , C DD@A ? AD

! @J+ ,2 U@J+ , 8 U@ J+ U ,(2 $0 ^
!-"& , i a # J@C -A A , A@D +- -C
?EA@D +B @J+ ? 8 A +B@ C -> @A @ -
+B + -CD(A ?-D@? > @ - +@A2 D>E -> -C AY
C@D>,-> E # D- +C A@ 2 -J A -A 2 @+ %B CY
+@C + - @J+ - +B@ A +>C@ - @J+ ?

L%J - B.. &!" $ 8;M=N(OQM /@ C A. C +B@C
+- # @J+ ,, +B@A D@ A + @ A +B@ > @ - -D *>D.@Y
?@A+ ;MMN 1 $ " ;P 3 G2) CD AD ,U@D
+-.@+B@C + ,U A. +-.@+B@C >J-A C@, . -A2 B@C@ A B@ 2
J@C @ @2 B-,,G @J+ ,2 G A.2 +B + AD@@D +B@ &C-+@ +Y
A+ +- +B@ %B>C A - 9-?@ C@ B-,,G A + ->@ ;QLD
B . '$!0 =O B@C@ A- !-C+ - C->AD -C E@ A.
+B> JC@ >?J+>-> 2 @ @A >J-A +B@ ?- + @J+ ,&C A J,@
;QKK B *0$ 0 ($!" 7 U ;KO; 2 KO B@C@
@C@ + +B + + ?@2 + @@? 2 A % , >++ U@D @J+ ,
@+ - J@-J,@2 B- -?@B- -C -+B@C E@, @ @D2 +B + B>? A
.@A G -A @CA@D A +B @,@ + @ $ @,@ +C a \B2
? B ?@ - @CG -JJ-C+>A@,G L .) 8 8
) OL; B@C@ @A @ A B B @ @CG .@ E->AD +- E@
@J+ , L & 9 8 .. C !& 0 '), 0 , 0 8;K=Q(:: =MP
B@ % + +C-JB +' D-.? + ? >AD@C? A@D EG +B@ 6A
-C? + C A' U@J+ ,BGJ-+B@ @ ;KK= . C ' 0) , Q
- ' m@D O(=LP 3 AG @J+ , G A. A-+B A. ?-C@ +B A
E-CC- @D C+ ,@2 J U@D >J AD C@+ ,@D EG B ? B- G
+2 E@ > @ + @@? ,@ @C $ / $) : ;PQ "@
-A+ A>@D +B@ @J+ , C.>?@A+ B@ B D -??@A @D

! @J+ ,,G2 U@J+ ,,G 8LU@J+ U ,+(2 > X
^ !- &3# i 1O* A @J+ , ? AA@C
, U@ @J+

^;MLL @@ ! & % 1 $ 0] $%>$ 9 $!3
!& 0 K= B A. E@ A. G@+ - C) -? E@ A. @C+ A,G
UA- A +B + : D C@ E>+ ! @J+ ,,G +C@ + - +B@? $>+0
1 $ $,0 8;Q;;(" ,0 %!0 ;; Q= "@ -AY
D@ @AD@D + ,,2 -A ? AG - -A 2 +- J@ U @J+ ,,G2 AD
+B -?@ "@ + + -A AD $@ @C @2 +- +B@ %@C+ A+G -
+B@ @ / A@ SB E + -A $ JO ' .. 0) 0 ;;;
" ONL @A +B ^+B@ +-? +B@-CGa B E@@A @J+ ,,G
@J+@D EG ->C >+ -> B--, - JB ,- -JBG SKK $ 3
* T $ 0 3 G NNK 7 B@C@ D D +B@G .@+ +B@ E A*- U@D
:-A@ 2 U@J+ ,,G

+! @J+ >@ 2 U J+ ,A@ 0
$ 0 0? : (i ?! B@ TE(4 *+ 70
D7 < * 7 7?3- K =D-L* D(4

U -B.. -0) $', 8OM=Q(=%-A+ A> ,, @CY
A.2 -C ! @J+ ,A@ -A @CA A. ->C % ,, A. AD ,@ + -A

! @J+ ?2 U@J+ ? 8 U@J+ X ?(
^ D ? -D , * , -) (?, +@ , * ,3) @@
, : (< 2 ?4 , * , '
C !& 0 B@ D- +C A@ - +B@ ! @J+ +B@
-J A -A +B + C@ , UA- ,@D.@ - AG U AD >AY
++ A E,@

S3S . B <!& & 0 8@D O(2 , * , - +B@ / - +C A@ -C
-J A -A - +B@ , * ,. 0 OMQ C !0 $' 0 PNK; "@C@
B@ + U@+B - -A +- @S ? A@ &GCCB-A ?@ -C ! @J+ ?@2
JC- @ @D EG !@ + - ?@A +B + J@ U -+B@C @ +B A +B@G
+B AU ;Q) Q= B 0 $ 0 8;KL=(PQM B@C@ A
C- J- + @A@ A ,, @J+ ?2 A >AC@ @C @D -A D@A @
A +B@ +C@A.+B - +B- @ C.>?@A+ +B + C@ ,,@.@D +- - @CY
+BC- ,, +B@ UA- ,@D.@ - ? AU AD ;K=N 9 8 .. C !& 0
'), 0 , 0 8;K=Q("b MPP B@C@ EG A- ?@ A AG .C->AD
- .@A@C , U@J+ ? +B C@. CD +- +C>+B A -, @D A +B@
D- +C A@ - +B@ A@ @ CG -?E A + -A - + -@,@?@A+ A ,,
->C UA- ,@D.@ 4) 11 - !0 # + KO %-A +@A+
C + -A , ? , G A +B@ @AD -,, J @ A+- @J+ ?
/ ! @J+ , ++ +>D@ A C@, + -A +- -?@ J C+ >, C
EC A B - @A @ D->E+ -C A C@D>, +G +- +B@
+C>+B - -?@ @C+ -A -C >JJ- @D + , -2
D J- + -A +- D->E+ -C A C@D>, +G A .@A@C ,
? +C> + >,A@ @J+ , +@?J@C

;M=M) 8) <$' '$ OPM 5 C +EC A. A ! @J+
?) a A / - +C A@ AD,-- @A@ @ - , @2 AD +@C CD ,,
+B@ ? ;MMO < . 3 .. $'0 & - 0 I J /@D 2 ! @J+ Y
? ,@ C@JC@B@A E,@ A @AI > C A. G@ C OQQM <
,! ' 0 S 8OQKO(MNO + +@ - @J+ ? AD
> J@A @? G ?> @ @ AI> + @? AD OKO & *0
0 ONL "@ , ++,@ + A+@D +B +B@ @J+ ? -
+B + C B JC@, +@ B- I> , @D B D? C + -A - >,, @C'
C @, EG B A+ A.2 +B + +B@C@ @C@ -?@ +B A. A +B@? -
B B B@ B D B D->E+ OKK< . ' "-0 S, 2
ADG? -A B D - +@A , +@A@D2 B , +B -ADA@ AD B ,
+B U@J+ ?2 +- 7 ,D@C B C@ D , + A.2 -A +B@ B C +@C
AD I> , + @ - ? -.@A@
/ ->E+ -C >AE@, @ +B C@. CD +- +B@ %BC + A
C@, . -A % : O L

SK-- 0 6 '!0 OOQ B@ .@A@C , JC@ ,@A @ - A Y
D@, +G AD @J+ ? B E@@A2 +B -?@ D@.C@@ - *> + @2
++C E>+@D +- @A+B> ? A C@, . -A ;KLM '
) - * 8OKQM(LOO ! @J+ ? ? G E@ >?@D A @S > @
-C ??-C ,+G OKK= . C ',0) , - ' 8@D O(=LL
.>@ U AD - @J+ ? -C .A- + ? -A@ - +B@
-??-A@ + J C +> , D @ @ A +B .@A@C + -A

+ ! -@O)+ +G 1 0 $ c 0 ^ : i
a B@ I> , +G - E@ A. @J+ ,2

;MPN) . C$ $ &5 J / @D 7 B@+B@C ?G
! @J+ +G2 @ @A A > B -+ -A E@ A-+ @ D@A @ +C-A.
@A->.B

! @J+ X@ 8 U@ J+ X(2 0 0? : Q T !
&' 0 7 +B 2" - C@? - @ 8 @C+ A+G(
EG + A. D->E+ >J-A + JC-- 0

SMKS $ $), -) A :A+C-D O B@ ?-C@ >E+,@
^>AE) @ @C a C@ C@ DG +- ! @J+ X@ G +B- @ .C->AD
/ ' 0 - J, G +B@ @J+ +- + U@ >J +B@ J- Y
+ -A - JB ,- -JB , D->E+@C2

;M<K " O 1) & ' 0M "@ B +B .C@ + ? AD +-
! @J+ X@2 AD +- ? A+ A & C D-S@ 4QN< # '
& $! ;; == 1-> A -CD +- @J+ X@ B@C@ A - -A@
@, @ ,, - ? > B B@ + +@ VK=N A ! ' A -0

8;K<Q(OQK 1->> @D +- @J+ X@ + ,, @ E-+B C A G
4K<L $ (1 OP - == S 3 C # @A E@ +D@ C E@D
@J++ A. *&) ' ,&) ' ! $ 0

+ ! @ J + , G 2 $ 0 0 " : ((
CZ # A $- > &!! , 0 8# " ! (<2 2 B-
U@J+ U,G@ C @D C@ J@ U@
! @J+ C@2 -E -C? - : 0
+ ! @ J + ? 0 $ 0 ^0 D,G -C?@D -A
: 9 + (! " : 2

;M) : & ' & ! $ <M 7 +B->+ >E C E A.
+- &C-+ .-C@ A ! @J+ ?2 B + B B +C>@ A -A@ J, @2
? G E@ , @ A A-+B@C

! @J+C , 8 @'J+C ,(2 $0 0? : i (!
&@C+ A A. +- @J+C@ @C A. @J+C@
;KLK $ > d 0 4 ==Q [@> .C J +B@ @J+C ,
, .B+A A. - +B@ C $ >> . ** SSS + 2 B@
% CC @C2 E-C@ +B E@A+ C? AD @+ ?> ,@ +B@ @J+C ,
B J - +B@ ? ,G A & 8 B) - - &! $"
OO ! @J+C , +@? E-C@ + C B- @C@ .A @AD>C@ 2 A-+ ,- @C
+B +

! @J+C@ 8 @ J+L=(2 10 5-C? L M -@J+C@2 =
@J+ C@2 P @J+>C8@2 @J+GC2 P M @J+->C2 M
-@J+@C = @J+ C2 = M @J+-C2 @J+C@2 @J+>C8@2
= Q @J+@C2 P D J+@C2 @J+@C@2 P M @J+-C C8@2 M
@J+ C = @J+ C8@2 @J+C@@2 P @J+->C@2 P M
@J+>C@2 M @J+ C2 M < @J+@C2 = @J+C@
^3 , * * , * #52 , * 3(, *
8?-D 5 , * >+ I *0, &(&. , * & + , &
, &(D , *) " , *) -0(C $, B *&
+ 2 @J+C@2 C--+ - $V ,?& +- JC-J -A@ @, 2
,@ A -A -?@+B A. a

A -CA ?@A+ , C-D -C AD 8- +@A - .-,D AD
*@ @,,@D(E-CA@ A +B@ B AD G?E-, - C@. , -C
?J@C , >+B-C +G
A A., AD +B@ C-G , @A+ +- E ,, J @D EG & C, ?@A+
.A #D EG +B@ U A.' +-> B A. + +B E @J+C@
$ OLNN) & (QKML J @++ @J+C@ A B B A)]L$? A
,@J@ UGA. AD 4L=- ' 1 . C $! 8: A+ POO
! @J+ C@ E@ UGA. AD2 HLP E + UGA B J-> +@ , $J %
B &'.> (LPM= AD B@ +B + E C +B@ @J+C@
>, - ,->C@ !B , B@C@ D + B C@ - +@ -C +- I>G+@
$ O=NN)N ! 5$' PNO J@ U A. @++ A B ,@ +B
@J+@C ? B AD O=LN)) 7 ?&, $? S6 a 8;=<=(
/ *E2 ! @CD@2 @J+C@ ;SPP= @J+@C2 ;PPK @ J+@Ca C- A@
A + +@ ?J@C ,, , ;) P A) !$' C$* 8% ?D@A(
S- @J+C@ +B +B@ D- @2 AD C-DD - .-,D -C +B@
9 A.2 AD +B @J+C@ - >@C@ , - +B D- @ AD
A -+B@C C-DD - .-,D , -2 -C +B@ F>@A@ ;PSL)R
8 0 1) ; ;P; / >U@ A.G +> A B-A->C @S @,Y
,@A+2 7 +B @J+C@ AD C- A@ GC + C@G.A@D C-G ,,G2 A///
) ,$ 8 CE (;O= !B@ JJ@ C@D +- +B@? B UGA.@
@J+@C A B@C B AD@ 4P<M , .0 0 O<N
" ! @J+@C B@ @ +B@ -C @ - +@?J-C ,, J- @C2 B@ ++C Y
E>+@ +- @ AD 3 @ + @ ;MOL] '0 5 2 LK
7 B-' +B + +B + E@ C@ +B@ ! @J+@C 3 CI>@ @ / -C @+
OMK< &' 0 <$ 0 - O=M; L B + E@ A. +-> B@D +B
+B@ ! @J+@C2 +B@ &C@ D@A+ D*->CA@D +B@ & C, ?@A+ +- +B@
OQ+B - +B A + A+ :>A@ ;QPM) +C V " ! C $ 0 8OQMN(
LPL B@ .>C@ - @J+C@ A ,- @D +B A C@ +A -
C- A AD @J+C@ A+@C - @A OKSL - 0 A
* @ C EG @J+C@ AD EG -CD2 E@,+@D UA .B+ AD
OC + A' ,-CD2 S) S O . $) 8;KQP(ONP !-
+ 2, U@ +B@ 9 A. >J-A B +BC-A@ B-,D +B@ @J+C@2 B@C@2
] AD , U +B@ C- A ,-A@ SKK) B $ ' - $:
O=Q B@ @ .,@ +B JC@ D A. >J-A E -CG @J+C@2

E 0 C@JC@ @A+ + -A - +B

SMS- < B .. $! " - (8SM S(O<; B@ 5 @,D ,>J +@C2
! @J+@C $- ,, A & ,@ ;KL; " 1 $! " A
' , " , !0 &*0 M;= O) + A-+ > > ,2 E>+ "@C ,D AD
,,- E,@2 +- ? C B , #B AD +B@ C? - +B@ !- @C@ .A +B@
D @C@A+ ! @J+C@ +- B B B@ @A+ +,@D AO+O - L" 3 [
& - *!0 <) & $! " O<K B@ -+B@C B @ @?E,@? -
- @C@ .A+G] +B@ ! @J+C@] - -A ,,G ?@+ +B2 A
+B@ 7 ?+.C@ @ C@ + - >.?@A+ + -A2
- A .>C + @ -A+@S+

Z# $- 1! - L &< 7 B@A B@C @S ? A + -A
B D -A A @DB@C6) %C + ?a2 +B + +B@, - *> + C + >.
B D E@@A -E @C @D2 B@ +-> B@D + +B +B@ ? C A+B A@ @AD
- +B@ @J+C@2 AD -A .A@D + - @C +- ??-C+ , +G $ AJ
.. A0 $1 OQM B->.B +B@G GC AAG AD 5 , @Y
B--D @,D 7 +B E,--D C@D B AD +B@ @J+C@ - +B@ -C,D

,^D 6 @D +- C@AD@C C $5 2 *& + +
$/A%) . 10 S OO OG G+B , -E B@A B@
D@G A.@2 E,@ @D E-+B +B@ -AA@ - ,- @JB2 AD -C B JJ@D
-A +B@ +-JJ@ - B %@J+C@

O % 0 U@A +B@ J- @C -C >+B-C +G G?E-,Y
X@D EG @J+C@ B@A @2 C-G , -C ?J@C ,D .A +G2
- @C@ ?+G2 >JC@? G
OLK)% J < '0S, S X- B@ @J+C@ C- :>D B , A-+ E@
+ U>- @G ,O=NN 0 &"(S - # !@J+>C AD - ,@
B@ @ + B EC-+B C2 AD EG? C- A@D@ UGA. A E + U +E@
C B@ A/J/ 3) . L '3 M BG @ +@ 8- -D(@A
D>C@+B -C @>@C +B@ @J+@C - +BG UGA.D-?@ C .B+
@J+@C OSPKM) ,$ $ 8!-??@C(LNL E2 !B@
8 A B- @? AD @C+>@ .->@CA@D +B +B@ @J+@C - 9A-
,@D.@4 ,OMON ' B ? 0 &') 8;KMP(L 1->C 3
*@ + @ @, A-@ ,@ 2 -?? AD A.2 + G->C C + @A+C @ +-
G->C $- , @J+@C2 +- C@ -C? +B@ .C ?? C2 AD +- +@ B
C +-+,@ A B >A +-A.>@ $> A 7 A ,0C$ $* 0
S A 2 " @J+C@ B ,, JC-+@ + +B@ *> + A> <
,!0 0S, 2 PN= B@ &@C A -AI>@C-C .- @CA@D
B A@ >E*@ + +B A C-A @J+C@ L $ 0
$!0 OM< %->,D A-+ B ++@C +B@ OC C@ A @J+C@ 7 B B
A +B B>ADC@D B AD@D @A +@ C>,@ $ %/ B $-
, e <N O@ -C@ +B@ ?GC+,@ C- A2 AD +B@ + A,@ @J+C@2
- - ? AB--D2 SJ- -B.. "= .) B V 0) ,
A+C-D = B@ +>D@A+ - B +-CG + B@ +B@ @J+C@ -
?> , >JC@? G J A.2 + @C@2 C-? A., AD +- +B@
@+B@C, AD

J-J>, C A ?@ - +B@ @J+C@D .-,D >A +@
C + - A@D A ;MN= , -2 i +B@ A ?@ >..@ +@D
-C , @C - A A ;M<P2

$%O/ 8) *0 0 - ' 0 ! & ' MO #A@
& @ @ B B ? G E@ ,,@D +B@ ! @J+C@ -C +B@ ! , @C 6A +@
;Q) - . <&! & ' M2 O : !- @C@ .A -C 6A + 2
>,. C,G ,,@D ! @G+@C ;) L . B 7 <&! & ' OO B@
6 ? + @ -C 6A +@ , - C@I>@A+,G ,,@D @J+@C2 C-?
+B@ @J+@C A +B@U A.' B AD2 A D + A + -A +- +B- @ ,,@D
>C@, 2 C-? +B@ , >C@ +@D E@ D OKQN ' 6 ' 0
& ' PM

: #$ ' $

;QOK " , % , * , *) - A +C-A-?G2
-A@ - +B@ S A@ -A +@,, + -A - +B@ ->+B@CA B@? JB@C@2
-A + A. - ;Q + C ;KLQC ' '" " ,!0 =QM B@C@ C@
? AG -+B@C -A +@,, + -A -C?@D EG D @C@A+ AD D> ,
E>+ +B@ @ C@ A-+ A- .@A@C ,,G D? ++@D !> B C@ +B@
! @J+C@ - OC AD@AE>C. ^@+ a SKW- A 7 .3

$ 10 & '10 , * 31 $ H ^ &!
^ $%% H3F $' H , * 31 $ ' 5$D +
! / / + 9S C <D
1) " $ % MM.D)
" .D / $

A/O - . ! , % C>,@C2 @J+@C E@ C@C2
@C.@ A+ + C?@) S 1 !$. M< B@ -+B@C
@J+@C E@ C A. !+ +@ 2 -E@GD B@) -J,@ $@ +-C ;MOP
9 7 +C ?$,!$"> - > KK $@ +-C@ +B@?
-C A- C@ @C@A @ B ,, +B + AD # +BG C- A'D B@ D2 -C
@J+@C E@ C A. B AD ;QN;) $' 0 <$ 0)L< =
+C #D ! ,U !JC A. &>C @ +B ! @J+@C OC- D &@ @ -
-,D AD -+B@C > A@ 2 & +-, 2 \ ;KMM $ 0 ?& 00(
)! @J+C@ ,- @C2 , * $') 0 $;M) < B7 &- -0 10
KX ! @J+@C2 - JC-J@C +- 9 A.2 B@ ,,@D
! @J+@C E-,D@C $%O/) &' ($!) &' "
KM2 4 %C- A -C)! @J+@C J @ @ NML A>J% - . <&!
& ' 8;Q=P(OO >A + - E ^: a O) G@ C2 ,,@D
@J+@CJ @ @ SMXX ' " , &(00P 9 A.D-?@-C ! @J+@C
C>,@ OKL ?'&' OO= ,, +BG E AD 5 , C-?
+B@ @J+C@ + $/O 1 !$ KL B@ -+B@C
@J+@C + +@ $- @ AD -E GD@ +B@ @A@C , $ /J ' B R
1 & '3 &!0 $'0 SSS =M= +@C +B@ - A A. - +B@
>A +] -A - ? , C ,>@] +B@ @ J @ @ @C@ -?@+ ?@
,,@D) @J+C@ >A + A&/% < ' 3 $2 -
8! ! (;K< B@ @J+@C AD >,D A- B+ E@ G + A@
C +B@ JC A - : - CG

*2 $) = 5./ 0 K$ -5.
$' 0 G 1 $

OPOM C ! 0 C 0 8 7 2 D@ 7 ;PL;(OMN 7 B@A B@ 2
C- A@D +B +B-CA@ 2 !) +C@D +B C@D@ A D@CG G-A AD
-CA@ ;ML= 1 ' .. &' - * 0 0 g2 1 0 C !$
OML BG B@ D ? ++@A2 +BG B AD @J+C@D +B C@@D
[4Q4[: " - ' $' 0 &-@+ 7 U OQOO ;PM :@ >
%C- A'D +B B J B-CA\ AD @J+@C'D +B $@@D
A I = $!" C$ 0 OOL 3 - + , U@ ? .B+G
U A. E@2 AD C- A@D AD @J+@) C-G ,,G

; $ G) 1 . 2
$)> $ +PG* +??$ /" $ %M &$.
;KPO 3 .) A) ' & ' 0 A+C-D ;K 7 ,Y
, ? " CC-. +@D @S ,> @,G +- B ? @, +B@ JC ,@.@ -
@J+@C A. -C C@*@ + A. E ,,

)2 *2 '$!)4 1!0 1(

;KOO 5$- ' ==< ; B@ C@ , ?@ A A. - @J+@C A.
AD A- A+ A.

*2 $ %) = ./000$ $0 ' 2 /
$ K$ $ 1 * %$L J
D 3 ?1 2$, *
$ 10

;PSL B7. ' S+2 OP BG A G@A+ UGA. DGD
@+ BG? D- A ?GD B@ @J+>CG+ ?@A2 C + AD JC AY
J , A/0% , .0 0 O<L 0>+ ?@C G E->@
+B @J+C@D G2 + @A+BC-A@D A +B@ B@ C+ - U A.
SM) = . C ' & & <K ! -? + ?@ ,@+ -C.@-> C .@DG
A ! @J+@C'D & ,, -? @@J A. EG] C(0 =L
AD A@S+ B ? 3 -,-@2 ! @J+@CD $ A. !+-) >J A> I <
C & (C& " #8 &@C B A. -A +B@ @J+ C@D B AD # : - @
SK-M) & "!- B2 B + , +B@ @J+C@D
C @ XKXM 0 $ 0 A S, 2 5-C @J+C@D GA @ C+B
@C@ C +-- D@ D@A ;KSQ ! : F ' '0 & '$ OO;
! -+, AD2 B@C@ +B@ ! @J+@C'D 6A +2 + ,, -A+ A>@D +- E@
- A@D E@ -C@ $ O& 1 & '& $'
+ LM 7 @ @@ E@A@ +B +B@ @J+C@D G?E-, - @ C+B,G J- @C
A >A@SJ@ +@D @@E,@A@

*2 B$: % ! K >+PGJJ 10 ; E 8$L
% %$ C -D - @J+C@D C>,@D C@ .A 8- U A. (
' (' ') B < A C@ +@S+ B AD +@S+ A.
A+- B- A +B@ ! @J+@ D-?@ - D CD +B@ %-A @ -C2
+B@ AD C + E@. A +- .C- @ A+- .B+ + , - +@C

; $ 3 2$
;KQK) $. OPO 8%@A+ (B@ ! EE +B
-?@ D- A +- > 2 ?J@C , +B 6 +B@ @J+C@D-? - +B@
%C@ +-C' @S ?J,@

*2 B$: $0 0? 3 10 (!
$! 2 / !$ 4 $

;KON .. C &- .0 E '1(;<= B@ ? A C@? A
! @J+C@,@) C@@2 >A C >? C E@D ;KLK .6 B) '0
$* ; ! @J+C@,@ 2 >A C- A'D 6AB@@D@D

B B*2 $!B6 KR*.1 0 $ U>0]6* , <,M
10 H + * $L J $

CMPM A . B <!& & 0 ;MPK A .. 1
6*2 B) '&' , 32 0 K$ $ 1033
E $L $

K 9 8 7 0 8;KKN(OQN B@
@J+C-> AD - CG #E@C-A2 +B@ , ,G
* D - 2L *@ $ K$: $Q G $
$ $O : & ; ;NQ '@A -C E B .BA@ >D- JE
@J+CG E AD2 ->,D A-+ ,E@C+ > @C AG C-A.

*2 $ * 73= ?? :
* *2 4 73= ??
6*2 / I 1 0 $ U 0 0 L3-* D ?70 F
0((?*-0 $, - 0! $' 0 W *6 &1B0 $- 0
G L-0D-) - < =D7) -0

;L<N 1 0 A0 L OO 0>+2 B@ A .B@C DC@ 2 B@
@ ,G 3 .B+ , @C @ +B + + A-+ B @@+@ + @@
* !: -E -C? -

3 2/ 3 $ $+: G$ * ! $ $ 9 M

! @, , ' B ' @I>@A @' - ' ,@++@C ' -CC@ J-AD ' A' JC@ @A+' -C' J +' A., B' J@,, A.' +-' +B@' C->' ->AD ' -C' - ?E A + -A ' - ' ->AD ' ;Œ +*2' U2' 2' +*' A' 3 ' +' ' -A@' - ' @ @C ,' ? -D@' - '@SJC@ A.' +B@' ->AD' 8 (2' C@JC@ @A+@D' A' # ' EG' ,(AD' A' ? -D 'A-C? ,,G' EG' 0' 7 +B' +B ' ,>@' +' -AY + A>@D' +-' E@' 6 @D' A' ! ' D- A' +-' +B@' E@. AA A.' - ' +B@' ;Q'+B' ' A' 3 ' , ' ' - ?@+ ? @' ? C ++@A' -C' , (JC-A->A @D' 8+:(' A' +B ' / + -A CG' +B@' -CD ' - >CC A.' A' @ C,G' +@S+' J@,+' +B' A+ , ' B B' C@' A-+' @A+@C@D' 7 +B' +B ' J@,, A.' ,,' -CD A C ,G' E@' ->AD' >AD@C' ' -C' , 0

[illegible]

-A ' C B' 5,@@ @2' AD' JC->D' C-G' -A @' ? -C@' C +' OG' "@C >,@ 2' A'->C' A@S+' U@ D@' C@' J, +' 1 0 S ' 2' AD' +BG' U@ D' B ,,@ ' 5 ?@D J, G

* @ % ! $

+' ! B@D ? ' 1 0 , -' A' C' -C?' B@' D ? ' ^ ' C' $5 1 $$*$(' $5%1 $ $ ' @@' A@S+ a' A' @S+@ ? J-C X@D' -CU2' '*-++ A.

[illegible]

-E*@ + -A' +-' +B@' A -C? ,+G' - '+B@' JC- @@D A.

! B@D>,@' 8:@ D)2' :@ D<, ' (0 U@ D b,(2' 10 5-C? ' = M'-@D>,@)' @D>,@2' P M' @D>62' @D>,,) M Q' -@D>,2' -@D>,,2' -@D>,@2' B@D>,@2' M' B@' D>,8,2' 8-B@D>62' @ D>,-2' Q' B@D>,,@(2' M ' -B@' D>,@' , -' Q' A' +A' -AA' @DA, ' ^3 '

[illegible]

A. ' JC@ C E@D' EG' - ,' >+B-C +G2' 2' @' .' A' AY -, @A+' ' + +@ ?@A+' - ' @+ ' AD' , E , + @ 2' 'C@+>CA' - ' J C+ >, C ' , E,@' +-' A - ?@' -C' -+B@C' + S2' AD' +B@' , U@' , -' - ' ' E, AU' -C ?' +-'E@' ,,@D' >J' EG' +B@' A @C+ -A' - ' J C+ >, C ' >AD@C' +B@' @ @C ,' B@ D A.

[illegible]

D6-<E4-'8@ D ,2' 0 0' U@ D S,(2' 0 ^ ' JC@ a ' $' 0 -' @A+@C' A' ' B@D>,@' -C' , +' A'C ,Y G'> @' -' @A+@C' 8 '+C A(' A' +B@' + ?@ + E,@' 8 ' ' 10].$

[illegible]

2 ';L' !@J+' Q M) A ' B B' C@ B@D>,@D'+-'C>A'B @ +-'.@+'+BC->.B' - ?@D?@

/ ' -' S' ' ' B@D>,@'=&' ' ' +'- '& C, ?@A+(' SKKW : ' ' A' $2' - ' *('LKP ;' ' @CY + A' A>?E@C - '+B@ @ C@ B@D>,@D'+-'+B@ +' ;<NK , ' K 2(' ' ON e' L' 8=(B@ ,@++@C DDC@ @D'EG' @A +@ - ' +B@ 6A @C +G'+-'+B@ -CJ-C + -A B B' ' B@D>,@D' A' A' JJ@AD S'+-'+B ' +

"@A @' ! B@'D>,@D** '$0(! B@ D>, A.' 1 0 0 R&&R' $!"' 2 'O;' : A' O ;' A+C ?' ' A-+' A' +B@ B@D>,@D' D +C +' +KKK' 1 (P - 'P O !+>D@A+ ?> +' ? U@'>J'+B@ C' ? AD' -C' B B' J C+ >, C' -?J@++ -A'+B@G' B ,,'@A+@CZ AD Z'?> + +@'A-'+ ?@'EG' +C G A.' C-?'+B@' B@D>,@D'J +B' ' S J)' - '8 @@U,G'@D (<5@E' -K S' B@' ! B@D>, A.' - ' % A D A' ++,@ ? G' JC- @ ' E,@ A.' A' D .> @

!D @DA, X@'8:@D EX(Z 0 $ 3V' ^' " X ' 0 i' [,' '! 0 - ' ? U@' B@D>,@ ;KL' : '9 . ' A'?!$,.2 0 $ 0 4 4 4 ' =NQ 7 @' B ,' @+B@C'B @' +' A'->CJ- @C'+-' A @,'+B@'7 B ' B@D>,@ ' ' & &] -C' E@ -A A @D +B +Z B@D>, X@'+-' +B@ @AD' - '+B@ B J+@CZ +B@'A + -A ,'B@ C+ ' -CG

!-B @,@Z -E ' -C,>' - ' . ' '

! , @@, +@m :b E6 (' '0 ^ '+B@A ?@- 9 7 ' , ! (+B@ D - @C@C - ' +>A. + ' D' i' " V' >A. + +@' - ' , >?Z ->AD' A'EC ,, A+' CG + , ' - ' C -> ' -,->C KLQ ' ' '0ONK' ;KQK' " '&'<B ' " $!!& 0 Q<

! B@@, + A@'8: ,+A(' '0 , -' -B@@,@+ A@' 0?' D '?071' *='C@ @?E, A @'+-'+B +' ? A@C ,' i' a' A' -E -,@+@ GA-AG?' - ' +-,X +@ ;K=L' 1 'C & 0' '(=;' ! B@@,+ A@' ;K=< ($' 0 0 LKM' ;KP=' ' " 0 '0 8@D'=(L=<! A@@,@+ A@

! , @@C@C +@'8) C C +(' '0 ^ ?@D' +@C' -A' , (+' D - @C@C' @@" V' ' -, D' BGDC- CE-AZ ->AD' A' J@ C,GZ + E>, C' CG + , ;KLM ' $00' < &!00 @+ ' ' P< ! B@@C@C +@ #E @C @D' A'+B@'G@ C'C!X ' ;KKL' ' ,",!0 ? 0 4 ' =O< ;

! B@@+@Z -E ' ' 9 ' 9 ' ! -B@ @Z -E ' ' ') ' !E"@ ' @@ # '$0

! B@ @C +@'8:@ C +(' '0 ^ ?@D' ;KMO +@C' " ' ' , %%% ('! @D B' B@? +' @@" V' ' ? A. A@ @' JGC-S@A@Z - 'G@,,- B' +'C@DD B' EC- A' -,->C' KMK A' ' " 0 '0 8@D'P(O;P'

!-B@ 8-(U ' @@ 9 ' !-B@6DZ -E ' ' ' ! B@ AZ -E ' ! ' ' '$0 ! B@ AD2' -E ' ' ' 0 ! -, @ J2' -E ' Z $' $' !DB@ CZ -E ' ' '$0 !-U@U2' ! B@U@Z !@B@U A B2' !-B@UU C ' @@ 9 ' 9 ' 9 ' 9 ' !@U@U@C2' ! U@UGA2' -E ' $# U, ' $/# 9 '

+'! B@, B@6D ' 1 0 $ 0 , -'L' A@' ^# ' T , !, '(, " . ' # @>+' T .&!. 'B$(@CAZ - ' T .$!.&30 8# ' , $!,+' @C A+a' ' @? ,@ @C A+ CS---') 5$ ' & '0 8@D' B-)V@(' ;MO J?+' B@-C '?-D' >CD@' -A+@AD' +-' X ,A*) @Z (V>CB W @C' G, @A ' J,@*>' $' OO\ ' , 0 0' ;# ,' A' E>+@ @' ' B@, B,A@'+-' @C>@A' (V@,@ D' +-' C ,@A' +@'B@-C+@' 1 (L<N' ,' QP' C$ &' &) ' & 'OQ< A' 0 (,0 =P J@C' -?' -' B@, B@A@' .-A' +) + @ '?GD'U GJE

!-B@,DZ ! @B@,DE)@D@' @@ ' * ' !-B@,DC->AZ D+C-? @' @@ 9' !-B@, ' D>C2'@+ ' @@'!"#6 + 0' ! B@ @' @@ ' ! B@,, ?Z A' @@ ,)

'! B@,, > .'8 U@', .Z A'/>' S@ , .(' 1 0 @S ' 0 , -' M EG,GA.Z Q U ,, A.Z B ,, A.Z _/ ' U@,, A.Z ^/ Z' @@ ' % ' 0 ' 9 ' 3 ' -C?@C,G' >CC@A+' A' +B@' : - '%->A+C @Z - ' +B@' ,>@' - 'M' + @C' -C' C-?' 0 +-'Q ' +@C, A.

;PLP' :-10' *&!0 $! '8 CE (OO A' ,' 'E D' -C'?G', Y E->C' E>+' S * BG,GA) !' ,@?@ B@' ;M<' &' 0 <$ 0 - ' OKO< L' +@C' B B' +?@' > B' !U@,,A. ' C@ -A,G'+-'J ' -C' @' !+ @C' JD' ' B ,' @ B' ;M<L' ' C) ' 8;M<Q(=KP' AD'JC6@' 'B>ADC@D'[@A G'*> +' ' ?> B' 'D J+' ! SJ@A @Z -C' '! B ,, A.'/>+ B' U '!' '+C'C ". >' &"((- 0 M B@'% WB U@@J@C J D'> '+BC@@'/>+ B' !U ,Y , A. ' @ @CG'D G' B ,@ @ + G@D' -A' B- C' U ' . . 1 ' 8@D' 9@C @G(Z , !! ' '%- A' A' " -, AD' AD' 5, AD@C Z -A+ A A.' ;0 C--+' -C' M !+ @C' AD' @I> ,'+-'M' - '->C A.,, B' 3 -A@G' 5 8N> ' &"0 8;Q<N(SO!O +'B@'% J@' +' 'D - @C@D' +B + 'A>?E@C' - '->A+@C @ + B@,, A.' B D' E@@A' C >, +@D' ;QKP' ' - ' (*$ -$'>' &"0 $* '<0 &* '8;QKM('MK .B+@@A' %B A ' -C A.@' ' B D'E->.B+' A'& C' M'-A@ U@,, A.'/>+ B

!-B@,, A. ' @@'!#" +

! B@,,G ' @@'!90 *G

,! B@,?'8:@,?(' - 0 , -'M Q' B@Bb83' ^ @C ' -C -C?' C@JC' +B@'@I> ,@A+ '/>' , !' ' 8 S@ , ?(Z @@ 9 'R' 'C ,' 8 ' +@C?' - ' E> @ -C' -A+@?J+Z ++C E>+@D' +-' @C? A' J@ U@C (

4PK=P) ' ,(%0 $! ' !H ,(7 U '8;KO<(OQO A' @ ,' +-A.>@D B@,?Z '+B@ @C? A' @ J@D ,,G' ,' > B' J VJ,@' S) LdP' : ' = .3 .' h)0 8;QLP(OL' B@'% AD' .C @ ,,@D' B ?' !B@,?Z &>UC--AZ C +-C' +@+ *' OSML= 1 ' !* &) ' '>' MO B->' C+ ' B@,?' 1 0 ;;' ,' ;N< % ,' G->' ?@ B@,?@' ;KOL' ! -CC' A( ) 2$ ' Z B@'C ,,G' B@,?' B-+'?G'E CD' +B' A' CC- ' ;KK< ' ,$.' !$. 'ONO !-?@'C ,,G' B@,? ' + EE@D'?G'B-C @' "@A @' ! B@ ,? B'$(^ ' . . ! ' ,](C ,,G' $'4ML= 1 ' * .&' ' ,,' ;QL2 'B .B,G'D-'? +C> +' +B ' E@,? E' E- C

! B@,+-J> U' @@ . 6B

! B@? '8 UC? (' G<' 2@ /1 1'8 UC? + (' ^ ' C '+CS 3 Z -C?Z .>C@' @@ 2 ';IV ' C !& (A' 9 A+' AG'-A@- ' @C+ A' -C? ' -C' C>,@ '- '+B@'JC-D> + @' ? . A + -A''+BC->.B' B B' +B@'>AD@C + AD A.' ' E,@'+-' JJ,G' +'T +@.-C @ " +-'+B@' ? A -,D' - ' @A @ J@C @J+ -A' A' +B@'JC- @ ' - 'C@ , X A.'UA- ,@D.@'-C'@SJ@C @A @

U 'C ' ' '" ",!0 4 ,, ' ;QM -'+B@' >E >?+ -A' - ' A' -E*@ +' >AD@C' ' +@.-CGZ ' B@? Z T+ ?@ ' AD J@A E,@Z ADZ J C+' C-?' ,' @A + -AZ +B ' B@? ' + @,'D-@'A-+' >E +' 'I ' 'C !& 0 V$ ' ' ;;'S' =NK B@' B@? ' A' + @,' 'A-+B A.' E>+' 'JC-D> +' - ' ? . A + -A' S -') ' V$ ' 'H5' ' ",!(? (4 ,,, 'KPO B@' J@ -C? ' - 'JC-Y D> + @' ? . A + -A' C@ ,,@D' ,) $ $(

/ ' 'D .C ?? + 'C@JC@ @A+ + -A

$ 0+' < B.)' &' (,0'" , %'$(.>C@' -C' D@ .A' ? D@'EG'+B@' E +C + -A' - ' @C+ A'@S @J+ -A -C'J@ >, C+@ Z A' -CD@C'+-' B- '+B@'.@A@C ,' '-C'+GJ@

! B@? + '8 U ? @+ U(Z $0 ^ D' ?-D ' ,. 3' -$,) " ' , '$3 2 ' 2 ' 10 +@' C' B D' +CS +++ CD' A' +B@ @A @ T , @Z JC@+@AD@D'Z C-?',5 C ' ; ; @A @' JJ@ C A @'"8 @@ 2 ' 10 O (' % ' , -$,.

' 5@C+6 A A.'+-' ' B@?@' -C' B@? ' - '+B@' A +>C@' - Z -C' C@ @?E, A.Z ' D .C ?? + ' C@JC@Y @A+ + -A' +' -CC@ J-A BA.' 8+-' -?@+B A.' @, @(-CD A.'+-' ' B@?@

Q-S)' 3 . ' < $' ' ** $!0 A) &'' MZ ' B ,,Z EG' JJ,G A.' @ B' J-C+ -A' - ' ?@ +-' + ' JC-J@C ! E@? ' + U' &C-JB@ G)' :> + G'+B '&, A'- ' @' ' 3 ' & ,' 0 C$ ' ' 0) 0 S -' "@ ?> +' -A A@'B ? @,'+-' ' B@? ' + ?@A >C + -A' - '+B@' B A.@' S ' 7 ' & ' = ' = ! + ! B@? ' + ' A + -?G' -CZ / .C ? Z+ E,@ ' AD'A-+@'+C@ + A.' - '+B@' - + -A' AD' G +@? + ' CC A.@?@A+' - ' +C> +>C@' D@+ ,' - 'B>? A)' A +-?G' L '<B.)' O&' 0 ,0" , -$, ' J@C+ A A.'+-'-C' - 'B@ A +>C@- ' ' B@? ' ' !' ' "-A@ B- A.' +B@'JC-J-C+ -A'- ' A-C?, '-C+GJ ,'@G@' '7 ' # ' $ 0 ! (5* (ON< +' @@? ' +-'?@ ' +C>@ ' ->A+) -' C' ' -A @J+ -A' ' B@? + ' A' , ?' +C>+B' +' ,,'

/ ' &@C+ A A.'+-',-. ,'T .>C@' U ' '9!' ' ' & ,'SS '8+KMM('779 B + ' BGJ-+B@+)'C@ -A A.' '@SJ- @D'+-'+B@' B@? + '?-D ' + -A '- '+B@' +@.-C ,

' !>..@ +@D'-C?-D @D'EG 'JC@ -A @ @D'G +@? ' '$'SW- ' 5' & $,$'Z;h7' 7 B + ' D'- 'B ?' '? D@'>J'?@C@,G'- '+B@' B@? + 'D@ @ ' - '+B@'C@D +-C ! 'C '&' 0 5-,,- A.' ' -A @A+ -A ,'+GJ@ S '< !' . 'A'%C- ' % ' =P B@'C' C+' G?E-, @D +B@ @' A'.C AD' B@? + ' -C? ' U ' - 0 <$00 ;L':>,G' O S B@'DC A.'- '+B@' @ +>C@' AD'#'+B@'B AD'8 B B' ' ,@ ' B@? ' + '+B A' ' > +-? CG' +B' A'/G U(+'! U@? + ,G'$T 1 0 ^5-C?@D' 'JC@ ' @@ % a

' &@C+ A A.'+-'CB@+-C ,' .>C@) ':;' &&) V''C ' 'C$ &' ' '8;Q;L(M -> B A.' +B@' A @A+'> @' -'+B ' B@? + ,' AD' .>C + @' G' -' @.C@ -A

/ ' &@C+ A A.'+-' -C' ->AD@D' -A' ' B@?@' -C' ?@+B-D ,' CC A.@?@A+ U ' 3 . '< $' ' *&,$!0 A) &''&C@ 'OEZ '? G' B@ ' B + '+B@C@ +C@A.'B' A' ! B@? + ' C.>?@A+' C-?Z AD' -CD A.'+-'+B@' ' - ' 3G + '&C-JB@ G ' !+ + + ,Z $ c%0

S*C '+C'?) ' ' " 0 < & 0 ' ')MO B@'A@ ' .@A@ Y ,- . ,Z B@? + ,Z ?J@C ,' AD'J-,+ , ?> A>' ,'?@A+ -A' EG'A ?@'+B@'JC@ @A+'JC- A ' -??@AD +-C'+B@C@-

! B@? + 6' 8 UX? @+U ,(Z $ &0 ^ ' ' JC@ 'i' 1'/a' 1' OG'?@ A' - ' '+ E>, C' CC A.@Y ?@A+' E ' A' 'D@ ? +@'J ++@CA ' -CD A.'+-' ' G??@+C ,'J, A P' % ($) $! ' [7 H ' A'E@'C@JC@ @A+@D', B@? + ,,G' ;K<O " & &' , !' ' !&' (' ;QN B@ @'^ ,>C@ a' C@ B@? + ,,G' CC A.@D' A' +BC@@'G J, A@

! B@? + 6' 8 U C@? +X'?(' ^ D' ?-D ' , -$% -) "' ' CZ >S) + C)C) '+B@' >?J+-A' - ' ' @C+ A' -C?'-C' JJ@ C A @ ' 5A* > ' @@ 2 T ' % ' , '$ -) 0] +' ' B@'> @'- ' 'T B@?@" -C'CB@+-C ,' .>C@ U ' . ' %'?*(!"';;'S'==M OG'+-A.>@Z @' ? G' >AD@C +AD' & -' * &$ &) - " H5 " ,' ? C ,@ Z ')' EG'+B@' * , (A-' A>> ,,' B@? + @' ?

/ ' 3-D@' - ' CC A.@?@A+' - ' J C+' -C' J C+ ,@ ' AA@C' +C> +>C@' - ' $ 0

SMM-' " ' = ' " 0 '<& !0 'S 'LHM -+' AG'O> +,@' -C'%->A+@C E, +'- ' C->' J@ +'- '+B@'"@ @A,G'E-D)' +B +'D-' AD'>AD- ' -CD A.'+-'+B@'D @C +@' AD' -A+C C@Y + @'- '+B@@ C' ! B@? + ? ' AD'%-A .>C + -A ' ' 3 . " ! $' 8;MQ<(K ! -?@ B J,G' ? .B+'B@C@'C@ -??@AD' +-' > ' ?-CA' >C +@' 3 C- -J ,' @S ?@AZ +-' A+@CJC@+'+B@C@ ?-' @ C@+' ! B@? + ? Z B B' @C@ A' - @C A @+G' -C' +B@ @' .A' ,@ @ +' &, A+ + -A ' 99\' ' & 0 , -J' B@' J-C@' -C' A+@C ++)' B B' ? GZ J@CB)Z E@ @ @A' A' +B@ +@S+>C@' -C' ! B@? + ?'- '+B + J C+' - '+B@'7 -D' S ' <)' ' ! 0 ?& ' L< &, A@+ CG' J@ + ' C@ A-' A' @C? ' - ' ' 0 E, A.' C+Z E>+' C@' 3G +@C->'! B@? + ? ' - ' ' @ C@+ ' 5-C @' ' 8 ' 0 C !& 0 ' =O B@' , +@A+' B@? + ? '%0 -A ' !$ ' ' , -$ -) + ' +B + A E,@' +C> +>C@- 'E-D@' A' B B' -' ?G'-- '+B@'C JC-J@C+@ @' D@J@AD@A +' S ' < 8 . : C$ ' &%' &* 'O=' B@' +C> +>C@C@+B@' B@? + ?'- ' ' -C? ' - 'E L ' ' B@? + ' CC A.@?@A+ ' @@' -C?' ' ' + -A' -C' @SJ- + +-A' - A' ' ' -A' -C' @SJ- + -A' ' , -Z +B@' B@? + ' ?@+B-D' J' C@A' +-

?@+B-D' 'JC@ @A+ -A' -C'@S @ @' DD + -A'+ -B U U' < $' ' *&,$ 'A) &''O; ' B ,'+B@C@Y -C@ ' -?J C@' BC@@' ! B@? + ? ' -&C-JB@ GZ AD' -A@ C@ +' J- +-, '! C J+>C@'+-'%,@ C'+B ' ' 0 'D0 ;=Q' "-? ,@ ' -A ' +'-A.A'A' 'JB ,- -JB ' B@? + @' ?Z B- ' ' @C?'-A' ' ,,G'+-'B@ CC A.@D' 'C$!!

$!!'<0 OL' >A@'L' B@C@ J .@ ' AD'J .@ '- '+B ' -C+- ' +B A.Z B- U >,' B@? + ?' AD ? +B@? + ,' G?E-, ' $ ' , %' 'O; ' #A@' ->,D'A-+'.-+-'+B@' @ ' @ + ?@A+' +B' '?-C@?' ,@ D A.' B@? + ?' A'B' ?AD' ;<NP) ' 0 &) ' '<& *' !;L;' "@C@' @B @ '' B@? + ?' Z' +@C@-+GJ@D' -C?>, Z B B' B- 'J- @C+G' - ' A @A+ -A

! ' C !& 0 T !@E@? + X A.'" + -A'8- '+B@' A+@,,@ +(' A' 9 A+' B@ JJ, + -A' - '+B@' +@.-C @ Z EG ?@ A'- ' B@? +'8 @@ 2 ' ;(Z +-'+B@'D + ' - ' @A @ J@C @J+ -A

4KL< C ' % "' ",!0 4 " ' ;QM ;' C+' V$' +0 SKM.'< ' C!$ &' ' SS ' OP< AD J@A E,@'+-'+B@'@S .@A @' AD' -A +@A+' B@? + ?' - '+B@'+B@-C A.' A+@,, .@A @

!@U@? + ' $ 8 U ? + +(' ^ ' C' S C Z CS Z' 2 ' 0'a' = G ' B@' C ? @C' - ' ' P B@?@"' -C G +@?' - 'D- Y +C A@

;M<L' B 3' 0 &' !!$- ' ;L'1-> C@ >C@' ' ?' . A + ,'+B@'%-A @ -A' - '5 +B' +B +' C@ -C+B-D-S'8E>+' AD@@D'G-> GZ B B' @' ;#Q -C+B-D-S(+B +' @Z ' >JJ- @Z C@Z G->' AD' G->C' ! B@? + + ' ;<NM 5*& & ' >.' ;ML' B@'%BC + A' B@? + + ' D*> +@D' +-'+B@'+B@-.-AG' -'+B@ @), +-A + '+B@' ! C J+>C@'D- +C A@' -D

/ ' #A@ B-'JC-J->AD' ' B@?@Z 'JC-*@ +-CZ U UU' 8 6 ' 5$ '(-'L;' ' =' "@ ,,D' +B@ ? ' B ?E@C' +B' '%C@ '- 'B ' /@J@AD A+' AD'%C@ +>C@ Z > B' '&C-*@ +-C Z ! B@? + + Z 8/ -A ,'%-A @C+'+-' ' & C+G' ;Q;;'] ' 0 &' 1* 0 V ' 'OM >. Z B@'+@C >C@C '? U@' ,++,@'> @'- '+B- @'+B-> AD'JC-*@ +-C' AD' B@? Z , + Z B-' C@'D ,G'J,G A.'B ?' +B'+B@C' -A' 4Q+M 3' 3 ' '0 ? 0 ' 0 $ '$'=' +C-,-.GZ ,,@.-C X@ '+B@'D -A+@A+@D' ! B@? + + - ' ' ,' !+ +@ ' AD' %B>C B@ ' ' : -E +@ Z -A :>C-C 2 '\ Z QSK Q ' . ' '-'M=' !-?@' - '->C' ! B@? + + ' ? .B+' E@ E,@'+-' JC-*@ +' 5-C?'- ' '\ ' B BZ E +C +@D,G' -A D@C@DZ ? G' JJ@ C' '>@ >,' +B +Z B B' @'A@*-G' 4QL)'))) 8QPM('O<= ' ?> B' 'A-+'?-C@ A' ->C' +B'+B@C B@'? A .@C' ' B@? + '+B A' A' +-C

! B@? + X@'8 UC? +D X(Z 0 ^ D' C' ,' =(,R@ @V0' T 8 < ' 2 ' ' % ' ' %

+ ' ' 0 -' >?@'A@ ' -C? ' -C' B J@ ' 0 ;MPN B . 8 ' 'P &*&- 0 &C@ Z 'B @' -E @C 'D' +BG +>C@ -) .' C+' 7 B@C@ +B'+B' +' ! B@? + X D' A'@ @CG' J C+

O ' $' 0 -' -C?A, +@' A'C@.>, C' -CD@C'+-'C@Y D> @'+-' ' B@?@' -C' -C?>,

;KQK ' # ' $!- ' K=' '+B@' O@A*A.-' D@ ' @C@'+-'E@ B@? + @D'G->' @@'+B +'+B@G' ? .B+' ,@ D'+-' JC-D .->' -A @I>@A @ Z SKKM = ' (' ,;Q B@'C@ C A' 8+B>' B@? + X@D'MM' $j D ' -' ? @' -A @A+ -A ,' -C?' + - $0+' ' 7' (! &'' =' B@' +@AD@A A G' -'C@JC@Y @A+ + @' C+'+-'T' B@? + @' ' + 'D@ .A' A+-' B +' @@?' ?)@' .@-?@+C ,'J ++@CA

! 'V$' $'' C !& 0 -' JJ,G' +B@ +@.-C Z EG' ?@ A' - ' B@? + Z +-' +B@ D + ' - ' @A @ J@C @J+ -A

;KL< C ' ' "' ",!0 4 ' S)M B@'A-+-A'- ' >E + A.@ D'+-'E@ B@? + @D' B@A' +' A-+ -A @ @D'- ' E ,>+@ ,G' ' @, >E +A.'+B A.E>+' ' -A@' B B'J@C + A' +@?' ;KQQ ' 'C !& 0 V$ ' ;;'S'=NQ -' U'B- '+B@ +@Y .-C @' C@ B@? + @DZ ' ?J,G'+- ' U'E- '+B@G' C@' JJ, @D' +-'+B@ -C?' ' AA@C' @A @Z +B@' +BC->.B' +' +B@ ?@ ? G' E@ JJ, @D' +-'+B@' ?@ -C C@' ' ' , @A @

"@A @' !-B@) ? + X@D'**!($0H' ! B@ ? + X >.' !0 10 AD'**!0 $0

;KOK 'CB ' A'?!$,. 0 $ (44 '<NN -' GZ +B@C@ -C@Z +B +' '? A' ' '.C@ +'+B AU@C ' E>+' A-+B@C@SY JC@ -A' -C' G A.' +B +B@B ' B@? + X A. '>AD@C + ADY A.' ;K<L'7 '8 '%- 7--/') . '' '<M' B@'D@+ ,'- ' B@? ' + @D' C +-+@, A ?' ;<NL' 11 '" '!0 3 C'MNL' B@' B C.@ - ' B@? + A.' ? G'E@' EC->.B+' +B' ?-C@ >+ @' , A +'3' - G'B ? @,

! U@? +-,-.@+ ,,G?'$ &0 '&', 32 0 %0 C a' OG?@ A - .>C@D A.> .@' $%/'X *B '" % . 0 8;KL='O<0! B@? +-,-.@+ ,G' D-CA A.' +B@' JC-J- @D' +B@ B@? -' +@ J@ ' AD' B@'O- @C'-'+B@'. CD@A'-'CB@+-C U

! U@ A +-> ,,# ' $ 0 ^ ' C' L 8 D"!' +CS1 Z' -C?' " 2 ?' ' -C?' -'D A + -AZ EG' B B' +B@' J@C -A ,'B +-CG'- ' ' ? A' A @CC@D' C-?'B ' -)?' AD' JJ@ C A @

KOM Q?' ,",!0 &*0 8;K=P(4 ' ;QP'^3 -D@'-'D Y A + -A' ?-A.'+B@' C ,* ' ! B@? ,-? A G'=' 5, "8 +0 !D,@?@'% U ?(2C ' 5-C? ' Q U@?Z @@? Z -@ ?@Z Q K' @E@ ?Z M ' B@?@Z ^ '?@D ' % ' C' 8% ' -C?Z .>C@Z ' C--+' -4' JC@ "@,,@A ' H ' X@C- .C D@' - ' AD-.@+? A' ' ! ' B@A @' C' S '+-'B @Z B-,DZ E@' A' > B -C' > B' ' -AD+-A' % '5' % ' % ' +Z &.' % ' % B@' @ C, @C'>@' A' A.' B- 'D C@ + A ,>@A @ C-?' C' '+B@'> > ,'?@D ' C@AD@C A.' ' CS 7 d' E@ A.' + ' +B@' A.' % ' ' A' +B@' M Q+B' ' ' GA-AG?' - ' 5, /$ C)' A' @ @C ,' +@ BA ' @A @ a' ' @ ' AG' - ' +B@' C@ - . A X@D' ?-D@' - ' D@ + A.' C-?' +B@' -CD A CG'> @' AD' CC A.@?@A+' - ' -CD ' -C'+B@' U@' -' @ @ + @A@ '-C' E@ >+G'- ' @SJC@ -A' "G C' 'C*'O;' PPL 'C ' d ('?.B+' + CG' ' -A.@' + ?@ A' D@ , CGA.'+B@'A +>C@' 'D >@C' @! B@?@Z B B@ C@ --CD@' -C' @A+@A ' ,+@C@D' -A++ C @'+-'+B@' >,. C@ > +-?@' ' -> C' J@ B@' ;M;Q' ' *' %0?*(!"' ' ' ' OG'1' B@?@' J@ B'+B@G' C@ ?' D@'+-'E@ +@C' ' -A' -A' ' ' +B@ @J@CY >?@'P' MK='A ' #' - 0 0 ' 'S,S'PKM A' +B@' @S+Z EG' @CG'@,@. A+' ! B@?@' - '!J@@'B'E@'D-@Z ' +

@C@Z -A @' ?-C@ @+ +B@?' +', E@C+G' AD' ' '+B@G'B D' A@ @C @A. .@D' +B@? @, @ ' +-' -D' EG' %- @A A+'E@ -C@Z B@' ,@ @ '+B@?'+-'+B@ C' C@@' B- @

i /' 'D .C ?' B- A.' +B@' C@, + @' J- + -A Z

@ +B@C'C@ ,' -C' JJ C@A+Z -'+B@'B@ @A,G'E-D @

MLK' B ' 'A' '?' 8@D'P(OPQ'^ B@Ga' C@ ,' -' -A D@A+Z +B +'+B)'B @' ? D@' *@@?@' AD' + E,@' -'+B@ C' ?-+-A ' ;MMP' C ' $' 0' ';NQ' ?-A.+'B ' #E @A)+ -A,' AD' ! B@?@' -'+B '%-?@+' ;QPP' ' = ' $ ('!c ,)'OL' 7 B +'D-'G->' A+@AD' EG' +B- @' ? ,' !+ C 'C->AD' :>J +@C' AD' ! +>CA' A'+B@' ! B@?@' ;QQ=' :' ' '' &0 'L=;' B@G'E-CC- @D' ,'+B@' B@?@'>AD@C B B' +B@' + C' C@' -?JC@B@AD@D' C-?' +B@' .GJ+ A ' ;KO=': ':#" ' " & 0 =;<' B@' -,>?@' 'D@ -C +@D' +B' B@?@' -' JB@C@' AD' +B@' .A '-'D @' [-D

+E ' *0 A' &!& "('D .C ?' C@JC@ @A+A.' +B@' J- + -A' -'+B@' J, A@+' ' +'+B@' B->C'-' 'J@C -A' ' E C+BZ 'B-C- -J@' G - 7 ' 10 ;=' 1 0

$%$+' '# (' !, 0 ' Z 3 G'?- +'B-A-C'D', D @Z 85-C' !# ' ?'A- '+-' +,@G->Z B ?A.' ->AD' 0G'+B '?G' B@?@Z G->' C@' +-' AD@C .-@' A' B-A-C E,@' -C+>A@Z @CG' B-C+,G(' ;M=Q' . ' . 0 $!(+ +,@Z B@' C +'^0--Ua' -A+ A A.' +B@'> @- ' A' JB@?@C)'+B@'@C@ + A.'-'!@E@ ?'-'"@ @A' ;QNK' 8 6 'C ,0 7 U ' ;QP;' ' ;KK' 6J-A' C@ @ A.' ?G' ! B@?@ Z 'I> U,G' ->AD' +B@' > @'-'+B + CC-C' ;QQN' 7 'C!) $, '8; KP;(=Q0 O ' # ,D@ A' B@?@' ' ->AD' A'B !'E- -?' 'B@', G' OKSP' '<)"' 0

i' ' A' D@C' @A @' 'D .C ?' ' .AC@'DC A' +-' ,,A +C +@' '? +B@? + ,'JC-J- + -AZ -C'+-'@,> Y D +@'D@ C J+ -A'- A + +C ,'JB@A-?@A Z ? B A@CGZ @+ ' ' ? J' -C' J, -' -' '+- C ' A' C B +@ +'' D@ .A' -C' 'E> ,D A.(AD' +B@', U@' 1 (

4M=<' : ' .B ='+C'? % 'T' +\ 0 'e' K;' 8 KKD(;NN U@' '?G' C +A.'D-') @A+,G' AD', C.@,G')- Z AD' B@C@' -A,G' 'C@JC@ @A+@D' EC @ ,G' A' ' .>C@' -C' B@?@' SKM-' ' . 2' 5*0 C " 0 ,0 &C-@?' .' B@' B J@' -'+B@' , Z G->' ,' AD' @SJC@ 'D' A' +B@' C +'5 .>C@' -'+B@' AA@S@D' ! B@?@' 99 'C !0 $' ('OK B@' >+B-C' E +B 'DC A' ,' +B@' ! B@?@' -'+B@ @' MN ? C- -J ; -E*@ + ' +B'B ' A'B AD');MQ=' &!!0 & "' 3 & .) ' L=' B@' /@ C J+ -A' B@C@-' ->,D' E@' +@D -> ' AD' D >,+' +-'>AD@C + AD' +B->+' '! B@?@' AD'+B@C@ -@C@' ' B ,'-? +' +' SMK' .!"' -0 O;=' A'+B@' A@S+' J, @' B@'. @'>' ' B@?@' -'+B@' +G'- @J A+-' SM)' 7 ' <&-0 * 0 ;:Q' B@'D@, A@ + A.'-'? AG' @-?)<@' U' ! B@?@' -C'5 .>C@' ;QNL' ' ='%'C) , $ 'MN 6A,@ '+B@' ! B@?@' E@' @CG', C.@Z +' ,' E@' @)'D >,+' +-'+ U@' +B@' / ?@A -A'A @+G' ;QN=' #' ' 5 0 ' .'0 Z ' ('+B@' C@JC@ @A+ + -A' - AG' @-?@+C ,'-C' +C-A-? 5 .>C@' -C'&C-E,@?Z EG' A@ ' @A E,G'+-'+B@' G@' AD'+B@ @ C@' -+B@C @' \"-D' / .C ? Z S) ' B ' (C ' 0K< "@'> @D' '.C@ +'g?C @+G'- '? +B@? + ,' B@?@ Z ? JV Z AD' +B@C'> @ >,'D@ @'+-'@?E@,, B'B W -CU ' SK M ' && 0SSS Z ' B6Z)' D' E@Z T ' ' B@?@' -'+B@' + D@,Z ' ' ,' +Z B B' ? G'B-,D'->+',-A.'@A->.B

;M=M' 8' * &' > & 'S, Z 7 B +'@ @C' ! B@?@' -'O,--DZ A+ + U C ?@'# '/ @ +B' 3 @X@A+ > '-C' @CG-A' DC@ Z $' ;QN;'). 3' " $' '8 ' ' Z ? '>J-A' ?G' ? -C+>A@ Z AD'G->' B ,' AD' 'J@C @ +' B@?@' -' ,'G->C' DD@ +'@ , ' ;QSQ' ' - ' .0 ,&0 8;K==(D' ' B ,' @' +' ^+B@' & C+ >, C a' +' , C.@' A' +B@)' B@?@' ;' J>CJ- @' +- ' DC '-'+B@' !+ +@' -'+B@ @' :>D +-C @

!' A' A ,G+ ,'-C'+ E>, C' + +@?@A+Z ' ' -A' J@ +> Z@SJ- + -A' A'->+, A@' A'@J +-?@'@SB E + A.' +B@' +C> +>C@' -' ' 'E--UZ J .@Z C.>?@A+Z @+ ' , -Z A' ->+, A@'DC +'-' 'JC-*@ +@D', +@C CG' -CU ;M=Q' .) ' 0 0 'e'MK' 8 3 C' &G?' Da' +B + B@'B D'-A,G' ?D'+B +' B@?@'^ '+B@'@A>?@C + -A'- '.C D' A @ a' E@ -C@' +B@?Z +B +'B@G' ? .B+' @@'B- '?> B' -CU' +B@G'B D'+-' + G'+B@ C -->A+CG' L% ') '+C' ! ' $ ' !0 ;M " A.' . @A'G->' 'J, A' B@?@' -'+B@' 4MKP L 'C$ $* 0 (3 ++' '<'!-'J@C @ +' +B@' ?@+B-D' -'+B@' -CD' '&C G@CZ +B +' B D' +B->.B+'+-'B @' A +-? X@D' +' AD' @+' +' E@ -C@' +B@@' A' ! B@?@' 4M<P 9)8) ' $0 0 $ '8;QOL(O ' A+@AD'+B 'E>+' -C ' ! B@?@' -' ' , C.@C' /@ .A' ;KQK' ' ('C $, 0 6' QP'1->'? G'- -A ,,G' AD' +'A@ @ CG'+-'? U@' 'T B@?@' -' A' C.>?@A+' A' -CD@C'+-'.C J' +' KK ' (' $!" 0 'L<=' B@' +>D@A+' B-'C@ D '+'^P '+B@'5 C +' J +,@' - ' ! ' :-BAa A' +B@', .B+'-' -?@' @,' -A D@C@D' B@?@' ' ' ' A'?-C@ D A+ .@' C-?' +'+B AZ-+B@C Z@ @A' 'D@+ ' - 'B ' B@?@'B@'>A+@A E,@

Œ' ' + E,@Z ' ?@+B-D ;' , + ' ' JC@ CC A.@D' G +@?' -' , + -AZ A' E' " !$' 'H @@' I>-+' ;QKN

&@CB'&1 (@S ' 'C@ A+C-D> @D' C-?' @C? A ' ' ' , -$' E, AU' -C?'+-'E@' ,,@D'>J ' . 'C -0 0 $'0 ;:' ,' ;LO ' B ,' JC@ +' ' B-C+'8%BC-A-,-. ' ! B@?@' -' ?@ Z $';Q;)' B ' %)'3 - '8;QMM('O;K' "@'D@ C@D'?@'+-'. @'B J' ' B@?@' -' B@ D ' +'+-'E@' J-U@A'+-Z AD' -'+B@' -CD@C' A' B B'+B@G' B->,D'E@', D' 4QKN<' ' 0 $ 0 'OQK "@' JC- D@' B +' ' B@C@' ,,@D' ' B@?@Z B B' -A+ A ' ,,@ + -A'- ',+B@' I>@ + -A Z B B' ,' JC-E E,G'E@ U@D'B ?' A'@ B' @A @' ;KMK' ' $!' ' & $!' ,0"' ' 'P=M' A'%B J+@C' S' ' @A'B '^" -EE@ 'a ! B@?@'- '! @A @ ' 4KK=+C' & 0 >' & ,';KK' B@'D @C@A @-C'+B@'U A B J'E@+ @@A' AG' + -' -A @J+ -A ' ' AD' 'B->,D'E@' @S +,G' AD +@D' EG' +B@C' J- + -A' A'+B@'>?.@C ' B@?@' H XL$!" 2 ';=' !@J+' O= A' +B@' ? *-C +G'-'+B@' JC- .C ??@'+B@' B @'-C B@ +C ' -CU' ,' E@' B U- UG' ' !G?JB-A @' & +BM+ I>@' ' B ,@' +B@'C@ +'- '+B@' B@?@' ,' E@'D@ -+@D'+-' 7 .A@J - ' C & (' + E>, C' BA ,G ' -' +B@' D?,)+V,@' C @+ @' -' +C> +>C@' A' 'J C+ >, C'U AD' -' @C @' -C' + AX ' +B@' +C> +>C@' -' ' @C @' -C' ' + AX' ' C@JC@ @A+@D' EG' > B' A' A ,G 2 ;KLK' Z = '' . ' !&) '&% &* 0 ;ON ,B@' -,,- A.' B@?@' - '+B@ ?@+C@' A' B B' +B ' DDC@' ' ' C ++@A ' . @A' EG' +B@',@ CA@D'@D +-C' - ' "@JB @ + -A

. ' ' J, AZ D@ .A' 'JC-.C ? ?@' - ' + -A' +B@' D@ .A@D' -J@' AD' ?@+B-D'-' A' >AD@C+ U A.'-C' ' , +@C CG' -CUZ @+ ' &BC @ Z &' ,$ '!$"'$' , - 0

;M=Q') ' 0C 10 ? 'OP=' -' , G'+B@' B@?@' 8 7)' @?@a'B- '+B@' A@S+'G@ C' B->,D'E@' J@A+' ;QN=')) R ' $-*$ '' M=' #>C' .-D , U@' ,@ D@CZ @C@' +B@ +C@ ?' B@' J +' B@' ? .B+G' B@?@' -' ,'B ' , E->C ' +' ;QSK' &!0 ,0C ') "! 0 'P< B +' C+' C ?@D' +B@' ! B@?@' AD' +B@A' D' +B@' ! -, D' ->AD + -A' - ' +B ' ->C B A.'%-,-AG' ;QOM' .3 ' &"0 &)' ' & ! 8;QPQ(P ' , -'C@? AD@D' +B@?'- '+B@' B@?@' - '+B@' -G .@' ;QOQ' < '? 0 *(' 4Z B +' '+B@' B-.@' B@?@' AD' A+@A+ -A' - ' ,' ? CC .@' C+ ,@ ' ;QLK' 9 ' ' ' LLL L' ' 'L' B A@' G@' +B' +@AD@C'% C@' >C @G'D' B@' C- +B'-'@ @CG'& C+Z' ,'+B@' B-,@' ! B@?@' +BG' B->.B+'B D', D' 7 ' -JG'D' EG' +B@' C+' 4QP=' ' $ -&'"' 8;QMM('OO B@' -A@', D' +B@' B@?@Z AD' +B@' -+B@C' +--U' +B@ ?@ ' B ' 1!0 ='? 0 A+C-D' 80AD(Z +' '+B@'A +>C@' -' ->C' J C+ >, C' B@?@Z AD' +B@' A ,@'J- A+' - ' @' A'B B' @' -A D@C' +Z B B' ->.B+'+-'J>+' +-J'+-'->C'@ C B@ ' ;QQP' & 0 8;K==('PL' B ' 'A-'+?@' -C'+ U A.'J>E, 'E> Y A@ ' A'+B@ C' ->C @' AD' -CD@C' A-,G' ' J C+ A'+B@' B@?@' -' , @Z B B' -?@' AD' .-@' +' +'JC-J@C' J@C -D ' ;K=K' ' $'0 $ 'S, Z +' -C?' A-'J C+-' ->C' B@?@' +'-+@,' B +'E @ ?@-'+B@G@C? AD@C' ;KP<' # 1 ' ? $'"'50 ;9#' 5-C'>'+B@G' C@' +B A.' -' +B@' J +B@G' AD' A-'J, @' A' -> C B@?@' -', @' ;KKL' - B)' & ') (' - ' ' ;Q< B@' B@?@' -'+@ B A.' -C'+B@'B .B@C' ' ' -'?@A' '@ @A+ ,,G'.--D

E ' "@A @Z 'J, A' - ' + -A' D@ @D' A' -CD@C'+-' ++ A' -?@'@AD.' 'J>CJ- @' +-.@+B@C' +B' 'G +@?' ' ?@ >C@' -A+C @D' -C' +' - ?J, B?@A+' ' JC-*@ +Z @A+@CJC @' # +@A' +B'>A ->C E,@'A-+ -AZ ' @, @@U A.' -C' A'>AD@CB AD' JC-*@ +Z 'J,-+'8 ' ' Z 7' **!0 (Z -C' ' -A CG' -C' --, B' JC-*@ +' &BC @Z &' !$"'$' , - 0

B ' 'A- '+B@' ?- +'JC-? A@A+'>@Z AD)' A' -?@'D@.C@@' -,->C'+B@' -+B@C' @A @ -' C' '+B@G' >C @ ;QSK' ' & 0 O=< B ' '+B@' ! B@?@' B B' +B@' "@D'#'+B@' & Ca ?@A+ C +G'J>C >@D' 4Q;< '- ') &' ;' 8;KPK(LLL' B@' B@?@' B +' D' @S +,G' +B' ?G' +@?J@C)' 4Q=M &!0 ,0 C ') "! ('P;' +' 'A-'A@ 'B A.' -C' CE +C ,'&C A @'+-' -A+C' @' AD' JC A-+@' ! B@?@' -C' +B@' >E @C -A' -' ' - @CA?@A+' ;QPN' # ' $ - 1! ' -'QL' '=' J, A '-'@.@. A @' AD' B@?@' -' 'J,@ >C@' 4QP< ' (,& (A' 7 U ' 'O=L' O>+' +B 'D@@J, D' B@?@' ! A' '?-A)+@) @C+@D) @C+@D' ;QQW' ' B ' T>, "(OL' !-? @' @ Z AD@@D'Z B @' E@@A' C +'@ @' @A+@CY JC A .Z AD' B @' @AD@ ->C@D'+-' ?JC- @' +B@ C @ + +@' EG' C A.'AD .-Z AD' -+B@C' B@?@' ;QOM) ' ' 0 (;- ' &#' B@' D@ -' '+B@'J- E , +G' -' ' ?>,+,G A.'A 'J JC' ?-A@G' +- ' ? +' AG' @S+@A+(' +B@' C@ ,' ->AD + -A' -' ' A- B +' ,,D' +B@' 3 JJ' B@?@' ;K;=' # ' B ' $' B ! 'C$. H5H"' "@C'-JJ- + -A' +-' D?>AD'A# Z C- @

B-> @Z +B->+'D@ .A)' +-' -A >,+'?@' ;KLO' ' = ' = B'! !$L ' "'LM / A'JC-J- @D' '.C AD' B@?@'+-'B ' +B@C A , ' 5Z\' ,'ON '<4 ('K=' &C@ ?E,@Z B@' # C+G'%#?? ' ?-C B @'JC- -A+)G' JJC- @D' AD' @C+ @D' 8 ?-A.' -+B C' ! B@?@' -C' +B@' JJ, + -A' 3 A .@?@A+' -'%B C+@ (' ! B@?@' -C' +B@'%-,,@.@' -' -D' ' +'A'/>, BZ ;KML' @#' ' & -&!$' : S Z "@' A@ @C'+B->.B+' -' AG' B@?@' -C'C@?- A.'B 'GA@?G' SKMK : '"' .B ' %0 0 ' ('LPL' B-'@AD'-'+B ' ' B@?@' -' J-, + -A' SKKK :'Q 7. ' ' % 'LNM B@' .C@ +' CC . + -A' B@?@'-'+B@' -C+B 7 @ +'&C- A @ Z SD)' ?&&.-$"' # +'OO 0 +'+B@'%-A.C@ '-'$G U2 -> ' J, @D'E '# A'DGA + ' B@?@' E- @'+B@'U +@C@ +'-'+B@' A +-A

#' A' .@A@C ,X@D' @A @'T'! B@?A.' -A+C Y A @ZD@ .A' $ YH S J-' . ' & 'C$)!('=' ' -A D@ @' B B' B- Z EG' +' @C@' -E, I> +GZ +B +' B@?@' 'A-+'@?J,-G@D' A' + ' -C? + -A

D ' A' @ J D@' -' ' B>?-C->' B C +@CZ ' !JC@@' - ' -A,G' $!0 ;QPK'# ' ! ' -'LL' ,'+B@'JC- -A'E@ J-U@'EG' -?@'C U B' @,,- -??-A@C' A'+B@' A@S+' C--?Z 7B-'B D' E@@A' -A' ' +'B@?@'+-' @ ? CU@+' OQM' - ' & ' 0 8;QKN(M' 7 ,' AD' ' C@'B@C@'>J-A' ' B@?@' C-?'#S -CD' 5B ,5%' $) $ 'OM'7 --D +- , Z C@ @,' AD 7 6?)-CD' D @>'* 7B@C@'? AG' ' ! B@?@'C@,@ 'D'+B@', A.@C A.' / G' ;<N=' ' ' 61 $!0 0 ! Z^% ?E aZ 'A@ @C'> @D'+-'B @ > B' B@?@' B@A';' ' G->A. & -1(5" 5%0 $) $ '=' - B@?@ @A ? ->C'D'1->+B

3' +b ' 'BGJJ+B@+ ,' -A +C> + -AZ ' +B@-CG' 1 0 E' 'E-DG'-'C@, +@D'D- +C A@ Z ' J@ >, Y + @' G +@?

Z ;MQ' L ' $ 0 &!0 'PK 3 AG' C? A A' C,@' ' +B@' -CD@C'-' A+@A+ -A' AD'- ' S@ >+ -A' @C@)B@' ?@Z (D' -'E@. A' +' +B@' -+B@C @ADZ AD' . @'>' ' ! B@?@'*> +' -A+C CG'+-'+B@' C +' -C+' SM+@' ,) ' 8;MKL(;MO' AD'+B '+B@', +@C'0 EG,-A A'!@ ' / -+B'B-,DZ AD'+B@' %B ,D@ A' ! B@?@'C@*@ +' 5B ' $ ' 'M<'5'= E-C @A 'B 'C@ D' ,'+B@' ! B@?@' 7B B' 7C +@C 'B @' -C?@D' - ' - @CA?@A+' AD' #CD@C' $>A/' 9 ' &' , "'e'L' BC-'+B@' A ,>@A @' B B'->C- A' ! B@?@' -'C"GJ-Y +B@ @ 'B @'>J-A'+B@' 3 ADZ @' -?@+ ?@ 'E@ -?@' -' B CJ' .B+@D' AD'+B@ @' ! B@?@ ' A'+B- @'&, @ '-' ! C J+>C@' B@C@'+B@'B-,G' 7 C +@C 'A@ @C'+B->.B+'-'+B@?Z E ' ;MK' 1. ' ' $ ' ' 7U Z ;QL' 'O<;' / @ ' % C+@' '+B@' A@S+'+B +' ->,D' EG' +B->.B+'+-'@S @'+B@' A @A+ Z EG' 'A@ ' ! B@?@' -C'O-DG'-'&B ,- -JBG' ;QP=' +>C ' $@, . -A' DC A' C-?' &C A J,@' AD' S-?' -' $@ -A' SK)' ' $'(' ' 'LO=' " '-?JC@B@A @' D @?@'-'+B@-,-.G

Q ' -?J,@S'>?+G' A' B B'+B@' -?J-A@A+ @,@Y ?@A+' - -J@C +@' AD'A+@C +' -CD A.'+-' D@ A +@' J, A'Z ' G +@?' -' -CC@, +@D' +B A. Z A + +>+ -AZ CC A.@?@A+ Z @+ ' , -Z +B@' ? AA@C' A' B B' > B' '!_)+@?' '-C. A X@D

4QLM &' '$!0 ' ;0;' =, $* 3 $ 'H #'+B@' - @CA?@A+-' -DZ -A D@C@D' '! B@?@' -C%-A ++>+ -AZ > J@C @ ++G' -?JC@B@AD@D' ;QQ ' . ' (! (6Q!O('L< , ' 'A@ @ CG' J C+ -'+B@' B-,@' B@?@

O>OO B ' & 08;K==(:::'OQK' "@' +B@A' U@D' ?@' B@+B@C 'B D' @@A'+B +' B@?@' -'E >CD +GZ+B@'5C@A B' -A + >+ -AZ' AD' B +' ;+B-> B- +'-' +' K -' . 0C 0;:'= B@C@' ' &- @C A' +B ' @@' J, @Z A' @' A' +B ' D@A' 'C>, A.' C @' 7 B B'+-'+B@' ,- @C ZD D'+B@G' U@A' -C' DC@ ?Z ?Z 7 ' ' -D' '+-'+B@ + CCG' B@?@' ;KLL' ' 'C$ &'>' $)(Z -'+B 'D D A+ .@' 8+B@' -A,G' -A@Z J@CB J Z - '+B@' B@?@' -' - @ +'E@,-A. (? G'E@' ++C E>+@D' ? AG- '+B- @' 6, -C+@D' ? + B@' ? D@' EG', D @' -' 'I> ,+GZ ;KLM :'<. ' (&' -0 " 8;KPO(M< A' +B@' JC@ @A+' B@?@' -' +B A. Z ? A' ' -' ,-@,G' , AU@D' +B' B ' @,,- '? A Z +B +' A' '+B-> AD' A + A @' +B@' ?-C ,'@S B A. @' 'E-+B'C@I>C@D' AD' ? D@' ;K=N !' 9 . 6 ' *0 & ' 8;KQ=(K< O>+' +' ?> ' E@'+B +' ' ,++,@' B ,@' ,-A.@CZ AD' +B 'A + -AZ G@Z AD' ,' +B@' .C@ +' >+ +@C,G' Gz AD' E@'A-' ?-C@' ;KP<' - U< .)' +C' - $' SS Z B' -@' ' ->,D' +B->' AD' ' +B' 5 +@' -A J C@' -C J' +B ' -CCG' ! B@?@' -' B A.' @A+ C@Z 7 ->,D' A-+' @' B ++@C' +' +-'E +' OKQK 8 7 $' $ $0 =;' 5C-?' +B A@' JJC@B@AD@D' B@?@' -'B A.'D@D>'@'&C @'-C'E, @' -'+' -A+C @C' XKKK' ' '?.0 ';O' &>,J + AD' J, + -C?' -,- A.Z $ @' DG'+B@' B@?@' -'+B@'C@ @ ,

E '& A+ A.' , - '&%' ,&!&) ' +B@' G +@?' -' @,@ + -A' AD' CC A.@?@A+' -' -,->C' B C +@C ' - ' ' J C+ >, C' J A+@C'-C' B-,Z -C' D-J+@D' A' ' J C+ >, C'J >C@' ,' -' $' %0

LKK=P ')' Q':>A@Q=P '7@' B'+B +'+B ' C+ +' ->,D E AD-A' +B@' B- -, +@ BU@' B@?@' -' ,->C' A' B B' B@' B ' AD>,.@D' -C'+B@' , +' @ 'G@ C Z ;<NP'& ' 9 'C$ ' ' $ ' 'MQ 3C '/ C@' 'JC->D' -'+B@'T B@?@' -'+B@' D A A. C--?Z ,+B->.B' B@' D? ++@D' +' ' ' , ++,@' +CG A.'+-' +B@' -?J,@S -A'EG'D G, .B+

O' A' @C+ A' @A @'-' CZ j - 7B

1(;N' E' !+ +@, A@ Z J-?JZ '5-C?Z J@ +Z JJ@ C A @' 1 (

'$%J '#B B'C$' 0 ' , ' 'LS;' @CG'J +>C@' -AY + A.'-'? AG' .>C@' ?> +'A@@D'B @' -?@B +-C ,' J C+' A' +Z @@ A. A.' +' 'E>+ D>,,' AD'>AJC- + E,@ A. B@A' ? AG' ! B@?@' C@'B@ J@D'>J'+-.@+B@C' +B->+'@ +B@C' @A @' -C,@ CA A.

E ' OM=Q' " ' = 'C& - '&C@ Z !-'B .B' -A D@A @'? .B+' E@ -?@' +B@'B@ +' AD' B@?@'-'&-+@CG' ?> B' E@++@C' +B A' -E@C'&B ,- -JBG ' % ' OMP=' ' Z 7 ' $ 0 ' 8;MPP(;OP' B@' + -A' AD' C @' -' ' ?@A' @C@ Z >AD@C' +B@' B@?@' - J@ -> ' J, A D@ , A.Z ?- +'J@C D-> ' OMM=' " ' = ' ' " 0 ' D(' OO +' ' , U@,G'+B@' ?J- A.'&C @ + ' ->,D' JC@+@AD'@ +B@C' -'+B@ @' +-'+B@' J@-J,@ 8+B->.B'A-+' A' +B + ' -D ->' ' B@?@' ' J@C > -A' -'+B@' JC@ @A +@' -'+B@' @' ?-A' '+B@' / @' ?-?-A' +B@? @, @' A' +B@' @ -A C @ +@D' &, ' @' AD' ? .@' OMQQ < . ' 0 ' <'! ' A' K= 5-C'+B@G' B D' +B@' B@?@' -' +C>+B' A' +B@' >E + A @' ;MKO' 8 ' 0 &0 'e' ;= 8;QPM(<< O@' A-+' A'>AD@C ?,G'EC>+ @' +@?J@ J G B- ' B ,@' +B->' @ +Z AD' 7 ,U@ +' E->+'@C@ +,G'>AD@C +B@' B@?@' -' ? A' OQ=L' 11. ' '0;L'%-A+@AD A.' -C'+B@' ?@' B A.'>,+ ? +@,GZE>+'A' 'D @C@A+' B@?@

(' , ' ') ,(8!@@' I>-+';)PP' %Z=% (' OQOO' = . ,Q$' $0) 0PL=' B@'?>+> ;' / + A @' -'+B@ @' '*& $ ' C@' @SJC@ @D' A' +B@' ! B@?@' EG' 8(B B' .A @' ' -A@Z 8('!@? +-A@' -C' ?? ' OQPL' $-. ' " ,!( )**0"' , -O0 -'+B@' A+@A+' ?> Z ' > @D' -C +B@' C @+)' C A.' C-?' +B@'D @C@A+' J- + -A' -' +B@' +-A@' 'A' ' -A -A A @' KSS' ' B ' 0) (8@D'L(

D 6 - 1 - 1 0 5-C? ' ! @B@ ?Z !U@@A Z<' !U@A@Z K ' -, @?@' ^#' -E >C@' -C . A !-?@' @+G?-,-. '+'B @' -A*@ ,>+ D'+B +' , - 3$, ' A' D J+ + -A)' -' 'BGJ-+B@+ ,' +'$,&' , -&"'T ?J@C @ +' C B' 'E>+'+B '@@?' @C)'>A, U@,G a

B@' C'-' , C.@'C C \' A'+B@' ? DD,@' - '+BC@@' @A+C@ C B'-C'@,, J+ , C B' B @ ,G'$ 10' A' -B@?@ C BZ A' C B' -'+B 'U AD'8E>+'EG' C -> ' C+@C'D@ A@D' ' A' C B'-'+B@' -C?'&%' ' C >, C' @.?@A+',@ '+B A' @? C ,@(;QNL' = L ' , 0 5 ,0 OQL' @+'+B@' ,@A.+B' . @A' E@ O2'D@ C E@' $' ' %B@A D@ C E@' 'J C+ -' +B@' !!* 'O"?7B B' ' ,,@D' & $' ' B@'-+B@C'J C+ +-'E@'D@ C E@D' C-?' ' ' "Z ' ,,@D'+B@' . $-0 ;QOP 7 ' ' .61 ' &)' '?)! 'O -'D@ C E@' ' ! B@>@' C B' OQQL' ' B '? 'QK ' B@?@' -C' U@@A' C B' ' @.?@A+',@ '+B A' +B@' @? C ,@Z ;K<O ! ' (=' , 0 -!0 0 OP;O'! B@?@' -C' !U@A@Z _' ?J@C @ +' C BZ ,@' +B A' @? C ,@

E ' I> CX)T' %-A +C> +@D' +B' 'T B@?@' ;QNL' ' "' '%'C) , .0 K #'% C >, C' C B@ Z +B@C@' C@' L'9 AD '!@? C >, CZ ! B@?@Z -C '!U@AZ AD' C B@' ' +B@' LD' AD' =B' &- A+Z OQ;P 'C$!!$ &>' ' 0 8 ('Q;' B@'%@ , A.' C@'@+B@C ? D@' @? C >, CZ -C B@?@'^-C .'$' ' %&W(+B + Z - , + '+-'B @' A'B@ .B+ -A,G'-A@'+B CD'-'+B@'EC@ D+B'-'+B@' $--?

D6-1 -',&J?1/'-'0? 2

' $' 0 -'D@ @' ' ' B@?@'+-', G' B@?@' -C'+-'@ +'EG' -A+C A @'-C' A+C .>@ ;QMQ' 8 ' $) ' 1$ ';'LON 5-C'> @,@ ', G'+B@' A- A@.,@ +@D'%B A' BC@ +' 'DZ AD'&> A B?@A+' @C@' B@?@'D' A' A' $ JA' 'DZ AD'&> A B?@A+' @C@' B B' @C@ ,' C >,,G'@ A' @ , 0 SSS Z # @A @' B B' @C@' >,,G' AD' ? , ->, B@?@D' OKMK 5 7 '), $';KN 'C@ -,@D'+-' D-J+E-+B'J, A Z AD' J- E, @Z B@?@' ? -D@'-'@ J@' A OJ =!! ' $-&' 'L' B +'?-D@CA'+C' B B'B ' B@?@D'->+' + '.C@ +' B@?@'-'+B@' >JBC +@' ,,@G'C C- D

E ' 0 -', G' B@?@ ' +-'> @ A.@A>+G Z C@ -C+' +-' -A+C A @' -C' A+C .>@ +B' A +@C'?-+ @

OK=O 8 7' &) '< -&' '+' AD' D->E+,@' ,G'@C@'B@' ->,D'C' ' ,'J- A+' +'+B@'B@?' @' B@?@'D' OKP;' 8 0<$ 'S'8;KPO(;;Q'1->' ? G B@?@' -C ?@' '?>B' 'G->'J,@ @' E>+' ?' A-+'.?A.'+-'.7.@' >J' +B '-A@' B@?@' -'?G'- A' OKM' . ' ' .0 < 0 44' '4'OQ' +' 'A-+'+C>@'+B + 5C @DC B'B D' B@?@'D'+-' @AD' ,@BC'C->AD' EG'&@+@C E>C.' SKMM : 7 . 2(S SZ ' D-X@'J, A' >..@ +@D' B@?)@'+-'B '@C +G' EC A' !'B@' +'EC--D A.' AD' B@?@' A.

/' $' 0 -'C D+ @ -' ' B@?@-C -C?>, ' , -2
, - '&) (+-'J, A'?@+B-D ,,G2 $ (

[illegible]

L' ' 0 -'.-' -A'+B@ JC@@' , -' $' 0+-'J, G'
+? A+ C-?'8 B--,(' $!0 %' " ' 1 'PD

[illegible]

D6-1-<'$0 1(K$ " ' 1('1'* 'N$L'

D6-1-4-==')   ./ $(^ ' " ' 1"'H
O+ $L E ' ' D ' ' $

[illegible]

D6-1-0')   .$ K$ " ' ' 1'* ' L
;$ ' 1 ' 3 ' ' ' $

[illegible]

/' #A@ B-' J,-+ 2 -C , G ' J, A ' A' A' >AD@CB AD'
? AA@C

[illegible]

L' 8% ' " ' L(#A@ B-' J, A ' ?@+B-D '
-C @ D A.'D>+ @ ' ' B CU@C'

[illegible]

! ' 8!@@ I>-+(

[illegible]

D -1-0+'8 UC? C(' $ (K$ " ' 1('
i' 001 a ! B@? A.' JC + @

[illegible]

D6-1 K')   ./ 1!0 10 ^' " ' 1'H
G-,'%$L' G ' ' '3!$ " 'D /
3 $

[illegible]

D6-1 K')   5./000$ $(K$ " ' 1'
'O*' B ' ' 3 / $

[illegible]

D6-1 =*')   .$ K$ " ' 10'1'*
H:/ ' ' ' ' D A'
$ 1(

[illegible]

i O' #A@ B-' ' -A @CA@D' +B' A+C .>@ ' '
J,-++@C' 1 0

[illegible]

/ ! $ ' '#
/ , / ! $ $ '# $
' D6-L-'8 U@ J A2 A' / >' S) J-A(' 5-C?
P M' U@JGA2 M U@J-A2 Q U@J@A2 K -B@J A2
& B@J@A' KE $, ' 'I' L0 , * '&(#5C
, ** '$(# " ' , %% '(, $%% '(, %% '& 83 "
, *% (, %% (?-D ' , &%% + # @>+' +GJ@'
T .$* '&30(T .$* '&'Y0 >$) '
9) . ' / >+ B' ,D@C? A'-C J@++G'? . +C +@

[illegible]

! & !$5 ' ' ' B@' +G'? . +C +@' -A +' -' + -'
E>C.-? +@C 2 AD' @ @A' B@J A)-C ,D@C?@A' ,K-G 7'

[illegible]

! @B@C2' ! $
! -B@C ,D2 C' ' ' 1 0
+' ! B @C AD ' ,0 1 0 ^#C . A'>AUA- A' ' '
-C?' -' +B@ A ?@ -' +B@ 5C@A B'C @C < &' D]
B@D@ .A + -A' -' 'U AD' -' A@

[illegible]

! -B@C +2 ++2 @+8+' @@ #
! -B@C@2-E ' '# ' ! B@CU2-E ' 9'
'! B @C?8 U@ ?(' &) ' % ,$(- U C?2
U@C?2 @B C?' ^/ >2 , -' C@@A2 JC-Y

[illegible]

! B@C 2 B@C 2 -E '! ' J@,, A.'-' 3"
'! B @CX A D-'8 U@C+ AD (2$ ( ) 0 ^ + 2

[illegible]

! B@CX AD' ?-'8 +' >J@C, + @(

[illegible]

'! B@CX-'8 U@ C+ J(') 0 ^ + 2'! 0 J-C+2 *@ +
-' @>+'-C . A' '3" 2 ?-D ' , 0 J-C+ a
'? - @?@A+ -' ' , @,G' B C +@C2 - >JG A.'+B@

[illegible]

* @ C' , (-E ' '
! B@ @,,@2-E ' -C?'-'# C' # ' 10'
'! B@'! ! ' 1 0 ^?-D / 2 ' C' 4 A'C@, Y
+ -A2 + +@2 -AD + -A' 8 A' ?@D , C +@C ']' @A @
N E@,- (2 C--+ , (JC@ "@,,@A ' TOX> 3(@ U'
.C D@ -'T Y(B@A @ C' +-'B @2 B-,D2
@+ ' @@ " ' 3=.
B@? AA@C A' B B' ' +B A.' ' C@, +@D' +-'
- ?@+B A.'@, @' C@, + -A

[illegible]

C " 0 ' ' 2 ! ' ' ' ! 2$

[illegible]

! -B@ @2 -E ' I' # ! B@+2 -E ' '
' $ 0 ! B@+ C@2
-E ' ' ! -B@+@2 -E ' '
9 '$ 0 ! -B@+@,2 -E ' ' *
! -B@+@A2 -E 'I' ! B@+@C2 -E 'I'
! -B@+B8@2 C@2 @C@2 -E ' '

+! ,S@ + 2 $3 C$ 0 0 K$ O , 3
,) ') ' , ,$'% 1 >+($, $ (0 ')
' 2 2 !
'd5d ' 'N ' 2 '-'
! 2 D ' /
'! / 3 ./U6 (/Y(W ' + $L
' ' " $

[illegible]

C,E 0 f !%" %#

[illegible]

/ ' $@, + @
$' ;MKK %>/7#$ " - -) 0 & 0 ') L;(' !K 3-C ,
--D AD' ,' C@'! B@+ ,' AD'$@, + @' A?.

"@A-@' 'K B@ + - ,aG'$ 0"' A' 'C@, + @ @A @

[illegible]

! -B@++8@2 ! $ $
! -B@+G,,@2 ! -B@ @C8@2-E ' ')
+' ! -B@ 2 0 JB@+ ' C A+ -' M

[illegible]

! B@ 8@2 ! $ $ ' ' M ?2 9
! B@ 62 3 $ M
! B@G2 -E ' -C?'-' ' $0
! B@G ' ! ' JB@+ ' C'-' M

[illegible]

! A)G,2 ! B 2 -E ' ' ' 9! ! B
+ 2)) -B + @U@2 -E, ' $
! $ ' - 9

'! B @D ?' 8 UOD @ ?(' , -' ! #B @D ? ?2
KU8 (@D ? ' ' C @+G -' . A2 -' ,,@D C-?' +B@
+- A' A' " -,, AD' B@C@ + 'D + ,,@D

[illegible]

'H *$.' L G ' * $

[illegible]

! -A D / D@2 3 $ ' ! -A I 8@2 ! $ $ 9
! B ,2-E ' ' # R' 9 & 3 $ ' BC ,,
! -B ,D2 ! $ ' ' #

[illegible]

+! B ,,' 8: ,(' ' , -' B @,' ^ @A' , !! '
>C-J@ A'J U@ J@C B' 'N

[illegible]

! B ,,2'! -B ,,@2 ! $ $ # ' $/
'! B ,,@C'8) ,D (' '(^ @A2 J, G-' -,->C 2
., +@A A.'EC .B+A@ a
' A' @C+ A'+@C? ' D J+@D' C-?' @A2 D@A-+ A.'
? A@C ,' -C C- U'B A.' ' B A A.' >C @2 '

[illegible]

/' ' J@ >, C ,> +C@ B C +@C + ' - ' @C+ A'
? A@C , 2 ' BGJ@C +B@A@ ' , -'$ 1(

[illegible]

! B ,,@C +@')C, C- +(' '(^ ' . . 'N
G+$L A' . .C@. +@ -' A-C+B @ AD' @A + +@2

[illegible]

! -B ,,@C X + - > ')@ ! A?5 .$ KU *
3+ i' 'G -$L ' ' ' ' 2 /
3 ' ' ' ' 1 ' '
2 ' ' ' ' 3 ' $

[illegible]

B ,,@C X + -A' A' -A@D C@ + -A
! 3 6 @C X@',M .470(*I/'- ' 0?' ((T !'
' -'=E3M-D*,('D0+=*(4/*7'*6-'D6(K-'J 7W'
(=' =D6 44-0 I(*7 ' "@I @ D6 .44-0 <<' .
D6 . -0 I K'- ' , 'TE7*'

[illegible]

D3 44-0 =L(0 '(^ D'
, !! *$.')%_ M 5?' ' E , ' '$! ''
$ <<b.' ' ' $ ' 2W5

[illegible]

4 76 4 K ? 4/ ' ' ' S $ K, $'
@8 4 $ %0 &? $ $(9 C ' Q

, @C - A AD ? -A@G - ->A+ -C ? @C,G A > @ A
-C+B @C ? AGZ - +B@ ,>@ -) ? CU -C
J @AA . , ++@C,G , .B+,G - @C (+@C, A.
B - ? @ J C+ - @C? AGZ B@C@ - A - C -> + @
C >, +@D C@@,GZ +B@ A B@ , !! AD & , - @C@

H0 $ - 1) H B@G 9@@J +B@ C ->A+ A ? CU AD B 6
, A. Z S+@@A B ,, A. +- ? CU SK.K) $" > $ 1.0
(< - (0<< 0 7 C? @)E +B - + 0= B ,, A.
! - B ,,+@C - > A Z +BC> ? 2@+ Z C Z 1 (
;! B > > ? @, %B @ ,G (% ,$ (@C 8:C? ,(
AD / > 8 S ? ,Z % J@ / > Z U ?,(a C- A B-C @
I $ (: E++ ,S Z B@C@) >A - ? Y
A. D- A +B@ ? CU@+ +B +BC@@ B ? ? @, 0 6 J
) + A. 5C A +- +B@ E-S) G @A+ +B@ B ? ? @, Z AD
/ -EE A +B B B@ D -A B EC@ + ;K<<) 7 7)
2 $!!&2 Z 1 -> ? G + U@ ? E@ + B-C @ +B@ +B-C->.BY
EC@D B ? ? @, 4<NP ? !$, . 2 0 $ 0 !@J+ L<L 0 ! DD,@
+B@ E,>@ B ? ? @, AD C D@ B CD +@C 0 C+,@G
! - B , A Z ! $ 9
! B ,, D G , @ 8VU AD ,C ($ (F? - 9 Z
C 8 " JJ - C +@ +@D EG ,@A(a
A C+ >, + -A - CA) EG +B@ C@ @J+ 3 - +B A
J, +@ - -A@ E-A@ A+- >C@ -C .C-- @ A J -+B@C
;KLN $: L ? $ T $ 0 #Z8 ! B ADG,@
GA C+BC- B B C@ >,+ C- ? +B@ C@ @J+ -A - +B@ C@ + -C
C D.@ - E-A@ A+- +B@ .C-- @ - A -+B@C ;KK<)
) - $ $ 0 8@D 0(PN
$ 1(4K=N 7 : Z 7+ ! # $ 0 $ (8;K=0(=0
B@ B ADG,@ >+>C@ +B@ C@ @J+ -A - -A E-A@ A+-
B@ +B -C >C@ - A-+B@C
+! B A @ 1($ V ^ D 8 >, . +@(
- $, /6 (Q / > > - ?/5
Y 3 : 1(N$
;MN< . 8 / -> G( ) % $ P= 6 AD@C 3 A@ +C@@
! , AU@ 1 ($ 0 ^ / > , . ! . - d H (
B AE-A@Z , . ? +++-A Z B ? , .
B ? a E ? Z . ? ? - A
$;ML= 1 * &) A 8;MP=(LL " @ B
@,,- E- C " @ EC- > .B+ B AU@, - . - - D C) -A
! - B J Z CD Z ! $ $ $
! - B J B Z ! $ 9
! - B J J @ Z ! $ $ $ $ 9 $
! - B J J @ C 9CJJ) .$
! 3 J J @ CU @ 8 S JZ CU "% 3 * $. +0 ^ / D ,Z
0 F, ++,@ E- + ? A a U AD - , JD-.
;KKQ 0 : >,G Q 0 B@ ! B JJ@CU@ , ++,@ E, U D-. Z
E-CA +B->+ + , Z - ?@ ,# ,E A @ .B+ -C -2 C@ EC@D
EG +B@ E- + ?@A A " - ,, ADZ AD C D + - E@ @S @,,@A+
B AD ,, # >.B+ B JJ@CU@ +- B ,@ ? @ +
! - B C Z ! $
+! B CU Z 0 1 0 $ 3V K$, ($0
a 3. 9 8 9 1 0 $ 0 G ! /
4=--) ! 5$ =K;M J@ B + - B@ @E> @ -A
E C, AD (V@ ,->D
! - B C ? @Z A 9 " 1(! B CC Z -E
! - B CCB Z @+ @@ , @+
! - B CCG @Z -E ! - C? -)
! , ? 8 X ? (Z 10 5 - C ? = Q - ? @Z P
- ? @Z ? @Z P M ? @Z G ? @Z - G ? @Z
9 - G ? Z - @ ? @Z G ? @Z ,0 - ? Z M Q
- B ? @Z Q @ ? Z B ? Z Q B ? ^ 3 9
, - % , " - (Z # 5 , - (, - 8 ? - D 5
, - + U &A , - $ (! J , - $ (& . - $ 8 ?
B ? Z % (B ? (Z + , - $ B ? Z , - $ D Y
-CD Z ,, ,,Z D @ , . - $ A@ > + Z C
$" $* $ C@A +Z ,@ + 8 A +B@ JJ, @D . + - D Y
-A A +B@ B>C B(Z + - J, +Z C@AD
A +B@ SM+B +B@) "A. ,+@C@D A A. 8 , \- A
5C (+ - , - EG ?, + -A +-+B@, +@ AD CZ -C ? *
A +B@ @C -A - +B@ @ @ + ? @A+Z > !@D +-
C@JC@ @A+ +B@ C A - ? @ J . @ Z B@C@
+B@ @A @ +B + - 8 ? @+ JB-C , C@A+ -C ,@ +
;LK 9 . 6 Q & 0 @ , E, @ +B@ 6@ @G@
+B@ ? @ +B A.Z AD +B +) ? @ Z -CDG>G +->A ZD @- +->A Z
-C D -CD Z E@ A -+ ? -A.) S) 1
$, 0 8;KK=(= + A ? @ D -CD -C D ->A E@
? A. - SK . 8$E@ ? (& 0 S6 OP B +
+B@C@ ? .B+ E@ A- B ? @ D +B@ E-DG ^! - SM+S a
0 !0 EC@ B - + B@ >A +G - +B@ E,@
%B>C B +B@ D -A Z @ +B@C - +B@ B-,@ %B>C B
-C - - ? @ J-C+ -A N; +Z A+- @J C +@ AD ? >+>Y
,,G B- + ,@ -C. AX + -A +B@ -AD + -A - E@ A.
- D D@D Z -C A A + A @ - +B , - B(
+B C@ @C@A @ +- -+B@C C@, . -> - ? ? ? +
-CD A. +- +B@ D@ + -A . @A C@J@ +@D,G A C ->
-C ? EG >. > +A@ AD -+B@C 5 +B@C Z +B@ +@C ? B C@ @CY
@A @ +- ->+ CD @J C + -A Z A-+ +- A CD D @C.@A @ -
E@, @ @A @ B ? D-@ A-+ A@ @ C ,G JC- @@D C- ?
B@C@ G AD@@D +B@ ? - + JC- ? A@A+ JJ, + -A - +B@ -CD
+- @J C + -A > @D EG D J>+@ -A ? ++@C - D J, A@Z
+B@ D +G - A @,@ + -A +- E B-JC -S- @A+@A @
- D@JC + -A Z -C +B@ , U@
4L<N< 8 & % ;P AD -+- J@U@ >J-A +B EC A%B@Z
7 B B JC->D A @ B +B +- JC A. @Z %+ !D SA@ ^ B@
C@ @C@A @ +- +B@ & J ! B ? @ E a &!!0
8% ? D@A(0< @@D - G ? B>,D E@ + A @G 4==N
A $ 0 $, 8;KM=(=PL -DD@ @E C@E@
^ a >JJ-C+@DZ AD +B@ + +@ AD - -AB@D@ +B@C@- -E @C @D
? @ Z , U@ @,,@ +- B @ .C- @D +B@C@ AA@Z ,@++@D AD
+E-- +B + @C .C- @A ,@++@D AD @ @D ;=PM <
3 $ 2 - 8! ! (OP B@ U CU , A-E
>C +@@ - ? @ AD - %C ;P=< & - * !(,& 0 S S ;MN

/ ->+,@ +BG E> -A@Z AD +B@ A +@C ? A +C + -A@ - +BG
- @Z +B@ J@ , > @ - +B@ ? AD - D >@C @ +
+B + +C>E , C + A +@Z AD I>B->E@ + +B + +B@ C>+@ -
+B C ? @ AD @ + E@ A .@C? A@ZD@A ? CU AD A., AD
P!K F !! A : 3 ! -A@ $ " 0 8;<N;(
PNK A +B@ +G ? @ - +B@ , +@ ! ? @ +B A +B $@ , ? @
$ SM-- - (") Z e ; ; 8;M;=(;K +B@G EC@ U@
+B@ E-AD - A + @Z B@C@EG +B@ E-DG - +B@ %B>C B
->J,@D AD UA + A -A@Z +B + - @J C +@ +B@ ? @,>@ EG
D -CDZ EC@ B 8E@+ @@A J@C -A - C +B A. (
B ? @ $%J+ 3 - 0 ;QP O G B B -CD
B@ D -+B C@ @ + +B@ ! ? @ - +B@ / -A + + $%> B) 8
!!0 *% 0 OL; 5 > +> +- - U >J +B -A @ +] B + E-+B
+B@ %BC + A AD :@ @C@ A- -+B@C +B A B ? -C
>ED @D @ + - J . A ? S !J 1. +C &, . > 5
(&! $ & M ! B ? +B@A A-+B A. @, @ E>+
!@J C + -A ? D@ A +B@ %- ? ? > A -A - +B@ %B>C BZ >J-A
->A+ - - ? @+B A. A / A@ 7 -C B JZ -C ,@ +
/ J, A@Z+B +A-+ AG A@ @ CG J C+ - + > B
0) 0 ;; =M B@ B ? E@+ B@C@ C@@U AD + A
B>C B@ Z B B B JJ@A@D A +B@ A A+B @A+>CG ;KL;
0 &1 (Z A -CD@C @ - ? J@, +B@ & +C C B + - >E? +
B ? @, + - +B@ &-J@Z D-J+ +B@ + A -C ? - +B@ C- Z AD
J>+ A @AD +- +B@ B ?
E * ,(+ +@ - D D@D J C+> , ,,@. A @
A 7 @ +@CA %BC +@AD - ? 8-CZ + A @ C, @C J@C -DZ
A %BC +@AD - ? .@A@C ,,G(> @D EG D J>+@D
@,@ + -A +- +B@ & J G @ J < $ 8 - +
, - 8;LQK ;=;Q(-+B@C) B ? " C- @ C- ?
+B@ , ? J +B@ C , - ,@S AD@C 8;;P<
;;QQ(AD - +B@ A+ J- J@ 5@, S 8;=LO ;==K(
;=) 17 S &0 8$ -,,(KK A B +G ? @ ? @
E@+ S B ? ^!G? ? B> a AD -A >C@A Z , 4=MN?) PNQ
B G@C@ E@) .@A@C , %->A @, - 0 - D@J- @D &-J@
>.@AG \E@ E@ @ 5@,S \ (V) E@. A ! ? @ B B
@AD>C@ A+- G@C@ - >C@ -CD B@ > %C + 3 *Z
S, "* 44P4L- 3 & 0 SSS OQL B@ ? @Z
G +) C, ? - A. +B@ CDGA ,,G Z @ @,@ -A - +B@
) J @ ,@S AD@C +B@ , B B G C) EG ? @ A - +B@ C +
5C@D@C U@ +B A @ ? J@C->C@Z @AD>C@D BA-- +@ SS G@C@
& 0((L= B) ,-A. ? @ AD
D@ E -A JC-A. \ -A+ A>@D A +B@ +B-,U@ B>C BZ S .S
(,(<& 0 0 Z 8;QL) B@ &-J@D- ?
A- >AD@C ! B ? E@+ @@A + & -J@ Z %,@ ? @A+ AD
6CE A ;QM4 #QB 0 ;NQ B@ B ? -
+B@ & J G E@+ @@A ,@S AD@C AD +-C ;K=P "
&*(4 ;KO B@ D@ +B - C@.-CG - ,,- @D EG
@C -> D >,+G C@ J@ + A. +B@ B-) B > @ -CZ
B B . @ C @ +- +B@ @ ,-A. -A+ A>@D D @A -A A +B@
%B>C BZ - ? A-A,G ,,@D < $ B - 0 SKK.
= B.. 7 A ? , !0 ? 0 4 4 PNO +) B@ ->+EC@ U -
+B@ .C@ + B ? +C> U A - ,@ D@@) G +B- @ @A+ ? @A+
- @A@C + -A) D@ @C@A @ B B E E +B -A+ +-. +B@C
C->AD +B@ J-A+ B C
- BW - @A @ - JC- ? -+ A. +B@ -C ? + -A -C ! B ?
-A+C E>+ A. +- +B@ J@C ? A@A @ - B ? -C
D -A A +B@ %B>C B -C J-C+ -A - + +B@
+ +@ - E@ A. >,J E,G @J C +@D C- ? +B@ %B>C B
&BC @Z , - (
*!0 $ & $ + A C&!(C& - 8$-,, (=;
+B + - ? @ - @A +A +B@ B C B+ +B@ B@+@ D +B
+B +B@ ->C@ -D@ -C +- @D>) \ 8
C! $) C( ) 1 -> , GD@ + -+E@JC Bb.@ B@C@D@Z ! ? @
AD !@D -A) A !+CGJ@ , !0 - 0
8;Q0;(" JJ S OP= AD -C +B@C C@ ? GA A.@ A
! B ? @) ! @ + &, .@ - - D C@ ? GA A.@ +G,, >J-A +B@ ?
;PMQ A 0 0 !@A ,, LO= B + D-+B A- +
- ? J,G +B +B@ -CD@C - +B@ %B>C BZ , +@,G J>C.@D -C
,@A @D C- ? ! W ? @ AD D- , +CG SWQS 1 0 !0
S + 8;MLL(LM B + +B@ -A@,G C@J-C+ - B B-,GA@ @ AD
>AA A. Z @S +@D +B@ ! -++ 8, +@ BC +@A@DZ E>+ E D A. A
? @(SMM ? . 0 &-0 C $ ($ " (5C- ?
D- +C A@Z B@C@ G) AD B ? ;MQN 9!! H(;L
B@C@ +DD -A - > B A ! 3 ? Z A DB@C@A @ + -
- ? @ E,@ %B>C B @C@ A-+ A@ @ ,) R &Z 11
&, . > H @ &! $ & M;6 @Z B B@ +B@ ! > @ ?
A ? ++@C - A.> .@Z B !@+@CA>A@D +) + " @C@
C@, +@ + - CC-C A 5 +BZ AD ! B ? + - +B- @ A 7 -C B J
-C / ,J, A@Z S) (= $ A S 8;QNP(P;0
->C C@ C +) A@ D@.@A@C +@ A+- +B@ .C @ -> ! A -
! B ?Z & - 0 PO B@ A -
B ?Z EG A- ? @ A +B@ -E @ + - +@ ?) C ? -@C -A AD
J>A B ? @A+ C ? !! C- , S !B@,D A.
C- ? +B@ .> ,+ - B ? B@ -C+E-D-S , G,,-. ? SK=
* ,59(B@ CD B@ J ? C -A - B CJ A. -A
+B@ B>C B - ? ? -A@C (- B U A. + @- -. G AD
D ? HM $ S B7 " , 8SWM) ;L AD
+B@AZ D@ J +@ ,,B@C@ G AD B ? Z + B@- FC , ->C B
D @ + -C E-DG -C ? @D EG D -A +B A +B@
%B>C B E-DG B B@Z @+B@C A %BC +@AD- ?
.@A@C ,,G -C A - ? @ J-C+ -A - +Z ? A+ A A
@ ,@ + ,- C. AX + - A D + A + C- ? +B + - +B@
% +B-, %B>C B B ? + @ +
,S SS 0 ? . 0 - 0 8 CE (O<N B@G D- - +B@C -C@
+B ? -C@ % A + A+@ ? GAD@ J@C @>@C A +B@G@C GC + G+B
+B A D- - ? AG@ - E@ A.@ D >,D@D A+- ? @ AD
@ +@ B E@ +BGA.@ A@>@C B >A @+B ? - A.@ +B@ ? 4PQQ
+C ?)!! C ,$ A LMM @ +B@C %BC + A -C +@C@
, > + -A W+- +V@@ ->AD +B->+ +B@ B>C BZ A +B@ @ + -C
@E ? @ - U@D B@C@+ U@ ;M=P 8 0 8;MPN(
< " @A @ - ? @ + +B + +B@ @ C+B C@A+ A+- ? AG
C@, . -A Z AD +B- @ C@, . -A - + - ? A+- !# ? AG B ? @ Z
AD C -> - C? - D@ - + -A ;M=< B, # . & 0 SS
0;P B + %B>CD +B + C- ? +B@ A ? @ - D + A + J, @
+ U@ + A+-C +@ A+- @+>J D + A + 5 +B -C - @CA ? @A+ Z
! @ ? AD 5 + -AZ A-+ %B>C BZ S) = B.
0 $;=L A-E,@ , DG , ? - @D B@
,@AD EG .) A. B@C A B@ A . @ 7 B ? ;KK= R
? ,,Z AD +B + AA-+ .A -C +B + ->,D
? U@ # >C , AD %B>C B B ? C- ? %BC +@AD- ?
6 0 [M=N 7 I $ & G->C D@ .A@ 0@
+- -A @C+ ? V -C UA- G->B-,D , D@ A ! B ? @Z
B- C@G->A. AD JC->D
i @Z B ? + , -JA-A 1 0 $ (
$%&$ = . & * 0 8 CE (PP -+ +- ->A+ B ? + +-
JC A+ A ? AD 7 +B->+ +>+-C AD @S ? A@CZ ,@ + B B->,D
DC-J @ ? Z -C - ? @+B A. - CC>J+ -A

A @ C,G> @Z + +@ - D >A -A ZD @A -AZ
-C ? > +> , B- + , +G - +B ? -C@ C@ +C +B@
? @ A A. 8 A ,>@A @D EG @A @ 0 AD +B@ C @+G ? -
D -A A+- ? >+> ,,G -JJ- A. J C+ @
- E-DG - J@C -A +B + @ JC@ - > ,G +@D A
-A @C+ , - Z A C@ @A+ > @Z @ @C A @ - >A +GZ
D -CDZ EC@ B 8E@+ @@A J@C -A - C +B A. (
$&A[ ) 7 - 1!" & % <& = ; ; B@ .-DDG C@ ? @ ? ECGD
+B@ ? @ -DG-> ? -A. +B@ +BC@@ .-DD@ @ +B + B@
^/ -CDa B D C->.B+ , + +B@ @ + - &@,@> ;==N 1
7 3 % 0 V$ 0 =P= 8 3 ! C>AD (Z T + >, J@C,,
->!Z B@ @GD@Z T +- E@ ? GD@ AD @U@) @@A ? G E@
>, -A@ C GD@ -AG CG GA.@ -C -AG ? @ ^) ! $ 2 !0
? @a E@ +@CD@ $&&> Q I " " 8$-SE (LM 0>+
B A +B + @ ^ A+- Ba G+B G ? @ A@C A- + #-A
> +GA +- > U GA@ C- ? E@A ? @ ^!+ 3 C. C@+a EC- +
;=;N < $ &-(SS ;<M8 DD 3 ! (7 B@C@ +B +
? @ AD D@E +@ ? -A.@ AGZ B@ , E-C@D -C +- ? U@
-CD@Z A+ .--D -CD@ B-,D E@ B D ;=QQ & "
? .0 =ON AG J@C -A@ +B +B >@ @AG @D> -> , A. .@Z
B B ? G.B+ - @ @AG G ? @ E@+ S+ +B@ UGA.@ .--D@
.C @ AD @AG B , -CD@X $5% B) 0 1 0 S
e ;;N 0> + +B ! B ? @ CC @D ,, +B@ $@J>+ + -A AD
>+B-C +G +- +B@ C ? GZ AD ,@ + A-A@ +- +B@ & C, ? @A+
$> J B $ & - - 7 U 0;M A -J@A B ?
A + A+,G D D@D +B@ %->AC , $ J& = B. C
5 S- B@ B ? B B B D D D@D +B@ 7 B . J C+G
A- - ? J,@+@,G B@ ,@D SWL< ?!$,. 2 0 $ 0 4,)MN
B@ @+@CA AD A@ + E,@ B ? E@+ @@A +B@ $- ? A+ +
AD +B@ %, + SK 3 1 = ? $) "
S OM; 85>AU(+ JC@*>D @Z D +C-> + >AY
->AD@DZ +B + +B@C@@ A E@ B ? E@+ @@A +B@ B@ C+ AD
+B@ A+@,,@ + +B@ D A+ .@ - @ +B@C ;KP
- 0 ! 0 8;KML(=0 ++C + -A +B@ ? - + .@A@C ,
A +B@ ? +@C ? ,C,DZ AD JC@ @A+ B ? A +B@
>A @C @ ;KQ0 " B (. 0 OPO B@ B ?
@@A, +@C +>C@ AD +B@.- @CA ? @A+ D@D EG A-+B@C
B ? E@+ @@A ,+@C +>C@ AD C@, . -A
E % + + -AZ J C+G @+ -C ,
- J@-J,@
SDS< C ? !! , Z " @ B D -A A >JJ@C 0@A* Y
? A 85-C B@ - +B@ DC A. B ? (;KON] , &%
!$ SS Z A E AD B@ . -,@C @A+ +B- @ - +B@ , E@C ,
B ? 5C@@ +BC-> .B +B@ +C@@+ - 3 @ ? JB
#$) 0 I > 8 / 1 0 $ 0
$%/J) B +C $ & - C 0) 0 LN
@C+ A@ 5C + -AZ B B ? G E@ +B@ D @C@A @ E@+ S+
-A@ ? *- C AD -A@ ? A-CZ B B @ A- ? A +@
! B ? ^- C. " ,)$- . - $ & - $ -) H0 O%0&9 .
$ - & " KMZ & (B@A@ @C ? @A+ -A / @ +B->+
&E+ + -A - & (-C AB C ? - A C AD
B@A ; - ? @A+ -A %- ? ? ? @ A %- ? ? $8) (-C
" P 6 @D %+ A +B@ @ +G ? - , - . @A @
C@A+ -C +@ C 8 A . C ? @A+(
QMQ ($ " 4 SS Z 3 G B C+ @@ B +
D@ -,G B ? B B JJ@AD ? -A. + ? QQ0 $ < 3
* 0 A) 5& 8;QKL(;=& " @ ,@ @,,@D B A@@D,@ + +B@
B ? A B 3 +@C +C-> @C Z
@ AD & K .%#
!@E A +Z +B@ + +>+@ ;L AA@ G 8;Q;=
C@J@ +@D A ;Q;< EG P @- Z =(Z C@I > C ? . ,,
+@ B@C + - -A -C ? + - +B@ + E, B@D %B>C B
- ! - B ? 0 , - B ? B-> @Z B-J Z -AY
+@ ? J+>-> +@C ? -C AEA+-A -C ? + J, @ - -CY
B J 8- -A ,,G , - JJ, @D +- JC-JC @+ CG
B J@, @A @D -C %B>C B - A., AD @C @ (
" 3? & - ONN 5 9 B +B@ + B B
C@J) @D +B@ ! B ? + 1 (+B@ ! B ? 0 ,,
K> 7 9 0 0 PLL B@ B ?
B ,,C@ @ @D +B@ C- G , @A+ :>A@ OP S
A & , & %0 MNQ 7 B + +B@ C , T B ? 3 6 @ H
5Z * S) # ; > ,G Q!Q = A $ - ? B B ? B@> @
A +B ->A+CG K- S %- > " 7 A % =M=
1-> ? .B+ +C @, MN-C QN ? ,@ AD A-+ @@ B>C BZ #C
@ @A ! B ? B-J ;KOL B 0 & 0 &) "
LN / @ A % 8;KPN(!= C@ -,,@ +@D +B + A - +
B ?) B-J +B@ @C? -A ,-- U@D >J-A +B@ ? A +B A. +
-C 7 B B +B@ -A.C@. + -A) ? E,@ 4==< +
6 [L< B@C -C@ +B@)@A @ @C B@C - E@A +- E@ C@, +@D
) C@E>U D ? @ - @C AD D, +>CE,@C - +B@ J@J,@
[W3 ($ + J + + - $DC / ;Z ,
,) - A+C + E,@ AD @D + - > ! ? @ - @C 4PL< 9
& 0 8;KQP(Z 4NQ B@ .C@ + ,>D @ AD +@D !+
! +B + E@ +B@ D + U@A AD -A+GA>@D A ,, +B@ G ? @
AD D C -A +G ? @
Q ! B ? Z 0 ? 2 U !
- @J C +@ B ? + ,,G
L% & # $ & $. &) QQ "@ +B + D @C@+B
C- ? +B@ - J@,, -GA@ +B A-+ +- +B@ %B>C BZ E>+ B ? @+B
C- ? + ;MSN: 6) %0 *$ $ & 7 U ;KP;
0<L + A@ @ CG +B + B B +B A@ + +C>@ B>C B
C@+>CA >A+- +Z C- ? B E@ B +B U@D,G B ? @D ;M=P
9,55 A $ 1* - M< B@ A-+-C->
. > , + - @E ? A. C- ? $ - ? @
! 3 ? 8 U X ? !(2% + % & @E
? + , - < UE ? ^, +@ % F D ?
D A ? - ? ? + 80-@ +B > Z I> - + A. &B ,-, > (Z
J@ , > @ - C 8 # D -AF @@ 2 0 @ G
+@C ? D@A -+ A. ? ,, A+@C , - ? > , J + BZ
A A @A+ C@@U > @Z +B@ B , - - ? ?
E OG / @ C+@ AD - ? @ , +@C C +@C
JJ, @D +- +B@ D @C@A @ E@+ @@A ? *-C AD
? A-C +-A@ f L 8 (- B@
D @C@A @ E@+ @@A D B ? AD GA+-A
- ? ? Z C@JC@ @A+@D EG +B@ C + - LO KNP LO QMK
!!! 10 =a L $ - 1 " !0 * 0 $ >
. . ! - &! $ 0 - A S =L; "! & 0 B !>B
++>+ -A ? ->A+ +- +@ ? J@C A,@A+ +B J@C @ + 5 +B Z
AD ? *-C B CD +-- +EG UB ? 2-C A@ C,G +B@ @ , @ @A+B
- ? ? ;KQM % 8 " & - &" LK

[illegible]

[illegible]

[illegible]

8 9 2 $'?& 0 K$ 51'7 , .'
3 ' ' ' ' ' / ! 2/
;<NN 0 ' / '# '<!& 0 ?& (- (
9 ' $ ' 1 0 $ 'U' ' ' ' &' 0
2 $ K $ ' , $ =6 (9G06 / $ 6 (jZW
6 (6Q9 ' ' ' !-0 !3' E 3 / I
2 $) ' " $) - & &) !"'* $' ,0+
Q= L' - .) 7'C !($' (7 U ' ;QQ;' 'PNN 7 @' C@'
-C @D' +-' JC- @@D7 EG' +B@' ?@+ E- 6 ' -C' ?>+ + @'^?@+B-Da'
A-+' EG' +B@' BG + ' -C'D @

' 9 9S /' < &!0 , 1 (K$ ' ' $L'
P / ! ' ' %
SK-M < $0 ' ,& (8@D'@(OP<' B@'C- U ' A'+B@'J C B' C@'
? - +,G B A +-A@) AD' B + ' +C + >' SK-G") '
PN' 3) ' - ' B + 'C- U
') = ./ A ' ,&) , ('& $
K ' " $L' ' 2 ' ' /
' ' ' 2 J ' '
1 ' ' ' ' ' ' =$
SK)!' +C' !- &!0' ' $(&' ' JJ' S+S' MPO'
!UB + % '-C' "@,?B-,+C A'^+@?J@C ?@A+a' ' +'? G'E@' ,,@D'
B@' A ?@' !UB + ' ' D@C)D' C-?' UB, + B B' '> @'
-C'+B@' ? ,,' A+@C ,'+B +' '-A@ @ .B+B'- '+B@' C@@U' UB, ?
B@' - ?J,@+@' @C @' - ' UB + ' +-A@ ' 1 0 QM=' '
UB + ' A+-A + -A' ->,D'E@'@ ,G'JC-D> @D' A'JC + @
= 2/' < &' K$ ' ' 1'* ! .' $' 0
G ' 3 ' ' / ' $
$ ' 9 $(
;K<N' %- 0' P' < 7 ' A'A(" - !(' < &' &,0 4
!-?@'d '+B 'C- U' 'BA@ .C A@D7 AD' -?@' ! B + +@D' 7 +B'
, C.@'D ,, ,@' AD' @, J C @G@' 1 (LNP' B 'C- U'
D@ C E@D' ' B + B@D' @CJ@A+ A@
') 9 ./ $0' < &!0 K$ ' H
E E$L' 3 ' ' ! / $
;KP=' ' +C') - 1&! >' $ ('SS 'L<K 7 @'
A'+B@' ? ->A+ A ' - '6 JJ@C'#C A- -2Z .C A +@ 'J A.' A+-'
.A@ Z AD' B +- D'B-CAE,@AD@ ' ;KPK' = ' 5*& (5(
') =)Y ? .$ &- $, ' K$
, $ 6 (Q ' 3 / 3 ! ') ' : H
!%#& a' ' ' ' =
2 ' ! 2 $
;K)' (V ' ( ) 0' $ $!(0' **$ $) ' - ' LMQK 8;KQQ(
) P' 9- !@ ' ! B +- -a) Z -C'+B@'JBG -,- .G' - ' -,->CZ S) '
9 - - /) <) ' &- $, 5 ' ;M;' &@CB J' '+B@ E@' +'^A +C>Y
?@A+a' ' +B +' B B' ' -A+C @D' EG' 0 U@ AD' ,,@D'
EG'B ?' ' B +- -J@ B ' ?@C@,G' ' -? E A 6)'- '
' - J- @C' ?J,@' ?' C- -J@' +B' 'J-, C W -J@
')@9 ./ $0' ' & $
K$ 'C1'* :$L
:$ < &!0 O D 3 ' ' ' |
! ' ' $
$>0&' : 8 ' ! - ('0 8@D'O(' OKO' !B +- @' %, G '
C @+GZ !, +@'%, GZ !B ,@Z S) S' $! ' "' &8 $!& "'
$ ' ' <!$ ' !" ' ' LPL' ' -A ' B ,* b,,@D'%@CC .'
G ?Z -?J- @D' - ' B +- @'C- U' 4KLK 7 'b(8
0' $ '@+ 'LLQ 7 +B' ' - +@D' -C' B +- @' C +>C@' A'
-A@'D C@ + -A' ;KQ<' $!> ' ' ( ) ,0 'OPP O B@'
-C@ ' C@'C BZ AD' C@' ->AD' A'J- U@+ ' A' ' B +- @'C- U'
+' ' %,@ A.' +@C' +B@' ? AA@C' - ' ! B + ' 1 (
$ J$ = B. ' ' (< & ' : ;PK' ' - +' , G +-A@Z +B'
' B +- @' +@AD@A G' -A'@SJ- >C@
i' ' E->AD A.' AZ B C +@C X@D' EG' B +' 1 (
4K=L' &-$ - 9' < &!(;QP' F> C+X' @ A' C@' E>AD A+' A'
? AG' J C+' - '+B@ B +- @' ->A+CG
#$?& (' 2/ ' 9)J$ E$@ / %&RR.$
9 2/' < &!(K$ ' i'* ! .'
G ' ' 3 ' ' '
2 ' $
SKKK' 9 6 +'? (C & 0 ==M D@A-+@ ' +B@
B +G' - '+B@ CG + ,, A@' B + Z L L'#' ' 'A' $) '
4<!@J+'P;L O'O@ -C@'+B@'J, A@ '- ' B +-C +G' @C@'D@ @,-J@D'
A'+B@ @' / ,C D A' B +
')@=b& ./ $(K$ C i'* , .
:$ < &!(%2 '$0 $
;KNK L' ?$!!$ T ' $ (8 KOV ' ;SP' +' ' C @,G'@ @C'
-E @C @D' A'+B A', G@C 'E@+ @@A' B +->' ? A@C, ' 4KLL
' : B ' $' (1"' & ' ;OO' A' ??@A @' B +-> 'C- ,
;KQP' &' ' &%'C " (& ! ' ' ' O< B@' B +->' ' , +@'
@J C +@ 'C@ D,G' A+-',@ @
; $ ' $
;KO<' ' %& 0 !* ' 'S ' ;L<'&C A @'$B>A'E@ A.'
@'?' B +-> ' E +6@Z ,@ A'%-??@A @D'B '*->CA@G'
O J/' 8 7'C$ $, !) ' ' KSO' A' +B@' +@ DGZ C-,, A.'
3 GA@' ' ? S@D' + ' ? ' ' B +-> ' -C@' ;K=N' .)'
%' !(' A' !+ A,@G' % '8 KWK(' LP;' 0 C@' ,>!+-> 'B ,,
$ $ ((' $( ]$
SK)' = ' 5*& 0 0' -?@+ ?@' JJ, @D
+B@' ?@' ')) '+-' AD +@' ' B D@' - 'E,>@Z !'+B@'
&!) 1 ' &) ' B +->
' = $' 1 (' & ' / ' , $
' $K OD G$L' % :$
8SM-S' ' .)'C! ' " 'P ' L3' ' PPK' #' ,>?@ +B@C@'
' -A@'U AD' B B'+B@' C@@U' ' !@? +- Z AD' +B@A +>C@'
+B@C@-' ' +-' ,@ @' ,-A.' A+-' @C+ ,A@' , ?@A+' -C'+BC@ D'
, U@'B C@ ' ;MOL' ' ! . & (' +-A@' - '!@ C-A'
-,->CZ @ @'+#'E@' ,@ +' A+-'+B A' J, +@ a S QP' = ' A'
C !0' $' (4 ' LNM 'U AD' - 'C-++@A' @J+> '-C' , +@ '
4Q<<' &' !"' (4 4 4 ' ;O' 3 @->' ' E +> Z .C A +@
A@ Z E,-C+@ B +> Z AD +-A@Z AD' ,?@ +-A@' 4KL4
$ 7! $' + ' S ' 4 P U@' J, +@' - 'C@.>, C,G' -C?@D'
?-+B@C - J@ C,Z +B' +' >C @ 'A@ C,G'J C @,Z AD') AD'
+B@ @' >C @ ' >J-A' ' B-A@' -C' >J-A' ' J, +@' - ' . , ' +B'
+B@' J- D@C' - '!@A +>
A /' \' 1 0 $ 3V' K $, $
' ' 3 3' "'C :' ' 0 G' '
/ ' ' $ > $' "'
4P<M " ' . 1 '? % '? 1! ' ;' !-' ' +B@G'B D' B X@D'
C- ?' +B@' +C>@'%B>C BZ A- ' , U@ @' C- ?' +B@' +C>@' -C'
B J' +-' ' @
: O$' !!

! ,, X- ' 8 U- X Z U XJ (b' C @. 'C@JC@ @A+ A.' C'
5 ' +-' J, +Z -?E A A.' +B' -+B@C' -CD ' - '
C@@U' -C . A' A' C -> ' @A+ ' +@C? ' ! -B X- '
- S<' 8 U +J ('?& 0^ C' ' CA + Z '+@C?' JJ, @D'
+-' DCG' ? + ' B B' EC@) ' >J' A+-' + -' -C' ? -C@'
-A@ @@D@D' ?@C CJ' +B->+' D@B A. ' "@A @'
! E X- SJ -Z ! -B X-@ CJ-A '$ 0(TC@ @?E, A.'
-C'E@,-A. A.' +-' ' B X- CJ"= - (0' ;K<;('
! -B 'X-- !,-' 8 ,('N&&!0 ^ C' - 4- ' ' B-,,- aZ '
J@C @C ,' +G' -C?@D' EG' ' J, ++ A.' - ' 8B@'
?@ -E, +' "@A @' ! -B X- - -U -Z ! -B,X- - -0 ,-A '
$ B 0 ! -B X-D, A,-' $0' N&&!0 ^ C' 8E! C E C+B'
J A ' i' ;NaZ E@,-A. A.' +-' ' .C-AJ' - ' 3 -,,> Z A'
B B' ' +@?J-C CG' C>J+>C@' - ' +B@' E-DG ,,' + U@'
J, @' -C' +B@' @S+C> -A' - ' +B@' .@A + ,' JC-D> + '
' ! -, , X-D-A' N&&!0 ^? -D ' C' D! - C' +- -+BaZ
' .@A> ' - 'C-D@A+ Z D +A.> B@D'EG'B A.' ' ? -, C'
+B' A. ,@' A+@CA ,' AD'@S+@CA ,' -,D Z B B' ?@@+'
A' +B@' ? DD,@' - '+B@' +- -+B' *! -B X- . @ >@ ' ? &!0'
^? -D ' 8 " @ U@,Z ;KMM(' C' " $ ' C@JC-D> Y
+ -AaZ J C-A ' .@A@C + -A' ! B,X- C@A@ + -' $0'
X8 0 ^ \ ;Na' f' , & ' ,(B@A @' ! -B X- '
.@A@ + ,,*C C + ' ! B,X- . A,-' 8 D.@? U('$0'?& 0'
^ O ' O' i' ;NaZ -C?@D' EG' ,@ .@' JJ, @D' +-'
+@ ' -C?@D' EG' +B@' J, ++ A.' - ' +B@' -??-A'
,,- ' -A+ .>->' @,, ' ! B X- '@A-> 8 J'D A (
$0' ?& 0' ^ # 3' O'=' -> a' f' . & ' ,0 ! B,X- '
.A +6 A' 8 J .A aV X' ?(' - 0' ^ C' " P?3&' * '
i' ! 3 aZ ' -AD + -A' A' B B' +B@' E-AG' J , +@' '
,@ +' C- ?' +B@' J- +@C -C' B C@ ' +-' +B@' @AD' - ' +B@'
E@ U' "@A @' ! -, X- . +, - ' 'B A. ' ' ,@ +'
J , +@Z B X- . -AG' 4(*> 1' ' +' N&&!0 ^ D' ? -D '
, 0& &' $' 8 " @ U@,(' C' 3"&) $(C@JC-D> + -Aa'
, 0& ' 0' "@A @' ! @B,X- . - -' $0(J@C+ AY
A.' +-' B X- . -AG' J@ Z , 0& &' , " ,! (+B@'
@ -AD' #' +B@' + -' + .@' A' +B@' , @ B +-CG' - '
1'%- D A ' ! -B X- G @+@X' 8 ? - C+ X( )
? &!(' ^ @ = V!' '.C->J' - ' ? C- -J Z C-DY
, U@Z' +> @,,>, C' -C. ? ? Z ?+D+ J,G A.' EG' Y
-AZ C -> ,G'UA- A' '?$, $(, &1 (@+ '
$!"' A' A. Z B X-AG @+@ ' "@A @' ! -B X- '
?G@@ + @Z ?G- +-A ' ,) 0 ! -B X- JBG+@' 8 +('
? &!0' ^ *J 0aZ ' ? C- -J ' -C. A ?' ? >,+ J,GY
A.' EG' -AZ U A' +-' , 0& - ", 0 ! -B X- J-D'
8? JD('N&&!0(' '?@?E@C' - '+B@ '!@B X- J-D ' 10'* 0
^ C' C- "' - -+aZ ' >E -CD@C' - ' C> + @ A Z A ?@D'
C- ?' +B@' JJ C@A+' J, ++ A.' - ' +B@' +B-C ' , ?E '
JC-D> @D' EG' +B@' .C@ +' D@ @,-J ?@A+' - ' +B@' @S-J- '
D +@ ' B@A @' ! -E+@@J-D-AX- ' ! -B X- +B, A- ,' C'
' 0 ^ C' 3(' % ' A- @aZ B A.' @ B' A ,
E-A@' D@) ,G' D@ +' -C' -CU@D' ! - 3 X- +B@ ,' $(
- 0' ^ C' ' @aZ B A.' +B@' J-D@+B@ B'
D D@D' EG' >+@,, + -A' -C'C@+ >, + -A

;KQN' ' % ' ?& (e' O=Q' A' !> B' ' @' +B@' E55$T , 0&0
,$ *' '@?E G@D' +-'D@)A +@'+B@' B-,@' C> +' ;<NW .6 B '
+C' '<& 1 !> ' $'& (C!$' ' ;MN' ADC@ @ ' ' A'@S @J '
+ -AZ AD' +' J-C- -A ' C@' B X- CJ-> Z -C' A-', D'
JC-D> @D' ;KQQ' ' L. ' '$ 0' (' -0 Z ' B +'
-C?'- ' J@C @C ,' +G' B B' B @' +@C?@D' B X-'
C@,@' KK' B " ' ,'# ' $0' ' A+C-D'LN
B@' @,, UA- A'+@C?' B X- -@,@' G'B@'C@+ A@D' -C'+B@?'
^+B@' -@ - B ' +@ ' - ' ! 1 $ $80 ;<NN' [0$' '
$ (N&&!0 A ' OM 5-C?@C,G' +B@' G +@?' ' >JJ- @D' +-'
,,@D' +B@' B X- -@, 'G +@?' ' S) ' ' BL. 'A' ' " ,!(
? 0 'WL S A' +B@' ?@, EC A B + ' AD' #D-A+-JB-C Z
+B@C@' ' @ @CG'C@ -A' +-' E@, @ @' +B +' +B@'J@C @C , ' +G'
' -C?@D' EG' J, ++ A.' - ' +B@' ?@ -E, !+Z -C' +B +' +B@G' C@'
B,X- +@,-> ' ;KKL' 9 ' $ ' 6 ' A' ' " ,!(' ? 0
4 ' MKO S% @,-? +@' A ? , C@Z -CD A.' +-' +B 'A-?@A'
, +>C@Z @ +@C?@C ' ! E X-D A ' -C &-C-D J ' ;K=K 9
KR*,' $ 0 ($- - $!$' ' ' , 0& &' ' %) ,) (
B@' OC- A' ! B ! -D-A' ') "' (T , 0&0
55 @ Z -A' ' ' ? -D@'-'C@JC-D> + -A' .@A@C + -A'EG'
A! -A' KK)' 8 '\' '?$" 'C $' 0 0;L' #'
+B@' C +Z B X-.@A@+ Z +@.-CG'E@,-A.'+B@', C.@C' C J @'
A' +@?ZC--+ Z AD' ,@ @ '- '? AG'? C B' AD' +@C J, A+ '
1 0N<' B@'@C @C bC' C @d B X-.@A@+ AG' ;KKP' <)K
'C " &!0'?& ' '*'& (B@' C +'?-D@' 'D@ @,-J?@A+'-'
A+@C @,,> C' J @ 'B ' E@@A'+@C?@D' B X- .@6 ' ;KKL'
') - 'O< / @ ' KQN L'^3 C': '$ ' C@@A' -A ,>D@ a'+B +Z
,@ +' A' -?@' J@ @ '^- ' "GJ@C @ @aZ +B@C@' ' , - ' 0
@C @ '- ' %B X-.@A-> 'D> + ' ;KK=' I B 'V "' (- 0
? ' 8@D' O(;QN' d! B X-.A +B ?' ' +B@' U AD' - 'T ,@ +'
J , +@' B- A' EG' +B@' -,>?E A@' AD' . ,A @->' E CD Z
) ' 3 'V "' 0' - 0? 'A ' B@'J , +@' ' B X-'
.A +B-> ' ;K)' ' 3 ' A' A(" - !0' , & ,(0 3 C'
#;L'd ! B X-.-AG'B A.' -A @'E@@A' @ + E, B@DZ +'?> +B @'
E@@A' >C+B@C'E@A@ ,' +-'B@' J@ @ ' ;<N' ' ' ,!(' ?
4 4 4 ' K;M;' B@'d B X- .-A ' G ,@ - >C' '?' B>? A'
E,-D Z . A.'C @' +-' ? , C ,' @ @C)' +KK-' ' - 'C -
0' ' B@', A.' -C. A ?'+-' B B'+B@' D - +@' - ' +B@'
.@C?'+B@-CG' +C E>+@'+B@' > + -A'- '+B@' A @ + ->'D @ @Z
'C '@?EC @D'>AD@C'+B@' A ?@' , 0& - ", 0 ! 0 .
+C' $%$C ' , (" ,&!0 '++,@Zd! B X-'?G @+ '5@C?@A+ Y
+ -A' X-- ' $!!) ' , " 0' ' !>JJ, Zd! B X-'?G @+->'
SK+-' E' 0'V '&2 '8 '1 '(4 ' OO<> , 0&* " (
? C- -J -C. A C-'E@,-A. A.'+-'%-BA' '-CD@C' B X-J-C@ @Z
BD' ,, @D' +-' E +@C C@. CD@D' ' C @+G' -'E ,, '
+KKG' < ' ' .6 B '+C' '?$ > '?$, $' LQ 'B '
.C->J'B 'C@ @ @D' +B@'A ?@' - ' 5 -A?, A+' -C' ! B X-'
JEG+@ ' ' ' ' 0' ' ,@ +) 'd!@E X- J-D ' XKQQ'
' BL. ' '$ 0' ' (' - 0 'L=K B ' ? G'E@' +@C?@D' +B@'
! B X- J-D' + .@' ;K=N) C' '$ - 0 V ' 0=O0'& (B@'
! B X- J-D B @' E@@A' ->AD' +-' E@' ?-C@'A@ C,G' ,, @D' +-'

+B@' -CD@C' !+-? J-D ' SK)' = ' 5*& (50"' , 0&3
*&) "$** ' +- '+C E@'&! $, $0 +B@' @@+'- ' B B'
C@' D@@J,G'D D@D' A+-' ,@AD@C EC A B@ ' B X- J-D-> '
$ >>' ' BL. ' '$ 0' ' (' - 0 ' LMQ B@' !@E X- J-D-> '
C&2 * $!- $(O & 3 'V "' ' - 0? '8@D' O(
;MP' A' +B@' %-,>?E D 2 +B@' A ,' E-A@' C@' B,X-CB A ,b'
$ 0% (8 ' 0? ' A+C-D' <;' "@C@ A' B@' ^ CC-Da'
+C- @' +-' JC- @' +B +' 0 CD ' ->)B+' +-' E@' D D@D' A+-' + -'
!>E ,)] -A@Z ,,@D' " -,-CB A ,2 ' AD' +B@' -+B@CZ ,,@D'
! E X-CB A ,' $ & B 'V "' (- 0? '8@D' (;OP'
!> B' ' J-D-+E@ ' ' B-,-+B@ > B@' .@A@C ' -JJ- +@' '
B X-+B),
!*2::! F*K' , 1 0 , -' 3!NN [' * 0' @!NN '
2!NN!' 2!NN! ' ^ + J' @@' # 10+' ' U@+ B
;MKM' 7. 'C$ ' ' ' !!) 0 SJ, A' @C? ' ' Z B@'
! B XX- ' C@ -CD A C ,G' C@D> @D' A+-' % C+- -A ' A' 5C@ -'
& A+ A.Z -C'%-JG@D' AD' A, C.@D' A' #G, & A+ A.' 1 0
' ;;Q' "@' @,D-?') /@ .A@D' ' !+-CG' A'B ' C +' ! B XX- Z
+B +' E@'D D'A-+' D-' +' ->C -C' @' @ @C, ' G Z +-' B-- @' +'
, +' +B@' E@ + ' 4QL=' (' 5$ - (A' ' e'M 8;Q=N(OL='
B@'%C + ? +@C ' -S +B +' &,-+Z C- ?' +B@' @CG' C +' , 00'
- '+B@' / @ .AZ -A D@C@D' ^@+ (' 4QLM) ' % ' ' $!Q
1& &) ' , / @D'P ' B @' ? D' +' A-' ?-C@' +B A' ' EC @ '
. 00&' - ' +' A' ?G' &C@ @' ;Q<L' ' ' 7 '=* ! +'
' !@E XX-' -A'+B@' @A > ' - ' 3 A
' *2@:16! 2:2' 8 , CGU(' ^ Z' ' , !$%3 ' +-'
,@@J' i' &, . ' - +Z .- A a' ' DC@ A. .- A
)SK)' 76' A' % '8;K<;(' : O=K #A@' A + ' , ++,@' JC- @ -C'
A' ' D C+G' , .!$% &, .' +- -U' +B@' J J@' ->+' - 'B ' ? ->+B' AD'
U @D' ?@' -A'+B@' , J ' $ &' ' $' 0' $ ' S Z'
+>D@A+Z A' *) E- - + ' AD' ') "' , !$% &, . ' ,G A.' -A'
+B@' E@D' ? -U A.' ' , -A.'J J@Z
A! B, - ! ! ' 8 : ,) (' ^ @C a' ' 8 @C? A(' +,@'
Y % >' = ' ('ONO '% +,@'8 B B' +B@' / >+ B' ,,'
, .!& +0]' ;KKL' I B) Z $' $' 'M;' !B@'E D' 'E@ >+ >,'
, ++,@' , !& ' -A)' +B@' .C@@A' E@A @@' SKJM $' ' $ (
4 ' OKO' C. A ' C@@J@C'DC J@D' +B@' I> A+' .C@G' E,- @'
+B' C ? -A' ,- U
*2:!) 1$$ '8:A @'J- (' 5-C?@C,G' , -' A JJ@C'
^ A' ,+@C + -AZ +@C' +B@' @' I> ,@A+' ' , '$** (
- ' 11 '8 ' 1' 'a'" ' ,(Z' 'A ?@ B D'B '
E@@A' . @A' AD@J@AD@A+,G' A' C -A ' J C+' - ' +B@'
-C,D' +-' ? AG'D @C@A+ B@' B@' -C . A ,' -C?'
'C@+ A@D' A' -?@ A., B' E--U Z E>+' ' -E -,@+@'
A' > +C , ' AD' @ '[@ , AD a' ' ,> E,@' J C- D'
--D B' =C$) ') ' ,&!& +(E>AD A+' >J-A' +B@'
- + ' - ' ! ->+B' > +C , ' AD' @ '[@ , AD
L >' ' B 7 ' 0' ($! ' MK !A JJ@C ZEC@ ?Z
, + B@ D Z AD' C -> ' /+B@C'D@ C J+ -A ' - ' B@ Z C@' ,,'
+- -' ->AD' J,@A+ >,,G' E->+' ;KPN .B B ' C&,
C !! *' ' == 0@ D@' +B@' B' E- @' A>?@C +@D Z C@' +B@'
! BA JJ@CZ E, U B' AD'@@,' ;K<N '$ ' .) 8) ' &!0
7%& - =WN * ' + ;Q;' B@' C + B Z)+ @, @)VF>AD' BA JJ@C'
($ 1(AD' & - 1(
L ' !!' $ ' &) ' ' - ' =' KN 7@'B D'E@@A' > +- ?@D'
+-' B -C' !DBA JJ@C B' @ .B A.' C- ?' @ @A'+-' +@A+G'
@'J->AD ' 4KKL') '& ' ' && ' ' (($! '
L;' !DBA JJ@C B A.
' *2@) 1$$ ' 2@) 1$ ' 8*A @J (' 0V-0 ' A'
CD@A+' J C +' 0-=- 1 3 4 K' " -,, AD '
,KXK' ?!$, 2 ($ 0 , , ' =NL' A*-G'G->C' BA J Z . @'
-CC- ' +-' +B@' AD' ;KOL' ' ")$' ' S' SS Z ' -+' ,@'
, - ' @C? AG' B@C@ A' +B@' @C?' ?>DD,@' , -A.' +B@' C- DZ AD'
- ' J > @' E@ D@ Z +-' >DD,@Z 7 +B' ' BA J J $' ;K=K
' 7 ' ' . I ' ' (C)' , 3 $)! SM " @' @A+' +-' @GY
D@AZ B@C@'B@' ->AD' -A @A+ D@ ' AD' BA J ' SK8U' %'
8 '? - $, ' =KK ' @A@C aZ + ,U A.' - 'DC AU)'B D'
, D'D- A' +B@' JC A J,@' +' T$@D' A@' -C' B ,DC@A '%B ?Y
J .A@' -C'?@AZ , '$* ' -C' @A@C , '
* @) '8A) TE) L +(' =0 ' '$- ' ' 3'
1 !3 ' 8 @@'E@,- (i' "Q V' A'@SJ,- @'JC A J ,,G'
-?J- @D' - ' J@ ,,G' +C@ +@D' B,-C +@' - ' J-+ BZ
A @A+@D' EG' +B@' EC-+B@C ' ! BA@E@, A' , ' ;K<L
' 2 ' OO' W@J+' M M ' EEM' ! BA@E@, AZ 7B-
' ,,> +C + A.' EG' ' @C @' - ' @SJ@C ?@A+' +B@' D A+ .@'
- ' ! BA@E@, +@' .>AJ- D@C' ;K<=' - 0 < $00 OP' :>A@'N O
B->.B' +B@'E @' - ' +B@' ! BA@E@, +@' ' B,-C +@' - 'J-+ BZ
+B@' J- D@C' @@? ' +-'E@' ,@ 'D A.@C-> '+-'B AD,@'+B A AG'
-+B@C
*2< / !%! !1)' 8 A- D, 'C A(Z$0 '$ 0' ^ ' +B@'
A ?@' - '% ' , ' - ' 7 >C+@? E@C.' 8;M;N '
KN(Z B-' A @ + . +@D' +B ' +C> +>C@ a' , ' $"'
- - 1 $' (+B@' ?> -> ' ?@?EC A@' - '+B@' A- @
;KNL' 0' " - !(4 ' ;;P' B@' A , ?? + -A' - ' +B@' !@EA@ '
D@C)' ?@?EC A@Z AD' +B ' - ' +B@' ?> -> ' ?@?EC A@' - ' +B@'
EC-A B Z' @C@' ?> B' ?-C@' C@!>@A+,G' E @A' +B A' JC@ @A '
4K<N !!1) C' " (0 ' QPL' ! +> +@D' A' +B@' ! BA@Y
D@C A' ?> -> ' +@?EC A@ ' ', C.@' A> ?E@C ' E J-, C' @,,
' *2:!::)(I' 8:AJ C ('6 2 (^1 DD B' C'
- ' ' ' , ' %(.') ' 8 , A.(' +-' . -' E@.Y
. A. a' ' :@ B' E@. C
4K<O? 7 8 .' ! 0' < & = B@' ! BA-CC@C' @,+' A-'
, @' B ?@' A' B ' E@X)A.' KJ<' $!"' &' 0 ;N 3 C'
L = B@' C- D' - ' B , -+ C @D' ? ? .C A+ Z -A + A.' - '
+C@@+' B U@C ' AD' BA-CC@C Z B-' C@' +B@' J, .>@' - ' +B@'
:@ B' 0- CD' - ' > CD A
! B- 8 @ ' -E ' -C?' - ' !' !' 8'
! -B -- B@' @@' ' X Z I B '
' *%RMR1 :: ' 1 0 , -' 8@CC- A (' -,>@ Z
KNK) ' ^ D' ? -D ' , , '$') (' +@' C'
d 5& "$ 8& = E&'$5& " +(' $H& $ & +(' $5' 3&'
C> B' i' 60' , - @C a' ' @@+ @A+@D' .C ' - '
Z ' ' *& &' ' , '$') (-C? @C,G' > @D' A'
? @D A@' ?@,' B G
;QNO' 3 ' A'C ' $' 0 4 4 , ' ;OPQ B ' ' ,G'
UA- A' C- ?' +B@' +C>@' ! B@A A+E' A' B A.' B-,,- '# +Y
, U@' B> U ' ;Q; '+C' C& - > ') ' + - ' ! B-@A A+E'
;Q!L' $- 1 ' ", E' !>JJ, Z , '$' (-C' , '$' 0(
+B@' DC @@ + ,U' - ' 'J, +@' EC->.B+' +->' C-?' C E

* D4)7-(- 0 , - B@A@ $0 0 ,P&-) (
C $5& && (-??-A,G E@, @ @D +- E@ A @ -
S- - C> B2 C-J@2 E>+ J- E,G -C@ .A -CD
% 5 , -0H A A @A+ ?@ >C@ - D + A @
?@A+ -A@D EG C C +@C AD &, AG 8 B @ ,G A
> @ ?-A. +B@ &@C A (+B@ ,@A.+B C -> ,G
+ +@D + C-? LN +- MN + D 8 f L * +- Q ? ,@ (
4PP!) ,$ 8 CE (LNN , AD @S+@AD@D E@V
+ @A@ +B@ ->+B AD +B@ A-C+B , ? - + + - B>ADC@+B B-@A@
A ,-A. +>D@ ;MNL ' ..) !) $, > & 0 OQ= 3 @ >C@
A-+ @D-?@ EG +B@ &@C A ! B-@A@ ;MSP)
$ 0 ;LO BC@@ ! B @A@ E->@ +B@ !->+B A.,@ - +B@
/@,+) 8@ B ! B @A@ -A+ A A. B>@ ? ,@ + +B@ ,@ +2 AD
-?@+ ?@ @>@A AD B , (;MQ=) 8;M<M(;SO
A @.GJ+ +B@G C@ U-A EG ! B @A@ - C -> 3 .A +>D@2
-?@ +-2 -?@ =N2 -?@ ON 5>C,-A.

<4 73(*D 8 U A E @+U(2 $("$ V ^ D
C CS- -) C # 2 CS 3 -, D 8 2 , '&1$ +
C-J@ D A @C2 C-J@ i %%$) "+- ,U :
&@C+ A A. +- C-J@ ,U A. !-! ,9 0 A- E + +2
C-J@ ,U@C2 C-J@ D A @C
;KL< ?!$,.2 0 $ (4 O; +C--J - G->A. B-@A-
E + + ;KMO &' &' 0 OL >. S+- ! @A-E + ^S a
-C C-E + @ +
!-B- @@+2 -E -C? - 66
! B- @2 -E -C? - 66! 3 !
! B- AD2 C A+ -) 1 0
!-B- C2 6>.2 ! -C? - ! .

D674(0 8 UJ', C(5-C? --,@C@2 K--, @C@2
L Q -B-,@C2 = P --,@C@2 = M --,@C2 P --, C@2
U-,@C@2 -, @C2 = 5 &'' @ -,G@C(2 P M -, C2
P Q --,,@C2 M --,@ C2 @ C2 --,, C2 U-6@C2 U-
, C2M Q -B-,,@C2 C2 B--,@C2 Q -B--, C2 U--,
,@C2 U-" C2 8 B-, C(2 M <)! $ B-6 CD2 <
-B-, CD2 M -B-, C ^#5 ,&! ,&!
8 f #" ,)&!$ "3" ,)&! P "@ C,G ?-D
,)! A- ,. ! +(D , +@ , & 8
,.&!$ .D! +B >E ++>+ -A - +B@ A + @
@AD A. " , , B@ -CD C C@ A # 2 AD +B@
3 2 ,&E 4 ? G E@ B-,,G -C A J C+ #5
,&E ,&! 8?-D 5 ,$! +(% / > , &!
8 C-? 5C (2 3 /> , - , &!$ " , &! H
#A@ B- + >.B+ A B--,U A- *0 E-G
-C . C, ++@AD A. A @,@?@A+ CG B--, # +@A
I> , @D EG JC@BS@D -CD2) ' $"('%$ '
, &!$ (" . !
%4NPP ?" > &% &, A ' !$ LNK !@-
C@@D A. J A.D (V@@A@ -, @C@ 4LK< A (< ! 8;KQN(P;
C +@CA +@ E@.-AA@ - ,-A.@ -,@C S=--)
! 5$ ' M=; AG -,@C@ A J@ -,@ B U-?@ + B ?
? U S) ' . 3 0)* OXS B + E-U@ -,@C
@CA@ A B C BG,D@B@D@ $/J ' !$ ' L "@
A@>@C .>D ? +>C +B + A@>@C -,@C $/0%
$-0 0 A ;K2 ? A- EC@@ B A. B-, @C A +B@
B--,@ SMS- ' ..) $- 'T ? 0;0OMM - ! B--,@
? +@C AD +BC@@ -C@ AD +@A B--,@C 2 $ SMWK 1 ' ..
-0 . 0 !J@ , @K !-?@>A @ C @AD 2 J@C D@D
B ? ^? G 5 +B@Ca +- +@A ?@>J-A +B + ! B--, 3 +@C2
B@C@- , +@,G ! B-, @C SK - B ! "
;MO A + - -C +BC@@ ?-A+B +B@C@ @C@ + @A+G @ .B+ B-, C 2
A-+ +B + AD A. +B@ +C +A@ - +B@ D J>A@ 4K=L = ! H
B@ !>AD G ! B-, C ;KKK : B A &' -*0 0
L< A >C +@ AI> CG D ,- @D +B@ + +B + LK J@C
@A+2 - +B@ @J--C B-, C @C@ EC@ U +,@ @ @CG ?-CA A.
3 #A@ B- C@ @ A.2 -C B C@ @ @D2 B AY
+C> + -A -C +C A A. C-? J C+ >, C ? +@C
J>J , =&%&0 ? +@C(- $, (-C & ,$!(
,S--- $'&' &% $ S- A B-CJ@ $' " O=M ;=
JI@+ @A JC@- + A@ >AD@C - -)C@ -,@C@ , ;LNP ($ '0
&' 0 O=Q pV C > 8 KMO(QQ " -,@C V + B>CD@)
B ? .-D@ ?@A @C@ GA-> ;L) " '10 L< A@) ,@C. @
B@(VD ?@ > C @>@,@ -,@C OJ > 3 ' 8$-,, (
" ;<P & +)-C B DD@ :) ? A@C@ EG @>@A@ Y
@A @ A-A - E -,@C@ B>,D@ +- -C@ B@ @>@AB@ L@C@
S@ C@ ->A A-(V@C U ,@ - E ,-C@ [=Q4 L ,)" !
8!-??@C(2 LNM "G @ -,G@C +B +,@CA@D - BG? SP<-
$ 0 0 2 8!B U !- (PM 0 1->C ?- +
A -C+BG B-,, CD >@ +- G-> ??-C+ ,, +B AU SM-!
' 0 = !0 S ;NO BG 3 +@C D @ +BG ! B-, @C
+- D- +B> ,@ CA+ - +B@@ ;M== = . &*0 8 CE (MK
7 @ C@ E@ -?@ 2 +B@ E U CD@ + ! B-,,@C 2 - B-? <&
- @C'D +- B >@ ? D@> +B@ +@ B@C O%00 . C.$!0
PQ 7 B ,@ G->A.2 B@ ! B-, C+- B ,@ 4Q=P : ' R
) & ! S 2 AD +@ B ?G ,- @,G B-, C ,,
UA- O %0 &- ' &%) ;PL 3 @C, A'
? +@C 8 - +B@G ,, B ?(0,@G 2 7 B- + >.B+ B ? ? .
E>+ +B@ B-, C C A 0@ -C@ +B@ ? +@C2 S)
$ $% - $' 8;K<Q(MQ + ,--U , U@ 8$>, A. EE-A
-C J@CB J -A@ - B BD, C
. $' % #A@ B- UA- ,@D.@ A-+B@C
B ? +@C -C +@ B@C D J,@
4PQQ S B B..) &'' *0 <$!0 ;N B + +B@G @C@
+B@ ? A +@C - %BC + AD +B@ J- +,@ B-,@C SW)
' ,,!0 C&!0 e L - JC- @ @ +B@? @,>@ +B@C@ A
B-,,@C AD -,,- @C - +B@ >A ,@A+ SM-M 0
%% , PN - @C AD B ! B-, @C %B > @C2 SG - # R
! - MK 5= B@ $-? A -A @ @D +B@? @, @ +B@
B-, C - +B@ C@@U O>0O B 0 -10 $ 0
-1!" 7 U LQ 1->C ? +@C 2 B- C@ B 8$-> Y
@ >' a B-, C $ &K # ' (8 C$ 0 -0 6
;OQ B@G +B AU + A@ +B A. +- JC- @ +B@? @, @ +B@
D@ ,' B-, C
D 7 +B I> , G A. D* #A@ B- I> U 8-C
+B@ C@ @C @(+ ,@ CA A.)
C M-P ? ") 55 ? &% ! ' A " OLO C ', 0 / - +
+B AU +BG DG - +BG -J A -A < ' (!B@' E D
! B-, C @, @W B @ EC->.B+ B@C >J2 AD B@ D C@ - @
?@ + 6 O>$O -) & 8 ,-E@(OS= "@ +B@

J+@ + ! B-, C +B + @ @C U A (8;QMM(
,, [QQ2; ? -A -> - -A,G -A@ 8.--D I> , +Ga2 +B + 2
E@ A. A J+ B-, C
/ #A@ B- +>D @ A +B@) B--, + >A @CY
+G ?@?E@C - >A @C +G2 @ J *>A -C -C
>AD@C.C D> +@ ?@?E@C - -A,G (AD A
- BD ,> @
4LNO $ B $' 0 "'' Q<<< J@ ->CJ@ -A@
-,@C2 - ,@?@ ?-C@ B@DGD@ BG J- @C2 , U ' 1 .
C & $ (f -,@C@ + J C@ B D D-A@ ? AG >,, GA
AG %4LKM F B !! G 0 = 7 +B BG? +B@C
D @,,GA.@ J->C@ -,@C2 " DD@ ,@?@D C+2 E>+ , B
A+ G@ 7 +>CA@D -C +- ,@?@ +C-,-.G@ ;=QO L &!!
&%C$! 0 LL O 1->C E>?E,@ #C +->C AD !>E. @++@ 2 +B@
%B >A @,@C AD ! -,@C - +B@ 6A @C +@ A G->C ->A@ -
#S-A -CD SWQ , 4= 00) e P ,, ! -,,@C - +B@
6A @C +G@ - #S -CD -C % ?EC D.@ G .-@ E->+@ E@.
. A.@2 A-+ E@ A.@ > +E-CG @D >AD@C +B@ !@ ,@ - +B@ D
6A @C +@ ;PQ< .)*) 8 CE (;L< !> B -AY
> -A - D@.C@@ 2 +B + +B@ B-, @C UA- @+B A-+ B D>+ @
+- +B@ 0 B@,-C2 A-C +B@ 0 B@,-C +- +B@ 3 +@C ;P<M
. 1. +C ! > (,& 0 O=Q B@ O>C.@ @
AD U-,,@C ^ + E@CD@@Aa 4M4L 4= 1 0 ,,0 A *$N 3
' !)1 , !!0 <= @ +- A@ ">A. C A -, @C -C
B >JJ-C+@ L, E SM) 7 8 $ 0;; =L B@ ! B-,,@C
B@C@ A +B@ A .B+ -?? + ? AG ?>C+B@C SMKS &' 0 <$0(
- ;MPM O + +B@ @CG A+C A @ B@C@- 2 +B@ ! B-, C @C@
J, @D 5 C +2 +B@ 6 AD@C C D> +@ 2 +B@A +B@ 0 + B@,-C -
C+ 2 SKMK &,$! , L; LO 0 !<&C@ ?E,@2 B@ %B AY
@,,-C2 3 +@C 2 AD ! B-, C - +B@ 6A @C +G - #S -CD
E A +B@ , X E@+B A J@C -D2 - +@A JJ, @D +-
-A@ B- B D +>D @D + +B@ >A @C +G2 AD B-2
A-+ B A. @A+@C@D AG - +B@ ,@ CA@D JC- @ -A
-C -E+ A@D AG S@D @?J,-G?@A+2 ->.B+ +- . A
, A. EG, +@C CG -CU 1 (
S C ! 0 C$ '$) + Q= 8 3 C G(@+ B-,,@C E@
+BC + @ +B@G ? G@2 B@G ,, E@ J-#C@ @C@ +B?C@ , +
DG A.@ D G@2
#A@ B- B I> C@D ,@ CA A. A +B@) ! B--,)
,@ CA@D -C @C>D +@ J@C -A @ J -A@ B- ,@ CA@D
A +B@ , , 8 @ C@@U AD) + A(, A.> .@
AD +B@ C , +@C +>C@
V 0 0 ! $(C 0 0 ;PP= ! -,@C@ U@,+@A J@C ++@ J@
UG, -C+- GAD@2 0 -+) C A@>@C -A - G @ ->J@ -A
-CD@ C@D@ SW) . - $ <& E 8;P=<(KN A +B@
B E +@ - B--,@C - JB ,- -JB @ 4!<<), &
OM=2 ->,D &) -?@ B-, @C ->,D -A >C@ B@C
L% > C ! T* 8);MON(S "@ .-@ D C@ +,G +- +B@
3 G-C2 +@, B ? B@ ! B-, @C AD @A+,@? A
SM S 1 = B 73 $ - 1 SK E@%-??@D @A+,@Y
? A AD ! B-,@C ;QQ< K; # (C((. ' 7 U
;QK) ONN @CG -A J >-> J@ ?@A - + A +G2
B B @A+ +,@D B ? +- +B@ ?@ B@ .B+ - J, @ ?-A. +B@
B-, C B@ J- @ @D E@ -C@ ?-) +B@ + S! -
! $ (% & * $!(3 ++B@ 5 @,D E@,-A.@D +- +B +
, - ?-D@ +D A@ B- @ + +- ? S A @.> , JC-J-CY
+ -A +B@ .@A+,@? A2 +B@ B-, C2 AD +B@ %BC + A 4KPM
' 0 $ (! &' 7 U 80-BA(NQ B>
+B@ ,@) -C +B-> AD G@ C B @ E@@A +B@ B-, C -
+B@ A + -A2 S) $ 0 A ',",!0 ? 0 4 4
LMO O :- @JB :> +> ! , .@C 8;P=N ;MN<(2 +B@ .C@ +@ +
B-, C - ?-D@ ? + ?@
E +B I> , G A. -CD AD + A. +B@ D@.C@@
- -A@ ++ A?@A+
, 40<N ($', ;P= A (' 0 0 PK O@CA CD2 J +
.>-D B-,@C2 -C?@ + +- B ? ? 4!<K
"% 0 0 K , @ E@++@C B-, @C +B@A +B->.B+
B@ ;MO< ' (<$!!$ ' ! & $ 0
= & - 8!B U !- (;OP " %B ,DB--D A@S+ $@Y
I> C@D +B@? +- J>+ B ? >A+- B--,@2 7 B@C@ A JC- @ @ -
+ ?@ B@ .C@ +- E@@ JC@++G B-, @C ;K=< #Y K .
< 0 5 - *0 ;; / SS A .A-C A+ ? A +B ? G E@
+C-A. +B@ +B - +B@ .C@ +@ + ! B-, @C ;QSQ)
3 7 3# 6 0 & C&* ;O 5@E 2 J -C .C@ +
B-, C +B B ?2 EG C@, + A. +- B ? ?A@ - +B@ &@C A
+ ,@ ;QS< -) & 8 ,-E@(OO= " - A OD@ ?@ 2
?> B E@++@C ! B-, C A +B@) C J+>C@ 9A- ,@D.@2 +B A
B->,D @ @C B @ E@@A EG ?G - A JC +@ ?@@+ $@ D A.
SK - ! $ > & $! ' 05 B ? @C@ ? AG
.--D AD ->AD B-, C EC@D
A ,, +@C +@ > @2 -A@ B-?+B@ J@ U@C C@. CD
@S @J+ -A ,,G ,@ CA@D # +@A ?@C@,G2 -A@ B-
E,@ +- C@ D AD C +@ 5C@I A >,. C -C D ,2
-C? , &!$ " , &!!$ (@+
U C B . %) -(= ," 7 U 8 C- C+(B@
C - ->C & C B2 E@ A. - .--D %B>C B? A2 AD -
.C@ + ! B-,, CD2 AD A J@ U@ + A@ +--
) \ (8 . 0 $ 3$E ;;2 2 G2
+B2 C2 ? A-+ - .--D B-,, CD +- G ?>@A
U A)$,.> ,$ (A $!0 ,0 8;KN<(LL B@ D? CY
A. J + @A+ B ,, @C+ A,G CG G-> >J 8-C .C@ + B-,, CD2
JC- D@D , G G->C A-A @A @ E@ ,>@A+ 3 = "
1) !!$!@C ; ONQ "@ 8S , D - +B C+@@Aa .C@ +
B-, C 2 +--2 +- > @ +B@ ->A+CG JBC @ U
" & !; 1-> UA- 3 CU B-,, CD2 C2 + U@
?G J--C2 J--C +@C `H * ' $!! "OQ= 7 B@A +B@
J J@C E->.B+ EG ' -CU J@-J,@2 +B@G B D +- @@U
>J :-BA :- @++2 -C -?@ -+B@C B-, C +- C@ D + ,->D +-
+B@?
! +>D@A+ B- C@ @ @ @?-,>?@A+ 2 D>C A.
S@D J@C -D2 C-? +B@ >AD - B--,2 -,, @ 2 -C
>A @C +G2 +- CD D@ C G A. +B@ - + - B @D> Y
+ -A N; +>D @ 2 AD C@ CD - ?@C +
+ +B@ -,,@.@ - #S -CD AD% ?EC D.@ AD A +B@ 6A @CY
+G - / >CB ? > B +>D@A ? @ C D + A + @ D@?
DC@ 2 AD B @ J@ , @ + A B ,, AD B J@
X +S O , ' 0 !(,0 OO P AGJ) >, C J@C -A@
E@ A. @,,- @ -C -,@C - AG - +B@ D %-,,@.@ -C " ,,@
;PK= & - 7 !&" $ - 1 $=NN B@ 7 CD@A AD ! B-, C
- A@ %-,,@.@ A 8VS@A -CD $%+J) (C) " 8JC@
A-+@(2 C@?@?E@C C A , +@D +B ! +GC2 B@A
9 A. ! B-, C + 7 @ +? A +@C ! B--,2 -C >C D G
.B+ S@C @ ;KL; 5%0 E ' 0 $! ;< 5@E L L B@
@,@ + -A -C ?@C A ! B-, C2 A +B@ C--? - 3 C ,@ 2

,, + U@ J, @-A B>C D G 1 0 ;; :>A@ L O #A 3 -AD G
, +2 3 C !JC A.@C2 -??-A@C - S@+@C %-,,2 @,@ +@D
! B-, C - +B + ! -) G ;KPL %) " $' <
2 B-, C' .- A -CD A.,G JC-D> @D SK Q ,
#8 = O; 0 K= ! B@D e Q4 B@ ->AD + -A B-, C +
+B@ ,- @C B--, ^/>, Ba B ,, E@ JJ- A+@D EG +B@
.- @CA-C
M $ 10 && d- 0(#P , &!$ d $% "^*$ (* $ H
JJ- + @2 , &!$ * ' (^ $ ' : % , &!$ 3
* , ' D*
SK - &'$ 0S AD A @ G-> , U@ B-, C C +
- @,,2 3 CG @A@,2 G-> B ,, @@ B@+B@C D CD -C
B @ ? - + - + 4QSS 6 $ $,0 LLL B@
>,, D A+ .@ - *> + AD , E@C , D> + -A2 EG >A + A.
+B@) ! B-, C J C+ +B +B + - +B@ C@ , @A+,@? A AD 3 A
- OC@@D A. S JJ&-$ $ ' " & '0 1 ' 0 8&@C G !- (
OQ B + -? A 6 E-CA@2 -??-A2) B-, @C JBC @ ;<NO
3 $ # A $ '1(& 0 0 S > M;< B@ S+@@A+B
@A+>CG +B@ .@ - J>E, + -A 7 B + B D E@@A C@Y
- @C@D .@ @A +- +B@ -C,D EG +B@ .C@ + 9-, C
JC A+@C ;P<P C&! - $' $ A 0 CGD) ? 0 ? 1!0 OQP
B-,, C C@ J@ + A. B-A-C 5Z)1! ' 0 , 0 L=N
B@ @C@A@ B-, C ?A+2 +B@ 0@A@D ++B@2 :@ A 3 E ,,-A
E , &!$ > - $ M @ = 1(G , -
H , &!$% , ,.0
;MLM +C ? &, - &> 3C!$" ;Q B@ ! B-,,@C 3 +@
UMKK ' . - &) "A OM= ; ! B-, + %B@ U
"@A @ ! , - , 0 ='&', 32 (A J JJ,@ AD
.@C>AD(2 ' (+- + +B@ B-, C -C ,@ CA@C $-0
+- @D> +@ B-, C
O>0J = 4 . 3 (8;K=L(=NO2 B @ E@@A
B-, C A. ,, D G2 AD ? +@C A. +-- -C ->C ,@ -A C@
?>+> , ;KLM = !) LN< 8+C 8BC@ @+(B>
-C + ?@ D D @C+ @C+ D @,, ! @ A +B B-,G + D@,,@
! E-, C@D ,U@ AG @,, EC@D EE@2 AD ,- @D EG ? AG
,- +@C@D "@ED
! B#, C B 8 U)D CU((^ D C2
1*53 * 8?-D4 , &!$, $(V , &!$,.+(%(
. i -JS C>,@C a B@ B@ D -C C>,@ -
B--, * ,0 B@ B@ D A)@A A B--,
- JB ,- -JBG2 E A @C+ A J C+ - @A** AG2
! +X@C, AD2 AD 5C A @2 A - ,2 -C -A@ -
E-DG - - , 2 -C?@C,G B C.@D +B +B@ AY
J@ + -A - +B@ B--, +B A +G -C D +C +
O %J 8) 7 * <($!5) ;=P ,, A-+ D@AG2 B@
+@,, +B@ ! B-, C E! - >CAE@C.2 3 + ^@+ a $ B5
< & ! 8;KQO(> PO B@ ! B-, C E 2 > @ -C
- B@-JBC +> + +B@A X = $ $)1&'
OMN >C@A @2 +B@ C -, C B2 % >E-A' > @ -C W , Y
, JC- @ -C SK) 0 A)$!" 4 4 OOQ B@ C +
! B-, C B ,@C +B@ ,, - %-A + A+ A-J,@ 3 ++B@ +B@
% ? C -+ XKKK '$G,!(? (4 4 QSK O 4@A- C +@ 2
B-, C B -C C@ +-C - +B@ D@?G C-? LL< +- L;=
"@A @ ! B-, C-B +@ ^) V , &!$, $](+B@
- @ - B-, C B +B@ E-DG - D -, C B
;QM +C ?) , ' " (< & 0 PS= B@ .C@ +@ + J C+
- +B@ ,@C.G A +B@ +- A C@ C@ @CC@D +- +B@ B-, C#E +@
AD +B@ @ ,@ + # @2 AD +B- @ B- - +@ + +B@
J + , +- +B@ >JJ@C D? A +C +-C +B@C@-%
$ (0 7 G B@ C@ ,? -
B-, C DC B-, C B J B-, C -,,@ + @,G
SKK $ $ 0 ,[0 ==N 6 AD@C +B@ A@ @ C@+ CG ^-
+B@ &B ,-,-. , !-- @+Ga B-, CD-? W C>,@D +- DY
? C E,@ @ @ + 4<NQ % =)). < & (V '&2 !0 -
,& 0 - (XK '& (?- + D ? . A. E,>AD@C A
B-, CD-?
! B- C,,##) $ (7 ' ! 8 A T*47*= /
B@ E-DG - B-, C 2 +B@ ,@ CA@D -C,D2 E
B@ -AD + -A - E@ A. B-, C -C ,@ CA@C
;KLQ $ $ (2 QOM B@ B-,@ E-, C --D - A.Y
, AD -A @A+@D +- U +B@ +-@ - 7 ,, A -CD XK+-
: $- 0 & $ S LNM "@ W @A+ C@,G ? -C A+ - +B@ C
?@ A A. -C + ,@ + + - G@ C - B B-, CB--D
i ! E-, k 1($- > 0 ^ , &! 3
D Q U 70 ? (! 9 =D674(0
O%&> . 0 Z 3 G2 7 U ;QQO J S,+2 ? -A D@A+
+B + +B- @ @,@ +@D J C+ ,, A-+ JC- @ B , - - + @
AD J@D A+ ,2 +B@ .C@ + B-, C A - ->C -,,@.@
K , - , C ? 7W $ (0? (i =
B@ ,@ CA A. - +B@ B--, ' B-, C B J ! -?@Y
+ ?@ A @D D J C . A. 7
4P MK < C - - @A+ $DC B 2 6 +B@C@
B@ AG@ A A., AD +B + @+ +B@ @AD - -6 C ?@ A A
A., B E, A U @C @2 , > = . 8 $') %B-C>
8;MN=(O ! - --A@ B@@ JC-A+@ A / >,A + @2 B@ C> + >6
,-+ - ! B-,@C ?@ .C '+ B + !B-C+,G B@ .C '+ +B
D- +-C A ?@ SMSX # " ' 3 & & ' M= 8 3 @a B +B J>CY
J- @ +- @C@ + A@ %-,,@D.@ A +B@ A >@C + @2 B@C@ B@
,, C @ +B@ +>DG - .--D ,@++@C 2 B B C@ ,A@2 ++E
+B@ @ ?@A B @ -G,@ +B@?2 BG C@D> A. +B@? A+-
? @C E,@ U AD@ - ! E-,,@C ?@) ;KQK - 0 < 0
&2 ' OOP B@C@ A ?JC@ -A +B + +B A@ A.,@D
B-, C ? @CG D ? ++@C AD@@D
+ ! ,,# , ' +G ($ (^ D ?@D , &3
!$ $3 -(#5 ,= +&!$ E(, &! 3 4 5`M
@@ a B@ + +> - B-, C
O 00 # "' $> 0 7 U 2 ;M;M O!4
%-A+@A+2 ',@ J G G->C B-, C + @ 7 B- - @C S)
) .. ' 0) &* (A PNP B@ @C+ Y
+@ - B-, C +G" +- E@ C@ > @D +B@ JJ, A+'
+ A +G JC- @D >A@I> , +- +B@ +C A
! B#, C @2 0 $ 3V ^ . i " V
' 0 - +>DG + >A @C +G
;K<= :2 " 9 . 0 ' 0 '0 (LP< B-?
- .A@2 U,G G->+B +B@A B-, C+X A. + #C @,
! B- , C,@ 2 80 $ 3H 7 +B-A+
B-, C -C J>J ,
$ > B C $ L;N ?@C E@ A. , ,@
, U@ AD B-, C,@

9 /$0 $ 0 ^ 9 a '$ $ B0

i &@C+ A A. +- B-, C -C T +B@ B--, '

B-, + 1 (

*PQQ +C ?) !! ' > ,0 2) P 7 @ D- A-+ ? @ A@
B ,D, U@ AD E-,@C, U@ @S ? A + -A ^-C . 5$ - ' 0*)
E , &!$,) - H0 $/ + ' . .) $ 0 0 &
&!$) g"' , &H 5HH. 0 $/ = ($' 2 / L2
B@G +@D B ?J@C -C?@ ,, +A@ ! B-,,@C, U@ @C@?-A @ AD
D J>+ + >@C .B+ JJ@C+ A A. +B@C@+-

/ $@ @?E, A. -C E@ ++ A. B-, C -C ,@ CA@D
? A B-, C,G

;PK< $ * !0 B' & - 0 E 2 7 B + AA-+ ? --+B
+-A.>@2 AD B-,,@C, U@ + EC A. +- J @ ;MQ<
%0 * A & 'D(< $'$ $;; ;Q C>@ + ! B-, C
, U@ U AD - ? A ;QL= ' ' , " 0
C ! & ' 9 ; B ,, , G UA- ,@D.@ +B@ B-,, C, U@
? AA@C A B B +B@G B @ E-+B C-+@ OKPK = . 0
OK 3 G2 & 0 8[KK<(OOQ ! + C, A. 2 ? ,D2 ? E,@2 E ,D
B@ D@D2 B-, C, U@ SKM = L = B . . * 8;KKN(S
;<P " @ @+ +- -CU A ? -C@ B-, C, U@ J C +

0 $ 0 U@ B-, C -C ,@ CA@D ? A A
? AA@C E@ ++ A. B-, C 1 (

;PP; 9 . & . E2 >@CG ? A +2 A .@>@
, . B+,G C@ -A - D >@C +B A.@ 2 0P G@+ A-+ E@ E,@ +- @+
+B@ ?@ A -CD@C ! E-,@C, U@2@ +B@C +- JC->@2 -C +- -A >+@
;PK< $ * E * & - 0 E 2 7 B@C@ A B@ B +B E@E >@D+
B ? @ @ @CG@ E-,@C, U@ $%A> 1 $ 0 A
$> B 0 &!!(8;MP)(==; JC G G->+@,, B 3 *@ +G
+B + ?D@ ,+ +B A@ +B@C 3 A,G A-C ! B-, C 6U@
! - + ! - B - , C ,,U@,G $ 0

! " + , " ' ' - $DC 0E2
B> @CG C>D@,G2 -E+C>D@ A+- +B@@ A-+ E A I >@+2 E>+
EG+ C +B@C - @ B D B ! B- @C , U@,G2 +B + 2 ,) ,G
@ CA@D 5-C ! E-,,@C , C@ +@D % C>@C

) ?9 .$ K$

i !! _ 2 " 2 $

SM S %- $ 2 , &!$ " E-,,@C B J) B-,,@C, A@ @ SKMK
3) 7 $ - & 8;KQQ( ) ;)O B + A S+>C@ - B-
, C, A@ AD B .B J C + +B + AB@C@A+ A +B@ -C ? A
AD A.@ A JC A @ ;<NM 11 " - # + P= B@
C +@C) C.>?@A+ + @ -C @ AD ,@ B-, C, A@

2 8 UJ , C, (/$(^ !#"# 0 H :

-+ A :-BA -A -C -DD

&@C+ A A. +-2 -C B C +@C X A. 2 B-, C E@ +Y
+ A.2 -C A +>C ,+-2 B-, C ,@ CA@D2 @C>D +@

;MLK - $!! & % $ " J O@D 2 B@G C@
-?J + - C C @+ @ 2 +- @A E,@ A.@A -> AD B-,+@C,G D Y
->C @ S! V ' !2 0 S 2 AD ,@ CA@D 3 +@C 3>?
E, X@A2 +--2 A G B-, C,G +B A. - +B@ C A @C -C +G
;KML < . & - &!$ 2 B@ B-, C,G J -@+' +@?J@C
^. -+a ?-C@ AD ?-C@ @A-?-> ;<NK $) 7 !0
C& - 0 (5& ' 8;<N<(J S S2 + ,6 E @,D@C,G .>C@2
+ , +B@A@ ,- + A , .B+2 B-, C,G +--J

2 $ ($ (^ ! "# 0

i CZ) a E@ + B-, C

$/ I " 0 + # 7 B + ,@ ? G 0>,,G
$--, @ J@ U@) B-,,@C,G2 AD @, SKMK & ' - %((
4 OKQ B@ C@ -A C@ >,,G AD B-, C,G D-A@ U
: 1. 7 P $ &' PN 7 @ B ,, B CA@ B-C @ 8/@ +B' - A
J ,@ B-C @ (AD B-, C,G J,-) B +B@ AD

) S@ .$? *

, 0 ^ ! " & a

B@ ++ A?@A+ - B-, C ,@ CA A. 2 @C>D Y
+ -A @ J JC- @A G A +B@ C@@U AD + A
, A.> .@ AD +B@ C , +@C +>C@ , -2 +B@ -,,@ + @
++ A?@A+ - B-, C +B@ JB@C@ - J-, +@
,@ CA A.

;PK< (C %(< ' > '$*.& ' 8 CE (;M ;Q
+ B@,- a B +B ?-C@ +B A -A @ -C + @ ? A @ +- B
D@@J@ ++@D B-,,@C B J A J, @ - C@D + $%J& <
$') 1 0 hR " @ B +B A.>, C J @ @ - ! B-,,@C B J EG
B ? @ @ +- *> + G B SJ- + -A) 4QK= 8 1 &, 0 O)
1 @ -A @ @C@ *> +,G ?'D -C EC A A. -C+B 6 AD->E+@D
B-, C B J AD .@A> A@ -C+B X! .) 0 0
! @C 8 [NP;(L;L ! B-, C B J B B +B@C+- E@@A +@C ?
C@ @C @D -C +B@ D@J+ A A @A+ , +@C +>C@ 4KKQ / ,
C $;K " ?@?-CG 8+B@ A@ @ CG A +C>?@A+ -
.C@ + B-, C B J(@CC-C,@ AD @ -C+,@

!$ ' / !2 / $/ I

$

M - 8.) %($ ' W B@A -C ?G B-,,@C B J
.@A+,@? A2 0 -+B C@ D@ AD C +@2 AD + ->A+ A
S) - 8. <) $ $' 2 " + +B-> B-, C B J @A->.B
+- ? U@ OC@ @C ,@CU+ ;QPK # ! - OM J M
3 G C@J>+ + -A -C B-, C B J2 -A D@C@D C ?@
SK+@ 9 $31&$ LN2 D D A-+ +@,, G-> B + +B@
, DG D +- ?@ -A ?G +@,, A. B@C A- B-, C @ @C
? AD +B +2 D B@ 1 ->C A- B-, C B J A- B ADC A @
G-> C@ -A,G +B >,

i N +@C CG @D> + -A " 8: : 1 ($ 0

(? :) ,(< B J, @ B->,D E@ + -A @ E-+B
! B--, AD 6A @C +G2 A-+ A@@D A. C@?- @ +- AG -+B@C
E-> @ - ! B-,,@C B J2 @S @J+ + E@ -?@ J@ >, C %-,,@D.@
-) -C &BG U

;$ G)

]. / / 3 2$

! OQ ' 0 9 2 =O e S B@ 5 ,- B JJ@
! -,@C B JJ@ / ? B JJ@ +B A +B@ $ 6A @C + @
4PKL ' < . A0 E00 , $ (8;KM<(;N AD , -
+B@ -+B@C A >@C + @ B ,, +B@A +@++@C >?X@ +- C@,@ @
J--C@ B-,,@C 2 B@C@ A- +B@ G->+B - A-E , +G AD .@A+,@Y
?@A2 + U A. J +B@ C B-,, C B J* @ AD @,,- B JJ@ 2 D-
D J- A +@ +B@ J--C@ - +B@ C , A.@ AD >A @?@A+@
4Q=M 9 C & (,& ' ' OL ! B-, C B J E>+
B , ? A+ A AD %-,,@.@ $>,@ C@ B@ G %,>>A SK -
$ < . 1 , &!$ 0 L %C @A ! B-, C) J 1 0
P / @ A C@, AD ! B-, C B J $ /> ' B7 & - ? &2 '
2 UA- D --A@C A + - ! B--, B-> @ ? + B@
C>AA A. +B A .@+ +B@ 0 ,, - , B-, C B J AG D G ;) =
: 5 3 - $' 1.0 2 & QK 7 B + C@ ,,@D ,@Y
?@A+ CG ! B--, ! B-, C B J (M(: ! O %
C &' 55 0 <L< " @ @A+2 -A B-, C B J2 +- :@ >
%-,,@.@2 % ?+@ D.@

9 $ 1 0 ^ ?@D , &!$ D
#5 ,&!$,&!$ % 8?-D 5 C,&! +(,+@C@D
-C? - ,&!$, &!$, - @@ A@S+ a B@
B-,D@C - JC@E@AD A +B@DC ,2 +- B B @C+ A
+@ B A. D>+ @ @C@ ++ B@D

A I >-+ ;Q<L JJ > @D ,-- @,G -C B-, + D A@
;Q) 0 $ $ O<K B@ -,D C A , +-C B @
C@AD@C 3 + ,&! W EG @CG >A> > , +@C ?2 X +B@ ! B-
, +@C A) ? O>0J .) 0 0 ML B@ A@SY
J>.A E,@ .A-C A @ AD >J@C ++ -A - +B@ A @A+ B@ +B@A 2
AD - +B@ J-J B B-, +@C AD A-A +

8 U-, ? + U(2 $0 AD 10 ^ D

, .& $,) " #C d 5&H$$ V& +>D -> 2 ,@ CA@D2
>E + ,@ CA@D ? A2 B-, C2 CS-4D q +- D@Y
-+@ -A@) ,@ >C@ 8+- ,@ CA A.(2 -C . +- E@ +
,@ >C@2 $ +CS-4 : ,@ >C@ @@

% 5 ,&!$) &C ,&!$,(!J ,&! , ,&!$
, & (, &!$, D* 2 , . &!$.

$ B0

i # J@C -A " A. +B@ B C +@C + -
+B@ B-, C -C +>D@A+2 D + A.> B@D C-? +B@
? A - C (

;M=; = . %& - (+ QO B@A B ,, +B@ -E,@ J- @ @
,, +B@ / .A + @ AD # @ - +@?J-C , B-A->C +- +B@?Y
@, @ 2 -,@ -CD +B->+ +B@ ?JC-J@C ? S+>C@ - ! B-,
+ U2 AD J> ,, A ?-> >J + C+ 2 +B@ & C, ?@A+ B ,, - D
B@C 6 JJ@C " -> @ - +B@ ?@ AA-G A @ ^@+ a

/ # -C J@C+ A A. +- +B@ +@ B A. -C ?@+B-D
- +B@ ! B--,?@A

A/0% . 1. +C ! > 0 ,& 0 ;L B ? A
^/>A ! -+> a ?@C>@,,-> "@ ?J, @+ AD B@,J@+ +B@ B-
, + U B@-,-. @ $%&& = .) ,0 O 2: D@@? + +- E@ A
-,D @CC->C - >A @C + @ A-+ G@+ @,, C@ - @C D C-? +B@
! B-, + U .C- A@ @ - E CE C-> .@ 2 +B + +B@G JC@ @A+
+B@ C A- @ + C + -?? A. +B +B@ ? - + A+@,,@ + @
E +C + -A - - . U AD ?@+ JBG U ;QSL ! .
, * (&, 0 L=< B@ ! B-, + U 7 C +@C A , +@C .@ 2
B @ .@A@C ,,G J>+ +B ? ++@C >J-A A-+B@C 5--+ $>/0
< .) C ($ C&!($ '(SS 7 U 8 ,-E@(==L)O
B@ E >CD + @ -) B-, + JB ,- -JBG 1 0 === S B
,- A@ - -A @CC A. D@.C@@ C@?A A+ - B-, +
E CE C +G $>>+ B C 0 ,&' 0 7 U L=N2 C@Y
?@?E@C A -,D B-, + U JB-C ?2 B B G 2 +B +
+B@ ? A B- , @ B-,,G D@+ B@D C-? -+B@C 2 ?> + E@
@ +B@C A A.@, -C D@ , ;K=L C ' ' " " ,!0 4 4 LO< O
E-) - +B@ -C?@C , ^- + @ ? ADa ->.B+ -C $ %$,Q
& ' A +B@ B-, + JB ,- -JBG + -C +B@ ? - + J C+
C@ , - +B@ JB ,- -JBG - C +-+,@ ;KQL 7 9)
0 C !& 0 - 8;KK=(SM- #A +B J C+ >, C +B@C@
A- D @C@A @ - D- +C A@2 E>+ -A,G - -CD 2 E@+ @@A -+B@C
C +@C - +B@ B-, + -,,- A. AD +B@ JB ,+) JB@C -
9DA . +@C. $ & 7 ,!6 + + ;ON " @ A @CY
A. A B-, + ? AA@C +B- @ B- B D ++ U@D B ?
+B +B@ @ J-A - +B@ B--,?@A

&@C+ A A. +- B--, -C B--, @D> + -A

$%&> .) 0 (; : <M B@ 0 B-J - A -,A
? A - .C@ + +2 AD . --D ! B-, + U ,@ CA A. A%0$
B . . ? % !0 8;KPQ(2 $ B@ I>@@A B @A+
,@++@C +- +B@ @ E A @,,@C - % ?EC D.@2 +- B @ A ->A+
B + J@C -A A AG B-, + U JC@ @C ?@A+ B @ A-+ + U@A
+B@ - +B O>/O # $ - 1! J ;LQ & SS + +--
- ? ? -A -C +B- @ B- B @ E@@A EC@D +- +B@ B-,) +, U
JC- @ -A +- D C@. CD @ @CG -+B@C I> , + -A 4Q<4
8 . . "& ' & ' A ;QP< : J- '& 3 C 3 >,,@C2 - 7 --,Y
B D@?G2 +B@ B-, + U +B@C - , +B@ .C@ +
@A. A@@C B D +B ->A+CG B @A J,-G@D -C -C+G G@ C 2
OK=P $ 7 ' . C&* 0) ,0 8@D O(;PQ 0 C
B C@ B@D +B@ @ .B+B - + J@-J,@ ? +B@ A>?E@C - +
B-, C G->+B $ /[= B. 0 ' 0 S " O<Q
% C + C >A +@D .C@ + B-, + ++ A?@A+ +B .C@ +
JC +>D@ -C , E> A@ A >+ 0 && > 2
D A+G C--?2 +B A-+B A. ?-C@ D C@ +,G B-, + A +
+B A +@CC@ + , AD @,@ + , . ,-E@

! 5-,,- A. +B@ ?@+B-D - +B@ B--, ' E@
++ A. +B@ B--, A E D @A @2 T J@D A+ 2 A@@DY
,@ ,G >E+,@ 8: (

$>>0 # 0 C 0 &2! " 7 U 2 OK B@ -,,- A.
, A@ - / -AA@ B @ -?@+B A. A +B@? +-- B-, + U
$ J+ ' U. ($ - (0 OMM + ^! DA@G ,$ $H
A-+ C-? A+ 2 E>+ B-, + A-+ J-@+CG2 E>+ > +CG
9& : = B PM B@ J@C J >-> . --D @A @
AD B-, + JC@ -A - B +@,G !KQ[. C !&!(
' 0 & ') OP; B@ ?-D G A. -CD @ J@ ,,G2 ,--U
@CG ?> B , U@ B-, + JC-D> +

0 1(

2 ! B--,? A -C D J,@ - +B@ ! B--,Y
?@A C@JC@ @A+ + @ -C DB@C@A+ - +B@ B-, +
JB ,- -JBG

A%&& = . & , A+C-D P / ->E+ A-+2 -C+BG !@A +-C 2
+- AD +@ +B@ C@D B-A->C AD *>D. ?@A+ - 3 - @ G->C
JC@D@ @ -C2 C-? +B@ B ,,- -??@A+ A. - ! B-, + U
AD % A-A + $>0& B . . 3 2 $ 0 <Q C +-+,@2
@AD> 2 /@ % C+@ 2 +B +B@ A>?@C-> ? ,G - +B@
B-, + 2 ,, C A A+- +B@ ?@+C U,@ @CC-C SKSK ' .K
, 3 0 8;KQO(=OM + A-+ -A,G UA- ,@D.@
- C +-+,@ +B + +B@ B-, + - >C-J@ D@C @D OKQW
S & & ' $ '& G*2 A + +C@@+ B@ A.@, / - +-C
DE--, E-G J, G@D2 AD DC@ ?@D J@CB J +B@ DC@ ?
+B + B@ C@J@ + A J-AD@C-> -, - -C B-, + ? D@
O<NQ ,$ - " LN - ;K= O A +B@ G@ C ;<NQ -A@ ?> +
B@ + +@ +- D+ > \ A+-A - $- ?+A] +B@ , + - +B@
! B-, +

+ / B-, C2 ? A - ,@ CA A. &,,$ 0 ?@C@
B-, C2 -JJ- @D +- ? A - -C,D 1 0

5 d] & 0 & , 0 # B@G J@C D@ +B@? @,>@
+B + B@@ E +B + >.B+ G-> ?-C@ B .B2 AD @> D@A+ +C>+B 2
+B@A ,+ +B@ >E+ ,@ ! A-, + U AD >E+,@ J-, + U J>+
+-.@+B@C ->,D B >@ D-A@ OQSN . $! - O== 5 O
B@ - A #C +-C D@ J @ ,, 3@A >A@SJ@C @A @D
! B-, + U B- + -C A - -A E@ -C@ +B@G J@ U
$>& ' B & (C&! (0 L(OOL2: 2 ? A / A.@C
- J A. -C &@D A+ AD ! B-, +

! "# $ 1 0 $ YH

A && . 0 0 0 ' 0 : =< A ;;Q< + -CD@C@D
+B + A @ @CG +B@DC , +B@C@ B->,D E@ JJ- A+@D AD
? A+ A@D B@ D +@ B@C2 -C B-, +

! 0 8C@JC C $5 10$$ V1 +(A +B@ OGX AY
+ A@ ?J C@2 A D - +@

5N %C ' ' " " ,!0 !>JJ, PPK ; ! - C +@ 2+B@ @ ,@ + ,
B +-C A2 -,,- @D +B@ JC- @ -A - B-, + -C D - +@
M 0 0 0 ?@?E@C - +B CD .C D@ A +B@
-C. A X + -A - +B@ ! - @+G - :@ >

OKQM : = A : " &-,,@A 4) 8 K<M(;K; BC@@ D Y
@C@A+ -??>A + @ >AD@C -A@ $@ +-C] +B@ A- @ 2 B-Y
, + 2 AD @C+ A 5 +B@C SKKS - & $! & ' ")
&!! O; B@ A., B :@ > + B D A-+B@C %-,,@.@ A
0@,. >?2 + M.@ B -C +B@ B .B@C +>D @ -
+B@ C - A B-, +

M A C+ + B- DB@C@ +- T B-, + " -C Y
D@? ?@+B-D

OK<L $!" 2 LN JC M O D@ , + AD A +>C , + 2
B-, + AD ?JC@) -A + 2 @C@ A@ @ C ,G @S ,> @
B@A @ B +C> . . , A. -C +B@ @AD A+2 AD , ? A.
-C + B--, +B@ J- @ -A - +B@ +C>+B

+ 9 /$0 AD 10 1 0 , - P M
-- 2M U- ^5-C?@D JC@ i ,% a $ B0
& " , &!$,$! +C ?@D 2 E & $
, &!$ &$(+B@ + +,@ - -CU EG &@+C> %-?@ +-C
O=LL PN +C ' 8$-,, (LMQ) - E + C@DD@ A +B@
+-CG -, + ,@2 +B + ^@+ a

/ 5-,,- A. +B@ +@ B A. - +B@ ! B--,?@A
J@C+ A A. +- ! B-, + ? ? O

OPPO ' 2 0 & <$ ' A QL ! - G-> -AD@?A
- ? DA@ A-+ -A,G ,G B-, + ,D- +-C E>+ , - G->C
- A -C?@C @A. A/OI) F$%JAD $//
7 B B B-, + D, >E+ , + @ J, A@ > +@C@ D-@ A-+ ,- @
OML< B) 0 E ' 0 8;QNO(;K B@ ! B-, + ,
%-??@A+ +-C , A. A +B- @ B B C@ ,,@D +B@ D CU
.@ - +B@ %B>C B SM+@ 8 5*& 0 8;M<Q(Q=
-$ '0(B B-, + , @J+ -A A-+ A @A+

5-,,- A. +B@ ?@+B-D - +B@ T B--, '
E@ ++ A. +B@ B--,2 D@? A E D @A @2 J@Y
D A+ 2 >AD>,G -C? , -C >E+,@

OPLO - " ' -0 $, " 7 U 8;PQL(QN JC-J@C D Y
+ A + -A2 EG +B@ B B@ G-> ? G @ J@ +B@ B- + ,,
A C@ AD ? @ ;PLK ' !$ ' M< BG
AG>@C , AD -, +G , -A GD@C +G-A - @C G AD
+C>@ -??GA @,@ ,G+G, B , JC- G+@ OSPKL " < ."
0 $ A0 ! 00 , $ 0 8;KM<(O - B + %-?-D +G > B
@ - C+@ mmF ,E@ A ->C +->A.@ ? G J C+@,G E@ @@A@ EG +B@
B-, + ,, C A@ @ - -?@ A@ ,G %-??@A C-? +B@
A >@C + @ OMS= . 7 (& ! e O O<K
? ++@C - > B -A @+) >@A @2 A-+ +- E@@ -? ++@D2 A
C@. CD - AG B-, + ,, D J>+ + -A2 $ SM M &'3
& (.0 ' ($@ > + 8;MPQ(;) Q2 J@ U A-+ - +B@ A2
! B-, + ,,2 3 AA@C - &C@ B A.2 S) 3 . $ "
7 JC 2 B@ 0 B-J - ,-> @ +@C JC@ B'D2 A ? AA@C @CG
, U@ 0 B-J ADC@ 2 >,, - D -A 2 AD B-, + ,2 AD
+B + +B J> B I> D@A@ @) ;Q<L 4Q .) 0 0
LQ @C? - C+ AD B-, + ,@SJC@ -A

! O@,-A. A. -C ++ B@D +- J, @ - ,@ CA A.
D@? b L

A / I 0 A ' & 0 V ' & 2 !0 8OKQN(P< A +B@ J C+@
aV +, ? GA2 (V@ UGA.@ .C @ B +B ? AG2 *@2 8 \ A ? A@C(
,, ? A@C -+ J@C -A 8@S @ ?+ -?@ U-, +G ,, ?@A(
E@ BG D>@C CG OP<= ' , , !0 C&!0 &C@ e
B@ >->C - JC-J- A. +B@C@ A -A>@A @A+ -C+ B + -
@>@C G@ A -- @ + 8 B B +B A. ?G @, @ B >@ UA- @A
+B@? ,(+B@ B--, A >A @C + @ a +- .C >A+ - ! B-, Y
+ ,, ->C+@ @ A+- +C A.@C (A@ +B@C B +B 8 +B AU@(A-C
@>@C ,, 8 JC@ >?@(E@ D@A @D G->)SMSL .) 0
0 S ;Q= AD +B@ C +B@C B >@ E A C@ >, +- @@U ->+
+B@ @ @ + AD J, A@ +V G2 +B + ? .B+ ,,>C@ \ DC -A
?G B-,, C A +B @S@C @2 +- JC- @@D A B-,
+ D ,, J, G2 +B AD@C + AD+A.2 ,->@ AD D@, .B+ $59B0
9) 8# " ! (;ON 7 2 D D A@ @C +@C CD
+- B@ C - @ %-,,2 B--, +- B @ . @A B ? E-,
+ ,@D> + -A E>+) J , @D ,, +B + B@ B D +- +B + - B ?@
4MQL " &) - 0 & 2 0 LM - ! B-, + , " E +
- A -C % J -CA EG +B@ !+>D@A+ ^ A @GD@Aa

J$ =C 0 1 0 $ V

8 . *!0 $ ' OP< B@C@ ! -+> . A +@
') - C +B @ -A>A ,@ . A + +B@ $@ ,@ +B@ ! B-,
+ ,,@ . A + +B@ % A-A +@

2 8 U-,b + U , (2 $ 0 K$ 0

6 * ;L A B-, + ? AA@C , U@
! B--,? A A +B@ ? AA@C B C +@C + - +B@
B--, -C - B--,? +@C

OPP< &1 ! " & - ' 8$-SE %,>E O 3=(;;= 1@
?> +@ .@ @ ?@,@ @ +- J@ U@ ,G++,@ ! -, +G ,G@ $ OMS<
- & - 0 &C@ K / @ , A. -A@,G ! B-, + ,,G2
EG G - - . ,, C.>?@A+ OQSO 6 .$ $,(
3 ;;; O=O 7 B@A ->C &C A @ AD !@A +-C E@ ?@
! B-, C 2 +B@G J-U@ B-, + ,,G K ' B A 5$Q
- ' - Q;M ; &-@+ AD -+B@C B- B @ E@@A B-Y
, + ,,G EC->.B+ >J2 OKKL L , $%C ' " ,!0 ! 0
6 -) !0 " O004 B@ -,D B -A@D2 B-, + ,,GD@ @,-J@D
>+B@C A -C+B-D-SG

8 U Q,D@ !+ UC +(, ,!0 ^ D ?-D2
% &!$,) 4) +@?(2 , &!$,3) 0
$(H @@ * R B-> @ - +>D @ -C
?@?E@C - +B@ +B CD .C D@ A +B@ ! - @+G - :@ >

KQP :b = &)10 $ 0 & %$! @C ;; OKN
7 B@C@ @C B@ @A+ B@ ->AD +B@ +B@C B- B D E@@A +B
B ? A +B@ - + +@ -C ! B-, + +@2 A- $@ +-C AD
!>J@C -C OK<P & ' : >,G S-S @+ + +@ J, CD@D A +B@
A- + +@ AD -,,@.@ AD B-, + +@ +B@ -C,D - @C

H = /Q$ 1 0 $ 3V K$ 0

i 'G+ i +E :$L 5 ,,@D 1 >E+,@+ @
;QQL 8C +C $ <) ' ;; OQN !@@ A. 5C C
-AE - - B-, + +@D +B +B@ @ A -JB +C @ 2

) .$ K$ 0

1* " .

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

. . 8 ' ! 0'C & 0' ' 'e'M)'OQ<0-G ' A'+B@' ! B--,@ '
UA- V +) +' $'C&, ' $ ' ('+B@' C.>?@A+' -6- @'A-+
7 ' $ 0' /@D' ' Z 'B >@'A-+'@AD@ >->C@D'
+-'@SJC@ @'?G' -A @J+ -A' '@G+B@C' A'+B@' JBC @Z -C' A'+B@'
, A.> .@'- '+B@' B--,@ ' ;9 ' 3 . '),$ $'K=' AD'
B@A @ -C+B O@' E,@'+-'D J>+@' +B" @,DZ AD'%-?E +@' A'
+B@' ! B--,@ ' ;M<N' ' 0' E (A' 'e< ;<' B '
B-,@'?G +@CG'-' ' @A@C ' AD' !J@ @ Z B B' ?)@' > B' '
A- @' A' +B@' ! B--,' ' ;QN;' 8 6 ' &' '&%' &1! ' '
& - - 0 7 U ' CQPP' ' ; ;O' ' ? S@D'.- @CA?@A+' J C+ U A.'
- ' +B@' UA- A',-C? 'C@ @ @D' A' +B@' B--, ' !QQ=' B '
*0' - 0' $5 0'8;QQP(PO' B@ @' C@'+B@' C.>?@A+'- ' + +@ '
AD' U A.D-? ' ') @' +B@' C@ +' +-' +B@')B--, ' -C' +B@C@'
-A,G'+B@G'? G'E@'D > @D' +B' @+G' ;QKP' 8 1 ' $.'
'PL=' '%BC +'+B@' E,@C'+@ B@C'-C'+B@' B--,

i'N' A' C ->'JBC @ Z ' &' &' & , &&!(+-' +>DG'
+' '>A @C +G' -$''&%' , &&!(-A@' B-' ' @C @D' A'
+B@' ,@ CA A.'- '+B@' B--, ' 8 , .&&! (''
, &&! ('>A @C +G' D@.C@@' 1 0

S ' 7.' 'A 'O'44'OQ;' A>G@ B@@+' C@C@'+-'.-'+-'
3@Z AD',@CA@',-.GU' AD', @' ,'S) '9 6 h 0' . 0
8;KKN(=OQ /@.C@' + U>A' A' -,@' ? U B'.-DD ' -CD' ?-C@'
@J+ E,@' 1 0' =OK !-' JC@ + ' EV->+@' D@.C@' - ' -,@'
? G'JC- ,@'?-C@'B\A'D-A' V@' ? *)+C ' 1 0'(P' B> ' ?@A'
- ' -,@' +C >@,@A' @GA,G' -C'+-'.@+@' A@ @' >+ ,+@@ ' ;=OM
) ' '<) !0'C ! (;;=QQ' B-.B' ' ? A' @C'A>@C@' -'
G Z AD'B DD@',@?GD' +'C CG Z BPC'+BGC+G'G@C' +' -,@'
E@' A'+B +'A-E,@' AG>@C C+@' ;=P;' &!! '8 C$! 0' 'OOO O'
+@C'+B@' D@.C@@ ' A' ! -,@ ' A.>,@C,G'- '+B@' @ D@' ! -,@C '
O/$J' B 7. 'B ' ' '5C-,'LK;' ? A.@' ,@CU ' A' >,@'
O OOM[' 1 ' &!0' !&) 'QNO' ' ,@D' +->A.)' >CA B+' +B'
+@ C?@'- ' C+' - ' C+'- ' B--,@Z E>+'%->C+@C ' B--,@CG'
SD S'%-$1 ') 'L<O' B->.B' +' E@' A-' A >@C +@' +-'
G@@,D'D@.C@@'- '! B--,@'+-'+B@' +>D@A+ ' 4MLK 1' = B "
6' ' D0' 0' '=Z # ' B +'D@.C@@' A' B--,' 'B@
+D ' &' &! '-C'. *' , &&! '+-' @A. .@' A' Y
D@? 'D J>+ + -A' -C'D > -A' 1 0'

,'S) ' ' [' $'? !! ' $- 'LO< A' LCC@, A. .@Z '
B B'G@' AD' ?-'E-,D@' -,@'- 'D)G' $/ = ' = ' 1 ! 0
$! '' 7U '<=<O'7@' 2 %' '' +B ' ? ++@CU@@J@' A-' ,-A.@'
B-,@ ' D : $ % *&!0' 'L=P 7B@C@ -C@'D--'G->C'
/ - +->C 'U@@J@' >+ B@'E-+@' ! B--,@ '@?-A. +'+B@?' @,>@
@' * 0' +B' A.Z -A +C> + -A' ' A' @?E,G'
+B@') B--,'' - ' '>A @C +GZ 'J>E, 'D J>+ + -A
' ;=QN < 7 ' A' 0' &!!0' 0' &' 0' 8% ?D@A(OO<
3 G +@C " ,D@A'U@J+' +B@' B-,G ' +B' A'+B@' 5CG@C ' AD'
DG J>+GD' ' . GA@' ' C G' 5CG@C ' AD' +' +B +' B-,G '
@C@' ? AG'.C@+@'D- +@C ' AD' +@CUG '+-'.@ @'BG?' >DG@A
K ' ' , &&!(' ' , &&! ' +B@' ! B--,?@AZ +B@'
B-, + 'JB ,- -JB@C ' AD+B@-,-. A -,,@ C @,G'
- ' $ ' -C' 1 0

$'L%L&' ' 0) -+'8;M==(' :@!' 3 AG'- '+B@' ! B--,@Z
' I> A ' 5C ' +-C Z !-+> 'Z 0 AA@ ' SM S' '
$ .0'+ 'S, 'LQ=' ') ,3 $' '8 '+B@' ! B--,' ') ,' +('
SMM ' . . 7 6 .' X:0' $, ' +' ' e'L'SK' B@' J C' + -

j j j j j j j j j i j j j j j j j j j j j j j j j j j j j j j j j j j j j 2 j j j , +
B->,D'+B@' @A @' A-'+-C?@A+' @ X@Z 1@+' &C>A'- '4- ' ,-A@'
->,D' ? U@' ' "@,,
' ' ' 0' B@'E> ,D A.'-C'C--?' @+' J C+ -C'+B@'
,@ +>C@ '-C'@S@C @'- ' 'J C+ >, C'T B--,'' 8 A' A'
>A @C +G(Z E '* 0' 'E> ,D A.'E@,-A. A.'+-' '>A Y
@C +GZ -A+ A A.'C--? ' @C A.' A' -?@' @'
-C . A ,,G' -C' ,@ +>C@ ' A'+B@' @ @C ,' >,+ @ Z A'
, +@C'+ ?@ ' B @ ,G' -C'+B@'D J>+ + -A ' AD'@S@C @'
-C'D@.C@@ Z AD' -C' ?@@+ A. '- '+B@' D@? 'E-DG'
-C' - 'J-C+ -A ' - ' +' "@A @Z A' ?-D@?' #S -CD'
> @' B@'E> ,D A.' A B B'?- +' - '+B@'>A @C +G'
@S ? A + -A ' C@'B@,D

,';P<N = . 8 ' $)) '8;MN=(' 'L'EZ "@'B >@' +B@?' ,,
+B@' J>E, U@' B--,@' ' +B' U ,'H '& 0 0 ,Ua' 7 B@C@ +B'
+B@' +>D@A+' ' B ,E@'EC >@,G' , D' ;M== 3 . ' $ "': A Z
7 @' @A+' A+-' -?@'- '+B@' ! B-,@ 'A- '+B@' !-CE-AA@aZ AD' A'
+B +' - ' / A +G' @' ->AD' '.C @' / - +-C A' B ' B C@Z
+B' '?>,+ +>D@'- ' ' >D +-C Z B-' ,' C +@' 'B@'D + +@'
$';MQ=' ' ' ' 1 0' 'e' ;ON' B@G' > @D' JC-'
-A '- ' -?'+-'E@', D' AZ A A.'+B@' J>E, ' B--,'
+-' +B +' J>CJ- @' ;M<Q 3 ' $' . . 0' 3 ' 7 C +'
8;KOP(LMM #C' -?J C@' +B@' ! B--,' ' AD' EC CG' +'#S -CD'
+B' +B@' B@ +C@' +B@C@' ;QNM ' ' &!! ,0' L' # +'
8#' ' ' ! ('O<O'5-CC@ .A@C ' C@ I>@A+,G'.-' +-' G@' ! B--,'
+-'B@ C') +>C@' ' ;QP;' 9 . ' . 0' ;KQO' 'OOOZ' ' @A+'
+-' +B@' ! B--,Z B@C@' +B@' %-A - + -A ' ' ?@+' SKMS'
' B 7 ' &-' ? - ''$ ' 5%0' SS Z B@C@' 'A-'?-C@' B C '
+@C + ' J-+' A' #S -CD' +B@' I> DC A.,@'- ' +B@'
B--, ' ;) L') ' $' 1.0 ' E' 0' 5%0' ;P;' ' -JG'
- ' +'?> +'E@'D@J- +@D' A'+B@' 3> '! B--,
3 ' A' ?-D@?' #S -CD'> @' ' * 0' B@'J@C -D ,'
'@S ? A + -A ' -C'+B@'D@.C@@' -'O

SK K :' " ' (8 0' 8;K<;(;KNZ ' ?' . - A.' ->+'
- '+B@' ! B--*' Z AD' / -CA -CD'8 ' A G(' ,' >JJ,G'?G'J, @'
-C'+B@' @A >A.'@S ? A + -A' KMS' B 7 ' &-'? P) -'
$ 5%55 ' B@'C- '- ' +? T ++A.' -C'+B@' B--,'T
' +' ' ,,@D' SKKK - ' & '0 &'D' ') J'PK;' '
-C?@C' -,,@ ,>@'- '? A@' A'+B@'#S -CD' ! B--, ' ()o ' &, "'
;K' - O' B@' B--,' ' +' #S -CD' C@'T -A -A @' ?-C@Z
AD' B +@' + @' C@' . A'+B@'-CD@C'- '+B@'D G

E ' B' -'+B@' @ @C ' ->C @'- ' '+>DGZ A' AG'
- ' B B' A' T B-A->C 'D@.C@@' A' C+ ' ? G' E@'
+ U@A ' -CC@ J-AD A.'+-'+B@'% ? EC D.@'T C J- '
+' JC@ @A+' +B@'T ! B--, ' C' ' - .. ' -) 3'
- $) & ' '@' , (Z 3 +B@? + ' AD' &BG ' ! '
@A @Z +>C ,' ! '@A @Z :>X JC>D@A @Z 3-D@CA' " +-CGZ
B@-,-.GZ #C'@A+ ,' A.> .@ Z A., B' A.> .@' AD'
+@C' +>C@Z 3-D@?' A.> .@

;KQL') ' T' $' .&.0'E' 0' 5%0'A-' B- @' B-'B @'
-E+ A@D' " -A->C' A'+B@' ! B--,' - ' B@-,- .G

, , ' ' B@'D- +C A@'-C'+@ B A.'- ' ' ? +@C '
+B@' ,-C@' -C' UA- ,@D.@' - ' ' >E*@ +' ? J C+@D' EG'
+@ B A. ' 1 0

;L<N' < 8 ' &'%0' 'K=' '+B->'B +'JC@'D' E- @' B +'
'+B@' ! -,@' B ,'D@ , C@'# ' $ +-,+,@' !& 0' ' ;L< B@C'
? ' ' ? A'+B@' ! -,@' "@C@' # ' $@+E-C I@ '@,-I>@A @ ' 4==OL'
' V ' A 0' Z F>B +-'D@ ,?@'?G' -U' ' ->@C'
P-A.' ,';=MN' &-'KM A' $, &'C!$" 'LK @ B@'?@' (V@
,G '- 'G- >CDG GAG+@' ;P 'C '&%')E ,) ' 'L?' " X,
0'C'O'C'0' 'O' ' ? AZ +B +',- G+B' G B ' AD' - ,GA.'
E-+E@Z - +@' +@' G?@' +B +'. ?@' B ,' BG?' E@',-+B@Z - ' +B +'
C +@' ,,' +B-.B@' E@' A' +B@' -,@Z GA' +B@' @@Z A' C@ @CZ A'
J-AD@Z -C'GA' J-,@Z S. ' $" -!" ' ' ;OK E D' ' Z KQ' B>'
EG' B@C -,@' 3 D@'BG?' ' - @Z AD' ,,@D'BG?' D-DGJ +@

i'E ' 'J C+ >, C'?@+B-D' -C'D J, A@' + >.B+
' ;LKM B 'C &!0' ;OP' 5C@A B' B@' J U' >,' C@' AD'
@+ ,GZ +@C'+B@' -,@'- '!+C + -CD' ++@'O- @'] ' !! C
0' ;=L' A'+ @A+G' ? A@C@'U->D@'B@'+C JJ@' AD'D >A @' +@C'
+B@' -,@'- '#S@A -CD@'+B-' ' ,' ;=<N'? ' '0=NL' ! -'G@@' + C'
?G' -,@' 7 -,' D-Z \' ' 'C@D@'*@ ' , &2 &' ' ?$10
;;=[Z ' B ,,' +B@' ,@CA@' 'A@ @' -,@Z ' +B->@' -'B CDG'+-'
.A+@'E@' ,';=)'C$!!$ @'&' ') 10' C';=' +'+B@' @AD).
, U@' B@'G-U@Z+BGA@'-S@A' A@ U@ ' -C+-' -,@' O>+'DC A.'
EG'+B@'B-?@' A--'.--D@' -,@'$'S. . 'C0' *$ &2 '
;;Q' +' -,D' G+' -A' ' +-,@' AD' ,@CA@D' +@C'?G' -,@'5-C'
+-'U@J@'B ' >+Z

'N' / $ 1 0
4==<' ' * 0' ' 'LOK'%@C+ ' +B@' C@@,A@ ' - '+B@'
; '+-' U>++' @' AD'+-'E@',@ D' D@' +B'.C@@+'E +@DZ
.C@@+' -,@Z AD'.C@@+' C +

C '$@JC' ' , &!$(C' QSN4QZ A', +@' @A @
, / ' ' B- +@,CG' +' $-?@' -C'+B@' C@ @J+-A' - '
J,.C ? ' 1 0

0' 0' &'(A'K;MZ,VG' , A' @ C@' -CE-CA'#A.-, GAA@'
- ,>' ' <--' A' B-CJ@' *!& - $ 0' ' !,) -' 84KMP(S M'
' ^ +B@, >, a' ?' $-?@ IA., @' -,@'.@ @++@)
?) 'L;M !@GA+' &@+@C' J@A Z J@' B B@'9GA.' '% a '
@C +' .C >A+@D'+-' $-?@Z -C' -,@'- ' A.@,-AD' +B@C' +-'
E@' -A+ A>@D

%' ' 'J>E, 'E> ,D A.Z. ,,@CGZ -C'+B@', U@' 1 0
%;=NN' = B) 3 '8$-SE ('4 '==' ' U CU' +B@U@D' +B' ,@@DZ
B +' @ ' ,,@D' ! -,@'- ' !,-?-A' 4PL=' 9 ' ')!33'
!" ' ' %%, ' ' 8;P=N(LL' ! -,-A' GC +@' @?,G@D'+B@' B-,@' +
C@-J .> ' A' +B@A@ ' SM-+' ' . ')'C!''SSS ' '
PMK A'+B@' ?@'J, @Z AD' A ?@,G' A'+B@' B--,@'-C'. ,,@C @'
;' ,@ CA@D' ?@AZ +B@C@' E@' ? AG' ?-C@' ? .@ Z B .B,G' -?Y
?@AD@D

! ' 0' #A@' - ' +B@' -B-C+' -C' - ?J A @ ' A+-'
B B'+B@' ?J@C ,'.> CD' 'D D@D
QQM' < ' ,!0' =' 0'S6 ' 'LKK B@' @A>@' - '+B@'
J , @' @C@' +C +,G'.> CD@D'EG'+B@' C ->' ' --)' '+B@G'
E@. A' +-' E@' ,,@D'- 'D-?@ + ' - @C ' ! 0'S + ' 'PQ'
B@' B-,@'A>?E@C -A +@D'- '+BC@@'+B-> AD' @'E>ADC)'
?@AZD D@D' A+-' @ @A' B--, Z -C'+C--J Z - ' @'B ?DC@D
@ B

:$: K '3[.' ' ' 2 $
4K<O ! '< JC'P;O O B@A' E@. A' ' B@@CG' ' B--,
- @C -?@' C>EEG'B ,,

: / $ 10 AD' & - 10

1' ! ?J,@' ++C E>+ @
'&@C+ A A.'+-' ' B--,' 8 @A @' (' -C' B--, Z
' , &&!3$ (! '(% (3 ' , ('3% ' *(
3 &) ' (9' +(('!$2('3!% (* $'.(* O (3 Q
, ('3 $, ('3 $,$ &'(' 2$ '(32& .('3" $ (@+ '
' -'!%" ## O# O/Z O##9Z / 1Z" H 2 =!"= !'
"=Q

;KQ<' 0' < & ' & *0' *0' 4 'QSM' !-' --A' ' B ,DC@A'
B @'J @D' B--, .@Z +B@G' '@+ a' ;KPQ' ' B 7 ' &-'
? & -'A' Z B@'% J+ A'-'+B@' WB- 3'@,@ @A -?Y
J A @D'+B@?Z S.SS S' ,,0' 0 ' $ 0' ,& 0' 'O='
A' B ,(J G?@A+' 'B ,' A@'*@C 'E>CD' AD' -6@' @@'
;KQN ' LL' 'L=' ? 'QP'e'OP' B@' B--,'E- CD' ? GZ '
+B@G'+B'AU' +2 'J G'+B@' B-,@'FC AG'J C+-'- '+B@' B--,' @@ '
J G E,@' +' AG'J>E, '@,@?@A+ CG' B--,'EG' AG' B ,D'^@+ a'
;KLQ^3 ' BB H 0 $ $ 5 0' 8;K=L(;=P' E->+'
B ' - '+B@' ?' UA- ' +B@' , ?> .@' @,+Z AD'+B@'C@ +' J@ U' +'
, U@' B--65C@A B' 4QK=%N 7& $' =LM !EB--, C AD'
B J 'C@'A-+') G!' ->ADZ J@C? A@A+' AD' ->AD' !Q=N:'
$# '),0 &) '8@D'L(;LQ'#>+' - T) ! E--, ->C 'SK)'
'$'0' $ ' Z !>CC@J+ + -> ,G'A>C A.' +'^ 'D-,,a'
A' B--,E->C ' SMP-: 3 8C [C(! E-- 2JCF>'3 B'
A' A., B' ';KPQ' B 7 ' &-'?&2 ' ' ' B@' C@' +B'
B B'B@'B ' + B@D'- @C'@ @CG' +@J' A'G->C'd B--,' @ +'
;KKP 9 .) ' -0' $ &2 '8;KKQ(M A' ' @ 'D ')'J@CY
B J G->' ,' @@"+B@' -A+ A>+G'-'G->C' B--B6 @'E>+' -C
+B@'JC@ @A+' +' @@? '+-'G->'+-'B @'E@@A'EC-U@A' ;Q<< " C'
H(0 $\ 10' 0(C& >' '8@D'O(=K&, G A.'d B--, JC AU '
+B'B ' -?J A -A ' ;<N=' ' ('C ' 5'= ' $ * '
S 'A %' +' -A @C + -AZ '@A+@C+ A A.' AD' A +C> + @ '
, U@' d B--,' JC X@' C@' D' +-'E@Z ;Q<P' ?@ - -$' 'ML'
'JC@ A.' A + + -A'+B +' B@' ->,D' J@AD'+B@'A@S+'d B--,'
C@ @ ' +' +B@' ,, ' ;K=Q 9 !'T , &&! $, . (-A@'
B-' +@ B@' -C' A +C> + ' ' B--,Z %%B' 8 '
6& ' &''=Q;' 7B- @' -A' +A' B 'd B--, + -A' ' -?@'
B-?@' SK ' **0')' ,0 & *& 0' *0' OK<Q B@' + -'
d! B--,' 7 ?D@A '^ +' 9 A. +-A >JIA " ?@ a' C@'@,@ +@D' A'
, U@' ? AA@CZ ,,"@ C' '+-' +' AD' >J@C A+@AD'+B@'
B--,' L >' B 7 ' &-' ? &2'' ' Z B@C@' ->,D' E@'
A-'C@ -A' -C' +-JJ A.'+B@'d B--,' -CU' +'JC@ @A+' 1 0
' +Z B@C@' @C@'+B C+G @ .B+' @@U 'A'+B@'d B--,'G@ C

E ' >.B+' A'-C' ++@AD A.' B--,Z ' , &&!3, ! (
3,) -(3,& -'$' &'(' i'3% ('3-$ ('3- (@+ ' , -'
" !'"6 . . 8 !'"7 .!'"

;K=N ' & ' '8;K=;(ONQ "@' ^ >+B@Ca' B D' +-'
E@.Z ' +B@'d A'+B- @' + ?@'D ' S) ' 0'
< & >' & C0' *0' 4 'QNP B@' C+ @' - ' ,,@A '
' E--B E,D' S) ' = ' < I ' ' 0' '8;KPO(;=< B@'
+>J D'd E--, E>?' - 'B ' JC +@' @ C@+ CG' ;QQ;' .R
. ') - ' 0' 'L;' 3 G'8;K;P(;NK' B@'D@J C+>C@' 'G->C'
d B--, -?J A -A' ' ;L) ' 3 ' '8$-,, (" ' '==<'
#A@'% ,+ +@A@ Z , >ADC@'d -,@ @C@'>AD@C' +-+,,' !& $0
' L<Q "@ Z' @A+' +-'$-?@' +' ' +@?aV--A'- 'B ' -,@
@C@ ' ;MNL' ' $ 0%& ' (' =Q' ' B@'G->C' - @A' '
$0' D-J+@D,GZ 'd B--, ? D' B ?.@'+B@C' A ?@'OG'
+A@Z+B->.B' @ + -A' L * ' ')E .(' + U@'
B@C'+-'E@' A')+@D' 'd E--, ?
' 0@,-A. A.'+-' -C' -AA@ +@D' +B'+B@' B--,'

'E> ,D A.' 8 ' (2' ' , &&!31 !!(1) ! ' ('3, $* !(
3 && ('3 &4%('3"$ ('@+ ' ! @@' , -'
(M' 3 ' '=' $' !0' 8) (' + ' 7 B@A' +B@'
d B--, E@,' >+' B-C+ ->C' +C @' S\ < $ ' < . ' 1 0
, &!$ 0' ;MQ' B@'d B--,'E> ,D A. ' C@' @,' D J+@D'^@+ a'
c]' $1! 'S '# ' P<; O' B@' @C@ + -A' - ' 'd B--, B J@'
' ? ?@D +@,G'E@.>A' SM=S' = . ' (<& 0' ;;'%-A '
MO' B@C@' 'A-+'+B +' @ +'- '&B ,- -JB@C ' ?-A.'+B@'B@ +B@'
'D -,>+@ 'E>+' ->,D' B>+' B 'd B--,'D-C@' . A +' >@"
.C@ G' -JE +@C ' ,'c<]R $- *&E>' . 0 8;K<P(;=N '
EE-+' *b+ A@>@C' , ' B ' B@>@D' +-' @@' (V@ d -,@ C->,'
% _R' ' '=' & ' '<<' B@' C?' G?J +BG' +,'
B B' +B@G'U AD,@' @ B'-+B@C' ?'d B--, G CDZ -C'> E ?'-'
--D B@D

D ' &@C+ A A.'+-' +B@' ! B--,?@A' 8 ' @A @' Z+(
-C'+-' +B@T B--, " - '>A @C + @' 8 ' @A @' Q E(Z
B-, + Z D@? Z ' ' , &&!3$,,&) ' ('3$ - & (
3$) - ' ($) & (3,! .(' * ,&'(3 , (
3 5 , (% ' - *! - ' ('3!$')$ ('3!& ,(3 -$' (
- $ (3- , ' (%'& $! (- & $! "('$- (3&* ' &'(
3* $' "(* !& &* (* !& &* "(3* $ (3D) T'
&'(D) "(3) 1 ! "(3 "!!& - (- (3 &Q
!& "(, .('@+ ' , &&!3! . D*' AD' D ' !@@' , -'
." 6 ! ") 3 !' ") 3 !' ") !' " !

&#
K>+O' (' $!' & ! ' , ' ' =NK -' , G' -J@A' +B@'
d B--, ->A+'- '+B ' ? ++@CZ AD' >AC @,' +' +BC->.B'
+ E +C)+@ ' $%&&' B . 9 '% C ' ;ML' B> '+B@'d!)--,@'
?-C +'+f # Da' $/ >'< .) 7' ' & - $"5 0' 8;P<O(OOP
B@'B-,G' ! C J+>C@ @+B' A-'d B--,@' C.>?@A+'+-' ? U@'
' E@,@@>@' +B +' +B@C@' ' ' -D' X S' ' ' 2 0
< $ ' ' '<N ' + A-+' J, A,G' C ++@A' - ' ,,' +B@' & J + Z
E-+B', G@C' AD'd B-,@' >+B-C Z+B +' ^@+ aZ $'$1 J' ' ' '
< . ! " , $ 0' 8;KM<(L' B@'.C@ +@ d!' B-,@' , CU@ '
C@'A-+' ? G@' '+B@' @ +' ?@A' 59&&' 9 ' 9 ' , $3'
,& &''8;MNO(&C@' 'OZ C.>?@A+ '& 'JC--@' A' B@ 'B-,D@A'
-A' ' B-,@'D 'G'EG' A@' + Z A' 'd B--,@'D@ J -A' ;QSN'
' . 'C -,0') - 0'V'&2 !0' 0'e' -';=P #A@'? G'? U@'
'.C@ +'.C-- ' A'd! B--, +B ' +B->+@' @ @C'E@ A.' +B@'
@C -C'E@++@C 3 A' -C' +' , ;=OP' &!& 0' $* ' 0 ' A'
' ! $' 4 ' LOQ =L' 9@?' J +' A' d -,@ @S @C G @' @ B@A@'
B--' B)+'E@A@'A@D@C ,,@'+-' - ,@ B@,@' S) ' '
' 2 0' $ 'S '8 M (' ,;< B@ @' d B--,@' ?J,@?@A+'
C@' UA- ,@D.@D'EG'.C >@' AD' E@' ?@A' A-+' AJC- + -,
+-'B >@'E@@A@' A>@A+@D' ;ML< ' 6' 8 ' ,0
- * ' 7U '8;QS;(OO<' 5-C', D@ ' B-'>AD@C + AD' A-+'
+B@'d B--,', A.> .@' 0 ' O&+' & ' ' 8;K=;(OK<
.@C,G'D@ ->C A.' B + J C+> ,' +B A.'B@'^:-BA -Aa ->,D'
-?@' + ' B--BEA.> .)' AD' -+B@C ?@C@,G' .C ? ? + ,
+> Z ' +B@C@' 'A-+B A.' E@++@C' S) L KQ' - L ' 0' =' 0'
8;)<M(S=' ' !> B' '?-C@' # + A +,@' A 'd B--,@,U@D6 > @'
+B ' ? ++@C' S!-S'O '# 'C& $ ' ' ' ;O< " ',@ CAY
A.' , E->C' A-+' +B@' BJ-,@ , U@' ,.- @' $ I/' = '
$, 0 OL' !> BZ '?@+B-D ,' AD' !@E--3 U@' G'-'D@Y
A A.' SKSK' ' 0' 'S' '8;K;<('PLK' &B Y
-',-.G''D@.@A@C +@D'+BC->.B'+B@'JC@ ,@A @'-'d B--, ,-,
5 %&' 3 ' +C' ' $' >' & ' -0 OO<'EZ "@'D ->C @'+B' +'
, C.@' +B@' X ,@'- '+> + G@ + -A' +@C' +B@'d --,@'C A@C
,-A.Z - & ' , &$ &H0' ' B ' ' $ 'C &!0'K1@'
A A' B@@C'+-> B@D' ,' -' ?--+' ,+B@@' A'd -,@' ?,+@C'.C@@+
D >,+@@' ;==Q A' ? * ' $' 5&'0'8#' '\' OMN ''
B ' E>U '- ' +>DGZ , -'-D@C'E-U ',-A.GA.'+-' -,@' ? +@C'
4QL;' ' $ $' 'OMN B@' @A@C@ ' / @' @ B D
*> +' +B@A' ? D@' + ' JJ@ C A @Z B B'+B@' -??-A'd B--,'
3 @D AD' 'A-+' E,@'+-' >C@Z +GS-'(' 0'C) 0' '
;=<' B '+B@'d! B--, 3-C , + ' B @' E>AD A+,G' JC- @D'
1 0 HHH0 40P' B@'d! B--,' 3-C ,+G' O/ ?) '*& '
*& "'8 CE (=;' 7 B-'+E AU@' @C+>@' 'd B--,@'A ?@' ;QP;'
a N V &E'C&* ' ' 0' &' ' ;'K;' & 0'5-C'+B 'D A.@C->'
d B--, -J A -A' . @'.C@ +' >JJ-C+'+-' +B@' 3 A B@ A' -C'
[-C- +C A' @CC#C' ;QN=' (' $!' & ! ';;' &C@ ' SM
7 B BZ ->,D'J@CB J' ' ->C' ', ++,@'+-' ?> B' +'d B--,'
J@D A+)' $'[Q " ' 8 ' $[0' $ ($ 0' $ ' 7U '
) SX' '<M 'd! B--, &B, -JB@C +'B 'A@ @ +' @'+-'.
/ + A + -A ' + -S' (' $[' & ! ' ' 'QO' +' ,C@@'
A-+' +B'+B@'JC A J,@'- '+B@'d! B--, &B ,- -JBGZ+B +' ,,
) 'A-'?@ A'?,- '+B@'@ @A @'- '+B A. '+-'E@'@+@@CA ,' [
< .) 'C ($ 'C&!0' $ '(L.' 7U '8 ,-E@(=);O
6A @C + @ B@C@' @C@'J>J , >JJ-C+'@ @CG'D G' G,,- '
.6+ ' ,'D J>+ + -A' B--,' JB ,- -JBGZ 51P1' ' 8 '
?! '0' &) 'S +' O;K' $&' & ' '%' ('OP' +B@'
d! B--, JBC)' '$/ %' ' ' 2 0' $ 'S +'8;M;O(
;K' +' @C@' 'd B--,@'F>@ + -A' $590 ') ' .
5' 'T'4;9#_+'LN B@' B> E AD? A @D' A-+ +B- @'
d B--,@' I> DD + @'+-' ?J,@', E->C@C ' (. ' ' B '
A' A>@A+' AG'JC-E E, +G' O>+0' 6 ' & $! ' ' ='
"@C'd! B--, !G,,-. ?' AD' B@C' , S CZ'^ C@a'+B@' B- @ +'+Y
B@C' ^&B ,- -JBG a' &C-D> + ' B ' , 0' 0
LOPZ ' ->A+@' A + ' J AG@C' >,'- 'A@CE@'#'d -,@'+@A>@ '
[KOP !-> "$1' A'A0' 0 4 4 4 ' LKN +' '8+-'> @' ' B--,'
+@C?(' A' A @J C),@' D@A+'- ' E-A' ;P<;' 1 '
0')11 'P;O' AD' -A@' ->,DZ +' @C@'E>+' 'd B--,@'
+C D

' ,- + @Z A' @A @'T +' B--,' +B'JJ,' D* Z
' , &&!31 ('3-$ ('3$) '3 $ ' ('@+ 2
;QK=' 8 1 ' &,0 K=N AD' ' + B A @ 2 B +'+B->.B'
A--, EC@DZ +B@'E-G'E@' C+>->' ' + ,' ;K<<' !) % ' " 0'
' KQN ' A' B-C@ Z -' A' + Z+B@C@' C@' @' B B'
JJ@ C'+-'E@'d B--, ? D@' VQMP I. ' $&(=;' ' $'
d 8?--, + >.E+'JC D@'D @?E,@' ,' +' AZ B@ @', ++,@'+B A.'
C@' ,C@ +'+-' ,++,@' ? A' ;K<Q' = ' 7 ' 0' %, $'
4Z O;=' 0 -) ' +C A@D' A'+B@' ? -A' B--,' AD' ? CA@D' +-'
d B--, +C A@D'. C,

;K ' -E*@ + @' AD' -E*' .@A Z ' , &&!3 !! (
3! $ ' (-'$'$ (3 $, ' ('@+
!K <' <&& ') "' 0 8@)'LV ' L=Q' B@' B-,@'
G +@?' +' d B--, DC,, A.' @D> +-A' 1 ( ) <' !> B' AD'
'+B->' AD' ? , C'C@ C@ + -A ' B->,D'@A+@C' A+-'+B@' B--,'
DC,, A.' - ' +B@'D G' ;<N;' $! "' &' 0' #;' - 'L M 22'
d B--, ,@ A.' @C+ +@' ('C$! $!!'<0' ;O: A'= X
B@' @, E G'- '+B@'T B--,' ? C?' ' 'B@C@ G' B D' 'G@+'
-A,G'@S + ' A' +B@'J -> ' DC@ ?'- 'd , --(? A .@C' AD'
B--,' E- CD ' 4K=Q 9 !'T &&!3 $. \ (+B@' E> Y
A@ ' -'A +C> ?.' ' D --B

! J@ ,-?E A +-A $& & P %%& -$'
. *B A T C Q ;Q(B B B-C @ C@ + A.B+
A+B@ B--, B--, E>++@C2 8 (I I>-+ ;PK=
<L 8 @A @ -E >C@(8)(!$' " ,-.. A. 4,+ ! T (
T +@ A. ,, +- B--, B ,DC@A 8& GA@ & 3
! $!$6B$-, + -B--, - J < & 8 @@ I>-+ (
-B--ED ?@2 A -,D -? A B- U@@J ? ,,
B--, -C G->A. B ,DC@A ! B--, . + 8 @@ @A @
LD(B--, . ,,-J 8 @@ I>-+ (B--, .- A.
++@AD A @ +) --, B--, .- A. - 2 +B +
.-@ 2 -C !> + E,@ +- .-2 +- B--, + B--,
B ,,2 +B@ C--? -C E> ,D A. A B B >A @C +G
D J>+ + -A @C@ B@,D B--, B C@2]
2$ & B--, ,@ CA A.2 i 8 (+B@ ,@ CA A. - T +B@
B--, 8Q E(2 8)(@D> + -A + B--, B--,
? ?? 2 ? -+B@C2 A @,D@C . C, + . C, B--,
B- + ! JC-+@ +C@ - -A@ -C ?-C@ G->A.@C
-A@ B--, J @2 f , &&!3 $ H B--, J@A @2
? ,, @@U,G >? - ?-A@G J D -C +> + -A A
@,@?@A+ CG B--, B--, C D@C2 B--, +C A@D
B-C @? A - B--, C D A. + B--, C-D^
,)!)] E C B C-D -C A@ B--, B-, C2
-A@ B- B +B@ ,@ CA A. + >.B+ + B--, 8 @A @
(B--, @ + -A E0 ((T @ + -A - , AD @+
J C+ -C J>E, B--, 8O C+,@++ ,KD-(B--,
B J2 B J > @D -C +B@ A +C> + -A AD +C A A.
- E-G A JC + , @ ? A B J ! B--, + D@ f
, &*!3 - 8E(B--, + ?@2 8D+(+B@+ ?@ + B B
B--, -??@A @ D>C A. B B B--, -AY
+ A>@ 8D(+B + J@C -D - , @ B B J @D +
B--, B--, .@ 8A-C+C $ H +B@ J@C -D ,
J G?@A+ ? D@ -C +> + -A + B--6

SKKW)7 C$ &,!) = C ' !&* PK " -C @ @D> +@D A
,, +B@)! B--, C B B C@ J*), E,@)+- C- D C D+A.
;PK= = B ! W C& ' ' & ;=QL A , F)
h)(* 0% 4 4 ,,, QM #+B + B D -?@ - &@D >,++ ^ 0
&@D A+@' a ! B--,@ E>++@C +- ? U@ ?@ 6J ,>@ + 3 L #
' 3 C ,)* (7 U 8 C- C+(2 OL; !E-> D +B@
O>++@C B-C@ +CG ,, +B@ -A ,> -A)B@CD+@?@2 B@? .B+
J@C D>@A+>C@ A -?@ - + J G +B@@ E-+J@ +B ! B--,@
E>++@C E>+ AD->E+@D,G B@ B->,D B >@ ?> B D--@2 +-
+-JJ@ +BG #>@A ?->+B +B , DD@ - O>++@C2 $;h98 0
NL ,($' 0 2 " ,.& !31) (7 B JJ A.2 SK) $' 0
< &!(&,(!@C A = B@ E@D E@,- +B ,,@D +B@
-J % J 4 E= A@S+ E@D ,,@D +B@ W B--, % J +
-A + - -?J + , ?@ +-A@ @S+C@?@,G @,,>, C
$ OWP # !0 ,0 X-+ 7 @ ->,D >JJ- @ ->C
@A @ +- E@ +B@ B--, D ?@ +B + BC + + >.B+ > +B@
,JB E@+ - +B ,@ CA A. VKPO - 0
! %%0 8;KML(;N " @ ?> + +>DG +B@ A >, C , A@ -A +B@
B--, D ?@ , +@ 4Q L $-1 " ,!0 !>JJ, 2 G , &&!
%$, -C $ D@A-+@ +B@ ?@ +B ,&) (;KKP)7
C$ &,!) = C ' !&*)LN B@ +C @C @ ;_ ! B--, . +
C C@,G A@@D@D -A +B@ C- D X I) & 0
& -$' * ;=K B@ ! B--, ,,-J J @ - ->C E@ + 2
AD JC- >C@D C-? +B@ -CD A CG) ,,-J EG D@? AD A.
,- @ >A -A2 AD EG > + A A. +B@ ?C@B AD +B +B@ C@ A
^@+ a ;K<M = ! & "$ & QK ! B-- .- A.
JC + @ E@ + A@ @C E@.>A ;KK= '$)- ;P 3 C
L=Q L -CD A. +- +B@ @ + + + ->+ - =E-G AD ; ->+
- K< . C, - B--, .- A. .@ >) >AD@C A +C> + -A ;<NN
$!!" 2 ; :>A@ M =2<L2NNN B--, .- A. B ,DC@A !H
C$! 0 "!! S,2 BG? ^:@ > a A@>@C . - +- -,@2
AD G@+ @ BG? G J>+@ A +B@ -,@ E ,, %4==N
C & - *0 C$ 0 ==< O ! -,@ EGC@2 ,&!$) - 0 ;PKK !!
= ' 0 ((8!>C+@@ KMN(SK 5-C B-,@ B@ C - +B@
B ,D@C2 -C + -@ @U@ 2 OD 3 -C@ J?D +- 3 C >CJ@A2
+B + - A@ -C EC B ? B-,@ B@ C2K SMKS 7 R
C $ 0 < ' 0 8;MNL(;N<< ! B--, A. -C B), B C@2
' ' $!0 $;=KL ' < . I " ! 0 ,.$ 0 8;KM<(;N
A +B@ A >@C " @ ?@A +>DG -A) G) B-,@,@ ? A.@ 2 SG.
. U ' 8 ? &) ! K " @ B A. O A A)
B B--, ,@ CA A.2 AD --A +- .- +- +B@ >A @C +G
4K=N . . & > 8;K=;(K= 3 B-?@+ B D A- B--,
,@ CA A.2 - +B@ +B A. @ ,,))--3@ CA A) A-A@ + ,,
;KQM 3 7 & - &% % L; B@ A + +>+ -A -
T) B--, ? ?? " ? G @ >C@ JC-+@ +-C2 -C @ B SK M
3 = 6) !!$ LN2 JC- D@D ?G @, +B
B--, ?-+B@C2 BA@ + ,, E,--? A. . C, 4QPL)! B--,
J @^ @@ , &&! $ E- @a ;KK< 5 ' 0 # + Q=; B@
J C@A+ C@ +- J G B--,J@A @ SKK)
, &&E $' ' %& & QP D + A.> B@D) B--,
C D@C2 B- . @ ?@ C G C + JC + , ,@ -A A +B ?- @Y
?@A+ K)) .) . A) ' > &) ' OM=
" @ JC-E E,G A-+ - .--D B--, C D@C +B@ &C A @
?J@C , XKKS I) : & @+ A+C)
M)! B--, C D J.2 A -A@ -C? -C A-+B@C2 > @D A ,,
C? @ 2 AD2 AD@)2 B@C@ @C +B@ B-C @ ?> + E@ >AD@C -?Y
? AD SM) -) ' C " * ! B--,@ C-D U@@J@
B ,D A 7@);M<Q B 3 8XKWK(LOK + ->CY
+@@A2 B@ @A+ G ^ C-? B--,a .--D B--,@ B-, C +-
3 .D ,@A B ,, A #S -CD2 $ 4QL= (% 0 &
8;Q==(O A +B@ AD2 B@ ?@ ->+ ?-D@C +@ ! B--,
B-, C 4K=< *0 & % &-0 & < ' 0 $' %% , 8O C+,@++
; % D! ! B--, @ + -A 4K<4 0 % - (
LQ B--, @ + -A @ + -A - , AD @+ J C+ EG +B@
- @CA?@A+ -C +B@ J>CJ- @ - C A. >AD -C E> ,D A.
AD ? A+ A A. B--, 2 [KMQ O 71 A % 8;K<4(
ZL 7 @ +-JJ@D A@ C +B@) E), B J2 B B C- D@D
+B E-G SK-K) &1 & 0 A - UB C+ % 8;K)N(
ML 3 G .C@ +@ + A+ ? +@ C-? +B@ D G - ?G A--, + D@
3 C :-BA C A. ;Q=N : .),0 &) 8@D L(
;<; !> B O-G ,, E@ + E@C+G ->+ - ! B--, + ?@
7\ $% 0 C$ 2 B@ A+C-D> + -A - C U@C
A B--, + ?@2 ;K<N $' , = # + QNK ; @ B@C@ E>+
+B@ B--, + ?@ - @+@CA +G B@C@ +@C2 S) , - &' !!
8!>C+@@ (LM - BAD@ :-BA 5@,, ?@ +@ AD DC AU@2 , 3)BA.O
E-U 2 AD -,@ .@ +- .-- +- +B@ -,@ +- B@ E@ SS +
G@ C@ - .@ ;KM= . . C .0 < 0 4 " LN " @
! A- E->+ +- E@ + >.B+ @ @C , +B A.] AD ,, B @
+- J G B B--, .@ B@ .-@

8 U!,(2 5<$ 5-C? P --,,2 P Q --,@2
K%-,8,M2M U--,@2 ,0 -> ,,2 M Q U>,2 U-,@2 M <
->,,2 U>,,2 Q U->,@2 -- ,@2 B-,@2 Q < ---,2
K < -B>,,2 < $!(-B>,@2 @B-62 < B--,
^ / > , &&! +C--J2 ?>,+ +>D@) T B--, " - B ,@
3 / > *T) Q = 2#! ! +V +C--J f A 00 g&!) # >+
T .)! +C @? 2 J@CB -C . T D -A 2 2 T . !3B
.$!3" .)!3 +- D D@ @@ . . ! . .
B- , -C , C.@ A>?E@C - , B2 J-CJ- @ 2
B ,@ 2 @+ ?? A. +-.@+B@C B , + @@D A. -C
? .C + A. , - ' $, &&! ' -C 1" , &&! 0
, ;788 $) & "?.0 ;=ONP B@ ,,@ +B UU@C@ +B A B@CGA.
,@+@ A ?GDD@ +B@ @ A B@C@ -,@ , ;==NC & - *0 C$ 0
=PN O ! >,,@2 - G B@ 8 >, - G E2)(2 5$ - ' 0 4=KM? .(
0 !1$ ' % *2 -, - G B $ $//A .) ' 0 8;QM<(
QN B@G ^EC@ ?a JJ@C@ A 3 G A ? .B++ ! >,,@ 2 - +B +
>?+ ?@ +B@G EC@U@ , C.@ @++@ $&>) 8& +
-++ @(. &'0 ,& 0 8! ! (L;Q B C -?@ A ->C)C+B
A@ > ,, - B@ C AA. %4PKP # A $.!) " > &"0
8;MNN([NO 7 @ +- +B@ 7 @ + - +B- @ ,@ +BC@@ -C
->C@ B ,@ A U>,, 4PN< ' . B &"0 ;; ;NK AD
+B U-,@ - B -A+ A>@D +B ->C B J -C +B@ J @ -
B>@ -C E@@ @@U@ ;MNL 8 C - 1 &. 8;K<;(;O;
B@G G??@ A .C@ + --,@ +-.@+B@C SM-M 0
!C 0 OO AD +B@C@ +B@G ,G@ -C DG@2 , U@ ,@D >, 2
O@ -C@ +B@ E@, B A. 7 B ,@ SMSW) $ 0 X-- " @
+ +B@ ?->+B - , > -,@ - D-,JB A C> B A. >J
+B@C @C 4M=4 ! ' $ OP -CD A.
+- +B@ -A @?@A G- +B@ !U-,@ AD J, @ - B A. ;MPP
9 . ' ! 50 8 MMX(;Q) $@J C@ +- +B@ $ @C2 B@C@
G-> B @ @@A +B@? +- 7+? A U>, -C !B- ,@ A +B@
!>??@C + ?@ ;99h = . 8 C 0 0 + =NO !B- ,@ - 5)
+B + , D@ >AD@C+B@ .C@@A 7 @2 A ! >,,@ +B + - + O AU
+B@ ? D !@ 4M<L " C)) %0 $. !0
J-,2)+ ;OQ B@, ++@C B->,D A-+ B +B A @ .B+G ? ,@
- +B@ %- +2 ,@ + +B@ ! B-,@ - "@CC A. B->,D E@ A+@CY
C>J+@D ;QM< & &) < 0 ? (8@D Q(2 LKN .C) +
!B- ,2 -C2 +B@G ,, +2 ! -- - &, B CD 2 ?@ ?Y
? A. 2 A+- +B@ " CE->C 4Q<[. A O@,UA J 0
23 $- * 6) 84Q<O(=PN B@ @ B + U@ @ B B>,,
+ JC-J@C C @C S! J 7 (C$* " & - C
8;KOQ(LM C@ + U>, -"B DD- U2 -D AD, A. ;KL<
* - $! ON B@ .C->J 2 B@CD 2 -C T J --, '2 B B
C@ -C?@D EG +B@ J@C? B ,@2 C@ - + - U AD 4KML
. . ' ! 3 '$) $! OKP B@ ?-,+ @?E,@ A
>,, - C-? -C+G +- @ @A+G +-.@6 @C 4KK=) &)
: A M= + T B--& - J-CJ- @ . ?E-,, A. A ? D - @ A
/ $' %0 +C--J2 C- D 8- J@C -AW(
, C.@ A>? 7 2 ? 8- A A ? +@ +B A. (0
E ,- U2 -?J AG 8- A ? , (
;PPP ' ;;2 m;PPK(/ * E2 E->+ B ? C-AA@ -

jjj G-6C --D A D->E,@ J G) A U J 3A.KU 9)@ 4[,
M;Q * $! $ ' " - ") $ E 1 %& - $ 1 $
,$')-]0 PML KQ - L 0 (8;P<M(KL O >,, -
J +>C@D E- @ D D E AD2 E->+ +B + ,-+B -?@ .B+2 1 0
KP S B0 G->+B A U>, D- U@ AD A? +-.@+B@C 4PMQ
& $, " * - $DC 2 ! - .C@ +@ ! >" - ?
C-> @ &?AJB,@+ B >@ - JC@- >JG@D +B@ @G@ 2 AD @ C@
- ?@A2 +B + ^@+ a 4P<L O 3 . $ 2 , @ CC A+
B@@ B +B EG +B + C+@D ->@G - O> U 2 -C C-> @D %++,,
- &B@! A+ . ,,$ 0 % (+ 8;K=) L=K
7 B@A @ D J +B@? ^-G +@C a A ,A@) C2 @ ? G2 -C > @
+- -A@ E +2 D@ ->C , @ B-,@ - , ++,@ A ? , ;KPK
9 " 7 ! ' > ?&2 2; L ! ++ A. N;(+B@ C E@)
EG +B@ ? C. A - J-AD +- @@D B + +B@G ,, +B@ B--, -
D> U +B + . +B@C C->AD +B@? XKMX / > (.. ; D) $ 0
%% 3 S ;<= B--, - B JJ-J-+ ? SKK- - O= -
;N L B@ 3 ,@ @,D + JJ,@C ^J .@-A a2 B B % " A B--,
JC T U + -C B->C .J A + A-+B@C B--, ;K<= 7 R
, . <&! ' ! , =K< --U + +B + B--, - . >,,
G-AD@C
$ $ % $! / , $ &, !!$ $
! / ! /
& 3,& ! E0 0(2 1
2 /
D * ,(= `R
/ / 1 $
;KK= <) ! @+ $ 0 0) ' -0 LQO B@
? ,,@C B - +B@ J@D@ H , $ '$ &, !!$ $ C@ ,,@D
?J,G T O " -C T) ! B--, O 2 1 0 ON4 !+ ,, A-+B@C
, - B UA- A T 4V@@J +@C %-D 2T U?U %-D
AD !JB--, %-D 4KQM <) & ? - +
B@ ? ,,@C B-/, , B@ KK ! - 7-#J C 0
0 $! =N B@ + ?@ - +B@ JJ@ C A @ - +B@ , 9(
BA JJ@C +B@ @ C,G J C+ - >??@C SK) = B) ' Q
*& > 8;KPP(;<K B@ T B--, (CU D@ ,+ +B
E- @ O>+ +B@ T .C@G A>C @ -C -,D -6+?CG B CU B@
B--U@D2 +B@ E,@ >+ ^@+% a ;K=N 5 / $!Q
' &"0 ;QM ! B--, 7 B ,@2 >J-A E@) ++ U@D EG
+B@ E- + 2 C@*@ +@D C-? B@C +-? B E-AG B
8 U ,,(2 C3 =/ ? O 1@3
^ 1 0! % ,)! ' !]
$' 0 - J>+ -C @AD +- B--, +- @D> +@
+ B--,
[]^^ 8 ? , 0 0 O= E A & ' "
! B--,@D A +B@ A >@C + @ - & C @ (. o 0 0 0 0
;QL 1 @+ B@@ .@A+,@2 A@>@C B--, D2 AD G@+ ,@ CA@D2
>,, - A-E,@ D@ > @ SK) 0 0 ;LK B@ A>?E@C
+> ,,G D --,@D A +B@ !+ +@ B--, A- ,@ +B A
O2NO;2=O= SKW- &0 ' $!5 0 O;; " - B@ 7
E-CA2 C D,@D2 B--,@D2 + , - +@D2 -,,@.@D2 AD +B@ , U@
OKM< . 0 +2 3 G +B@C E@ A. .C@ +
D? C@C - ,@ CA A. @A+ ?@ +- E@ ! B--,@D + @C+-A
;KK= . . C ! $;L .B+ B ,DC@A +- E@ B@D
AD DC@ @D AD B--,@D D ,G
/ - B @ ?@?E@C - -A@ B--, -C @ +
4PQN < A &!! , (?0 0 ?$!!0 ? &$
8;KMQ(; ;P + @@?@ 2 EG G->C D-GA.@ 2 +B +%C@ @D D-+B
--,@ G@2] &@A@,-J@G @C+6@ C@ D@ A@ ->+ - +B->.B+
4!QQ ' ' ,0 , , !0 0 8;M;<(QL B ? A C +
B--,@D EG ,@A+ A>

K -+@ B +B >J@C -C +G2 +- +>+-C 8: (
+ A @ C,G > @2 +- ,@ +>C@ 2 D?-A B2 C@JC ? AD
' ' 3 31.0 8% ?D@A(S- B +B@
, +B + +B@ @,,-A, ?@A B @ + U@A +- B--, AD -D@
?@2 ,, ->,2 , ;PKM K C (> 2 3 ,D,G +B@
.--D2 -D B--,@+E A +B @ ;P<O A 5- ,@C 0
0 0 0 8# " ! (;MN !B@ ^8) , X a B--,@D /C :-BA
$ A-,D -C B -E + A +@ JC@ @A@ SM-M: 1
&!& - &'> &!$, SS <; " @ B@ CU@A@D +- B ?-+B@C
B@A E@@ B--,@D B ? SM - ' 8) \ 8.
&)' 1" $' = $ 9 G B--, > A-+ -,D ? A2
-?@ - > C@ +-- -,D +- ,@ ? M - . *$'0
) $ 0 " ' 0 5G >J-A +B@@ B JC-JB A@ !0
--D / - +-C2 D-@ A-+ B--,@ ?@ 5-C ?>,+ G-> C@ A-+
C@@ C-? ;MO= 1! " & %) 0 .S " @ B--,@+B
AD +@ -A@+B +B@ &-J@ J, A,G XSMWQ 3) 3 @++
8;MML(G B +' ?G , AD,-CD' >,+2 -C B B B ,,
B--, B ? ;MKQ) ' C 0 ? LNM +A- @? A
-C G-> +- B--, G->C B ,D2 AD U BG -D' A- A+@D
B@ C@ ,@D ;M<;] V 0) 3 G -C?@C -CD2
C ? # ?-AD2 ,U +B@ $->AD % ,, -)@C +B@ ?@ 2
AD ! B--, +B@+ CDG !JC .B+ $;QNN O 0 $' 0
2(, &&!> - (B D B ? @ @C@,G ;Q;N 7 3
C& - " C! $ ' " 0 ;QON =OM ! - 3 @C AD 3 >A
D>A.> B--, +B@ ?@ 2 AD C +@ A C>..@D &C- @ +B@
$>,@ - - +@C $BG?@ 4Q=M . . & 0 $' & -
S, 2 B@ D- +-C A A +@,G >CJC X@D +- AD B ? @,
B--,@D EG -A@ - ?G JJ@ C A @ AD C @D2 " 6 J-A ?G
-CD G-> C@ A +B@ C .B+ ! C : SKXK 0 0
S ;; U@A +B + @@,] ?@ A +- G2 B@ C@ >?@D2
B@ U A. +B@ CC + + -A B@ @,+ +E@ A. B--,@D2] D J, A@
- +B@ ? AD2 B B +B- @ ?- + C@ DG +- E@ +- + -A -+B@C 2
D- +B@? @, @ ?- + C@,> + A+,G >E? + +- C@ @ @ ;KMP
3 7 N$ - 1 A+C-D ;L 3 AG ,, JC@ @C +- DC
+B@ C - A -A ,> -A C-? +B@? C +B@C +B A +- B@ B--,@D
1 " >
+ E - . @ ,@ -A +- 8 J@C -A(EG J>A BY
?@A+ +- B + @ 1 0
$;S__ < "$ 0 0 A 2 : G +B-> C+ +-- JC@Y
>?J+>-> 2 AD +B@ - @C B ,, B--,@ +B@@ ;P<P &, ' '
" 8 OP B@A , @ B--,@ G->2 @C@ G-> AD @ J C+
B@A @ 8 B@G .B+a SM) -) & !$', &!" 2
U@ B@A @ +B@ .2 AD B--, B ? -C'+
! -@D> +@2 +C A 8 J@C -A2 B ? AD2 J- @C 2
+ +@ 2 @+ (+- C@AD@C @2 U , >,2 -C +C + E,@ EG
+C A A. &5 D J, A@ # +@A $' %(D - -D2
+B@ @SJ@C) @ - , @2 >CC->AD A. A ,>@A @2 @+
$;P<4 " - 0 8;P<=(LK) - 2 ! ,-?-A2 >,,) -
D-?@2 AD B--,@D +B @SJ@C @A @2 , @A @D +- . >@
B @A+@A @ - +B@ B-,@ -C,D2 S)S 1 0)11
KPP 5-C B@ ? C --, D EG U AD@ ? ,, +B@ U ,, # ,- @
-A @G A @2 @G : 9 * * * ' .! P< +@D
- -D +B UA@ 2 AD - A-,@D2 AD @A, .A+A@D EG
B ? +B@C@ A AD +B@C@EG ;QPL . . A) 50 8;)L(
;M< +@ B@C - +B@ @A+ ,@ 2 B--,@D EG " @ @A2 AD B- @
8&C- @ -C AD? +@C :@ > %BC +B ? @, U I < .)
$;Q= ? AD A@ +B@C B--,@D EG JB ,- -JBG2 A-C
@A ->C .@D EG -A -> AA- @A @ SK M . 0
< " " A. B--,@D B A+@,,@ + A +B@ 6A @C + @
- + @ A + -A SK) !$) @ , 2 +B-> B +
E@@A A>C+>C@D +B +@AD@CA@ 2 AD B--,@D +B C@
SWWM B) (' 0 8;KPK(OO< B@G C@ +--
@,, B--,@D A +B@ +C 9 - C@ @C + -A ;KQK O-
$ $;;= ?-A. +B@ @ 4 A+B JJ> 2 -A@ B- B D
E@@J @,, B--,@D A C EG +B@ DJ>C E,@ +C A A. B B
+B@ !J C+ A D J, A@ + ,, . @ SKKK - 0(
& - % 2 0 S " LLQ O>+ +B@ ?E + -A - ?@C A + +@)
?@A B E@@A B--,@D +- ,- > -A + +>+ -A , B AA@,
E -D J, A@ EC A) ?D@C -A+C-,2 -CC@ +
8-A@ @, 2 -A@' ? AD2 @@, A. 2 +B->.B+ 2 @+ (
$ = 0 < , 0) " @+ & < '! 2 0 O ' 8 CE(
PK2 = B >@ @@A@ ? AG - G-> B B@ @C@ -A+ +- J-C+@
G->C @B @ + B@ +@C 2 B@A G-> J@C B@D +B@ E> @ -
+B- @ J, @ 2 B--,@ G->C @,>@ 2 AD - G->C - A@ -CD@
EB-CC@ &, G@ S -. $,10 , ;P 3 G D@@C@ +
%--X2 JC G G-> B--,@ G->C @, @ S+- 11 & - - 0
C d S, M B->.B E@ -C@ E@ " D B--,@D B ? @, ->+ - B
D)-) @C =KSL &. 1"+ S 2 - ?> + 3 + ,)
+C G J C+2 - B--,B@C D -E@D @A+ B@ C+ $ J> .
' $ 2 !B@ B D +-- ,-A. AD +-- -AD,G B--,@D
B@)@, +- ,--U >J-A +B@ ->+C .@D @ +B@ -A,G + ?
;K== 9 9) b3C3 SS LOM +@C +B@ C + B , B->C
- C B--,@D ?G @, +- +B A@ @S@CD @ 8C D A. DC- ?@Y
D CGa +B + ^@+ a ? %/ . 1 ? ! &' 0 S %, C
B--,@D B@C @, A+- C@ -,>+ -A +- E@ C + +B .--D
B> ? ->C $ >% < . $ '(0 S, - -AD@C
+B + /@C-A A- ? CU@D -?@ B CD@A A. A ,--U AD
? AA@C E) @C@ B--,@D D ,G +- +B@ >JJC@ -A -
@@, A.
% 7 +B D & , &&! 2" + +- C@?- @ EG
A +C> + -A -C D J, A@ "$ +0 & , &&! &2 '
+ V >ED>@ EG +C A A.
;KLL . &' T $' + 8;KL=(;<= + ? G +
,@ + B--, G +B- @ JC@J- @ -A - +B@ A G-C - +B@
+ +@2 +B + ->,D ,@ D > +- C@ +-C+-D , U@ > B @ D@A @
B@A - @C@D ;KML : 7 . - $ 8@D L(, ML -CD
$ -, A - B--,@D D- A EG ,-A. G@ C - , + - @
, E->C +B + + B- U@D B ? +- @@ ? A E@ C A. A- >A Y
-C?2 G@+ C, U@2 AD C?@D +- +B@ +@@+B ;KMQ . . 1
& '0 ?$ " <N +B-?@ B@ B D B--,@D B@C @,
D- A A+- I> @ @A @
D *$ 0 - E@ @D> +@D ' 8 @C+ A E@, @ 2
@A+ ?@A+ 2 B E + (, - -A + ' %0
$ &$ = . . A & ' ,& 0 PO< 7 @ B @ E@@A - B--,@D
A ?-D@? @ ,@ + ,JBC @-,) G+E + @ @ @ +- C@. CD
+ A.>, C XKM 0 & " &) @ C @A -C C@
C ?J@D EG +B@ D- . ? +B@G @C@ B--,@D +- E@, @ @ B@A
+B@ -C,D 7 - ?@ D@ D@ +B@ G->A.@C
M - A + ?@+ -C A -C? 8 J@C -A(B- +- +
+- +@ B 8 J@C -A(B J C+
' 1 . * ($!(3 G OOQ ! - D --,@D +B@ +@
^.- +a B@C A+-A -AA@ B + A @CD 9 ?-+B@C2 ,,
B->,D E@ D-A@2 ' 0 0 Q< + A & ' "
7 B@C@ -C@ + E, X@D A C@, AD2 +B + +B@U,A. ^ " @A a
B D B--,@D E- @ +- + U@ J-A B ? +B@ @ C,@ - 7 C
U@ A ?@ =P<M $ - 0 (+ < O>+ C B@C@

> O$

%-?@'G->C'E-GZ @C@'.--D'B@' @C@' B-- D' ;KQ=' " '$ '
.)'"& ''?$*(, '==N "@CJD ' B--,@D' - ,-?@'
A'+B@'J C+' B@' '+-'J, G' KK)'!'%'' .' & * , '
'0Q4'! B--,@D'EG'?G'.> D@Z +' 'A-+'D E >,+'+-'C@ @'
+B@' @A@'^@+ a
1' -'+C A'-C'@S@C @'8 'B-C @('A'?- @?@A+
4KM<;9 !')8)Z .' 0'5' (SSZ B@' G'G->
B D' B--,@D'B ?'^'B-C @a' ;K<N' $!"' 2 'OL'/@ 'O ='
'!-?@' @,,UA- A'B-C @'-A'+B@' " +' C@'E@ A.' B--,@D' -C'
B>CD,@'*>?J A.' SKKS' I' ') ' :' &' '@+ '
)'& C+' Z " - '+-' ! B--,' '"-C @' B@' C,G' D> + -A'
-'+B@'"-C @
E ' ' 0 -'C D@' +C .B+' C- ' ->A+CG
;KKP' ! '= JC'=OK O 7 @' B--,@D' E U'+-' +B@' &--C'
B-> @' -C @Z AD' ' ->J,@' -'@A @'- '+B@' -CD@C' A+C +@'
B D'+-'E@'*>?J@DZ >AD@C'+B@' J@A ,+G'- ','-A.'C->AD' S!J'
!1 L'< JC');O O @+' ?@'DC ' 'D C@@+' @,'- @C' >ADCG'
+'- 'C@A . A.' AD'C@ > A G'-A'+B@'J C+'- '.--D'B>A+@C'
AD'.--D'C D@C Z -C' A'@ @CG' ->A+CG' +' ,,'E@' ->AD'+B +'
-?@' @ ' @,@EC+@'- '+B@'B>A+ A.'B@,D'B @' 'C--+@D' A+Y
J +BG'+-'T' B--,A.'g
Q' $- ' -'C@ C'8 'J, A+(' A' 'A>C @CG
4<NO ' $) $! ' $- ';OO' B@'G->A.'- @C '
B->,D'E@'+ U@A' C-?' 'A>C @CG' A' B B'+B@G'B @'E@@A'
' B--,@D',-C'-A@'G@ C
! '8 U ,(Z [/ 5-C? ' @@' (/' ^'
(' 0' -' -,,@ +' -C' ?'+-.@+B@C'
A'T' B--,'"-C' B- ,'8-' B(' &' , &&!)*'+-
-,,@ +'-C' C- D' ,- @'+-.@+B@C' +' -C'A@ C'+B@' >CY
@'- '+B@' +@CZ D'- ' B@
;P<Q' ' ' ' ,.-&) 5& 5>+,- ' B@'"@C A.
@,D-?' >,,Z E>+'-A' '+B U'? +G'?-CA A.' SM-M!'< R
'?.0' '0!' '=P 5 B@'-'@ B'U AD' U>,,'+-.@ +B@C'
4Qb' B). '?'C !($' 0 4 4 4 'OM=' @+'+B@' 7 AD'
E,- ' B B'7 G'+' ,,Z+B + 7 G'+B@G'^ 'D@ D' B ,@ a' ,,'
>,,' '"@ DZ+B-'C .B+' A'+B@' G@'- '+B@' 7 AD' 4KQL '^ @@'
. 7'**E'$@' AD' 1!0 10]0 $ &'<) !' @+ ' $(
(D)$,' '-(LQP'1@,,- +?, D-'A-+' B--,Z E>+'
?' A.,G'-C' A'J C' 4K<4 ')*' 0 ' ' 3@AY
B D@A'D-'A-+' B--,'>J'>A+,'+B@'E@. AA A.'-'+B@' >??@C'
$ O>' : 1. 7' $*0 &) (' ;P=' B@' J, A' B--,@D'
-A @'?-C@' +'+ , .B+
! B-- , E,@' ,=J$ 4(3¼/'$0' $ (0?' (

+, '% J E,@'- 'E@ A.' B--,@D'-C'+C A@D' 0
4!<='# M')$ +' 5$-0' ' '8;P<M(LK' ?-A. +'
E@ +'-'-A@'U ADZB@' B B' '?- +'! B--,@ E,@' AD' U,?,'
' >B'E@ >@'B@'B +B'B 'EC A@'E@++@C'+@?J@C@D
/' #'JC-J@C' .@'+-' ++@AD' B--,
;K=;M ' 0 (';LK A' ;KL;' +B@' A>?E@C' -' B,DC@A'
E@+ @@A' +B@' .@'- 'Q AD' ;=Z +B@' JJC- @D' B--, E,@'
J@C -DZ 'O0N=L2NLN' ;3<' , &' ;P' 3 C Z OPN2NNN B,DC@A'
-'T' B--, E,@' .@' ;KKK' *0 E(' @ &-- &' '),(
;KKM KQZ P< B'+ S J G@C ->,D'B @' ' C',@ 'E>CD@A'
+-'E@ C A'+B@' -CU'-'.@++ A.' ,,'+B@' ' B--, E,@c B,DC@A'
+B A'+B@' B--,
+'! B-- .@' 5-C? 'M' --, .@ZQ' -6 .@Z
-B-, .@Z B--, .@' ^' (i' C' %'
?@D ' ,&!$)'"'#5' ,&!$ 0!
' ,(B@' @@'J D' -C' +> + -A' +' B--,' , -'
, &&!$ 3% (
4P+ S' ,,0 0' ' $ 0(,&0 'O=O +@?'+B@'
SS +' @A'G'-': A> CZ @AD' +B'7 ,, ?' ,C@ UG'+-' 3 +@C'
/ D'7- +' -C'B ,' A@')@C 'E>CD' AD' B ' -, .@' @@'
+' B '@A+C@'+B 'D G'+-'+B@' -,@' ;MNL' ! ' ?) '
,(8;KKQ(' ,- ' AD'+BC@'J>AD' ' * ' "'D'+-'E@'J G@D'+-'
,U' A@' -'+B ?@'E@'+B@'? +@C' -'+B@' -,@)' >C+B'-'+B@'
@S C@'- 'B ' -6 .@'? C'A-C' @' C+' -AD + -A'+@'+-'B ?'
E@'B' -A+C +' ;MNQ' A': ' C A+'?) 0 , 0 ,&(S '
8;KQM(=MQ OC A. A.' +B' +B@?' ^+-' B--,a' +B@ C' I> C+@CA'
B-, .@' SMM' ! ' '?) ' ,0 8;KKQ(' 'OLK AD' +'
,E@'E@', B>,' -C'+B@' D' ? +@C' B-?' '+-'+ U@' -C'
,U'+- A@'E CA' A' B--,@ .@Z@ B'I> C+@C'- '+B@'G@ C@Z
S' B ,,A.'@ .B+'J@AAG@'! -++'?-A@G
/' A+C> + -A' A' B--,' '+B@' @C @' - '
B--,? +@C
;MNL' ' .)'C!) $, >' & 0 =P=' 1-> C@' @,'@A->.B'
@C @D' AD'C@ @ @'D>@' 3 A@C ,' -C'G->C' B--, .@
!-B--, CZ'-E '-C?'- ' ('
'! C S--, + #a' 1(>>' ^' (' i'
- a' ! B--, A.Z @D> + -A' +' B--,
4PQP' ' 0 8;KQ;('OO' B +'+BC--.B'.--D' --, '
+-A'E@ ?' X' -C? ,,'A'B ' + -A' X' B D'B@'E@@A' 'EC D@'
.C--?'AD@@D
! B--,'B- CD ' 7 +' (KE_ A' A., AD'
AD'7 ,@ ' C-?' ;KQN'+-' ;<NOZ AD' A' ! -+, AD'
A@'@;KQOZ 'E-DG'-'J@C -A'@,@ +@D'EG'+B@' C +@Y
J G@C'- ' ') B--,' D +C +')' AD' B C.@D'EG'
+ +>+@' +B' +B@' JC- -A' AD' ? A+@A A @'- '
> @A+' -??-D + -A' A' J>E, ' @,@?@A+ CG'
B--,' -C' ,,'+B@' B,DC@A'- '+B@'D +C +
A' A., AD' B--,'E- CD' @C@'@ + E, B@D' -A,G' A'D Y
+C + 'A' B B'@+B@C' '? *-C +G'- '+B@'C +@J G@C' JJC- @DZ
-C'+B@'@S + A.' -??-D + -A' A'J>E, '@,@?@A+ CG' B--,'
' -A D@C@D'EG'+B@' D> + -A'/@J C+'?@A+'+-'B@' A > Y
@A+' B@' D> + -A' +'- ';NNO '\(, B@D' B--,'E- CD'
A' A., ADZ AD'+C A @CC@D'+B@'C D>+@' AD'J- @C'+-'+B@'
%->A+G'%->A ,
A'!-+, AD'+B@C@' ' ' B--,'E- CD' A'@ @CG' B--,'D +C +'
8 B B' '> > ,,G'@+B@C' 'E>C.B'-C' 'J C B(' OG'+B@' +'
-';KQO'+B@' -A+C-,'- '+B@'E>C.B' AD'J C B' B--,'@+ EY
, B@D'EG'JC@ -> ' + Z ' @ +@D' A'+B@' B--,'E- CD Z
B B' C@' ,-'C@I>C@D'+'-@ + E, B' AD' ? A+ A' > B'
DD+-A ' B--,' ' ? G'E@'A@@D@D
;KQN' ,'LL' CL=' (ZQP'e';N ' +B@' D> + -A' /@Y
J C+'?@A+' C@' + @D' +B +' ,,'+B@'J>E, ' B--,' -?Y
?-D + -A'C@I>C@D'Z B 'A-+'E@@A' -' >JJ,@D'+B@' D> Y
+ -A'/@J C+'?@A+'), ,,' >@' ' B--,'E- CD' +'E@' -C?@D'
-C'+B@'D +C +' ;KQL' 'LP' ')' 0 'MO'm'K ' B--,'
E- CD' B ,,'E@'@,@ +@D' A' AD' -C' B' AD'@ @CG'J C B' AD'
E>C.B'^A'! -+, ADa' ;KQM' - 8 ' C&!0 ,&'(';;'G Z
8@D' (OL=' ' B--,'E- CD' ' @CG'C C@,G'@ + E, B@D' A'

->A+CG' J C B' SKK' 3 ' .)' (' 0% @+ ';L;' 1->'
+@A' @@'+B@'! B--,'O- CD Z ? U+.'+B@'JC-.C ??@'- '
+B@ C'@,@?@A+ CG' B--,'+-J' ?E+->
$ 10 ';K<;'9 -' $' $! 'S Z , 'A-+'
'A @' B,DZ E@ A.'J> @D'>J' +B'? AG' B--,E- CD' @C+Y
+@' -C'.--D' -AD> +
! B-- , --, ' ^% ' ' ,)!1),.!H
' 'E--U' -' A +C> + -A'> @D' +' B--,
Q>>O' B ' C ' 0 4NL' 'J +@A+'^ a' .C A+@D'
B ?'+-' JC A+' + A'! B--,E--U' SK)' ' $'0
$ ' Z " 'E>AD,@'-' B--,E--U'B A. A.'EG'+B-A.'
4KPP' '? &&.'<' A'->C' B--,E--U' @' GZ' B@G'
->C B'D'+B@A'-C'+B@AZ
!$ $ 1(
4QP;'C&*>' . 0(* !0' $ ('QM'& "'5>,,'-' B--,E--U'
JBC @' AD' A., ? ' SK '%' 8 * ' 0 OQ -' '
% C>' % '8;K=Q(PPK' B@' E>AD A @'- 'G->C'- A'J@C -A ,'
, E->C Z AD' -C'+B- @'@A. .@D' A'+B@'! B--,E--U'!- @+GZ'
? X@'?@
/' A' ->A+ E--UZ'C@. +@CZ @+ ' E@,-A. A.'-C'
C@, +.A.'+-' 'J C+ >, C' B--,
4KQN ,'LLL=' 0 'QP'e'QO' '+B@'? A .@C'-C'+@ B@C'
-' AG' B--,'C@ > @ +-' ,,- '+B@' A J@ +-C'+- @S ? A@'
+B@' B--,'E--U' AD'C@. +@C
! B--,E-G'8 U ,E-(' ^' .' N' V
' 'E-G' ++@AD A.'-C'E@,-A. A.'+-' ' B--,
4PKK ' 0' 0' 0' ')0 =NL' #' 'A@>@C' ,,' '+C>'+'+-
J@@ B@'J@A'DZ -C'+-'+B@'?-+-A'- '! B--,@ E- @'+-A.>@'
SM--'] ' 0' "0' 0' ' >';=P' 4!<<0':-)# ' "' $>' ' 0
' Z /@ +BZ B +'+ ,U@'G->'-':>' @ CA A.'' B@' AD@C + AD'
'A-'?-C@'+B@A' ' B--,@ 0-GZ);MP=' # ' ' $!'C 0
KN @CG'! B-,@ E- 'UA- ' +' 4QKK B ' *0'$ 0' (
$ ' . 0 4 'LQ'! B--,E-G' +B->+'+>+-C Z? A-C '
+B->+ .> CD A ' ;KSL' B ' A' &. C$* '= 7+'
=<Z ' B->,D'.-'+-'+B@'+' U',U@' B--,E-G' KKS' 8 '
C $ ')0 ' 0 ;M=' B@'?@C@ +' B--,E-GZ +' 7->,D'E@'
+B->.B+Z ->,D'B @'D@+@ +@D'+B@' E >CD +G- '> B' '?> '
J .@
O'$ 10J A.' A+-'$ B(' , -' , !1&"3! .' D*
;MKQ)' ' %0' " "M B ' .C@ +' JC@+@AD@C' +-
@ CA A.' B 'A-+' +' @A->.B'+-' ? U@' A' ,@ -CGZ E>+'
-, +@'+B@' -??-A' ! B--,E-G' $>,@' -' @A @' ;QSL'
E/ -' * ,0 -'POL'J'O 'J C @,'-'! B--,O-G' ,@ '
4Q<K B ' ') - 'XKZ '%,- A' '?AD' B@' B--,E-G'
D G Z $% /' '= ' !''& '<!' & ' 'Q= ' AA-+'
B@,J', >.B A.' +' B ' B--,E-G,U@':-G' A' B 'A@ 'J, GY
+B A. ' SKS' ' 0 $0+'S Z#C' B--,E-G'3 DY
B J? A'+B +'!+C A'E ' BC ,'J J@' '.--D'-C' 6',)+D@'
SK)' ' $'0 $ 'SSSZ A'B 'E .' B--,E!GB ADV
C+A.' * , $ &' ;P' # +';LKN' B ' >C->,G' B--,Y
E-G' G'- 'A >,+A.' ' -C@ .A'A + -A
"@A @' ! B-- B-G - + ' ! , - -),E-G, --DZ +B@
+ +@' -C' -AD + -A' -'E@ A.' ' B--,E-G' , -Z
B--,E-G' -,,@ + @,G' K-B-- 6(-G ?Z + -A'
#C' -AD> +' B C +@C + '-' B--,E-GZ
;KLM' ' 8)' 0' % 'SS' B@'J@D A+' B--,'
E-G ?'-' ,,A.' 'B-> @ U@@J)' 'AG?JB' 4KP= 9 8
A' % '8;KK;(=LM B@'C@ -,@ + -A'- ' B--,E-GB--D' ;KKN
$' '9 ' "3 $"' ' 'OQQ' B@' C +'.C@ +' A.Y
, B' .C ?? CZ+B@' -A@'EG' B B' B--EE-GD-?'B 'E@@A'
8) @,G' -JJC@ @DZ ' C ++@A'EG' A' ?@C A' ;K<L'
-*!'?$>6 [0;L<'! B--,E-GB--D' B J@C'D@C -A
!)--,E-G ,'8)b,E- :(Z' ^' .
+' !"a' ! B--,E-G U@
;KL;' $ ' $0 'OQK ,,'+B 'E@A.'A-+'J C+ >, C,G'
A@ 2 AD'C +B@C' B--,E-G B' +E E' ,$ -"' 5@E'
;;O' A'@? A@A+,G' E--,E-G B'+-CG
! B--,@C) '8 Ub ,UC- +(' $, 0 ^' .
"'N' 6 V' 9A- ,@D.@'+ >.B+' A'+B@' B--,
;ML< 0':-!#' ' 2' '' ',Z "@'B '?@'B 'J C ,,@' A'
+' AD' E--, C ' 4KLK 7'Q 3 7' !$-1 $' 'S!G'
U@' C@'B- 'G->'J, G'- 'G->C' B--,%C +' A-+B@C'+?@'
>J-A' A'-,D' -,D@CZ S ' ' 0' & "' 'OQ;' " D'
'E@@A',@ 'D@ -+@D' 'E .-'+-'+B ' A' B--, C +Z B B'
@' +B@'3@D ' C+ ,' ?.B+'^@+ a' SKM' ' 7 .
2'0S' Z ! B--, C' +' AD'B-A@ +G'A@ @C' @A+'G@++-.@+B@C
!-B--,DZ' C A+'- ' .)!' B ,,-
! B--,D G'8 U)C D)(Z ^' .'; QN !V
'*0 B@'D G'-C'J@C-D'8-'-A@'', @(' +' B B'
-A@' ' +' B--,
4!<N ' 0 0?'+'ONO #Z ' ,,' -C.-+' ' ,'
B--,@D @ ' C@AD B JZ B,D B--D' AA- @A @' 0)=']'
,,0 !!"' 0 ;M)' @+ BG' AD' G CD' '+BG' A?A@@'
BG'! B--, D ,@'C .B+ >,,Z' BG'JC ?@'- '3 AB--DZD C A.'
$>0 ' ' ! ' $- !$' $, ';Z A'?G'*-G >,' B--, D G '
$9 /')' . B 'A' $2' *0 ;N' JJ'% @'LKK A'
B ' B--,D G'-C'A'E '.C- A'>J'D G
$ 1(SK)' ' .&' ' 1"' ' Z 7B@A'+ -' JB--,'
D)'C@AD '?@@+' +'+B@' ,- @'- '+B@C' -,,@.@' C@@)
O 'D G'-A' B B'+B@C@' B--,
;KPL' 9 ' !!$-'&'%' ". $-'OLL'#A' B-,@' B--, Z, U@' AG'-+B@C' A., B' B--, C,Z
D G Z?-CA A.' B--,', +'C-?'Q'+,'K ' ' ?DD,@' B--,'
C-?'<'>A+,'A--A'@ @A A.' B--,'E@. A ' +'OZ AD')AD' +
90 ;KPQ' B7 ' &-'?&2 " ' ' B-,@'W B-- '
D G' &)! ->' &)' '< ' 0 $(/@ ',- '/>C A.'
+B@'B-, D G Z-C-A' ' B--, D G
! --, D 'A@' f' .
" ' ' ,,!0'C& ' 'S'e'O B@'.C@ +@ +' ?-A. +'
+B@'! B--,@'D >A@' '+>DG A.'B- '+-' @+'D- A@'EG'@S +'
D@ A+-A'+B@'A +>C@' 'A'B>? A@' , @' ,->AD'A-+' B B'
G'E@++@C'+-'D-' +' +B@A' A'+B@ @' -CD '^-,,- SMSL'
' $0 ' !'++,@ J Z %-,,@ +@D'->+'-'+B@'B-,G'
! C J+>C@ Z A @A+' 5 +B@C Z AD'! B--,@ / A@' ' ;QLQ'
' '* 0 ' Z ;NO A'F>EE,@' A.@,' AD' C BY
A.@,'*- AZ AD' -D'+B@'5 +B@C'+>CA' '! B--,D A@Z ;KMP'
&>!01') ' 0 (O;=' 7 B +' B--, / A@' ,'&-'
+@A+ 'JC-S ?
! ,,# # , D ,) ' B@'C@, .->'JC A J,@'
AD'D- +C A@'? A+ A@D' AD'+ >.B+'A'+B@'! B--, Z
-C'EG'+B@'?@D @ ,'?-C , +' AD'D A@
4P<= 8')$ >' 5$-0' ' S'8;P<M(;O=' B@'+C>+B'
-' B--,D A+G' EB-CC@+B'? AG' -CD' SM M' !' '
*)' $'' 7N' +' '+C>@'S-?@'A' B-- @ / > A +G2

+B + B + -@>@C' J-U@A'- ' -D'E-D ,GZ ?> +'E@ AD@C'
+#-D' .>C +>@,G' ;QSN')) ' 3 5$- ' ' -'=
'' B@'?- +'E +C> @' AD'JC- ->AD'+C +'- ' B--,D A+G'
;K=N ' 6 '6 '8;K=;(;=N' " '8/ A+@'('@D> + -A'
+B@'E@ +'+B@A'.- A. '?> B' B--,D A+GZ CE+-+@,@ A'
,-. Z -?@' + A' ,
O $
$' C' *)
;PLK') .' 1 0 0' $''=NEZ 3 CU@'B@C@'B- 'J +'
,,' B ?@' >C@' -,@'D- +->C' C@' OPMP':' 8 .' *!0 $ 3'
''O)< B@'! B--,@' / - +->C' AA@' A'A-' @' .C@@'
+B@C@' ! -+> ' . A +@' B-? '^@+ a' ;MN< . '8/->G(
4 , ' ' AA-+'PKQ' 7 B-' -'D@ C@+BZ ? G' @ C B'+B@
+>D.@?@A+'- 'A @A+'5 +B@C Z AD' @@'! ' B-? Z AD'-+B@C'
B-,@'/- +-C
'/' B@'+@ B@C'- ' ' B--, ' ,(' 1 0 $ (
4QLN ' ' "' %' ' Q' B@' B--,D- +-C' ' -A'
J>+' 'J J@ +-JJ,@' A'@ B'- 'B 'A- +C ,
B@' ?@ , ++@AD A+'- ' ' B--,' @ J' '
?@D ,'JC ++-A@C' B-'C@ @ @'' S@D' ,CG' -C'
B ' @C @' A' ++@AD A.'+B@'J>J , ' B@A' ,,'
> ' 8 Ub ,D<?(^' ' 1" 3
/#3 a' B@'D-? A'-C' -C,D'- ' B--,'-C' B--, '
+B@'J@C -A Z +B A. Z AD' -AD + -A' -A @CA@D' A'
+B@' C'- ' B--,W
;KLM' = ' = 6)' "'<& %$ ' A' 0' &) ' 'L<L'
'G->A.'. C,Z*> +' C@@D' C-?'+B@'+C ??@,'- ' B--'D-?'
SK)'= ' ' .)' !&' ' Z ' >??-A'+-'T'+B@'+>DG'
' A'@ @A+'- 'C C@'- >CC@A @' A'+B@' AA ,'- B--,D-?Z
;<NL)' * , $ &' OM :>,G';;N' B@' @A @'- ' A'*> + @' A' +B '
J C+ >, C'B 'J@C?@ +@D'+B@'C AU'- B--,D-?
') ? ./ ' '$(^' ' &' i'
* c.' G / / ' $
L JL' # ' ' 0 0"' &!)-1)'S,Z B ' ,,'
B--, ' -CE@ C A @' 7->,D' >CJ ' OKQQ . '< "'
C$ 0 2' 5-C.@++ A.' AD@@D' A' +B '-A@' ->+E>C +' ,,'B '
,9:-,@D' C@+@@A @'XK+'I' ') ' , &&!3 $'' '
%& ' & ';ON' +' 'A-+'A@ @ CG'+-'> @' ' B CJ' J>C'>J-A'
' B--,@D'B-C!@2
/ !$ ' ' ' 10
? G42 $ 0 K$ ' -QC 1'* ! .'
B +' B B' '+ >.B+'A' ' B--,Z-C' 'A' ' B--,
;P<; P' 1 ' &!0 !&) '%&O ' ,@D'+->A.Z >? B+' +B'
+@ C?@'- ' C+' -' C+ - ' B--,@Z E>+'%->C+ @C ' B--,@CG'
OKNQ' YQ .)V' & 0 *'&%' &&!'OMM' $@ C'D' A' -,,G''
D@-+' B--,@C)@Z @CG' .@'+B>'E- +' + ' --,@C @' ;K<=
7 ' !'< ' ' 5, !! ','' ;O'#B'G->' ? G', >.B' +'
->C'D A A. B--,@CG'+'' ,,' @CG' @,,Z +'?> @'G->
1') = Y.$ KU' ' 1"'a'
UM'b?% '1 ' ' 2 1 ' '
' ' '1 ' $
A'@ C,G'>@' -?@+?@' JJ,@D'+D'-A@'' -A+@?J-C CG' +' '
>A @C +G
;==N ' '$' # 3 !' 0 A' '$5)-'8;KM=(;N !@J+'
L=N O 1@' AD' 1' B@C@' -,,@, >'!>?+G?@' +' "G,?)+@C'
X)' ' & >'E &*'$' J +'8;K<P(;<' B@' -B,D'
I> GA+ >A @'+B +' 'E@+ @A@'G->' AD' ?@' A'+B@'+?@'
-'->C' E,DB--@Z E@ A.'+B ?' @'+-.@+B@C' 4PK;'
'+C'<)$0 &>' 0' &' 0 '8;PKM(S' ' @A+,@? A'
-?@+?@'?G' ! B--,@ @,,J @' +' & D' B-' A' ,@ CA A.'
A-+' A @C->C'+-' A,@'! B-,,@C A'+B@'+'A >@C + @' ;MNL'
$-0 A' 'ONO 8;MN=' F- ('3G'+ -'! B--,@ @,,-@' ;MM<'
$ '= 7B' A'?),,!)' ' 0 8" +'3!!'%-?? ('H0=OP'
3C' @CA-AZ B-' ' '! B--, @,,-'-''?A@' OM<N '
),0' 'QN 8;MK<('<Q' B@'@?>, +-A'-'! B--, @,,- ' -+@A'
J>+' ' @' AD' AD> +CG' A+-'G->A.' D ' ;QKL' 81 ' $! Q
, &''LP' BG' E--,@,, Z AD'J C+A@C'-+'+BG'J, G ' OK=K
' $%($ 'S,,SZ B@'%-,-A@,''%->A+@A A @'
-C@')AG'E,> B@' '+B@' @'- 'E-G'- ' S+@@A' >?@'
B@A'B@' ' -A C-A+@D' +B'E ' +@C' ' B--,@,,-
" A K !-B--, @,,- B J
;QLL' 7-/$# %'?'8;K=L(' 'MOK' +' @@?'+B@C@' C@' -?@'
@C@+'C@? A'-' B +' @' ,,' B--, @,,- B JZ'+B +' B @'
,@D' B ?'+-' 'E@++@C' -J A -A'- '?G'E--U'+B A' +'D@ @C @'
;K=='!' $'= ')' & .' ;OK 7 BE' 'J@CB J '
E->AD'+-'B ?'EG' B +' '# +@A'+B@' ,- @C' AD' +C-A.)CC@'
-' B--, @,,- B J
') 9 ,$ K$ '
Q' ' ' 2' '$' '1 ' $
;KK;' ,$ -"'OO# +'LNQ !> B''?-A +@C'? G'J@C B A @'
@S +2 E>+' >C@,G' A-+' ' B-,@' B#-,>,'-'+B@?Z S--'
$!"' 2 ';M >.'M Q'7@'@A*-G@D'+',U@'' B--,>,'-'
B,DC@A
') 1 .$ $ ' 1"'1'
.' ' ' .
;KN< = . '<!'? $' Z' Z 5-C+>A@Z @ C@D' ->+' +B'
+B@' B--, C,''+C U' B@'B D'E@@A' J, G A.' ?@' 4KL['
= B. ' 0"'?& 2 !'6& ' &''5' @CG' B--,. C,
UA- '+B@',A@'T! C@'B D', ?@A+@D' 5-CE@'J D '
OK=Q ' '$'' ' 'S Z 1->'J, G' ' ,++,@)' ' @@'
E ' $ 10J A.' A+-' D*
;KLL' ' B ' 0' '8;KPN(KQ' 'JC-J@C' B--, . C,'
+-A@' ;K=Q'%' '6$'' " 'S Z -+'+BC@@'A'+BC@@'
+B-> AD'C ' BI-,. C,.- @CA@ @' ->,D'B @' A @C@D'
?@' 'G#>'B @'+> +D-A@
"@A @'K B-- ,.C,aSN-DZ+B@' + +@'-C' -AD+-A'-'
E@ A.' ' B--,. C,' !-, -- ,.CE ,, AZ+B@' +-A'-C'
-AD> +'-' ' B--,. C,' ! , -- ,.EC,G'$0 ',U@' '
B--,. C,Z B--,. C, B
OKKP' * , $ & 'ONSN O +' ' ,,' E >CD,G'? 6B' AD' B--,'
. C,G' OKK< T5' ' C$ $' ' 0 ,' +' A'+'A@ @CG' -'
B--, ,,+C,G' '+'> @D'+-'E@Z' +' ' OK<L' . 78)' %'
) . ' -"'K :>A@'=<P 0!->+BJ-C+Z +B'+' J-A.@ U@GA@'
AD' B--, . C, ?' ' >C@,G' -C+B'+>DG
! ' 8 U C .-C,*(Z $(^ !" :' $@ Z
@?E, A.'-S' B C +@C + '- '' B--,. C,
A %>'= ' B7 ' &'')*'$'!0 ;'<')'
. C, B' 'G->'B D'A@ @C' @@A' ' ? A'E@-C@' S-OS 3
)) ' * & !' 'K'7 B +' 'C-?A+' B--,. C, B'
A-+-A'

"@A @' ! -B--,. 6 ,? @
C$!!' $!!'<0 ;# # +' P ' B +' C +B@C' -E*@ + -A E,@'
I ?, +G' ' B--, . C,EBA@ ' 2 @A+ ? @A+ , +G2 -C' '.> B
$
' 'EA 7 A.' JJC-JC +@D' -C'+B@'A @' - ' ' B--,'
, -2 +B@' D @,, A. B-> @' JC- D@D' EG' +B@' B--,'
>+B-C + @ ' -C' +B@' > @' - ' +B@' B--,? +@C' -C'
B--,? +C@ 2 > > ,,G' ++ B@D' +-' -C' D*- A A.'
' B--,
;=O< L ' $- ' , ' ' ;OO' 6A ?' D-?>?' - + ?'
! - @B->!'2 ;POL =' , ' $ '';$!!' LO;' & D' -C'
? UGA.' D@A@' - ' ' B ? EC@' A' +B@' EE-++@ 'GA' -C'+-' E@' '
U-,@' E- @' -C' -C+B -,U@ ' B ,DC@A' ;PKL' '?*
' & ' =N' A' $ 'C& - ' G & - ' S, 2 3 +, AD2 3 @,'
,,2 AD' 3 + B@ @,,-> 2 @ CA@D'A@ @C' ? C' UA C @' A'
B-,@B-> ' ;P<N' 1 ' A0 'S';K' -'E >@'B@C' UA .B+
A+-'B@C' B--,@ B-> @' J, +@' B +'- 'B@C'B@ >@A,G',@ CA A.'
B@' ? .B+' + +@' SMS-' ' . ' 1 ' 8;MLM(;PM' +' ' A'
@ @' +B A.' -C' -A@' +-' E@' 'D@@J@' B-,@C2' G@+' E@@'
JC-A@'+-'DC>AU@AA@ '^@+ a' 'B@@'+B +'A@A@C' '+B@' A D@- '
'+@B--, B-> @' ;MQL' 5 C$* '8% ?D@A(; ;P' A'+B@'
/ - @ @' - '$ JB-@'+B@C@'E' ' C@@ B--+@ 'E>+' +B@C@' 'A-@'
J>E, U@' B--,B-> @' E> ,' +B@C@' -C'@, @ B@C@' A' +B +' / -Y
@ @' ;KSK' ' ' S' O>+' B@A2 @ +@D' -A' +B@'
E@A B@ ' - '+B@' B--, B-> @2 +B@G'E@. A'+-' -A'+B@ C',@ -A'
+-. @+B@C2 $@>E@A' ^@+ a' ;KQN' , LL' !' 0 ,0 QP' e' QO
'+B@' ? A .@C' ' -C' +@ B@C' - ' AG' B--,' C@ > @ '+-' ,,-
+B@' A J@ +-C' +-' A J@ +' +B@' B-- B-> @' -C' @S ? A@' AG'
B-, C' ;KQP' = Q.8 ' <h ' !& ' ' =P' " @C@'
C@'+B@' B--, B-> @2 J, G .C->AD2 AD'+@ B@C' 'D @,, A.
E ' $' %(AD))
%4==N 6$,&C ' !!'SS '4=Q J@' + A@?@' ' @,,@' - ' .,- '
+-AG@2 -C' +' ? G' E@' ,@JGD' E@' D@ @,G ' -,@B-> ' \' E@'
D@>@,G ' B J@,' 4P=' * ! +' "@C@' E@.GAA@+B' ' ,G+,@' E-U@'
A ?@D' +B@' ! -,@' B-> @' - ' -?@A')$'S)' ' &! - 0
<'8 CE (MO' C ?> D@' @6@' +) +' @SJ@C @A @' ' +B@'
- ? ? -A' B-,@ -> @' - ' - @ 2 AD' ,, ?@A' ;MNQ' '
. 0 0 OPO' " @' D-+B' C +' +C A@' +B@?' J' A' +B@' B--,@'
B-> @' - '" ' B>C B
' $ 1(
,';7 ' !* $1 '8 $! '7#9' " G?' B JJ@AD' @' -,@'
E- @' D>C@' -JJGA' ;MQ<' ' 0 0 * ' % !
$ 0 8;K<K(' =OQ' - ! ? ' ,G -C' @A+@C+ A A.' +B@'
B--,@'B-> @'C @C' 'NP NN' 4K=; =' ' &
7 U '8O -BA(' QL' B@' C>D@' ,, .@' E-G' +@ @ ' +B@' . C, '
E->+' +B@' B--, B-> @' D--C
/ ' +' - ? @' J>E, ' B--, 2 +B@' A ?@' . @A' +-' +B@'
B@ D? +@C' 'B-> @' , -2 +B@' EJG ' , - A . A .' +-'
+B@' ' B--, B-> @'
;KPQ' ' B 7 ' &- ' ? &2 '' 0 2 B@' ,-A.' : A@' - ' .C@G'
E> ,D A. 2 E@. AA A.' +B' +B@' B J@,2 AD' @AD A.' +B' +B@'
B--, B-> @2 +B@'C@' D@A @' - '+B@' B@ D ? +@C2 1 0% B@'
! B--, B-> @' C@' E@ A.' J@AA@D' A' +B@ C' +>CA2 AD' A- '+B@'
E ,,' ' E@B AD' +B@ C' .- , ' 4KKQ' * , $ & ' OP' :>A@' KP< O'
7 B@A' +B@' S+B' -C?2 -C' +B@' ! B--,' " -> @2 J, G@D' . A +'
+B@' C@ +' - '+B@' B--,
8 U , I (2' 1!(' 1 3 ^ '
i' '; a
' B@' + -A' - ' +@ B A. 2 -C' +B@' + +@' -C') +' - '
E@ A.'+ >.B+2 A' ' B--,' B-, + '@D> + -A' '
[77_ ' * 0 (S ' -J O>+' @C+ ' B@C' +B ,' "'
-,D@' +B +'JC- ->AD' AD' .C->AD ' -, A.' A',- . U2 JB , -JB 2
AD' DG>GAG+@2 AD' , @' @C@'A-+',@'+E B AD@' $/>O' (* "
AM 9 T I F L &J0 40;' ,' +B@' %C,D' @@+B' -' ? AG' ? ,'
B ,DC@A2 +B +' C@' -CJB A 2 , U A.' B--, A.' -C' A+' -'
B@,J@' S) ' 7 ' : 1') ,(' ! '' 5' L' E2 " @' B ,'
JC- @@D@' +-' +B@' @ -AD' D@.C@@' - ' ! B--, A. 2 B B' -A'
+@+B' A',@ CA A.' +B@' C ? ? C' $/OO' ' 8 ')' H 'C 0
2 ((' 2 B +' B ,G@ C' ' B--, A.' ' B @,D'
' E@++@C' +-' +B@@' +B A' B-> @' AD' , AD' ' $>%%'
& ' &' ' =OO' B@C@' ' B C+G B--,2 A' -C' 'E-G -C'
B--, A.' -A,G' $> J' 9 . ' 2 . 0 ;KQO 4 '<L' , '
. @' G->' 'G@ C' ' B--, A.' AD' E- CD' +' 4 A. - 3' ! B-,'
$ A+' ' &'$ (A+C-D' J)' 7 B- @' -A' B@' B D' +'
E@D2 ,SV CD2 AD' B--, A. 2 -C + @A+G' J->AD ' J@C' AA>?'
B@ D' ;KLQ' " C ' = L B' ' (" ';LK' -' . @'
B@C' !>AD G B--, A. 2 AD' ' @C+ A' ? A->A+' - ' @@UD G'
B--, A.' A' +B@' G@ C' $ &&' '?$ ' "' &'' 2
! S' @@U ' ;' +B@' B--,)' ' .-+' ;K<= ' ' !
0 .0 A0 ' 0 LLQ' B@' -A +@C' >ADCG' ,- '
B--, A.' @A+' +-' %B C+@CB-> @' ;<N=' $ ' %' # ' ?$, '
, . "! '8&C- ' OC +' D (';Q' B@' ? A' - ' ? @+@' ,-C@' AD'
B--, A.
E ' $' (AD%' (
;P=N' . 7 ' ,&!$) ' ;,;' ' "' *E2' !>@C,G' +' B>,D@' A-+'
. C@>@' ? @' -' ? - B@2 -' +' ? G.B+@' E@' ,@ >,' -C' ?@2 A- @'
+-' -,- @' +BG' DG J, A@' ' +-' E@' -A@' - '+BG' -- ,GA.@'
S MSj' ' (' $! ! ' ' ('SS'8;ML=(Q=N' B@' @C@Y
? -A ' +B@' B--, A. - ' @ @' ' S!S.' '
- 0 A+C-D' ' B@A2 ' > G2 B@ C +BG'+>+-C' J@ U' 5-C'
- @2 +-J2 B 'E 'B->C' - ' B--, A.' ;KLK
%"' 0 C' S' 'PL' B@ @ @C@' B--, A.'- ' +B@ @' C' B D
@@J C@D' +' -C'@A+@C A.'-A' 'E-,D@C+B@ +C@' - ' + -A' SKWS'
2 0) - 0 'm;KQM(;PK ' ' ? AD' B D' B D' '
D @C@A+' B--, A.' ;KQN' #7O ' ' - ' -"'? . 0 !@C'

- ' ->C' -CD
$ B@' ? A+@A A @' - ' ' B ,D' +' B--,2 -AY
D@C@D' ' A - , A.'@SJ@A @' B@A D' - +' - ' B--,'
@D> + -A
;P) ' $ & ' ' &) ' !' ,(A' 3 ,,@C' -(! '
$ & ' ' S! ! (;KL' ,U' E CA' ^ '+J' J Ga' ,U' +@C?'S *'
- ' U- , A. ' , @C' , A@C,@' SMS-' ' 1 ' A' C- @'
' 0' * 0 8;KNK(" '=LK' 5 AD' ?G'%B ,DC@A' JJ C@,' AD'
+B@ C' ! B--, A.' S' 7 ' 'C $ & ' < - 0 8;M<L(
[N<<' ! B--, A.'-C' B--, B, 2 - ' $!(;QOQC ! '*'4 $!!'
B--, A.2 S) ' = ') 8 ' & $!' 0 8@D' O(' 2
OW ! B@' ->,D' A -+' -CD' +-' J G' -C' B@C , ++,@', ' ' B--, A.'
;K=K' ' $ 5H ' (!B@' ->,D J G' B '
G@ C ' B--, A.' K)' $2' %((.!"' & ' *- ' 'B@'
B> E AD' C@ > @D' &' J G' -C' +B@' B--, A.' - ' -A@' - '+B@' + -'
G->A. @ +' D >.B+@C
' 2

% cT' ' ! ' T' ' T ! T' ' $ 'O' 2 A' D@@D@' D>C A.'
+B@' C .A@' - '5C A ' +B@' @ -AD' +B@G' @C@' @>@A' +B' B ? 2
AD' J D' -C' +B@ C' B--, A. 2 'B@C@ +@C' ? -C@' +' , C.@' '
JJ@ C@
$' G ' 2 ' '
D' = 'k' $ (
4KLQ ^3 ' = .)V 0% (' $ $ '8;K=L(' B@G'
B D' A-+' ?> B- ' ' B--,2 -A,G' @' -C' S' E -G ' ;' D-' A-+'
+B AU' +B +' B--, A.' ,'@ @C' E@' +B@ C' - + -A
$ 10 ;QK= &%?? ' &,0 9#;' 5-C' > B' ' ,'+B@' ?@A+ ,'
--D' J>C @G D' OG' J>E, 'B UA@ ' A'+B@' B--, A.'+C D@
@ ' !$' (' +@C ?'- ' -A A@? @A+' A' 'C@ -C ? +-CG'
L >OI' '6& ' % O'6$!' '8;KKQ(K' B ' 'G->A.
]] 2 *> +' -?@' B-?@' C-?' ' B--, A. '8 ' +@C?' A' ' C@Y
-C? +-CG(
/ ' / J, A CG' -CC@ + -A2 B + @?@A+' , -2
D? -A + -A2 C@JC-- 2 -,D A.' 1 (
' ' '8 @A@ (0 & 0 C. 2 ,E@ +' @C+@GA' U@D'
J@C -A@ ' E> @D' E' , + -A '+-' -AD@?A@'+B@C@EG'B ' >+- '
C + @2 G@+' +B@G' @C@' A@ @ C@ E-,, A. 2 AD' @A+ +-)BG?'
EG' 8)' -C' +B@ C' E@++@C A.' ;P<N' 0 0 ' ' ;;M'
O>+' / @?@C> ' -?@2)' AD' -?@') @> 2' G->' B ,' .-' +B'
?@2' :' B > @' -?@' JC> +@' B--, A.' -C G->' E-+B' R 7R'
:' A' (C$* (& -0 ;P<K ;MN;' 8 K8) (P=='
B@' -CD' 9@@J@C' B 'E ' -?@' @E--BA.' E->+' 0 8+B@'
A+' 3 +@C B J'- '+B@' $-,, a2 AD' '?> B' +C->E,@D2 E>+'
-A,G' C@' +B +' "@,@' ? G' ? ' +' ;QNL' C B ' &)'
'D) " # AD' B@' ->,D' E@' +B@C@' A' B@C' +@ D'+-'. @' B ?'
> B') E- - , A. 2 ' B@' A@ @C' E D' A' ,' B ' @' R&R&'
' &1' &"'S 2 ' -A @ ' ' +B->.B+' +B@' B--, A.'
@ @C@ '+B@' @' ?@C +@D
!$ & $ ' ' ' , &&! ' T(' ! ' ' '
$ 1 (
W!L')1! ,$' ' ';PLQ' B2 A' @ +B2 D ?@' @C +@@' B +B'
E D' G->@' A' --, A.'- ' +@2 $' ;P<;' " ' - 0 8;P<O(
P<Q O@ > @' +B@C' ' > B' CA A.' E@ -C@' *A- ' @' B >@'
+B@' DC>AU CD' A' B--, A. 2 ' ,')) D' +B@' + ?@' +B +' ,@ +'
+-'WB@ 'G->' +B@' D@ -C? +G' -' +B' ' AA@
' B@' +C A A.' -C' @S@C A.' - ' B-C @' AD'
C D@C' A' +B@' C D A. B--,2 !$ B@' @S@C A.' - '
B-C @ ' A' +B@'*?A+ A.' ,@,D' , -'$ 1(' ' , &&!3'
' 3 - $, (
' ') - 1 ' ",!(!>JJ,2 , &&!(-C' , &&! ' (A' +B@'
? A@. @2 '> @D' +-' .A G'+B@',@ -A' AD', E->C'E- ?' -'B@'
B ?)' AD' B-C @ ? A2 KMN ' . . 1 ' % ' , - &' ' + 2 A'
C@, AD' 9(B--, A.' ? + B' ? @ A' +B@' ?> @?@A+' - ' +@ BY
A.' G->C' B-C @' +-'*>?J' ' $ %O' c 9 ') 8)2
0 0 (SS C2 $,J ' B D' . -A@ +- ' ? JC- @' +B@' - -A'
EG'+@ + A.'+B@' B--, A.' - '+B@' ->C G@ C -,D' ,, G' - @C' +B@'
+ ? E@C -E + ,@' ;K<N $!"' 2 'O / @ 'L Q B@' B--,Y
A.' - 'B-C @' +' @C' B>CD,@' 6D' @A @ ' 4K<L' $ 'O= / @ '
L N ,@ ' G, -C'B 'B D' B--, A.'B>CD,@D' J>+' >J
! ' !$' (8! @' !>-+ (
;KP<' !$' ' 0(, &&! ' (',- ' . ? E, A.'J C+G' 4KKL'
C$!!' $!!<(;N&@ 'S 2 ' 'A-') B--, A. 'DC' . ? E, A.'
.C->J
!T' 16 ' ^ ' . 1(' AD' CC O i'
9) a' B@' + -A' - ' ? ? A.' +- .@+B@C' A'
B--, ' -C' B- ,
R&&7' *0 & (, &- - 0 ' ' 0' ' $! ' ;O' ^ B@'
@EA JJ@Ca'B ' + ' J@C -D ' - '? .C + -A' AD' >?>, + -A'
A' B- , 2 ' ? - @?@A+' -' @,'@SJC@ @D' EG+B@'+@C?'T B--,'
'A.' *' +B +' @' B ,' D-J+' +B@' JBC @' -C'+B@' >+>C@' 4KK='
<) ! @+ ' $ ' 0 D) $, ' - 0 LQ=' A' J @ ? E@C2
" % " B--, A.' E@. A ' +B ' B' C@' + 6 C-@D
$ 1(;KKL' ' &' && ' (($! ' ;O
B@' B--, A. @ -A' ' ? D > ? ?@C
! B - - , A . 2 * * !(^ ' ! " - - ' A ' i' ' O*
%$ B +' B--, 2 A +C> + ' -C' @D> +@ ' , -2 +' DY
? -A B A. 2 ,@JC- O.
' , ' ') '<$' &''8;QK4(' 'QL' @+' ?@' C@ U-A'
+B' G->2 " CC @+2 D' 3 ' C AD -A' 8+ U A.' ?G' E AD'
+B' ' J - - , A.' C(' ;KL< PO' 'C) O0 +B@'
B--, A.' JB@C@' B@' B D' J @D' +BC->.B' ;K<M : 1. 7'
: ' $ 'MP' AD' +B@' B--, A.' E>,,@+' ,@ J@D' C- ' AD'
B- @D' +B@?' B@A @' D @G' ?@
; $ ' ' $
L ' $ ' ;P' / @ ' = L' 7 @' B @' - @C' ;2NNN B--, A.'
) DC@A
! B - - , A . 2 O ^ ' ' 0 ' & ' (' a'
' a' B +' ?'+- .@+B@C' A' I' B--, '
KQL' ! '&- ' A' *(E(0' . ' & - - &'' KQ @2 Q='
.B@' >J' C@' UA- A'+-' E@' B--, A. 2 AD@C A.' B'- '+B@'
B .B' @ ' AD' - ? @' C-?' +B@' >,' ! +C@ ?' AD' C-?' +B@@'
5,-C D ' % J@' KKK' <) ' - (' ;K< 3 U@C@,2
?>,,@+2 @C D@' AD' ,' ->C' -+B@C' B--, A.' J@ @ ' -AY
+C E>+@' , - ' B C@' +-' + '>JJ-C+
! E - # A . ,G2 $ 0' '&', 32 (^ ' . 7'
1 ' 1@3 N". 'O a' ! - ' '+-' -CD' ',@ -A
O >O = , ' B@' @AD ?@' EC>J+,G2
AD' ' B--, A.,G' -,D' AD' B-C+2
+'O D # # , EG' ' 1 0 $ 3H' ^ ' . 1('
a' ! " a' ! ->C A.'- '+B@' T' B--, ' B-, + '
+MSK' ' " * , (' e' W A' +B ' A@' AD' ?@@+'
E--, B' 5-,,G ' @- .@' O> B A A' - +@A'+ U@A
! B - - , U @J@C2' B - - ,U@@J@C
' #A@' B-'T U@@J ' B--,' ' JJ, @D' +-' ' B--,Y
? +@C' -C' ? +C@ ' !-' ! B--, U@@J A.
;KPQ' " ' = . ' '<& *' ;KL' +@C' + -' G@ C' - ' B--,Y
U@@J A.' [KQ4' 3 '%- 6 !' $ $0 ' ' ,0 ' ' ;OM' -D'
'+- -' +C-A.' -C' % +G' ?@A' AD' B--, U@@J@C' ;KKP' ^ 7 ' " '
9 V ( ) %& >' ! 052 (" @' '+ C@D' - ' B--,'
U@@J A.' 6' A., AD
' ' B@' C@+ U@C' - ' ' B--,' E> ,D A.
4KK< $!"' 2 'OK' ' L M ' ? ,'C-- ?' A' +B@' B--,'
U@@J@C' 'B-> @' ;K<K' 1 (S-' !@J+' L M 3 U A.' +' C@ I> +@'
-C' +B@' B--,U@@J@C' ' >AD@C+ U@' +B@' CD>-> ' -CU' - '
CCG A.' >J' +B@' +@C' -C' > E,A.' +B@ @' ,- @+
! - B - - 6 @ ' 8 Ub ,,@ (2 $(^ ' . 1H' a'
! ! a' " A.' A-' B--,2 -C' ++@AD A.' A-' B--,'
; ;=' ! O! +$' ! ' $ $ ' 8&& ' ^ B@' " -,G' !J C +

@A E,@ a' ! - ?'8! B--, ,@ @' ! B-,,@C ' @ CA@D2 +>D ,@ @('
- ' >AD@C + AD' AD' J@ U' ,,' A.> .@ ' ;K=K ?!$, . 2 (
$ (4 ' ;P;' #>C' B--,,@ ' C+ B ' AD@C@D' A+-'
+C A.@' AD' ,- @C' B>+D ' SKM' 3' ,)' C *0'),(
$' , ' ,-S' B@' O;2NOP' B--6@ ' B ,DC@A' - ' , - ' ;<N=
: ' 9 . ' % '6O' 0' ! &''S 'S J' B@' ! B? CU@+' '
C? A.' +B' B--, @ ' C E
9 $!O' 0' , - ' ? C? ' '
B--,? +C@
;K=P' ! 'J 8 ' ' $ $ ' A' 2 ! B@' ' +B@' E@ +' ! B--,'
? ?' ' @ @C' @A+' +-' SK 3' 3 ' ! $ &' ! +'KO'
B@' B--, ? ? ,U A.' +B@A @' +-' +B@ B A+G' B@C@'
B@' + >.B+' +B@' G->A.' -A@ ' 4K<Q <B ') $'') '1)!!'
4 ' 4L;' A' +B ' B@@C >,' G' +B@' ! B--,? C?' C>A ' -A' -C'
- @C' A' B->C2 +B@' ,UG', - -U A.' @CG'D CU' -C J--C' C@A@
' ,=J$>4 1 @ / ' 7 (
% ' ' ,)! - $' ' (' ? A' E@,-A. A.' +-' +B@' B-, + '
JC- @ -A a
' #A@' - ' +B@' > @ -A' - ' C +@C 2 C-?' E->+'
+B@' <+B' +-' +B@' ;=+B' @A+>CG2 B-' +C@ +' - ' , - . 2
? @+ JBG 2 AD' +B@-, - . G' '+ >.B+' A' +B@>' B--, '*
-C' >A @C +@' - ' + ,G2 5C A @2 @C? AG2 AD'
A., AD ' ?@D @ ,' B-, +
5OO/&+' ' (S ' 7 U ' 8;PQL(OSL ;' 1 ->C' - A@'
B-,@?@A' G2 +B@' J-J@' J- @C' ' - ' .C@ +@2 +B +' A-' ? A'
A2 A-C ? G'D > @' +' 4PM4 ' (' $! ') ' ' 0
;;' QM' &@+@C' -?E CD' AD' +B@' -+B@C' B-,@?@A' [P<4' " '
' < & ' &2' (8;M;=(KQ' B-? ' ! > A 2 ' B--,Y
? A' - ' +B@' &C + ' $%/$' ' $. (c S, ' LKL'
B@' C -,->' / + A + -A 2 E CE C-> ' @C? 2 AD' -E >C@'
A.> .@' - '+B@' ! B--,?@A' ;M<N' '#' ' 0 &! $Q
&'' LK' AD' +B@' C+ A' ?> +' @,,' B ' - - , 2 + -' E>G'
5 +B@C' AD' ! B--, ? @A2 AD',@ @' B ' 5 ? ,G' + - C @'
O> O ' B ' '$(C ' ,0 & $!' ' ;ON' " @' ->,D' + AD2
,U@' +B@' ! B--, ? A ' 2 CC@ -,>+@' AD' >AD@+@C? A'D2
E@+ S+'@I> ,' 3 - + @ 'S!XG') 7 ' S J- (
;QN' B@' >E + A+ , -C?' ' AD' @A+@,@ A @' - ' C + -+,@'
AD' +B@' B--, ? @A' 4KM') &*0 & 0 2 ' ;Q' B '
-J A -A' B B' 'JC-J->AD@D' EG' +B@' B--,? A' # UB ?
/ ' #A@' B-' ' @C @D' A' +B@' +C D + -A ' ,@ CA A.'
- ' +B@' ' B--, '2 *(8 ' @A @' (-A@' B-' '
@SJ@C+' A' -C? ,' ,- . ' -C' B--, D G A +G' ' 1T
SPP- ' - $ ' *&, 0 ;NL' A' . ! & ' > ' . 0 8;K=L(' =L='
' +' ' A-' J, G -C', G' ?@A' O>+' -A,G' -C' B-,@ ?@A' 5-C'
+B@G' E@' ++G' ?@A' 4PQ4 1 ' 0 ' !(+ ' S' 8;MLL(
!' 7 -AD@C >,,G' ->C+@->?' 'C J@' ! B--,@? A' ;P<N' (
C %0' &'< ' ' ,$ $'8;M;M(O ! - ?@D@@J@ C@' D ! B--,@'
? @A' -C C ? ? C A ' ' S) ' ' ('ONO B@'
9 A.' B D' 8+B->.B' B@@' @C@' A-' . --D' ! B--,@? A(+B@'
" -A->C'+-' -A>@C+' -A@' - '+B@?' ^C 'B@C@+ a' EG' / J>+@' +'
% A+@CE>C @' $ 9O\' - . &- ''C! $ > ' ' -'
E - , @' +B ' $ DD,@ ' / A@C 2 *C@ ?@ 2 ! B--,@?@A2
D@@J' 3 . + A 2 ,' B @ ' ' +C D@2 AD' , ' . @' @C ,'
? @ A A. 2 $' ;ML ;' 'C& - (' !!'LN' #' ! B--,@Y
? @A' E@I->@ +B' ?'G'D->E+ >,A@ @ ' ;M<N B ' ?' %'
!0 8;KPQa' ;'L=' A' +B@' B--, ' +' $- ?@2 +' ' B@,D' EG'
+B@' ? *-C +G' - '+B@' B--,' ?@A' -' E@' , >,' $>JA' *1 '
0 $''+ ' K;' @+' >E+,@' B--, ?@A' +@ B' +B@ @' C @AD'
+-' .B+2 3 -C@' +>D -> '+-'D D@'+B A'+-'>A +@
' #A@' @A. .@D' A' E-, + -' J>C > + '= >' JC-Y
@ -A ,'+@ B@C -C' +>D@A+
4QS' ' * , (- 'OQK' 'S # ' , +@' B@' B .-+' Y
I> A+@D' +B' ' !) - - , ? A2 B-' 3>@' B? @,' -C@ +'
9A- ,@D. @' A' +B@' C@@U' -A.>@' ;QP;M) S' (
O * $' " (S -' B@ @' I>-+-+ ? ' C@' ? D@' 6 @ - ' +-'
D@+@C' @C+ A' B--,?@A' B-?' +B@G'B @' E@@A' -A @CA@D' +-'
@@' @?J,-G A.' +B@ C' B->C ' A' @A >C A. 2 -C C @C' E>' A.'
+B- @' ,+@C? G' J@C -A . @ ' $ > +' . ' & $ '&C@ ' ;P'
B@ @' .C@ +' ? ' ++@C ') ' A+-'+B@'B AD ' '?-AU' D' B--,Y
? @A' ;KK= &' $ &'$!' $ ' ? . (KN B@' B--,? A'
' .C@ +@C +B A' +B@' CC -C
! ' !$' (' @,,- ?@?E@C' - ' ' ' B--, ' -C'. A.'
% <]' .2 '&V && 5&& '? ' 'T:@CCG':>A J@C' '%B >A+'
B@'UA> U' A' I>-D'D D' ?G' B--,?@A' J, G.
O ' 8 U) ? + (2 1[' 5-C?
=--' (1@((< = ' 1[' ^ ' (1 '
i' = ' 1(' % ' ,) ' (/ > ' , &!3'
- (XW' .&! - $!$ 0 (.&! - 0]
' B@' ? +@C' - ' ' B--,2 -C' -A@' - ' +B@' ? +@C '
A' ' B--,
K H , &&!- $ ' &'%'< $ - - $ T(' +@ B@C' - ' + A' A' '
B--,
XOOP' 0V $. (POO' J@ ' -AD@ ' ? -A EC-B+@' -'B ?'
+' -,@? +C@ ' %]N&' & ' "' '? . 0 ;;K' 3 G +@C'
: -BA' &GA-B CD2 U-,@? G +@C' -' %C ? ? @C2 B ,' E >@' +B@'
J, @' +B +' B@' D>@ ,@+B' AA@' -C'S,' 'G@' G@C@2 EG,@ '+B +' B@'
D>@,, +B@' A'E +' \' B-,DG+B@'.C ?@C' U-,@'BG? @,'+B@C ,AA@'
S) -' L ' , (? (5 (;K #+B C -,@? @ +C@ ' @'
+B@' ? @' G' A# ' 4PL4' . 3 ') ' ;' S 2 8;KKN(' ;MM'
+B@' A ?@' - ' ' B-,@?' +@C' @C@ A + - ? - B@' E D' A' -A'
+@ ? J+@' ' %b]M A' ' 0 < ! ' 8;KQN(;<K' 5-C' +B@' ?@GA+@A'
>A @' - ' ' -,@? +@C' - ' C ?@C' $'$/ J' ' ' '<
A0 0' , $ 0 8;KM<(O 5 C +2 +B@C@' A ,E@' -A@' ! B-,@'
? ? +@C2 B-' B ,,' +@ B' C ? ? C2 E-+B' @C@U@' AD' , DA@'
cb&M . 1. '+C' ! > ' ' , & 0 '=MP' A*' @' ADa'
$ -E@C+' 3 S> ,'E +B' > , ' ? +@C ' SM -' ' . .)' $ -Q
' >' ? 0 OP=' 3 +@C' ,G@' ! B#-,@ ? + +@C' - ' & >,@ '
1 0 QM;' $@. A-,D' O A'EC .2 B@ D' E--,@A* +@C' - ' JJ,@'
E@G' SM--' ') - 0 E ' 0 ' 'e' ;M'O=P' ' ->,D' E@'
'E CD' 3 ++@C2 +-'J@C > D@' AG'-A@2 +B@' 7 -CD' ' B B'
B '5 +B@C' -C' ! B--, 3 +@C > @D2 6 A @D' A-+B A.' +B +'
C@ ,,G' @S +@D' A' +>C@' ;QOO' / ' - ' &!0 6$, .'8;K=N(
;QL' @CG'. --D' B-, C' 'A-+' ++@D' -C' ' B--,? +@C2 +B@'
C+' - '+@ B A.' ' I>+@ D @C@A+' C-?' +B +' - 'UA- A.'+B@'
, A.> .@ + > .B+' % (b .1 's ' $) 1) f 8;K=O(
O=< TB@' >?' - ? A-A,GJ D' + - B--,? +@C' A&@ B @@2
' E->+' +@@A' J@A @ ' ? - A+B' KSP' $!,& ' ' (
$ ' '8@D' O>CA@G(0 ((B@' B@ D ' - '+B@' @S ? A +-A' - '
' B--,? +@C' -C +B@' $-G ' G2 C@' ' -,- ' b
E ' , &&!- $ ' '$1 &$ ' ' G A.' - ' , '
OC->.B ?' 8 @@' I>-+' ;KLK(B B' E@ ?@' JC-Y
@CE ,2 +' C +' A' + '-C . A ,'?@ A A.' '@SJC@ A.'
@S>,+ A.' -A D@A @' A' +B@' C@ >,+' - ' +B@' JC@ D' - '
J-J>, C@D> + -A2 +@C CD' B @ ,G' A'D@C @' >@

!-?@+ ?@ *- >, C,G ? JJ, @D2 $1 &$? @ A+ A-+
+ B-?@ 2 T .-A@ ->+ - +B@ ->A+CG
K K B7 A - LN : A L L @+ +B@ -,D @C E@
EC- D2 A +B@ JC@ @A+ .@ B@ ->,D D- A-+B A. B@C@
A-+B@C J@C -A EC- D B@ B--,? +@C EC- D 2
AD B@ +C> +@D ?-C@ +- B ?2 C?@D +B B JC ?@C2 +B A B@
D D +- +B@ -,D @C A >,, ? , + CG CC G2 -C >JB-,D A. AD
@S+@AD A. +B@ , E@C+ @ - B ->A+CG ;KL;) " W
%& A C&!(,,$ (C& - 8 KKK(;LK B@ B--,Y
? +@C EC- D2 G-> @@ AD2 B@A +B@ J@-J,@ B@ C B ?
J@ U2 B@G ,, A + -A E@ A. C@@2 AD C@ D A. " -?@C A
+B@ C@@U B@ 0-,+-A @ @C @ X@ +B@ J@A B@ !> @S
C?@C -CA +B@ J,->.B $ J% ' . B !&, . - $.
!@A 4 2 7 @,,2 +B@G' @ .-+ A+ JBC @ B@C@2 +B@ B--,
? +@C EC- D 2 AD @ @CG @,,@C +@,, G-> +B + +G + ?@
D G $ /J " & ! S2 A +B- @ D CU D G 2
E@ -C@ +B@ B--,? +@C EC- D $ /> . . 1
! . 2 T 7 @,,2 E@, @ @ +' I> +@ A@ +B A.2 D
3 C @ >D-C T B@ B--, ? +@C ?> + E@ EC- D +B
@A.@ A @2 B@ B .-+ C +B + 6KKM =
< &2 &- ?$!.$' C ' (PL B@ JC-.C@ - @D> Y
+ -A A 0- A AD "@CX@.- A A @ +B@ > +C A - >J Y
+ -A B E@@A ??@A @ B@ B--,? +@C B C- @D +B@
! @ j ! A @ 4KQK2 A- ,@ +B A -C+G B--, B @ E@@A
@ + E, B@D >AD@C - @CA?@A+ > J @ a

- $' %(AD 6 (

;POM) . <$!0 O= B@ , @ >C@ -,@? +@C
A+- +B@ +G?@ - %BC + ;LPN 3) . * 0 C ! P;
B@C@ -C@ +B@ B@ >@A,G B-,@? +@C UA JJ@+B -A +B@
A.@C 2 +G,, @ JJC@B@AD@ AD ,@ CA@ B G,, ?-C@ J@C
+@,G X P) '0(' $1 $' ;N #>C ->A+C ?@A
B @ + @ E@@A@ B--,@? +@C +- 5C A @ 5 C + B@A
+B@G + >.B+ +B@ >,@ +B@ D J, A@ - +B@ /C> D@ AD
+@C ^@+ a ;MQK : 8 &)' R; A +-?G 2
A @S @,,@A+ ! B--,? +@C2 +B@ B B J@C @ +,G ,@ CA@+B
> +- UA- B- +B@ @C @ B B C@ JC AU,@D E->+ +B@
5 @ ^@+ a ;KQL # 8 C!$ & 8@D O(PNM B@ ,-C
- ! , ? E@ ?@ +B@ B--,? +@C - "@,, 2 +@ B A.
+B@ "@,,@A@ A-+ +- @ C +B@ E CE C A + @

+ D 6 @D -C +B@ , +@C 1 0

F>-+ , ;=MN J@CB J B CD,G E@,-A. B@C@2 +B@ J-@+ @@?
+- E@ -?J C A. +B@ ,- @C' + ? D +G A +B@ JC@ @A @ - B
, DG +- E-G' DC@ D - E B--,? +@C B@ ,+@C + -A
A +B@ C A +G 3 ! C@?- @ +B@ U CDA@ - +B@ @SJC@ Y
-A2 E>+ D@ +C-G +B@ J- A+
$ 5# \ ' , 0 0 =O0 A C@ A@ E , A->+ -C >C!@A -,
?@ +C@2 A@ +>CA@A B C@ A C@ E> +- B ,DC@A@ I,@ , $&%+
$? !! $- ;LQ " -,@ ?? +@C
'0 -,@? G +C@ a B D > B@ > +-C +@ B + !J@U@
->D@ B@ A +2 E>+ >J-A B@C E@ >+@

$ ' 3 $ 1(

Q;LSN && 0)"!! A B-? C & &-(8;KOQ(;N 3 G
-A@ ?@ +B*? U@ + A@ @ CG AD +G?@2 -C ?@ +- .@+@ G->
G @ -,@ ? G +@C2 +- ,@CA@ @C+>@ AD D- +C A@ ;PML
1 $)) ' 00 JC A @ B-,@
?? +@C -C A +C> +->C A ,@ CAGA. ;P<8M $-0 (
<= AD -C UA- B@ + U@,B ?- + D@, .B+ A 3> U@2
A +C>?@A+ 2 AD &-@+CG2 ! B--,@? +@C ,, U@@J@ +B A
?G B-> @2 5 + +- A +C> + B@C G->+B 1 0 ;LL ;M=P
) $ " 8% ?D@A(OOM /C /@C@B ? C@ @ @D -A@
"-CA@C +- E@ B--,@ ?C +- -?@ G->+B@ A E B- @
L% < ,(& !0 =P G-A. ! B-, C2 B- +B@A
! B--, ? +@C A B 5 ?, @

;$ S $

' $ 10

$>J& = $ 0 ($ &! '$?$ $-$ A C
$' (444 2 L;M C $ -$ '$ * ' ' 1 $', $
!1) ,$ ' 0 B@ ! B--, ? +@C ;KQM <) & %
? -) $ PP B@ ! B--, ? +@C !A JJ@C AD ! ,U !A JJ@C
- +B@ B@C?@A JC-E E,G E@,-A. +- +B .@A>

$ $ 10 & - 10

;M= & ' "3,0 ") %0 ;NL B@ B--,
? +@C U@ .- @CA@?@A+ E@. A +- , U@ AD @ @ 1 T
;N= ! B--,@ ? +@C , U@ B JJ A. AD +@D A -C?@C+ ?@
SK) / .)7 & ' ' & =N; #U@ -A ->
- D >,+G A D @ + A. B, ? @, - B--,? +@C ? AA@C
;K<K ,$ - " P - ;K< ; BC A. +B@ ?- + -C . A ,
AD +C U A. .>C@ A +B@ B--,? +@C -C,D - B + ?@
> 'O '&', 32 0>+ = /+B@ + +@
-AD + -A - B--,? +@C = (Q
/ +B@ + -A - B--,? +@C
SKMS I A -0 8;KKK(=NN /CG B--,? +@C ?
DC@ CG +B A.2 E>+ DCG -C? , - @ G A. AD 0 E,@
C@ D A. .C@ + D@ , -C @ ;KKQ * , $ & O< # + ;=PO
7 +B A- ?-C@ UA- ,@D.@ - +> , B--,? +@CB--D +B A
> B B@ B D . A@D A -C. A A. +B@ I> C@ B--,
/ 10 ^ . 1 0H +@C
! "## 3 ! 0$ 1[H B@ ,@ D@C - T B--," -
B@ 2 @+ @ J E>,, B ,@
;KL< . C - $! ;QK B@ -,D T B--,? +@C
B D ->+ ++@D +B- @ A +B@ E- + ;K=K $- 10 '%& -0
C &*! MNO ; B@ ,-C ,, B@CD ^- B ,@ a T B--, 2
AD +B@ -,D E>,, +B@ T B--,? +@C 4KP4 " (8.)
' ;K; 1->C B-A->C ? .B+ B @ , AD@D B--,Y
? +@C ^+) ,?-Aa +B + +@A ? A>+@ +@C CD ;KL;
" = .3 . . $! OP - 2 +B@ B C@?- B ,@
,,@D EG +B@ B@C? A B--,2 - +B@ ,-CD AD ? +@C
- +B + B--, +@ BA ,,G UA- A +B@ B--,? +@C
! --,? +@C2 0 K$ "
%$ $-0 G 3 D / /
/ $ 0
;K<; $-10 ',",0 MA #J + 2 -C. A ,,G B--,
? +@C2 B--,? +@C@D J-@+CG A+- , @,@ ? + + -A -
@>D- , ?-D@, 4K<L 0 8 A & '0 (
@E OQ< " @ ^ , D +-A@a - +- @C E- @ +B@? +B + B@
E,@ +- B--,? +@C +B@? A+- .C>D. A. >E? -A
;$ ' 0 - E@ B--,? +@C2 $ (
[<NK $!" &' (;K : >A@ = M % C,G,@ AD D CD C A.2
B- B--,? +@C@D +-.@+B@C A+B@ ?@ 9 CU ,DG D@?G
-C ->J,@ - G@ C
! B--,? +@C . 2 10 ^ .
C , i K; a B@ - >J + -A -C JC- @ -A -
B--,? +@C , -2 A @D> + -A A B--,
SK==% 9 !4C C 0 ' 0 OO; " -A2 +B->.B E-?
+- +B@ +BC-A@ C@ @ @D E--,? +@C A. + -C E B-J

;K=L " 7 8;KQ=(,, ;NN B@ A + @ E
- +C-A.2 +B + + E@G-AD +B@ C+ - ,, +B@ E--,? +@CY
A. A +B@ -C,D +- ,+@C + ;KP< 1 A 7 9A .B+
8;KKK(ONN +- B--,? +@C A. 6+B@
E@ + -?@ C + SK) . . .(< (S <Ra
$' $) (*C @A+ +@2 !>E + 2 B->,D .>@ 2 EG
E--,? +@C A. A +B@ ,,)@ E->+ ;K<=) (
< 0 &-*& ,)1 OOQ ! E--,? +@C A. B C Y
+@C + - >J + -A - +B@ ? ,G

***2:!K K B:D 1 !!!4 777 1 56 # 0 ' &**

1 3 i <=K O a U@2 -C + A. 2 B--,? +@C
;KL; . 8 (&) ' &' ' 2 1-> D-A + + U@ ?@
-C +B + ,>EE@C,G B--, ? +@C A. J C -A -A E- CD2 D- G-J
S) L - ;L 5@E P L + C+ , E--,? +@C A. +-A@)

***2:! :/1 ! :CE $T 56! # # ' 1[**

V K0 a U@2 -C B C +@C + - 2 B--,? +@C
C $!! $!!<(;P /@ ; B@ D>U@ - C.G,, JC@ @A @
AD DDC@ C@ B CD2 C . D2 B--,? +@C B $ J .
&!$ ' S ;PQ "@ , ?@D -C+ - B--,? +@C B
>+B-C +G - @C B@C ;K<M $ &' 8 1 (L /@ =O; O +
+B@ C U - @@? A. B--,? +@C B
"@A @ !D --),? +@C ,?@
;QK< -0 & 0 7 U ;K=L 4 O;Q 1->C .@
AD B C +@C + G-> E@++@C -C A+ ? G +B B ? +B@
B--,? +@C BA@ - ? A@ + A. A +>C ,,G C@J@,, A+

***2@ :/1 :E " @1 12 ! !2**

6 / :!)4 1 2@ :/1

;KMP $ 0 0 ;P :>,G QQ S 7 +B ? +@C,G UA- ,@D.@
- B >E*@ + 2 +B@ ?@?E@C -C GAA A@ @C @@? +- .@+
E@G-AD +B@ B--,? +@C,G G - +C@ + A. +B@? SKK-
= B7 ,&' (2 S 2 !+ ,, J@ U A. A +B +
C +B@C B C B AD B--,? +@C,G +-A@

***2@ B: / 1 :!!$ G '# -@ 66!2**

3 6 1 2@ :/1 L 1 $ 1 2@ :/1

4PM4 ($! 'T ' (=) "@ ^ -Da D D A D@D@
A @ @ -CD@ @++@ ->+@ BG ^%BC + a B-,@? + +@C B J
A+- 2 B@A B@ D2 B@ C@ B ? ;M=L : &' "T,(
") %0 ;NP -+ A@@D A. +B + ,@. ,, B--,@? +@C B J
;K< - ;P 5@E P = ! A--,? +@C E J C@ , U@,G +- E@
E@ +- @D A >+>C@ -A ,- , AD D +@ XK) ') -
4= :>,G PQ ; " @ ,@ +B J C B E--,? +@C B J + $>+B @A

***2@ :/1 56 # <**

6 !)% 2 /$1)!) 1 2@ :

;PML &- ! C!$, - & %C $" ; ;=; !B@ @
G-> +- E@ , U@ +B@?2 B- @ B-,@ ? +@ G-> + U@ JJ-A
G-> +- E@2 +B + 2 +B@ J- +,@ AD / J,@ - %BC +
SK - *& ' $ 0 4 4 % LNL #A@ - B@C B--, ? +@ 2
B- JC D A. B@C @, - @C +B@ C@ + - +B@ B-, C ;K<= !
- &! $" & 8;<NN(ONM B@G B D E@@A J, G? +@
AD B--,? +@ 2 ,-A. +B@G ->,D C@?@?E@C

***2@ :/ !** 8 U)',? +C@ (5-C? @@

# 1(1)% ' & ' ' -? A B- +@ B@
A B--, ? +C@ A B--,2 A @ C,G
> @ +B D@C @A @2 @? ,@ +@ B@C2 .- @CA@

, - $' %(AD)

$;PNN 0 & $? !! $- 4LQ 8 3 ! C A (2 ^ @@
I>J+ ;=MN2 . Q Da L I 3) . 0
= 5-C B@ 8 D-?, -,@? +C@ @ - G A>C+->C@
- -D2 \ G) B- @C ->+ - A, -CU@ O/%+ $, (
7 U PLQ E2 , +B + +B@G ^C A>A a @C@ -?? >AD@D
+- D- - +B@ C B-,@? +C@ @ AD .->@CA@ @ OP<K
< 8 $,) (' ' 0 S S 8)=V ;QM B--,@
? ++ - > B JC + @ B- @A - J>CJ- @2 ,,@D
- > + - , +@ -AD@?A@D - @?J- -A A. $%J0 - B . .
&!" $ A S 8;M=N(P< &E@A +B@ B--,? +C@ @
- C@ 2 AD C + + >.B+ B@C B@C ,JB E@+ $>A% 8 6
<)!! 0 H 0 0>+ +>C@2 + @@? 2B +B A-+ E@@A -@SJ@C+
! B--, ? +C@ $ %/) 0 0 0 2 !B@ B D
?-C@ - +B@ C- B--,? +C@ +B A 3 +C@ - +B@ ! S
:-,,G 5@,,- B J &-C+@C

***2@ B $!) 1 0 56 # 6!!**

; V J- A+ + A.B+ -C D@E +@D A +B@ B--,
?J>? < .) 7 $! '&' C (SSS ON + A@@D >, -C

> B -+B@C, U@2 @ ?> + . >@ C@D +2 +- +B@ G A. - ?@A
- ?- + A+ I> + @2 -,U@ +B + @C@ A@ C@C +- -D +B A
@ a< & &> " 3 ' (C& A S ^ (8 CE (;KN 7 @
C@ +- +@ B@ D @ AD @A+,@ -?@A +- UA- +B@ C
B--,@ J- A+ AD +)@C?@ JJ@C+ A A. +- +B@ C+ $ aMb<
< B7 &--(10 ;O B@G +> ?@ C !@C?-A +B b
-E >C@ -C-J + -A 2 AD >C -> ! B--, J- A+
$ 10 $;PMK , &! -0 8 CE (;L;2 A@>@C
G@+ AG %`(-??@A+ C@ J-A C +-+,@ - . U@ +B +
>@C ,GU) 2 E > @ +B@G E@ C +B@C J@A+ A D@ , CGA.
B-,@J-GA+ C>,@ 2 +B A A . +B@C A. + @S ?J,@ -C @
AD ++@C A @
+! , ## ,C E 0 0 ^ # C i
3 ,(+@C 1 &* , B--, D +C +
;Q) 0 C ! $-($ 0 8;K<K(OOQ B + B ! B--,
$ U !B ,, 0> ,D AD 3 A+ A +B@ C - A ! B--, "-> @
;Q<Q 1 0 OOK / +C + + - +B@ @ ?@A+ - @ @CG
! B--, $ U
8 Ub C ?(^ . I "
C a
C--? A B B B--, B@,D , -2
C--? A JC +@ B-A @2 B B B +B@ B ,DC@A -
+B@ ? ,G C@ @ @ A +C> + -A -C JC@J C@ +B@ C
,@ -A
[QQP ! , &&! &&-(C--? A B B B--, U@J+
U U> . . 0 !$ - /@D 2 6A+ , +B@C@ C- @ 5C-?
+B@ A@ C B--,C--?2 - @ ;KLQ ") 7 -(
2 1) " ;== B@ B--, C--? C@ A +B@ C@ C - +B@
E> ,D A. 2 A B B + @A+G @ E-G AD ? AG . C,
C@ @ @ +B@ C @D> + -A !K=K $ '($ 2
7 @ B @ B--,C--? -A +B@ @ -AD ,--C2 +B ?G E@DY
C--? ,@ D A. A+- + -A -A@ D@2 AD +B + - +B@ G->A.
, D @ -A +B@ -+B@C XKM- 3 .) *0 ! -0 , &&!
8;KK<(B ? G @S > @ AD D> , ? A .@C -C +B@
D C+G AD >AB@ ,+BG + +@ - +B@ C B--, C--? ;KMQ 7
. . 0C)1! , , &&! ;QM B@ A-E,@ B--,C--? ^ +
7 @ +? A +@Ca2 A@ C,G B>ADC@D @@+ A ,@A.+B

/ -?+A) + -A -C +@ B A.
S!JS ') " 0 2 B@ +G A@@D ?-C@ B--, C--?
! B--,+2 C A+ - # " B ,,-
! B--, CD 8 U) ,) D(2 $ T AD $T ^
"8) !V T - CD B--,
A +B@ D C@ + -A - B--,
, [LKM B C & > (<Q - -,@ CD AD B-CA
CD B A B@ @A+@2 ;=P; 17 3 % 0 < !1
8 2 ! (K B ,@CU A B @G@ +- U-,@ CD @,, A
.C@+@ B@>GA@ @ a SK-S 9) 8 C & > 0 <K "-?@
) D AD B--, CD B@A -@ @C B@ @A+ $ & 8 . .
? !&2 C(!@C A+C-D 2 &-@? ;K<N O= B@ C ?E,@
B--, CD +BC->.B D@ J CU, A. ?@ D XKKM 9 "
%" < &!0 $! =Q B ? ,, J-AD D@ C +- @ @CG
B--, CD +C>D. A. >C B A +B +B D +- J +
0 $ B0 / C@ +@D -C .- A. +- CD B--,
;K7 $!" 2 ;L !@J+ = Q 0 G +B@ + ?@ E-G C@ B@
+B@ C + E . + + -A -A B B--, CD C- D ;K<K ?!$,. 2 0
$ (>. OQ[B@ D@JC@ -A - +B@ B--, CD*->CA@G
! - ! B-- CD $ 0
;KL< : % $!. % $!. 8;K< (KM G +B@G
@A+ @E--, CD 2 B CD +B@G ->,D
! , --,G 8 UQQ ,(E((^% # ;# /a
B@ ?@AB D@A ;K<; A ') " (
! B--A@C 8 U) A-*(2 1[5-C? K ---A@C2
U--A@C2 K B--A@C ^# >A @C+ A -C . A
C@ -CD@D @ C,G A +B@ K+B ,($.&&' (,&&' :
+B@ JC@ @A+ J@,, A.2 B B - >C -A,G @ G@ C
, +@C2 ? G E@ D>@ +- -C? - + -A +B , &&!(
-C +B /> -CD B A. A + , , 0 B@ -CD
B J @D C-? A., B A+- ?- + - +B@ >C-J@ A
, A. > $0 ,.&&' (, &&' (<0 , &' (, &&' (
,)' 8C@ -CD@D ;QKM(2 5 , &&' (.&$' (
/ .&'' (! .&'$ (.&' (
B@ +-CG -??-A,G +-,D C@ J@ + A. +B@ -C . A - +B@ -CD
E -,,- 7 B@A +B@ C + B--A@C E@ A. , >A B@D
8 + ,-> @ +@C2 3 2 E->+ ;Q;L(2 EG + AD@C @S , ?@D
#B2 B- B@ --A B@ E> ,D@C2 ^)J+ ADC@ $-E AY
-A2 C@J, @D2 --A@C ,@+ B@C E@ AD +B@ -CD + -A @
?@ A+-> @ +B@ A ?@ - +B@ A@ +GJ@ - @ @, B@
A@ D-+@2 C + C@ -CD@D2 -A +B@ >+B-C +G - +C D+-A2 A
,@++@C - ;Q) 8I>-+@D A 0 E -A 0 <!&), (J O)O(2
,--U , U@ A A @A+ -A B@ @+G?-,-.G B B +@?E-D @ 2
B- @ @C2 A-+ + ,, ?JC-E E,@2 +B->.B +B@C@ @@? +-E@
, U - @ D@A @ -C +B@ @S +@A @ - +B@ ,,@.@D @
A., AD @CE ,&&' -C ,)'(T +- U ? ,-A. -A +B@ +@C
% ! 8%,GD@ D ,@(,&'(T +- ? U@ , + +-A@ U J ,-A.
+B@ >C @ - +B@ +@C 2 , - ' 0 T+- U J A +B@ ? AA@C
D@ C E@D " 8: ?(B@ @ C,G @S ?J,@ -CD +C-A. .C->AD
-C E@, @ A. +B + +B@ -CD C@ ,,G -C . A +@D E->+ ;Q;L A
3 B> @++ 2 AD JC-E E,G A +B@ +- A - ,-> @ +@C
B@ @ D@A @ - + --C +BC@@ -,D JC A+ @@? +- JC- @ +B +
+B@ +GJ@ - @ @, A- ,,@DT B--A@C" @S +@D A A., AD
A +B@ 4Q+E E>+ + JJ C + ?@ A+- @S+@A @ > @ A
@ A., A a
? ,, @ .-A. -C@ AD + C ..@D @ @,2
-C . A ,,G +B -A,G + - ? + 2 E>+ A- - +@A +B
+BC@@ -C ->C ? + AD CCG A. -A@ -C ?-C@ +-JY
,
B@C . B C +@C + - B--A@C B E@@A D@ A@D -AY
+ A. @ @A+ ,,G - + - . >, 2 +B@ +@C , A-+ E@ A.
? ,,@C +B A +B@ -C@2 AD B@ D , @+ -A E- JC +
4Q;M A 0 ,(80- +-A(4 4 4 OL; 1b !U--A@C 3 GY
,- @C C-? -C+B 8% C-, A [Q = A
:2 : 0 E -A (<!&), 8 3 (8KMN(OPO 7 @A+ +-
@@ % J+ $-E A -A' , DG B .@A+,@? A +B@ C +
-A+C @C - B--A@C 2 AD E> ,+ +B@ C + - +B@ -C+ E->+
@ .B+ G@ C .- [QL= ?& &' $ 2 3 SM JC 2
6 J-A +B@ =+B A + A+ 0@A* ? A %E D @,+ A +B@ ! --A@C
--D 7 ,,2 - 3 CE,@B@ D2 + U@A EG JC +@ ,--J
;QOP 1 (OO JC 2 B@ ! B--A@C ! ,,- 4Q=4 A 0>,U@
,@G \ %>?? A &"(0 , 8;Q=L(;OM 7 +A@ ->C " AD 2
-A 0- CD +B@ !J@@D @,, ! B--A@C2 A +B@ , ++>D@ PN =N !
+B K+B / G - - @?E@C2 ;Q=; ;QQ= 2 ' B
LLM 7 @ C@ A J A -C % J />AD AD J @A.@C A
--A@C @A+ SJC@ C-? @A .@2 AD J-U@ +B A
! ,,G +B@ SM+B ;K=N 76 ,. &% *) 2 +
+B@ B--A@C "@ J@C> 2 B + ,@D +B@ A+CG @ ;<NK
&! &% * !@J+ ;QK O 0-+B +B@ C B J AD +B@ BY
A. B--A@C @C@ ->AD A. - . , C?

/ ET 0 8!@@ ?-+ ;<N=(

;KPK ^ @@ V KK O ' ! * 2 B@
E, AD A. B +@ A - @C - ?->A+ A B--A@C 2)
1 ?" $, . = $! S ;Q= --D AD J @AY
.@C C@ D@, @C@D EG +B@ C , G +- E@ -A @G@D EG T JC C @
B--A@C " - @C +B C- D ;<) & - B < 0 & 3
SS L=O JC C @ B--A@C ..-A >CA B@D
+B ,, -C+ - +-C@ , U@,G +- E@ C@ I> C@D A ->+,G A.
+ + -A AD C?
$ 1(AD &-1((, &&' D*
-B--A@C C . +@2 .>A @ @,2 G B+2 @ @,
- C -> , @ C@ @?E, A. B--A@C A E> ,D
-C C .
' $ $! &'0 OQ; D? C , 9A- ,@ -A +C> +@D
c B--A@C C . +@2 +B + CC @D + @A+G + @, @ J->AD@C
-A +B@ ? A D@ U2 AD + - @ .B+@@A J->AD@C -A B@C -C@Y
+,@ ;Q) ^ @@ 77) **!($(; Ea2 !S 5$- '
Q !@J+ PQM ; , C.@ c B--A@C C ..@D A-@ 4K<P $,!
' ," ,!0 PNL O? $' ' (? ,, @ @,2 J C+,G I> C@
C ..@D AD J C+,G B--A@C C ..@D2 XK-M B
& % ! &' ;LN B@ c B--A@C .>A @ @, ? D@ +B@ C@ J@
4KQM ') !1 $ SSS 2 c B--A@C G B+2 B- @
B@@+ .,@ ?@D , U@ EC D , +A
8 U A (2 10 ^# -E >C@ -C . A
J@CB A >, > @ - JC@ a E 0 0 T + ,,
., 2 > @D -C , .@C E@@C AD ,@2 AD -A+ A A.
E->+ D->E,@ +B@ I> A+ +G - A -CD A CG +> ?E,@C
8 7 @E +@C2 !>JJ, ;KQ<(E "@A @2 A OC + B > @2
> +-? CG ?@ >C@ 8 @@ I>-+ ;K<M(EG B B
E@@C -,D EG C@+ , A C -> J, @

;KKM ?& &'' = $ " - !0 O; :>,G O = ! @A@ ; E@@C
. CD@A 3C ! B @ +X@C 8C@ @CC A. +- +B@ ? > (/ -+ -
3 @G@CE@@C 3C " --, . A 8@S +@D,G2 A @ - +B@ +
+B + -A,G -A@ B--A@C + AD -A +B@ + E,@ E@+ @@A +B@ + -
.@A+,@ ? @A(T 1@ C@ , C2 + - " E@@C ;K<P 0 0 $!
$! 8 , .- (OL !@J+ = " @ B D + - ., @ - B UG
AD B--A@C - E@@C ;K<M 1 0 Q 3 C O # +B@ @ ^,- ,
?@ >C@ (6B@ B--A@C -A+ A A. O= ,> D ->A @ 2 -C
O =VP+BW ? J@C , . ,,!_ - >J @D J@CB J +B@ ? - + JC- ? A@A+
J, @ 2 E@) ->AD A @ @CGD G > @2 >AD@C C -> A ?@ 2
+A -AD-A2 , .- 2 E@CD@@A2 AD @, @ B@C@2
$ & - 10 /
" $

4K<L I 3 9 ! $(S P< : B A. E .
+ ?@ J-C+ A. C->AD B--A@C B-> @
/ ! $ $ / ! $ $
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! - B - C@C2 -E) -C)J B C -? A 8 @@ 6 0 0 (+0
, S) K A / -C - A B@AD (8;<N=(
) L B + ,, +B@ 7 -?@A !@C A+ >AD@C +B@ / @.C@@ -
%B ? E@C ? D E@ @C+ A,G UA- A " +B@ C A ?@ +- +B@
!+@ CD22 AD A- ! B@C@C +- E@ D? ++@D A +B@ B-> @
! B - C . @2 -E $ * , 1(
! ,S - C, 8:) +,('0 5-C? W -B-@C,2 K <
B C,2 B-C,2 Q Q ^ <$,.& ! A +B@ K+B
, - , ! (, !(,) !(,) !" ,.) !(,
,. , & ! , .(, & ! A ;M+B ,) ! - -E >C@
-C . A 5C-? @C C@ 5 , & !(! .& !0 / 2
.%" !0! ->C? , A@2 @ J +B@ E, U C @+G
5-C? @C,G JJ, @D ,-- @,G +- C -> -+B@C ? A@C , 2 @ J
+B JC@ S@D D* 2 A , & !(A ?@ -C ,E +@2
?!) C)C)B >GA@2 @+
Y$>%$ &) - $! ' - C !0 $ ' 0 ==M B@
? A@C - @C? AG >,. C,G ,, +B@? ! B C,2 AD -?@
+ ?@ ->C A., B ? A@C A ?@ +B@? %- U,@ AD % ,, a
;QQ<C !0 $ ' 0 4 4 O= + @ D@A+ +B + U C, -A+ A
A@ C,G ? > B @ C+B - ,,>? +B@ %-CA B J-C @,, A@
, G ;QK= B.. +C ? - $ ' > C " 0 . -0 0
!OP -C? B B2 @ @A ? -A. +B@ E-@C, +B@? @, @ 2
@S+C@ ? @,G C C@ KSX C &!0 ; LO B C- U
B @ ,G -?J- @D - +B@ -??-A E, U B-C+2 +B@ E, U
+->C? , A@ - " >G ;KPP 6 .) & ' 2 $!! QO ! B-C,
? G E@ -E @C @D E@+ @@A AD JJC- B A. +B@ *- A+ -
.C A +@ A ? AG J, @ 2 2 -C @S ?J,@2 A@ C +B@ -. A
+-A@ ;K<= 7K< B.) 0 $ ', X-M B@ @
C@ AD +-A@2 B-C, 2 AD D G
! $ & - 10(R W) " $;KKO(D
$

KXS C &!0 ;LO !B-C, C- U ;KLK ..
! - 0 < & ON; ! B-C, C-D@ AD B-C,G . +? +@ SKK
< > 5 ? . 0 < &!0 e M ;L= ->C? , A@ C- U -C
B-CBC- U2 CG + ,, A@ ..C@. +@ - I> C+X AD E, D@
+->C? , A@ -C B-C, ;KKP !& 0 ;; e Q 8@D O(;L; ->C2
? , A@ B + 8 ! B-C, B +(
! E - C, @ - A ,) '0 ' K B
K $ *** , . $
;Q<= - 5 ' ! - 0 '0 8@D O(K< ,EC-> -C +C +@D
, ?@ +-A@2 B B -A + - E)+ A@ -C B-S, @-> J C+ Y
,@ 4KL< . 0 < &!(& ' 2 $!!(@+ ;PQ
+ @CG C@ I >@A+,G J-CJBGC + AD B@C@ AD +B@C@ B-C,
@-> SKKM 5 " B . A ' $!0 $ 0 / @ Q< B@
E, U B .B,G B-C, @-> C- U
+! I # C, +@ '0 1 0 , - K B-C, +@ ^ D
, & ! 89, JC-+B ;QKK(@@ AD "
E a j
;Q<=) : 8 ! - 0 '0 8@D O(OKM ! , @-> .@A>
! B-C, +@ A > E,@ + ;MKH AD A- G ,+@C@D EG B@ +
OKO; # ;K< ! B-C, +@2 -C ! B-C,-> -J X
OKLD '0 < &!0(@+ 2 OP= &G A +@2 -C ! B-C
,-> O@CG, ! B-C, +@2 $ ' '0
! , - C, - ? +@ 8:J ,D? +('0 , - &% 0
B - C, ? +@2 B - C,@? +@ ^CC@. 0 &
A ?@D EG !B@J CD ;K=M C- ? + C@ @?E, A @ +-
+B + ? A@C , _ +C@-> E, U , +@ - + Y
+ A > ? 2 C-A AD , > ? 2 C@ @?E, A. . CA@+
;K=M % 6 1) A - 0 " !0 0 !@C OPO
5C . ?@A+ - J>C@ B-C,-? +@ A A B A D ?@+@C2 ? G
E@ D@+ B@D C-? +B U@,@+-A CG + , ;K) : (. ! - 0
'0 !JB@A@2 + A +@ ! B-C, ? +@2 E, U B A A. 2
C-? CU A 2 C@, +@D ;KKL ' ," ,!(? 0 4 , =OM O
! B-C,-? +@ 85@CC-+ + A +@(&@CB J + + A @C-> . CA@+
9 S / $0 $0 1 (K $ H
$L 7 ! 3 $
;KSM # " ('0 8@D O(M; B >E + A @ 2
? .B+ +B@A E@ A ?@D B-C,-> +-J X K C ^ @@ V
! - - C,G 2)W '0 1 0 K $ R 7 $H %$G $L
%-A+ A A. B-C, B @ ,G A , & !" $ ' 0
$ J B! ! - 0 < &!0 ON; 7 B@A @ *) AD ? C@
, - JC@ @A+2 + ? G B@ ,,@D B-C,G .C A +@
) / / ! $ $
) /

,! B - + B @)@Y @/ 10 K $ 8 b(
, & , 8 bX(2 +B@ ! -++ B D A @
B@ I> 5C JC-A>A + -A . @A E- @ +B@ *3 @ , A.
-A@2 E>+ B A- *> + + -A +B@ -C? > @D A 5C ,& (
C@. CD@D A. ?D JC-A->A @D 8 U b+O+(++CD . @ , -
+B@ @? @C? A J@,,) , & (d ,.(+B +B@
?@ JC-A>A + -A A @C? A +B@ JC-A>A + -A 8 J + (a
D A @ - -C@ . A -C . A C@ @?E, A. +B@ J -,U 2
C + A+C-D> @D A A., AD ;K=K ,) +B@
?> -C > B D A @
4KP< . * &) ' !&,. 8SKM (O<< A D@J+ A +B@
, & , 0 SKM ' - OP : A + L J @ &-,U
%C@ ?E, A+@ 2-C ! -++ E: , - O-B@A6 A)+ -A ,D A @2
AD EC->.B+ ->+ A & C EG %@,, C > +A OK== SK)
,A $ ', $ ' ;MK B@ ! B-++ B@ @CG
@,D-? D A @D A- A + -C C - , -C? B@ D A @ -A
+ - + - D + A + J C+ B@ C + J C+ ? G JJ@ C +-

E@ C @C+ A C@ @?E, A @ +- +B@ J-,U E>+ +B@C@
-A D@C E,@ D @C@A @ A +B@ A +>C@ - +B@ ?- @?@A+
E !$ ' -C ? $1 ' & $! , & , , @,G
D A @ C@ @?E, A. +B@ " .B, AD , A. ! $ "
, & , D A @ - ?@C A -C . A
SKK &, " OO # +2 P O B@C@ @C@ ->J,@ - C@@, 2
" .B, AD ! B-++ B@ ^@+ a XK<=) $ ' , ' OL=
B@ 3 , + CG ! B-++ B@ -C 0 CA E A @ UA- A +- AD
D A @D EG +B@ ?@C A , -A. E@ EC@ + E@ ?@ .@A@C ,,G
^,-J>, C - @C B@C@ 1 0 ;LQ ! -+ B ?> A +>C ,,G +B@
?> ? - + > + E,@ -C +B@ " .B, AD ! B-++ B@
! B - ++ B @ 8 a(2 0 ^ JC@ a ' 0 -
D A @ B-++ B@
;KQ = A1 ' '&,0$ & - S A &) ' (
@+ 8;KKO(L=N2; J-,U@D AD B-++ B@D +B +@J J@ >
, C +- ?G @,] AD +B@ U A. C--
! , -) 2! - B - >C. @ @@ M ,
! @E - A + 8 U >+2 A / > S->+(, - P M ->+@2
M - +@2 Q < ->+ ^ / > .&) (3 / > .&) (
, &) (, &) (-CC@ J-AD A. +- # ! ,)! 3
& 8 @A ,(2 3 ,.)!! (,)!! 8? -D
,)! +(# 2 ,)! $ 8%-CJ> , (2 ," ! Y
5 $(3 !$(#5C . ! $%$(. ! $(# " ,)!
0&(^ 0& 8 3 " ,.)E 0 (^ 0 (? -D
,.)E (,.)!0(,)!0 + # @>+ +GJ@ T .)! 3(
.)! & $ &' (3 &' 3(%0T .)! 30(.)! &1! $ &'(
D > + G 2 + - - ? ? AD 8 @@ 7 . %0
?@D ,)!) 0c] ? >A J , -C D? A +C + @
- @C A - %->A+C @ AD A / >+ B -,-A @
#C . A ,,G +B@ .&) +B@ ,-CD E , A >E*@ +
+- A -C ,, .@ A , +@C > @ +B@ >A + -A AD + +> -
+B@ - @C - A ?@D B @ C @D -CD A. +- C ?@ AD
J, @ ,) ,G B @ +B- @ - +B@ A., B 1$! %%(+B@
+@C? -?@+ ?@ D@A-+ A. ? >A J , D .A + CG - B .B
C AU2 AD -?@+ ?@ ?@C@ J-, @ - @C
, L L L $!&) =L 0 G,,G@ 2 ->+@ 2 ! - ?@ -
+B@ U@JGA 2 $GD@ +B $H & - &! > &'(=H ` 5H+ C
7 @ , +@ G-> @+@A A E@CGA. +A@ @ AD @C+ ,GA. -C
+C->@+B +B + G D G - +B@ D +@ - +B@ @ JC@ @A+ E@ -C@
->C@ ->+@ AD AD JJ@C@D +B@ @ J@C -A@ ;PLL
: A ,, 0 0 !@C C@+C @D +- +B@
! - +@2 E-C- ?? +@C 2 AD U@JGA -C +B@ D +- A@ -
O C- @ ;MSQ = '0 ;;; OKP @A :>D.@ - C ? A ,,
> @ 8 >,. C,G ,,@D !U->+(;MQN 1. 0 &
" 0 & ;P >. 2 7 U ;QON OLL B@G D +B@ 3 . Y
+C +@ D D A-+ UA- +B@ 3 A2 A-C AG- +B@ C # @C O>+
->,D @AD -?@ E-DG +B + D D +- +B@ - A B->)
+B@G ->,D @AD +B@ C ! ->+ +B B ? +- @S@ >+@ B +
D@ C@D ;MQL] 1 0 ! ' C & 0 KO B@ ! ->+2 B-
+ U@ C@ - +B@ &@ @2 @ X@ ,, %C ? A , 2 AD @@ +B@
!@A+@A @ - :> + @ @S@ >+@D2 AD B- @ >+B-C +G , U@
+B + - !B@C A %->A+G +B > 2 -C %-A + E,@ A
J C B ;KN< 8 @@ 1 V ;KMQ 3 $!& > & 31.0(
, &) (+@C E , A ? AG A-C+B@CA >C-J@ A J-C+ 2
B- >J@C A+@AD +B@ J-, @ -C @ ?@A
! B - > +2 ! $, $
! - B - 8@2 ! $ $)
! B - B@2 ! $ 3 #
, ;==N C & - *(C$ - 0 K= O %--2 E CD@2 -C B- B@2 - ' 3
) !$('& !$0
! - B - AD2 ! B - A @
! B - G8@2 ! +D -* ? @2 ! $
! @BC D2 ! - BC@ ? @2 ! - BC@ J @2 ! - BC@@A8@2
! $ " $
! , C@ E@C +@)@ ! A .$ '0 K-
3 , 1 (: $L ''
$
4K=M % 6 1) A - 0 " - !0 , 0 !@C)LKL
! BC@ E@C +@ SKMK ou ! - 0 & ' 0 LSK O@ D@
+B@ @ >E + A @ 2 -?J->AD - C-A2 JB- JB-C> AD
A U@,2 ,,@D BC@ E@C +@2 .@A@C ,,G ->AD +B - ? Y
J->AD >AUA- A A +@CC@ +C , B@? +CG
! - BC@J@2 ! $ $
1 / ! $ * M
/)? / ! $ $ $ -QC 10
) A $ 1 0
! B A ? D 8:CAAD(^ @C a C@ @
;KQ; $ 2C , $ - 1! $ - $) !* 5 0 8;2NN(OML
BC>AD ? J,G E . C@ @ ;KK=] A <&& %C&
5@E ,- ! BC>AD -C .C@ + C@ @
! BCG B@2 ! $
! - B > @2 C , ! - B > - B@2 -E ,
! EB > B@ - A2 - A2 -E -C? - ,
! @E A + 8 U- +2 CV> S- +(, - ; -> +2 <
-B>G+ / > ,) (@ C, @C ,) " 3 / > , E (
D-J+@D ? A. ,) (,&) (@+ 8 @@ ,
; D % , ; IV / >+ B , + E-++- ?@D
C @C E- +
SMMM &$ 0 < $00 - OK O B@C@ @C@ @ @A -C@ .B+ B>A
DC@D !@ ?@A @A+ C-? $-++@CD ?2 +B S+@@A -C + @A+G
! > + 2 AD + - 3 @A - 7 C ;KLL = C 0 - *!
SS " @' E> ,+ , U@ / >+ B B>G+2 .C@ + EC@ D+B -
E@ A> AD @CG I > C@ +> U ;K<< ,$ - " ;K - 2 PMQ ;
B@ / >+ B @@ B>G+ ? , C +- -AD-A@C
! B > ,2 ! - E > ,D @2 ! $ $
! - B > ,D @C@ 1 0 $ 0 , 3 2 2
10
, [==N C & - * 0 C$ 0 KM O %--,D@C2 B>,D@C@2 0* & $0
! B > ,D 2 3 ! $0(2$
+! E A ,@2 0 1 0 $ 0 ^3 , ! ($
T , !$ ' (T , !$ ') 2 !/ 1 , " !$ ' +($
, &! 1 2/ ! " $ > $ # " , ! ' 8 3 "
, !. ' ($, $, ! ' +06 ' 0 &!&&. ! " 2$
$ % 0 0 O;N !>??@ ,>.+>C E@- V@+ A@ UAAA@A
@?@A - A-A -6@C .,@- B>+@A ? U @A CB@C@ 2 \ C@A B@A

? B@C@ ?> \ B>,@A ? D B@C@ @ @A 1 0 OSO Z, L
B@C ->+ +- @ D +@A2 -M@C ,-D6 B2 B D@C CD B@- E>,@ !
? D @ !@C @ @A
! B A ,@2 ! - B > 6 @@ .! ..! 3 .!
+ ! @E A 6 @ 1 0 $ Y 0 ^3 f 3 / > 2 3
,)!! (, &!! 8? -D / > , &!+(B@A @ ? -D
, &!! (% / .)!! ( )! (-C .)! $
8 @A(a J, @
$;LNN $ B !&. QP< J@ O>++@2 B@ B>,,@2 B@ B-CA@E U@
! B > ,,@ @@ ..! ..! .. $00 B..
! E > ,+X@ j 8:>,+ (^ B@ A ?@ - D> CD
,)! O (+B@ A @A+-C2 > @D ++C E a ,) E$ 8 , -
,)! O G +) ' *&2 (*&2 A @SJ,- @B A.
A +C-, . A A + B @ -A + +>@A+2 C + ? D@ A
A., AD A ;KML B@A @ ,)! O ,$ (-A@
B C.@D +B +B J- D@C
KKX < F bb LO[! B>,+X@ J- D@C ! B>,+X@ .>A
J- D@C ? A> +>C@D C-? , .B+ ,EC-> --D ;KKP
! LO : A OL< O< B @ > @D , C.@ I> A+ +G - ! B>,+X@
C+C D.@ D>C A. +B@ J + @ -A
! E A , X +@ 8:>',+ - +('0 ^ ?@D +@C +
D - @C@C 7 @@ V I <
%]&: (. $ ' 0 ' 0=KL @-UC-A +@ - >C + 3 @CDD -
A , +B . ,@A = ,)!0 +0
! B > A D@C2 C2 -E ! -C? - B) 4
! - B > J8@2 -E -C? - 1 T ! 1
+! E + C 1 0 $ 0 ^ f 3 , E (# " 2
, >(+B@ D@C + @ # " , $(, (
? -D ,) $ $00H B@D2 B- @,
$5 &&3 & ! 5$ ' =N=< AD) +LPH B@ D B ? A
B>CCG ^-C .)) $] +- B@,, \ +- >@ %] bb A
!+@ @A -A ' $!& % &) ' <!&), SK $ %@ " A,@G2
>++@, C2 +@A@+ >A>? >C+,, .>? >? @E>C
! B > C . @2 ! - B >) GA . @2 ! - B > C, A . @@
B 7 ! B77 7! .
! - E > +2 -E -C? - B 1@
! - B > +@2 C A+ - B
c N + , ! $ 0 LSQ B@G J E@+ S+ + - C- U
A +B@ AD A B>+@
! B > +@2 -E -C? - ! !
! B 2 -E -C? - ! 8
! E C + X @ ? E @ C . , @ 8 C+ ? E C. +(
'0 ^ ?@D EG / A 2 ;KMK2 +@C , 2 $ O - 3
1 (+ D - @C@C @@ " V #SG B,-C- -D D@
- ,@ D2 ->AD A ? ,, G@,,- CG + ,
;KMK 0 8@D P(;ON ;KKL ' , " , !0 ? 0 4 LKP2
! B ,@ @@ 8 .
! @E +X +@ # @+ +('0 , - @CC-A
-B C+X + ^ ?@D A ;KPL2 , 2 $0(GC-,
B a ?@C >C , C @+G - +@+C B@DC +@
$ > $ ' 0 ' 0 D C & 0 ;PN , 2 $ O 0 $ O$
! 1 **! . - 0 NQ ; 3 @C >C , B, #C@ E)
E@@A A ?@D !@E +X +@2 C-? ! B +X A GC-,2
! @E @ X@C +@ 8: " C- +('0 ^ ?@D
A ;K=Q +@C 3 , 2 0 (+ D - @C@C @@
ZQ V Q< Q ,> -?@ C@ @A+ / @+
! E C@ > D @ > @C ? 8: @AD@A C X ?(^
, - ' ' . 3 B@ +B@-CG - ! ! B @AD@A@C2
@C? A E-+ A + 8;KO< C (+B + , B@A C@ J C Y
+@ >A. .C- A. >J-A ,. @ 8 @@ I>-+ (
5! O ' , " , !0 ? 0>1 0 " 0 PPM O -+ E@ A. E,@ -+B@C @
+- ->A+ -C +B@ -C . A - +B@ .-A D 2 AD -,,- A. >J
-A@ -C + - ,+@CA + @ J>+ -C CD EG / @ O CG B@ 8XX2
! B @AD@A@C: JC- ? >,. +@D +B@ BGJ-+B@ A- ? , C,G
UA- A ! B @AD@A@C ?
! B @) AU @,D@C , - ! - B @A - U @,D@C2
! B @AU @,D+@C ^ @C a G 8 6 .)
N N < .$%%> ' , " , !0 ! 0 V ' & 2 !0 O=N= B@
! B @A U @,D@) D- A-+ -E @C @ +B@ C ?@A+ c]
- ,$ ' OKN B@C@ C@ @C? A 2 , -2 B- C@
! E @AU @,D+@C
! B @ > U @ ,D > 8: @ I U @ ,D) (2 10 AD $0
, - M [> DAU 2 ! @AU 2! >@A. @,D >2! - E >@AU
,D A2 %0 ' $ - , 2 ' . ! a35 0>] A0 10
A@ - @ + ->AD@D EG % J C ! B @AU @,D2
! ,@ A &C-+@ + A+ ? G + 8;=) ;PM;(E $ %0
O@,-A. A. +- +B @ +
OPMO +C " 2 ! *&!0 ;< E2 %@C+@A A@ @ @ +@ A
E J+ +@ 2 [>@AU @ D A OPM= ') 7 ' ` 0 " 2
$!! ' S ;P= B@ ! @AU @,D A OPKQ 7
' 0 2=O 7 B- , A-+ @ +B@ ! C ?@A+ + ,2 E>+
-A+@? A@ +B@ ?2 +B@ !@E>@AU , D A ;KQM $.
' ' % ! 0 &, 0 O=L A 4 b -C+G ! B @AU @,D A
? , @ +C @,,@D +- A., AD2 AD AA ,,G @? .C +@D +- &@AAY
G, A R&& ' , " , !0 ? 0 4 4 =ML O ! B @AU @,D ,@ +
E@B AD B ? @ + 8 B- @C@ ,,@D >E @ I >@A+,G EG -+B@C
! B @AU @,D A E>+ B- ,,@D +B@? @, @ %-A @ -C -
+B@ ,-CG - %BA +'(
" @A @ ! -, @AU @,D ++
OPQ< 0 C$* (& * hd &(K; @ +-C A ?2 >+G
B A ?2 !>@A. @,D A ? AD +B@ , U@ D ?A E,@ B@C@ @
! - B , 2 -E ! J 3 . ! - B ? @2
! @E + @@ B ! ! B GA@2 -E !
& '3(@@ ! - EG@2 ! BG @2 ! - BG.) . @2
-E !912 3 ! 7 ! - BG,D2 MC2! - EG,8@2
! EG,,@2 ! @BGA2 -E .)! B.) ! ..!
..! !) BG > E ,D @2 E! " D2 E D@
@@ "
i ! @E C D2 UG > D . ' " AD !$ ' (1 0
, - - B - AD2 B - AD ^C@JC # ! " ' J@CY
@J+ -A2 A 3 ! @S ? A + -A2 A I > CG a I > - +
% b&$, - $ 1(

;PQM' A'&** 0 . ' " 'N ! 0'8;KP<(PK 5-C ? U A.'-'
+B@ D ->A'-'+B@ D' ,C B+J2 ,6+ A@ ! B@ AD' 61
B@ CD' -?J@,,+ B ?'+-'J G' A@ -S JCG @2 X] +BC@
D-,->C 2 -C B ' B@ AD' @@') '%' (X-0 A@ EC@ '-
D ->A2 ,,+ A' /@A? CU' AD' -CC- G' A@ !E- AD'
0 ,,' ;KP< / ' .6 B ' 1 0 -' ;OK' , "' ' , L' '
,&2' (A' AI>@ + - ' BA.?@A'+-'@S ? A@2 A + -A2
AD' -A C?' ,,' JC- @D>C@ C@ J@ + A.'+B@ !> @ -A2 ?'
J .A-C + -A2 -C' ,@A + -A' - '"@C + .@' A @A+,G'EG' '
hL&,' D--?2 E>+' C@ I>@A+,G' 8 +@C +B@ @ -A' - '+B@ ! -+'
+ B' : C, ('EG' ' !UGAD EC@ '-C'T ! BGAD' 0 ,,'' ;KKL' : '$ '
>+S($' .' " '%"' !0 ;K' 'D J>+@ ' C- @ '+-'+B@
D>@ D -A' - '+B@ JC-J@C+G2 + ' @++,@D' EG' ' ,. " ' (-C
AI>@ +'B@,D'EG'+B@ #D ,,@C ' B-' -A + +>+@D'+B@,- ,'
-C' ->C+ - '+B@ D +C +

! BGJ2' !$ ' $' $' ! -B JJ>A@ '
$$ ' ! BGC-B@2' !$ $ # , ' ! -BGC8@2'
! -BGCC G2' ! -BGCC@ 2' !$ ' $$'
! -B* +,@2' ++G,2' ! -BG++@2' !$ $
! -BG+G,,@2' 3 $ '$(! -BG+X2' !$ '
9 ' ! BG @C2' GC2' !$ $)
! -BGGD' '

i' $ 1 0 $ 0 ' 'b $ % '
K O/ $ ' ' ' $, $') 'C ,"'
$L G ' $

,';=NN $' $' >' -%%0 'S';QM :V@ J, @-'B@ -A >A'
->A'-'B@ @ E--A@' ' ,@J D' B-' @' 1 0 ;QQ J +--A'
@GA@'B@C-' ' ,@J D' + 2 \' B + - @C@' ' ,@J D'C@A , 2
M ' --A' @GA@ @C>@B' -C'B@ @2 \' B + -B@C' -C'B@C@GA@ '
;!=;' $ '%-5 /' <)B" ->' A) ') (9' *E' B@
.C@ + -+@ , +@+B' C-'+B@ -GA+'-'+B@ E> U,@ ,,@D' 2
A+-'+B@ @CD@ + J C+@ - '+B@ +-@

'! @A '8 CA (' ^ 2' ' C'#9 ' B2
J@CB'+B@ ?@ .C@ a' ' A'+B@ ;K+B' ' 'A ?@ -'
+B@ : ' 1 0 E ' A' ?-D' @A+ '> @2 +B@
A ?@ -'+B@ .@A>'+-' B B'+B@ ?@ .C@ 8!2$D) !$+'
E@,-A. ' , -' ' B'-'+B '.@AA
;QQ='<' .) ' $' ;8;KO=('MO B@ ! @A '
! A- D' 8 A- D(2 $0 AD' 10 , 0 ^ '
!% 'i' # ,(' % '5' ,E'& 3f '$ B0 O@,-A.Y
A.'+-2 B C +@C + ' - '-C C@ @?E, A.' ' @A- D'
-C' +B@ @A- D' E' 10 ' B'-'+B@ ? ,G'
, - '?8-' B B'! ' '+B@+GJ@(
;K=N P 8 ' &' & (;NN' ! @A-D'^@+ a' ;KML' '
< ..'A'C &,(,$ 0 $ ' 'C !$ 0 OK % + ,-.>@-'+B@
-C+B' ?@C A'! @A- D' 5 B@ ' ;KKN < B ') "'8 '
'=0Q -'+B ' B'4C& ' $', &- ,'?-C@ @ J@ ,,G'
'. @A'+B@ A ?@ - '/C>?'2 C-?'+B@ @S+C -CD A CG' ->AD'
B B' C@ JC-D> @D'EG' +' AD' -+B@C' ,, @D'! ?A- D

,! .@' 8 C)(' ^5C 2' ' , ' +-' a'
A.'?- @?@A+'- '+B@ B AD' > @D' A' ? .@
$ /' ' = 7B ' $ $ '8@D'=(=M! .@' ' 'JC@ >C@
-' '-?@ AD .-'?- @?@A+2 ? , C'+-'+B@ + -A' - ' 2
AD' ' JC + @D' +B'+B@ B CD' D@ -'+B@ B AD' ;<NN' A'
K 8(' ' 0

+! A ? 2' .C A > + 2'@+ ' B@ @ -C? 2'
B B' +B@ JC@ , A.' C>,@ ' -C' +B@ +C@ + ?@A+' - '
-CD ' - ' C@@U' @+G ?-,-.G' ->,D' C@ I> C@ A +@ D'
-' 9 "'@+ 2 D-'A-+' JJ@ C' +-'B @ E@@A' A'
+> ,'> @ D- A'+-'+B@ JC@ @A+' + ?@ 8;<;N(' B@
-CD' C@ +B@C@ -C@ . @A' A' +B ' / + -A CG' +B'
+B@ J@,,A.' .30 B@ -C? ' 9 $'* $ '
@+ 2' B B' C@ ,?- + >A @C ,,G' D-J+@D' -C'+B@
+@C? ' C@, + A.'+-'+B@ JC-D> + -A' - ' J +>C@ 'EG'
?@ A' -'+B@ $-A+.@A' C G 2' C@ . @A' A' +B@ C'
,JB E@+ ,'J, @2'+B->.B'@+G ?-,-. ,,G' D@A+ '
+B' $ '@+ a
'8 .C (' 5-C? 'G -. JB2
_/ & $ K ') ' ' ' ,$ 2 '
T$- "%-d!L&"+' $.
' ' ''C@JC@ @A+ + -A' - '+B@ @ + -A' - ' 'E> ,D A.'
1 0 ! -'5' ,$ $* 0 8% ' $!'O E (
$%/%' . B '<!& & 0 ' , $ $* ' = , $* ' 'D@ C JY
+ -A'-'+B@ B-,@ C ?@ AD' -A+C A @-'@ @CG'C--?' SK '
A' # C 2 !>JJ
i'/' 'D .C ?' 1($ Y 0
$%/>'#K X . V & 0 , 0 ;Q2 'D D @+'U@CA@,'
-'+B@ A@ + -C+'- JJ,@ 2 +B'D@, A@ + A.' A' ' -.C JB'
+B@ @ @C ,'U AD' A' @ @C ,,'J, @
'J +>C@ -E+ A@D'EG' ?@ A' - '+B@ $-A+.@A'
2$ ' 9 $
;K<K' $!"' 2 'S JC'M)' B@ E,@ @ @ + - '+B@ 4'
$ G' ' -A,G ' B D- ' +' 'A-+@A->.B' -C'+B@ >C.@-A'
+-'B @ ' A@ ' .C JB!<N4' $) '#7 # +'MOP ,' '
.C JB' @SB E +@D' E@ -C@' '?@@+ A.' - '+B@ [--,-. ' '
!- @+G

! '8 b .C (' $ 0 ,-' '
D- 2 ^ ' C' d V$"* d*3-(, +@C' $5&"*$d*&' 8 '
Q ;N B D- 'i'3"*$ *&'D@J + A.2'@+ ('i' ' '' @@
$ &" $a #A@ B-'JC + @' .C JBG
;M<N' 3 B ') 0 $ 0ONP B@ -?J,@+@ ! -.C JB@C
A' > @ +B@ !>A' + -'+C @ ->+' B ' G'>J-A' +B@ I C+B'
AD'EG'+B@ !B D- '-' A' S 2 +-' J- A+' ->+' +-'>' +B- @
+-?@ '- ' ?@ A+-' B B' ->C' C+ ' / G' 'D D@D'
KW-' ' +C' 0 0 E!! ' ' ,0 'J ;LM ;;L' J-,,-'
D-C>' -' +B@A 2 +B@ .C JB@C2' '+B@ C + B-'D C@ +@D'
'D@@J@C' +>DG'+-'+B@ .C D C -A' - ', .B+' AD' B D@'
8 b .C@@ MU(2' ' , -' K- - '
AD' @ ' 9 , $ ' ^ ' C' V"* d%L3&' 8 @@'
JC@ (' ;N a # '-C' J@C+ A A.'+-' @+))) JBG
;K;P $' 8 'C ' 0'C $, 0'C * , 'O ! .C JB @
&@C J@ + @ '+B@ C+ - 'JC-*@ + A.' B D- '-'E*@ + ' C-?'
',>? A->'E-DG' ;KMQ ' % ' 0'?$ "'S' ! - '
.C JB ' AD'-C+B-.C JB 'C>,@ ' AD' G +@?

8 ') 9 ./ $0 ' '_ '
' $ K ' ' $H* ' . ' ' '
' 2D ' ' ' $ ' '
;M<N ! . ') 0 $ 0 'M<K B ' ! - .C) '
C+' 6C' / ,,A.a' ;QSM' 3 'F , ' '0'? 0 ,,' QM
B@ @ ! -.C JB ,& ?JB,@+' '^C@' -A' / ,, A.a' @C@ C'+
+'+B@ D@ C@ - '7 ,, ?' G,@C' ;K<L' & - . !! $ T :>A@
MLL' B D- G' C- 2 +'EG' C- , .E+ 2 -A'+B@ B@ +'-'+B@
@A+C ,' J6 C)'-'+B@ DG'%B J@,2 B B' >C@,G' '
.C)E ' >C - +G
"@A @ G S 2' " ' %_<_' A'+ !') C' $
2) 9 .$ ' M &
2/_/&' 2$ ' ' 9 $(!'
K$ $,$ $* (,$ $* ($ O$,$ (,$Q
$* ($, $ >7 / d V&"*$d*$($ $- ($-&3
"*$d!L&M ' $.
:$ G ' ! ' ' ' ' P 3'
1 ' ' 1 ' 5 ' ' 1 D /
!5 ' ' 3 ' 1 ' '
' ' $ > $ $!
;P<K' $ '(! 9 '+C' &'$00&' 'SS '[QL' ! -.C JB @
+B@ @ -AD J C+' - '&@C J@ + @' -A D@C A.'+B@ @,'
?@ C@ -A'-'+B@ E DD- @'-'E-D @ 2 B B'/@, A@ + -A'
-C' DC A.' D-+B' ;MM=') ! '+C' ' (;OO'
! @A-.C JBG2 -C' 8 ' -?@(! .C JBG2 B B' '+B@ ?@
-E*@ +'@,@ +@D'>J-A'+B@ ?@ DC >.B+' AD' @A+@C A' ,,' + '
-J+ ,' ,@S>C@ 2 D ? A>+ -A' AD' B D- 2 ++- .@+B@C +B' '
-C@ E-C+A A.'-' '+B CD' D@2 -' '+B@ B-,@ - , D' -'+B@
@D @ E@ -?@' E,@ A'J@C J@ + @' ;QKK '8 ! '+C +C2
C &,!) ' 'QK^#J+ a' 'D D@D' A+-'+B + B B' 'JC-J@C,G'
,,@D'-J+ ' AD' A+-'>A @C ' +-J+C ' '-'A+-'
+B + B B' ,,@D' -.C JBG2 -C' +B@ D@, A@ + -A' -'
B D-)' ;QKN "! '+C' ! ,,>' ' ' 'O @+'
+B@ C B +@ + C +'? U@ 'DC >.B+' -A'J J@C' -'+B@ A+@AD@D'
-CU' '+B@ BA-.C JBG '#0 #C+B-.C JBG ' L' ! Y
.C JBG2 -C' ! @A-.C JBG2 B B' @SB E +'+B@ C-A+' AD' +B@
D@ 'C@+C A.' A' ' J@C J@ + @' @ ' ;KLL' M ' H'
! -.C JBG' -C' S ?J,@'-'+B D- 2 AD' $>,@' -C' B@,C'
&C-*@ + -A' XKMK $ '%' JA 9 ' ,$ $* "' A+C-D 2 B '
'E--U' D-@'A-+' +C@ +' >J-A ' A@ C &@C J@ + @' E>+' '
, ? +@D'+-'+B@ J@C J@ + @ JC-*@ + -A' - ' B D- 2
,E ' !% # $ &" '
;KPN ' '+C' 0 0 !! >' ' ,0' 'J LO='LKN B
. @C @+-' ' @J C +@'EC) @J- 'J@C J@ + @'J A+-A. 2 @*-'
.C JBG'-C' .C JBG2 A' B B2 ?-C@ C@ >,)' AD'D@,,-)@
D@ .A' ' C @D'+-'+B@ ++ A?@A+'-',,> @ @ @ +' -C'
D + A+'E@B-,D@C'>A U ,,@D' A' C+
'R$ ' 2 2'G ' I
' ' 1 $
;ML< ' & "' $' ' ,'S ' @+'+B- @ B-' C@ D@Y
,.B+@D' '+B' ! -.C JB @ J A+ ->+' '+B@G' J,@ @(+B@ @
B D- J +C C B
: ;$ '' ' ' $ 0
MSS'%-$1 ') '=KM &, +@2 '! -.C JB @ -C 3-D@,,
- '+B + +>J@AD ->' @ @,' B B' ' + +B 'D G' B@ @D' A'
+B@ & , @ A "@ D@,E@C.' (9& % * 0 '
6)! 'C,) ' "-' '?' 'C E+' B@A' 'D-' E>+' @@
B@ & A+@C ' C+'A'+BG',! ,-.C JBG '
! $' *5 $ ' 0
B@ -A,G' @A @ -'5' ,& $* '. @A'EG' ++CM'+ ->,D'
JJ@ C'+-'B @ C @A' C-?' -?@ ? >AD@C + AD A.'-'+B@
+ +@ ?@A+'-' A @A+' C +@C 'C@ J@ + A.'PV$"%&d% $0
4QN=' : (' 50 , '0 2 ,$ $* "(0' C BY
+@ +>C@2 ' ' -?@+ ?@'+ U@A' -C'+B@ / C >.B+'-' '0> ,D A.'
>+' A' + ' @A.+B' -C OC@ D+B2 +-' B- '+B@ A D@'-' '
, -'+B@ B UA@ '-'+B@ 7 ,, 2 >,+ 2 \' ;QPP' A'R 0
' ,$ $* "0
: $'' ' / / ' $ > 2
6 0 1 0
^[ML=' 4 GG -' -0 , 0MP @+'A-' ? A'+B + A+@AD@+B'
+-'E>+ ,D2 @+,@ B '5 A @ J-A' 'DC >.B+'-'+B@ 7 -CU@ '
-C' J-A' 'E C@ &, A+'+B@C@- 2 '+B@G' D,'+B@ ! B-.C JB '
-C' C->AD' A@ a' ;MQK #, M ' ' !!0' " 0 ;=M >@ C +'
-.C JBG' AD' C>D@ D@, A@ + -A' - ' +B@ ?@ ' ;MKL' .!"'
- & $ 'OO "@C@+-' ' DD@D'/ C'!, D@ '! .C)G'-'+B@
>+C + -A'J ' A? ' , M'M ' ! 0? ' ;S'
+>C@' E@ A.' A-+B A.' @-'E>+' '! .C JBG' -' / A +G
;QL[L4'+ ! ' ,$ $* "('JC- ,@ -C'J, + -C?'+B@ @C +'
C>D@ DC >.B+' -+' '+B A.' ;Q)'T ' 6' $! '8@D'O(a'
==P AD' +B>' ' ?> B' -'+B@ ! -.C JBG2 -C' -'+B@ C+ '
AD' C B@ +-A 2 ,'J C+'^-'+B@ &GC ?D a
=#$ G ' ' '
' 2 ' '!2 ! 3 ' ' ' 1'
' / ' ' ' ' $ 0
^SML : 7^ a8C)(! -.C JB 2 #C+E@ C+- !B D- @ a'
4MP;' (' =N E,@2'%-A @I>@A @ ' C-?'+B@
.B+'-'+B@ !+ CC@ ' #>+ - '+B 2 AD'+B@ 3 -+ -A' - '+B@
!>AA@' '? D@'+B@ ! @A @'-'! -.C JBG' ;MQ<' 3 -S- '
$ 0 0@ ,$ $* "0;' +B@ C+'-' !B D- 2 - JC@Y
B@AD A.'/ +>, A.2 AD' J C+'- ' +C-A-?@C' ' C ' @C @'
-C' AD A.' ->+'+B@ B->C' -' +B@ / G'-C' .B+2 -C -+B@C
F>@ + -A2 EG'+B@'!B D- '-'+B@ !>A2 3 --A2 -C' ! + C 2 XG S
+ !' ,$ $* "(0'+B@ C+'-' ' / ?, A.
2) </+ ./ c L 2) , .$
' _ > / _6& / / & ?
2$ K $, $ V %$5 $($ 0 ' 1'H
$
B@ C' -CD' @SJ, A@D' 'B A.'-C . A ,,G'?@ A+'T'
.B+ A.' A'+B@ B D@2 @'A'+B@ B--,' ') -1 $%! '
5 , $ $'8% (' + 2 B- @ @C2 , -'> @D' A'+B@ @A @
- T , .B+ A.' +B' B D- a
' ' (D /
' ' 1 ' ' 1$ % 0
;MLL' %- U0$,)' , , -$, (->A+@C @+' .B+ A.' ;MLQ
C ' 'A) 0 $ L$.!&'$DC'0 *g' ' +B->
B->,D + J@CB J '+B AU' ' @ +@D' '!D-? BG'-C 6?EC '
+,->'UC? B' M)Q7 ' ' & '$'D)$ 'V& '5 0 4KQ
B@ C' C.>A.' , A' + ' 'E>+' '! ? @EG' ;Q=K' ' 2 0
,) !&) ' 1 ! ;0 0>+'@A->.B' -'+B ' U-? BG' OKLL'
8 M ' A'C. !&!') -' ' ;QN' ' .C@ + J C+'-'
%-++ ' C.>?@A+ + -A'E@ -?@''?@C@' -? @AG' ' 0
- -1 $', ' JC'==M ' @B @A'-'+ +@ -C U-? BG2

@' ,@ @ +B@ >,,@C @SJ- >C@'-'+B 'J-C+@A+->'? C@ 'A@ +'
+-'-+B@C B AD ' ;K<P - $0 ' ' $ $ '
KK +' ' 'J@ @'-' U ? BG2 D >,+'+-'C@AD@C ,@ C'+-'
+B@ D@ @ +@D
') ? A -G2'-E ' -C?'-'
! >'8 D A(2 ' ^' ,&0 ' ?-D' +' A ?@ -'
08 (+B@ C@J>+@D E C+BJ, @ - ' "-?@C a' %B A' '
$ J+' ' $' '6)$'' ' SSS ' ,@'-' C@@ @ 2 B@
! A' AD' +B@ @ A' ?> @2 " @ ->AD' +B@ ?@ G->C
B-C@ 'C@ > @
!- A G'-E ' -C?'-'! $ @
'! J-D@ '8 L2 @TJ)D X(2 ' A'M &'0 ! -'
J-D@ ' ^ 2' ' C'D>D -D' J 2' ' C D B D- '
i' C-K 2 C->G --+ a' ' E>,->' J@-J,@' - ' EG'
T' +B' ??@A @ @@+' B B'+B@G' '>A B D@ '
8 DD@,,'\' ! -++(' "@A @'!) J-D->'
$/ A'#' ..' $ $'T' 2 0 $ 0 OMQ'!@@)'+B +'+B@
@CG' J-C@E, AD@'D-' @@ +2 G@ ' B@C@ +B'+B@ ! -J-D@' C@
-' @,,' I> A+@D' , -'+B + + +' '?@C>@ ,@'+B @' AG' ? A'
->,D'E@ -' B ?@,@ '+-'D@AG' + +-'B@'+C>@' OQ<K - '
$ 8 $''ONN B@ J@-J,@' @C@2 J-D-> 2B A.'
@@+' -', C.@' '+ ' B@,+@C'+B@ B-,@' E-DG2
+' $ %+ ! !) / ' B@ + ' @A
C+ ' * 0 8!-??@C(B *' B@ GA' I G B'G'
AD@C' +B@ A+E,@B+'-'+B@ - ,'\'G+'G 'A ?G+' G +'^)'
;PNM +a
+'! +B C % ' AD' T 0 ! !)' A' Q
-+@C,I>@2' K - -)' @ +B@C -U' ^ D', +@ C'
V B%'V (=0&V,) *$'8 , -' d V9\ B*& ($ B*& +(
>A D ,2 , +' ' B D- + B@C'H %T $5 ' B D- i'
8 B* '+-' + B' % ' , & ,&''8&, AG(2 ' >AY
D , a' <' $B "' . - E ' A' J '
-C?'! +B@C 2'+B@ C+'- 'D ,, A.
;MQQ' ' . &'& $ "' 'C'e'S' 'M B@'? CU A.'->+' +B@
?@ - '+B@ D G' A' > B' ' G' ' A' +B@ ! -+@C I>@!2 -C
C+'- ' / ,, A.2 ' 'C .B+,G' ?J, @D'+-' A S ? A@ '
. !' , & . ,(A @ + .+ A.' !B D- ' , $, ,'
! ,&* (' ' 3 +B@? + ,' A +C>?@A+' -C' -E @C A.' +B@
C>@' ?@ -C' D'> + A.'&@AD>,>? %,- U 2 7 + B@ 2 K+ '
OQPP # ! , $, . (E@,-A. A.'+-' ' >A D ,
+! - V+, @ C ,=' 0 5-C? ' Q 8 - '
@C - 6(2 ' E+B@C)2' +@ , ' ^5-C?@D'
'J+@ 'a' a' %-A @CA@D' +B'+B@ C@ -CD A.'-'
+B@ B D- ' +'EG'+B@ J, A@+ 2 @ J' +B + - '+B@
>A' ' '?@ A' - ' AD A.'+B@ B->C' -'+B@ D G
OM;=' " # ' - 0 ' ' 2 7 +B' ! - @C ,,' A +C>Y
?@A+@ OG' G' - ' X ?>+B' AD' ,? A+ C +B' & @' @@U@
-?@ B J)'J- A+' A'E@ >@A' -C'G-?' OM=M ' 8 '
C) 0 ?*0 'S7 'LP<' B@C ' @C@ \ - !D-+@C ,,'-C
!>A' / ,, ' OMPM . B '<!$ & 0(, $, ,$ ' 1 0(
, & ,$!0 OQLP# !' , $,$!00' B ' B->,D'E@
C ++@A' $,$
"@A @ +'! - +B@ C - 6G' $ ' +@C' +B@ ? AA@C
-' ' >A D ,
$'OM=M: '< 7 'C& .) -$'8SM) ('LQ' @+'+B@ &, A@'E@@
+@C ,,G'JC@J C@D2 AD' U' E 'E@@ A@ @ C@ -C' '
B D- '-'+B@'!>A'+-'.-'E U
! + ' 8 -*@+U(2 ' AD' 0 5-C? ' M'
G +GU@2' M 8B(+ U@2' G + -U@2' Q + I>@2'
8 @ + -U(2' 2n!' + -U2' K ' + 2 ^ '5' E'
D) (D' ?@D ' ,$,3) (-CC>J+' -C?'-' '
, $,3) ' 8 @@ Q) D' %0 CC' ,$, '!J'
, ,&(&. 2 +2 ,$,&'
@ + A.'+B@ B J'-C'+B@ + 'A@C @
^OL<K ? U1 '?$ ('C0 0 ' 8;=<P(OQ;' +
B@,J +B'+B@?' ? - B@'+B + >@'+B@ '@>G,'+B +'BG.B+@ ,$ '
,$'*$ &!' 4!=Q '? 0 $! 'SS '< '.->+'-C'
G + U@'J -A') ' &'$, '=<OM #
3 ,D@ ' +'.@A@C '?- G ?-2 ' 2 A'+B@ +B@ 2 ! + '
& - a' 'O' $'C -$) 0 0 $ 0 'OOP! + U@
.->+@ ' < ' ,!0' 0'S, ' 2'=<0 " 'E-DG' '
+-C+>C@D' +B' ' +'J ,J
/ ' # ' -C E@,-A. A.'+#'+B@ B >?'-C B J
, $,'$ "(+B@, C.@C'-'+B@ 2&'+@C? A ,'EC A B@'J'
+B@ A+@CA , ' +' 'D +C E>+@D'+-'+B@ ?> ,@'-'+B@
E U J C+' -'+B@ J@, , (@ B' -'+B@'+ -
D -A'-'+B@ C ,'J,@S> 2 @ J'+B@ $' , $, ' (
B B' '+B@ , C.@ +A@C @ A'+B@'B>? 'E-DG' '?@'@C.@
C-?'+B@ J@, 'AD'J) A.'D- A'+B@'E U'-'+B@'+B .B'@SY
+@AD' ' + -+' --+' ,$,'&, (@ B'-'+B@'+ - 'A-+ B@
-A'+B@'J- +@C -C E-CD@C -'+B@'B J'E-A@' ,$, ' '=$+'
+B@ + ' C+@CG'8))) ('8)(+'@ B'-'+B@'%-?J A-A' @ AW-'
+B@ + ' C+@CG
,'0=3' $' $',>') 0;;'S',GG'J + --A' @GA@'E@C-'
' ,@J D' + 2 \'B + -B@C@' ' ,@J D'C@A , 'a' ;P<0 '3'
0'<) !! - $ ' 0) 0 LN S B@'+B CD' '+B@'!@E '
+ U@' GA2 B B'@S+@CA ,,G@'D@?- +C +@+B'B@C @,@ E- @'
+B@ A U,@' OMPM' . B '<!$ & 0 ' (,$ D)'
' ' 'EC A B'-'+B@'+B .B' @ A2 B B'D@ @AD 'D- A'
+B@ ,@.'+-'+B@ ->+ CD' AU,@' OQ=;' = ' ' $ 0
8@D'L(M<' B@ , C.@ +' @C @ -'+B@'0-DG 2 'UA- A'EG'
+B@ ' ?@'-' ,$,'-C' , $,' @C @ OQKNC !0 $' 0
4 4 ' JJ'LO " A.', D'E C@'+B@ + 'A@C @-' 'C EE +'
OKOK $ ' : L' I&D) >' '$0 ';;Q B@'#+B@C + -'A-+ B@
C@ +> +@D'E@+ @@A'+B@ + '+>E@C- +G' AD'+B@ C>?'
B@G' C@'A ?@D'+B@'! + 'A-+ B@ ' ;KLM <' & >' ",!0
'$ 0 'OPN ;' U@' ,+@C + -A' A'+B@ -AD + -A' - '+B@
' ' C+@CG >@D'EG' , . +>C@'-'+B@ @'?-C , C+@)'
JC@ @A+ C@? CU E,@'C@ >,+ ' +' EC A B'+-'+B@ + '
A@C @'E@ -?@'.C@ +,G'@A, C.@D' SKK+'= 3 ' $'OSL' B@
+ ' C+@CG2 B B'J @'->+'-'+B@ J@, ' +'+B@ .C@ +'
' 'A-+ B
0 ' 0
i ' B@' B >?'-C B J' 0
OP=0 $ ' 1 ,)'<)' - 'A) 0) 0 *,)' B +'
^ '+B@'*- A+a' - '+B@'+G+@,,' -+@ '? +@'DG ,G G,' '^+-' @+a2
\'+B + - '+B@ UA@ '?-C@2 AD'+B@ G +GU@' '?@ A@' ;PMP
1 ' $)) (&5$(+B@'E JJ@ -C'E> U,@'E-A@2 E-CA@'
+ ? @'+B@ @+ + U@

%

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

O--U@' J-A' -A @ +>C@')' B ' &- - ' ('(
&- ') \7' % ?D@A 2' D' @ ' +-'@S ,>D@' +B@ @' -CD 2 '
O P !& -$' - +@D' A'EG' -?@' , &!) (
! - -? BG2' C A+' - ' '
! -? A G'8)?@@A (' , -' Q' ? A+,@2' \'
-, 2' ^ D' ?-D2 ' , &-$' $(' ' C' -2$- '
B D- 'i'% $ %$' @@' 3 C' % '5 ' ,&-$', '
8%-+.C' ;M;;(a' / A + -A' EG' -??>A + -A'
+B' +B@' B D@ ' - '+B@' D@ D
;MOL' %- 9 $ 32' ,&-$', ' D>A + -A' EG' B D- @ '
;M)Q' '$- ' " $ ('C& 0'S ' 8;MQP('LNQ' B ' E>+'
! -? A G2'-C' ' .B+' - ' B D- ' -A,Gb' A-+' @ C-? A G'
SMWM' . B ' <!& & (' ,&- - E 0' J C+' - ' @ C-V'
? A G2'JC + @D'EG' B D- 2' $';M<L' E &)% >' $1 !$
?' 44 2' 'G->' E@' C D' - '+B@' / @) 2 ' ' ,,' ? U@'> @' - '
+B@' 5 >,+G' - '! -? A G' ;QOK' ' ", ' ' ' ,& '
-&B $ ' B@' 7 + B' B-' -A*>C@D' >J' +B@' !->,' - '!) >@, '
D D' +'EG' ! -? A G' SG ' 1 ('8@D' Q(2' ! ? A+ 2' ! '
? A G2'-C' ! -? A G' ;KPO' 7 ' $)) 'e L;;' / A '
+ -A 'OG' .B- + '& G B-? A G' OG' B D- ' -C' ? A@ '
! -? A G
"@A @' ! - -? A+ ' J@C+ A A.' +-' -? A G'
OKP< -(' 0' ' &'' ' LQK' B@' +> ,' A-+' - '
? A+ ' JJ@ C A @' - '! ?>@,' +' AD-C
'8 D A(' 5-C? D' ' =' 2' G->A2' P M'
G-A2' G+?2'M Q' 2' G@A2' M' -A2' Q' @G-A ' 82P'
G>A2' M <' - -A2' Q K' - 2' G@A2' G-A ' Q' M' -G'
-A-@2' M Q' @A @2' M Q' @A 2' @A+2' Q' @A-@2'
-A 2'-G-A 2' @A 2' - A @2'-G@A @2' - @A+
=2' K <' -G-A2' P' ->A2' Q' - 2' G@A2' P ' -A'
^ '#5', &'( )'(,"&'(&'(?-D 52' , &'' 8& CD'
, &' +(- '-E >C@' -C . A
B@'@ C,G' -C? 'A'#5' C@' A -A +@A+' +B' +B@' -??-A,G'
>?@D' D@C + -A' C-?' , '+-' a
' '(' B--' -C+ . ' O)N2' ' > U@C' 1 (
g5,(B (10' * ,(' ,J' -C'.C + A.2' '.C +
$0' %;LNP' $' ' &.$"' 'Q=' A' 0? 0C 0' 8;KMO(;PK' &@'
->A ' -@J' ' @D ,@' 9 1' -(!@ ' 7 U '
SMM ' ->A' ? 'A-+'B@C@' C>G+' E>+' +' +-AD@' + E,@' A'
J@' GA@' 4L7'] ') -(S6 ' O=' B@ U ++ D@A' D->A'
->A' +B' B ' .C J@2' B B' + C' ?@A' E C@A' A' ' E CC@'
'4==N C & -*(C$ (=PQ 0' !G A2' - ' ' +C@@' ;=KL' $ (
) ') ' !G-A' -C' + .@' SPS)' B 7 '
;;;' ;'Q;' B@' +BC D' G-A' - '+C@ '^ ' $' .$ ' !$]($JO+'
< ') ' &&'!$ ' 7U '8 C- C+(' ' <Q' ' C--U@D'
@A' ,,'JC->@' ' +C .B+' +@@' ;MSP' C ' $**$ &
8;KQK(4QN !@G-A 'G->A' +@AD@C' J, A+ ' 7 B C@' +B@' I ?C@' -
--DE CD ' B A+ ' $ & ' ' 7 ' $$-$'K)' B@'.C '
A.' - ' ' @A' A+-' +B@' +- U@' O%OJ' 3 . ' !$'A) ' (
&- *!($ ($@,' .C 'QP' 1->A.' ! @A ' .C- A.' ->+' +
+B@' $--+
,'4==N C & -*0' C$ 0' Q< ;' %G A ' - ' ' +C@2') ,)!) (
)!$ - ' 0' ;PQO = ..'C!$' 0')' < $%0 '8;P<O(;= 7 B@A'
+C@@' B ,,' E@' +B> ' JC- A@D' +B@G' B ,' EC A.' .C@ +' % -A '
C-?' +B@'C'C--+@ 2' B B' B ,'E@' C AU' \ ' --D' +-'C@J, A+'
;M<Q') ' 0' < & ('<O 5C-?' $--+ ' B CD' " C@ 2'
AD' C-?' %G@A ' C @' ,,' B' $ BOO' ') (==;'
%G-A ' .C +@D' >J-A' > U@C' ' 4Q<M% ' =
'6L L(KP' &C-J@C' +- U 'E@ A.'C@) 2 AD' -A ' -C E>D '
JC- >C@D' ;KNO' 7 ' - ') ' ' SS '8 KO=V LN='
B@' -A' JC@ @C @ ' + 'A +>C ,' J>C +G' AD' A+@A+2 +B->.B' +'
E@' @D' AD' A->C B@D' EG' '?@C@' C E
G2' ;POL' - U ') 10'8;POP(=M B@' G@A @'.C- GA.@'
E->+@' +B@' +C@@' - '+B@' ?@' ;PQ)' O '< 7 ' 1$,% '
) .0 ;;'8;PKM(QM' B@' G--A.' -@A @ 'J,> U@D' C-?' +B@'
C--+@' - ' +B@' +C@@' ,,' .C- @)' 4P<Q <) ' 1$!' +
44 ' L=' B@'C--+@' C-?' +B@' B B' +B@C@' D-+B' B--+@' --C+E'
? A@G--A.' @A @ ' SM--' B 1 . ' &)' " $ -' + ' 2'
=L4' B@' , @' @A @ ' B@CCG' +C@@' .C- A@' +B U' +B'
B C@'C--+ 'E@ A.'C@?-->@D'^@+ a' SMSO' B ' &- - 0'
>) ' +' ;=' -' ?-C@' +B A' ' @A+' A' EC A.' -C+B' C> +'
B B' 'A-+' @+ A+-' ' +- U@' ;KOM M ' "! $'e =)L' '
G->' A'.@+' '% -A ' +-'.C- ' J-A '!+- U@ - ' A-+B@C'U AD@
;MPQ' B ') ' ' '=K C +'@ @CG'%G@A @' A+-' +'
- A' U AD' ;9ZZ' ' - &) "'A' ' KQ ;' !> U@C 22'
JC->+ ' -?@' ,,' +B@?'! @A @
K' S)' 3 '?$ 0' 'C0' 0'S >' S '8 -,,@?'
3! (2'C &*$ &' ' 'L-A.@' JC G' - ' GA@2' :) + JCGA)@U' -'
' G-A' ' ;==N C$!!$ ('&'') 10 'K< :@ + +B@' ->A'
C-U D,G' J' C@J@' 4M;< ' ' &- - 0 ') ' /) 2'
-+' + @D' +-' +' ' D-A' +-' ' +C@@' 4Q<4 ' 8 '?& 0
$ 0 ' ;N=' ? @C) .' -A2' -C' U@A D' @@D' ;KS='
B ' & ,'S S'QK @ @C' B B' +' ,+B@' + 'E->.B'
. A2' A-C J> B')) A' + ' @ @A' -C+B' 4K<=' " ' =
&& * (< $ 0'S 8 KQ=(O;Q' B@' J@ @' JC-J . +@D' + @,'
EG' @@D2' E>D2' -C' -A' SKK' <$ ' 'OP' 3 C' ONN ;' A'
? U A.' +B@' -A' -A,G' +B@' @,' C J@A@D' J-C+ -A ' - ' > B'
B--+' C@' > @D
' - % (AD' [E% (',&' 5(
S!<-) -/ 0, Q) C8;P<O(=,)'!B@ @G->C' @,>@' @A'
-C+B @' - ' - ',-C E - . ' ' +B@D@C' 1 ' (#<') 'C' '
!-?@' - '+B@' @C+>-> C @' $- @' >J' B + C-J+' +B@EC A B@'
- '+B@' @A+' E @' SMSS ' ' 0' ' JL' 1->' @@'
8 @@+' 3 D(@' ? AG' '.@A+,@C' ! @A2' +-'+B@' ,D@' +'!+- U@
;MPK' = ' 0 $ ' 7U ' ;KP;' ,,,' '=N= -' JC@ @A+'
+B@'@S+) + -A' - '+B ' ?- +' A+@B+' @B' -'+B@' J>C@C' $@, Y
. -A' 4NK=' ' < & ' MX' -'E@' C@ ,,G' A'
%BC +2' ' +-' E@' . +@D' A+-' B 2' +B' +B@' %G-A' - 'D AQ'
.C @' ;Q<N' B ' 0' 0=P' 6J-A' +B +'E-DG' AD' +- U'
- ' AB@C' + A @' @' B @' + U@A' C@' A-+' +-' A- >, +@' AG'
) -A' ,@A' +-' +B@A +>C@' - '+B@' -C . A 'J, A+' R&R&' B '
< $-0') 0 =O< ? + +-A2' ' -A' - ' B B' +B@') .>@' '
+B@' J C@A+ +C@@2' -S' = ' !$';' - * %0' "-*$ (
A' B>?E,@' AD' @ >, C' D-A'& '+B +' -,D' +- U' - 'C@, . ->'
-A + A G
/' A'B@ C2' 'D@ @AD A+
;K;=' = ' :'9 ' !, $' ' $," ' O=K -' .> CD' +B@'
JC@ ->' -A' - ' A-E,@' B->@' SKSK ' ' $-' >2'
"@C @,' +B@' -, + CG' -A' ,@ +' # ' + ?@ B-A->C'D' C @'
;KSQ' E V [B C&*)!0' ;0 ;LP' ->A.' -A' C@' +B@A' J> B@D'
C-?' +B@' J C@A+' +- U2' AD' A +C> +)2' . ?' B J J@C'
@ + ' -C % @? @, @' EG' +B@ C' -CD ' ;KM< - I ' &*' (
&'D0 A 'OO' - '-A' - 'U A.,G' +B@C2' A-' -A' - ',@.@AD)'
B@C-@ ' 'S+-S' L ' + C" 'P;' -A- +B@ ?J@A '
" J E>C.' ;A@
- ' A

' &) ' 1(@ ' < (d P
* L';'& % 1' %)' '# B' '4 '$0
5C-?' +B@' D +@' - ' ->C'@S ?J,@ 2 +' ->,D' JJ@ C'+-' E@' '
-CC@ + -A' - '+B@',@ 'C@.>, C,G' -C?@D' ! -& $ a
n' !% #& $ %
;QLK PO' 2 ' " ,!0(,&* ,'^@D';QOK ,&* ,.](('
JB@C@' -C ,,-E@' - ' --D2 +B' 8@+ (' 4QQP ! ,&* ,(
E@,-A. A.' +-' A' A +C>?@A+' > @D' A' +B@' ?@C ' -E >C '
4Q<=' ' \ 3 !' $ 0=' 5* 0'C !& 0 'S ' ;QK' B@' D-J+ '
E ,, '? G'E@' -A D@C@D' ' 'U AD' - ' C+)'@G@' ;KOK LO'
5 ' &* , (+B@' @A @ - '@SB E + A.' ? .@' - '
@S+@CA ,' -E*@ + 2 C@ @ @D' +BC->.B' 'D->E,@' -A @S' .,
A+-' 'D CU@A@D' C--?' ^ JJ' A' @CC-C' ' I>-+' ;QNM' '
! +-J $ '0 a' 4K=O^ @@' ! -CC? ' V
6 ' '< $ ' @C % ' ' % 6'
L *' [' ' %)'4 G 9')6- % '
% *' Q* ' ' *)% *$' 6 H X)*'
0' .0 ;KQP(
X) M' 0' V ' 0') ($ $!0' , 0' **$ $) ' - ' NK='
8;KQQ(O=P' !D-J+ -A' ;KQ< $) ' ;M' # + 'ON=)' ?'
SK OL' ' (.(M' JC' ;N= # '+B@' - , , A+@? ' + ,,' E@'
>JJ- @D' +B +' 'JC@ @C' +B@' D-J+ -A' 4KKP%' ' 7 ' O'
% & . &*' ,(!@C' '=N; O' -' ? U@' A'@A, C.@?@A+' -A'
'40 EG' S-' > A.' ' D) -A' E>C A A.'J C ,)
6 $A' % '$(' 10 M L' $ '
% 1(@ '[%' $) ' * L' %,$&* ,(&* ,(
A ' 1 V' 9 '$ B(,&* ,'1$!!$ ' -- '
L 'L *' '* - ' '*% ')*' ' 'L*6*' '- '
' -6 ' ' ' ' *'6 % ' 6'%
$';QM=' : ' $ 0' * ,'8;QOP('OM< 5-C'E-,D A.' +B@'
,@A 2'+B@C@' ' ,++,@' -A @A @A+' JJ) +> ' +-' E@' B D'C@ DG'
A' +B@' B-J 2' ,,@D' '!D-J+C) 4QKL' C0' ! ,
C) *! ' 0' 'SSS ' '& 0 "@C@ A' 'D@ C E@D' +B@' $- $'
1 $(00' B B'@SB E +'+,)'J +>C@' - '@S+@CA ,' -,))+ ' A'
+BDC'JC-J@C -,->C 2 EG' ?@ A ' - ' ' -A @S' ., 2 -C' -J+C '
O ,,2@ +B@C' A' 'D CU@A@D' ?E@C' -C J-C+ E,@' E-S ' ,';<<N
2 ' , (' 'OQN' ' D-J+A 'E ,,' AD' - U@+'E?. '
+@A@D' . A +' 'B-,@' A'+B@' AD- B>++@C A' 'D CU@A@D'
B ?E@C' ;Q<Q' ' ," ,!(? 0'8@D' L('"1BH &>+' +B@' -E*@ +
' - ' 'S-'% ;O' @@+' +@,@ -J@' A+-' +B@' D)+C 'E ,U' ;K=O'
V$ / I' 0' ,0@+ 2 , * ,'?$!'-C' ,&* ,'?$!!(
U ' 1(a' ,&* ,' $!!' ' 9
4QN= : ' ' 5(, ' 0 ' ')' 1 ,) $' $ ' $(
!> B'C) DG' ++@D' C@'A- ' -??-A,G' -,D 2'-A' >D)+) B,,B'
AD' C@' ,,@D' ! -J+C U ' ^4QNM O ((:'8@D' 9@C @G(2'
; ('J C+' -'#J+ ' 1 ,) $' $- $0M' ;QO4
A' (
6 % --'" K ' @@' .!'"I6
' * % % ' @ '[% '&5 &3(% (' * L;'
) ';' !3 a' 9' % ' % ' % * ' % ' % P
-) ' 'L*6*')*' ' ' * ' -6 ' ')
R&&X' 8$(' C' ' 0' JC'=<L' B ' D-?@ 22' ' +'
? .B+' E@' ,,@D' SKKD' ?!$, .2 ($ 0 %4 'Q<=' !B@' B '
E@@A' D ->C' A. '>J-A' -+B@ ?
6 * % $ '" * % B' @@! ` " 0 % 2 '
6 ' $($ H' @ 'F' ,T) '
. D' i' -> :' " A.'UA- ,@D.@
$' ;KL=' ('C ' 0' -0 8;KL<('=OK OC>+@ ' ? G'
E@2 AD' C@' D->
6 ' % % ' 6 - ' % ' 1!' 11 '
11. ' 6 % ' ' $00'
"1 6 % ' 6 ' (<%'$< $ ' $2(@ '
' ' -'F L'F '*% ' '%$, $(T '
* ' 'L 'T(* '6* % 6 % 6'L % ' '*'L% 4'
9' ' 6 -L% '% K' %)' * ' * % ' ' * ' % &'
6 6 % ' 'L' ' * ' * ' * '- '6 ' % ' * '
A '%' '<* L'6 ' H L*&' Q 6' ' * '-' '
') ' * ' %L*&'- % ' '6*'
' '6* % %' * '-' ' '% # ' J ' % # P
' (%$0
A' A., AD'A- 'JC + ,,G' >J@C @D@D' EG' -+B@C' -C?') '
JC- @D>C@' -C'?- +' J>CJ- @ 2'@S @J+' B@'C@ - +-A' -'C-G ,'
B C+@C
S) ' &!! 'D %C$! 0 'XSS ' AD'B@ E@' D? ++@D' +B@C+-2
A 'B @' -C B ' +-A' A'+B ' @2 ' DC@' ' G@A +'BG?'
+B +' - @AD +B' G@A +'+B '#CD@A >A @' ;=PM & ' "' E'
1.0 ' =) D' +B@' +-'B >@' -C' +B@' @D' -C +-C@' @>@C ,'
! C@' D ')A' +B ' ? +@C G@A +' >@E@' ' - @AD@-2 S)'
+C' $ 0?) -' ;QM A' +B@ @ @ ' ? ' A B ,'B >@' ' C@'
B@ ' +B A' +B@' G@C@2 4M=4 0) & '' =' &. '+ +,@ J 2
'! C@' 'EC->.B+' EG' +B@' 9 A.' 3 *@ +G2 A' +B@'%->C+'
72' S B@I>@C2 . A +' ;-BA' " ?JD@A' I> C@' SMKK' ' '
6 ((D(! $ %$';' '&>+' +B@'% @'G->' C@' AD@E+@D' +-' ?@'
ON '>J-A' ' % ,$ 0 ;QMK' (O 2'
=K + '*>C D + -A' ' +-'E-,D' J,@ '>J-A' '%$, $ '+-'
C@J@ ,' AD' A @,'+B@'U A. ',@++@C' J +@A+' @ a' R&I&' 8 '
'8@D')' 'QL' "@' ? G'C@ - @C' +B@' D@E+' ->+' - '+B@'
.--D ' +B@' -.A X-C2 EG' ' '%$, $ (-C' + U@'B+ 'E-DG'
S) M' 3 ' 0' %0' ' 'SSS 'OQ< B@' J- @C +-'
EC A.' ' B C+@C@D' -,-AG2 EG' ' C@' D)'E@ -C@'+B@' A.Y
' B'+C E>A ,
) '2 / ' % ' ' '
_$ Q 'B' ' E 6V'
Q '3' 03 & @'F' , * 3-' '
*)' ' - *'. ' 'G'J' % -))' ' - "
H U- ' '<!& & 0 1.1
-%% ' %% # ' ' ' ' '
' 6 %%* ' 10 9- '2 * %%* ' * %% '
6*&%%* ' %%*' 0' 6* 5' @ 'C' , (, .
1 *'6 0 L' D) (D) +(' [% '$5 **&'
) $$ " 6 ! a' !% $$ " / !
Z' (1 ' '?$ $ ' '+') '=KM &B,@) -A 2
#@-@? 2 ! BGCCB@ 2 CGC J6@ ' SK-K 1 0(' 5' $ '
& (. ('U AD@'-'B CD'8G@+'J A@ ,@ @(@,, A.'
A'+B@' ,@ B' SM-X 'C! ' "SS 'S S' 'ONQ 7 B@+B@C'
)@' ? +C @'B >@' ' B CC@' A' +' AD'E@'E CD'-C' -,A@' 1 (
444'S ' ' L<Q " CD' +>?-C 2 B CCB 2 AD' ?J- +>? '
+-A' - '+B@' ? +C @' ;KNM) &'L(AA-+' ' B@ @

% A @C 'E@' @C+ A' +>?-C' -C' D, A. 2 B B'B@' ,,@D'
!DCCB@ ' ;MP<' ' $'0C " ,.'MM B@', ++@CD@ , C@ '
A' A+@? J@C +>C@2 +B +' 2 A' A , ?? + -A2 ' U CCB' -C' AD'
+-'E@' A' +B- @' J C+ '^6 @C AD' +-? B2 @+ a2 S) ' +C'
1 ,' ' ' 0' - !&,.'L' 5 +@@A' B C 2 +B@' ? ,,@ +- '
B B' '@I> ,' +-' 'B@A '@. . ' ^ A' ' --+A-+@2 +B@' +C A Y
, +-C' G'B@'B ' B- @A' +B ' -C?' +-' - D' '+B@' D .C@@Y
E,@'B A.' -'+B@' -CD' ,) ' a
' D'8 2 U (2 > @D' ' -?E A A.'%& - 0 - '
! $$"6!2 A' , .& ,&' $, ' D*
' ' <&& G ') "' 0 8@D' L(' LKP 7 B +' ' > > ,,G'
,,@D' ' CCB- -A+C +@D' C@ +>?' U ' " ,!0 C $, 0'
' PQK ;' +B 'E) A' ,@ C,G' JC-) ' +B +' CCB- -A+C +@D'
C@ +>? ' - 'A-,' A C@I>@A+' - >CC@A @
8 - D2 U (2 $(^' B ' 'B
V a' $@ @?E, A.' CCB>
'9 % ' ' 0 50
'! CCB-? '8 C) ? 2 U (' C$ (^?-D '
8 A' +C2 ?!$' ,$ ' C ' (' 0 ;MK=2 &B ,, J 2 @D'
9@C @G2' '< (d) **4$%$($) *& *$('%('$,**& (
V*&'!8"OO"6!' @@' " V' ' B CC-A ' +>?->C
SK)' ",!T C $, 0' 0' ' MPQ O % CDA-? ' ? G' E@'
D D@D' A+-' + -' J@ @ 2 +B@' >C +' - ' B B' @'B @' ,,@D'
& - $(+B@' @ -AD' $!& - $0
+! @ CCB- @2 O' A'K B CC- @' ^ D
?-D ') ' @@' #! a' ' B
;QOW 6 ' ' (C " ,.' ;P<' ! B CC- @' >?->C
! CCB- +G' 8 CJ +2) (' , -' M' -B C'
C- +G@2' Q' CC- +G2' Q K' B C- +G2' K -GC'
C, - +G2' -, CCB- +G ' ^ D' ?-D ' $!!+1 $'6
' , +@' ' $!!+$. ' B _ @@' " !V '
?-CE D'B CDA@ '-C' CCB-> ' -AD + -A' - ' A' -C. A'
-C' 'J C+' +B@' I> , +G' -C' + +@' - 'E@ A.' CCB->
4!<<' ' 3 ' +C' <$1 !.&) C '?.0'C " ,.'LML S 5 C +' -A'
+B@' B AC-C +G@2E@' +' E@C' +' ,,2G->' ?> +' JJ,G@C ' ,++,@'
!B@@J@ --,,@' D JJ@D' A # G,@- ' ,,G@ ' SM-S
C! ' "'5"$ 0-(=NM' B@G' EC@@D' -E +C> + -A' AD' @E C'
CB- ++ @ ' A' +B@' E@,6@' SM)'C !0' > $' 0 ' <KN A' D Y
@ @ ' - ' !J,@@A' @C' ? D' 3 @ @A+@CG' AD)' +B@' CC- +G'
AD'B CDA@' - '+B- @ J C+ ' ;)LN & 'E D'4 4 4 '
L=M A' ! GCCB- + @' - ' +B@' @C' ;QLL' # ! ' ' 0'
$!$ "' 'S $ 0;QL=(;K=' 'D @ - @C E,@ ! B CC- +G2
-C % A @C' ,C@ DG' @S+ A+' A' +' ^+B@'!+-? Ba2 S) ' $' '
C $, (1 0' $' , 'LN B@G' -+@A' JC-D> @' ! B CCB- +C@' ,
B B'B @' +@C CD' JC- @D' A @C-> ' ;QQ) K='
'C " , ' 'OPK 7 U ' ;KOQ ' ;O +' ' A' ., AD>, C'
J C+' B @ ,G' +B +' CCE- +G' ' -E @C @D2 S,)J' <&& '
) " 0 8@D' L('LKQ B@' @S +@A @' - ' +C A @' ,, '
?@A+' ^A' +B@' .>+a' ' .C @C ,,G' JC@ @D@D' EG' CCB- +G
! CCB-> '8 'C- 2 U)' , -'M' B CCB-> @2'
Q' U CC-> 2' U) ,? 2' Q2' <J - CS-> 2' Q <' -B C '
C-> 2' K U CCB-> ' ^ D' 5 ' = +)5'8 M+B' '
O#7' D))5+(D' ?-D ' -) (' %0' ' , 3'
') ' @@' ' B ' AD' -> ' % ' !J' ' & &(
&. ' ' & &(+' & &06' &C- @@D A.' C-?2' - '
+B@' A +>C@' - 2' -C' C@ @?E, A.' ' CCB>
' ')#$' ') & 0 '7' B@ @' ?@D A@ ? U@' -+@'
E-DG@' B B@' E@-' CCB-> ' AD' B CD@' U ' ' 3 '+C'
<$1 ! &) C ?.0'C ' ,.' LMW)' 5-C' B CD@' UA-EE@ 2 AD'
!@E CCB-> @' +>?@ + -A@ ' SMSP' & '?& "'&%' $ ' ;KL'
B@' >E + A @' -'+B@' J,@@A@' '?-C@' C C@' AD' -J@A' +B@A'
+B +' - '+B@' >@C2' E>+' G@+' ' ' +-A@C' , +@D' +B' CCB->'
+>?-C ' SMMK:' O #' ! ' 'SKM B@'@A+C ,'-' ?A 2
E@ -?@' C'E CD)' ?D' +@C2 AD' ?-C@' ! B A-> '+B A' +B@G'
@C@' E@ -C@' U '#'= ' 1 08;K<M() ' B@'
JC@+@CA +C ,,)?.@' AD' !UGCCB> ' O ' '
2 % "' ;LO B@' J C+' ' .C- ' B CC->' AD' A @C'
A >@2 BB1' $!'&%')' &,&-$')L ; 'E@,@ @' B@'B '
=K;' ' +>?-C- '+B@' AD-,@A+' -C' U CCB-> 'U AD' U '6 O '
O# " 3' 1 (0) 0 OOQ !U CCB->' ,, AD' ? G'E@'
D@+@ +@D' EG' +B@ C'E@ A.' ?-C@' -C' ,@ ' ,C?,G' +' B@D' +-'+B@'
>CC->AD A.' +C> +>C@' U ' &! 'C $, 0') 0 :';S<'
! B->' A @C
!$ $' %0' AD>C +@D' ' - @C@D' +B' B CD' @SY
C@ @A @ ' , -'QH
' :& ' & '' -08;KO;('O<' 7 ? '+B + ' C@'
+ U@A' AD'DC . 3' -C+B'->+' - 'B CD' AD'% CC->'@ C+B'SG!'
&';'6 ! ' ' &) ' !$' '7U ';Q<Q '<Q' ' A@'
J-C+C +' - ' @ ,>' '+B@' A +-? +2 B@A' G->A.2 EG' A'
+-C@+' " @'B ' ' U CC->' E-A@' A' B ',@ +' B CD4 +B@' +B@C'
B-,D' ' -?J ' SKSM # !' A' A0' 0 4 'P;O' A'
++@?J+ A.'+-' JC-D> @' A' @ A @ +' >J-A' B CC->' 'B@ C+' AD'
D +@? J@C@D' A+@,@ + ' ' 'A ' ! ' - * ' &'"M=O,- 2
,>+@2 AD' + C' +B@ + @+' JC) ' AD' CCB->' C--+'
+@AD-A ' ;K=P' ! R ' $ $ ' ' 8;KQ=(Q) B@' +B@C'
D)- @D' '?@CCG'@SJC@ -A' - ' @2 B A A.2 CCB->' U A2'
AD' 'J,>? J2' C>EG' B@ D
"@A @' ! CCB-> A@ '8O ,@G' -,' 2 ;QOQ(
'!- AC,> '8 C 2 U (' C$ 0' & ' CCB)'
6-' A., X@D' - CCE> @ ' , -'Q UGCCB> 2'
B CC-> 2' Q K' -B CCB> 2' K <' -B CC> 2' Q'
CC 2' K -B CC ' ^?-D4)2' ' C' &5 **& (JC-Y
J@C,G'4)*&' ' B CD' - +' -C' - @C A.2 'B CD@A@D'
@,, A.' -C' +>?->C2 C@, +@D' +-' &) *&' B CD' % '
5' , '8 M+B' ' A- ' D) +(!J' &(&. '
, &(' +2' &
' 'B CD2 C?2 AD' ,?-)'J A,@ ' @6 A.' -C'
+>?-AC' A- ' * ,('B CD'% , @C
L%U/' '? "'&%' $' '=MN A'+B 'J, @' G+B'O >B+-@'
' ->AD' ' CCB>' - 'E CD' +>?-C' 4=PK 8)' +C'
&)% % ' $%(0S---'5-C' ! B CC-> ' - '+B@' -?E B@'
> @B'1'0>JC@ + \' SMM-'R &'A ! & & - -)'0
e'L'U ' B@'&C @ + '+,AS + 'B 'B AD' A+-'+B@'C@. -A' - '+B@'
,- @C' E@,L ' AD' ,--U ' '+B@C@' E@' A' >, @C2 @C' CCB> '
;) = Q' :'3# 9!' '$ 0' 1 08;K<M(ON B@' @ UA@ @' - '
@C' > @D' EG' ' !UGCCB> ' SMKS +C' !! T' - 0
. 0 - E2 E '?D' , ' C@' B CD' C ,?, .'?' +B@'
,@ B2 +B->+J A2E>+'B CD,G >C E,@'OMK= !
' - (' &! '?& ') @'->+ CD' 3@D A@'C@ -, @D

+B@' CCB ' ;QMM' < ' 0' $ 0 / @ 'PQK O' ' B CC> ' ?'
+B@'C .B+' EC@ + B D' -A D@C E,G'@A C@ @D2',--U@D', D2'
--X@D' ', ++,@2' AD' 'J A >,' [QK!' (' &- -0 '
8SK-M(;L' / C-J G -C' ,C B ' - ' -?@' - '+B@' @C ' ! 3'
' 'C ' (' 0 8;KKN(=M ' CCB> ' ' 'B CD' A @C'
A' B B'+B@' EC-> ' +C-? 'JC@D-? A +@

E)

4M=M , ' &) ' ' &' 0 8;M=Q(OO' AD' B@A' +B +'
% ,,>?2' ! B CC> '-C' A C> + + -A'DC A' - @C' +'EG'A +>C@ 2'
' -A @' ,@G@D' - 2' +B@' %-A @A @' E@ -?@' -' J, A+' AD'
?J,@2'+B +'+B@',@ +' ? . A E,@'+-> B' 'J A >,,'>A+-' +
N(' B@' D @ @' - 'B C A.' ' CCB> ' 8 @A @' ('
A' A + A @' -C' ++ U' - '+B 'D @ @
3 ^'8 " " 'A) 0' /'AM ' # '+B@' -A.@, + -A ' - '+B@ @'
,+ ' -?@ ' .->+@ ' +-A@ 2' CCB> 2' B CDA@ @2' AD'D @C '
U AD ' - ' -E +C> + -A ' 4MP4 + ' &' *0 e' ;PP' B@'
DG @A+@CG2'%-, U' -C' A@JBC + U'%-A >,)-A ' B CCB> 2' \ '
4Q 8(F>? ' &- * ' (' ;O;' +' -?@ B +' A , A@ ' EG'
6C A@2' AD' 'C@ U-A 3' .--D' A' ! B CC ' ;QL 'Q , '
)! '8 ' ' A' ! - ' ('@+ 'LOL' AD' ? AG' BC-A ,'
/ +@?J@C 2' ' : >AD @2' /C-J G2' ! B CC> '' AD' ! >C @ '
;KSL' : '8 " ' ,0' '%$- 0 ;OM' -' C@. CD' B CC> ' '
-A@' - ' +B@' > > ,'@ @ + ' - ' -CD A CG' A , ?? + -A' ;KQ '
J ' $ 0') - & 'NR/ ' , -' +B AU' ' A.,@' - CG'+-'
E@' ?-C@' C@I>@A+,G' @ +C ' EG' CCB> ' +B A'E-+B ' 3 " '
!!1) > ' " 0' 0' '<Q' -CD A.' +-' / ->., ' &- @,,2'
CCB> ' '+B@' ?- +' C@I>@A+' -C?'^- '?@D +A ,' A @Ca
! - C>G2' -E ' -C?' - '! >$ C
+' > $ 1 0' $ 0' ^ ' ' , , $3'
1'3 - ' AI> CG2' 2' , , ' +-' U2' AI> C@2' I>@ Y
+ -A2' ' , ,3 ' @ C B2' @@U' +-'UA- 2' A @J+ @' - '
, '+-'UA- 2a' F>@ + -A A.
EI' +$' (' &' - *!0(' 0' 0' $')')',0 ' B@C@' 'A-+'
' ?-C@' A-E,@' JC-- ' - ' ->C' +B2' +B@A2' +B->+' ,,' + '
+ -A2'+-' .-@' E, AD -,D' B +B@C'B@' ,,',@ D'> ' I '8 C$'
"& '' S'Q' "@'E@, @ @+B' AD'D-+B' 'B@' 'E DD@A2' +B->+'
+ + -A ' %MbM'] 'C% 1 '($ ' "@' '+-'E@' -E@G@D' +B->+'
+ + -A2' +B' 'E, AD@' -E@D @A @ ' %M&R'% ' V ' ('
P' " 0*0' %' 0' 0' [0 ;LO' EC B ? ??@D +@,G' D@Y
J C+@D' +B->+' + + -A' -C' CA ,'C@ -A A.
^!@ @' 0'H @@' '&%' *) &) ' & (]
! - @?@2' -E ' -C?' - ' B
! ? 8 2' @2'@+ 2' -E ' -C? ' - ' !' @+
'8 @,(' , -' _ - X@,,2' < X@,2' - '
,8@ ' ^ '5 ', $!! 'T+B@' , JJ A.' - ' -GA@' JC@Y
@A+,G' +@C' +B@' + ?J@ ' 8%-+.C ';M;;(2' @CE ,'A->A'
C-?', $! 508',MH *' +B' B@ C a' 8!@@' I>-+ ';K= (
;MOO' : ! ' $23 ,.0 OKO' B@' +' - '%-JJ@C2'
B B' -??@+B' EG' ?@,+ A.' - ' O>,, -A2' C@?@,+ A.' - '+B@'
OC- .@' AD' ! X@,,2' AD' EG' -CU A.2' B ??@C A.2' - +@A'
A@ , A.' AD'E, >A B A.' - '+B@' ?-A@G ' ;KL= M' . 8 ' A'
' ," 0' & 0 8;K=P(' ' M;L O' B@' C@? AD@C' - '+B@'
J, +@' E@+ @@A' +B@' B-,@ ' ,@ +' EG' +B@' E, AU' ' C@?@,+@D'
. A2' >AD@C' +B@' D@A- ? A + -A' - ' O 0' ;K= ') ' ('
, 0(' @+ 2' , !(' +B@' , JJ A. ' - ' C -> ' ?@+ , 'JC-D> @D'
A' @ @C ,' ?@ B A ,' -J@C + -A ' -A @CA@D' A' +B@ C' ? A>Y
+>C@ ' B@' , J ' -C'J, +@ ' - ' ?@+ ,' ->+' - ' B B' C >, C'
E, AU 'B @' E@@A' >+' -C'+B@' J>CJ- @' - ' - A .@' C@' ,,@D'
, !' +' +B@' 3 A+ ' ;KM=' $ - 10' ' ," ,!0' '=K; O' B@'
C J' ,@ +' +@C' +B@' E, AU ' C@' >+' ->+2' ,,@D' , !(' ' @A+'
E U' +-' E@'C@?@,+@D ')SKMK' '?)!! &''=' & '' 5 .0'
OQL' B@' J@C -C +@D' C EE-A ,,@D' ! @,' .-' E U' +-' +B@'
3 @,+ A.' $--?
^! E,@' ' @@' . ' 2' I>-+ ' ;MOM a
'8 ' ,(2') ' ^ D' 4,' , ! ' ' , ' '
+-' >+' -C'D D@ ' % '5 ' , ! '8;M;;' %-+.C (2' + '
, ! 0]' % J E,@' - 'E@ A.' >+' -C'D D@D ' * ,0'
A' '0"' +B +' J, + ' A+-', ? A @2'@ J ' - ' ,>?
M S' 7 -- !' $ ('C !& 0 LN' " CD' 6-?@' -C' ,,-?@'
! ,@' ' +B U@2' AD' ,@ >@+B ' ;MOM' ' "! $'e' K=M'
B@' / @C@A @' - ' ! ,@' AD' -+' ! ,@'^;MLP' ! E,@'
AD' -\' ! E,@a ' AD' ? AG'-+B@C'& -A ' - ' 3 ++@C' C@'
&,@E@ A' -+ -A ' ;MQN' C (' $' 0' 'ON=N' 7 @' ->AD' +'
^ ' +-A@a' -?@ B +' ,@' AD' C@D> E,@' EG' 'UA @' A+-'
+B A', ? A '' -C'J, +@ ' ?>JO' B ' ! - ' ' '8;QLP('
;<=' A ? ,'5 + ' ,@' , U@' ' !-, D2' $ - 1 '
" ,!0' !>JJ,' ! ' !) - (' ! ,@' -C' - ,@' ,>?
'8 :-A(2') '5 ' , &'' 8;=+B' 2' A
" +X / C? (' 8f ,+2' $ &' + ' D ' , +@' ' , '
&'3 - ' ' ,@ A.' -C' D D A.2' ' ' , ' '
8JJ,' +@?' , 3+' +-' >+' -C'D D@ a
' B@' + -A2' -C' A' +' - ' >++ A.' -C'D D A.2' '
+B' ' B CJ' A +C>?@A+
;MQM' O " ' 0' $ 'G ' 'LPQ' @C @ ' ? G' E@'
? AG' G ' ->AD@D2' X2' EG' ! -A' -C' &>A +>C@ ' ;KLP'
T !' $10]' ' ' ' - 0' ' A+C-D 'OP' 3 S' +B@?2' AD'G->'
B @' A' A ? ,' B B'E@. A '+-' E -CE' ,> D2' AD ' ?>,+ J, @ '
+ @, 'EG' -A ' -C' .@C?@
;$' ?$'E3 / 'D ' 2 CR
4==L' 0' , ' "$ 0' '8;K;=(' ' , > ' +' @CC @' \
+@' -E@D @A @' 'U@J +' + ,' ->C' ,G' D C' +B@' J J@' >.@B@'
' AD' +'C .-C-> 'JC- @ 'E@' ??D' . GA ') ' >-C C '
- ' -A@2' \' +B@' . GA + AD C ' - '(V@ D' -E@D @A @ ' ;Q)'
( ) !' - 0' < &0' ('OPO' ' -A'8 B B' '+B@' +@C?' +B@'
&-,@ 'B @' +-' @SJC@ ' A' @,@ + -A'D@ D@D' EG' C? ' AD' A-+'
EG' - @ (' ;QK<R ' '8;KPL(' 'PM;' B@' &C A @ '
- ' +B@' E,--D2' JC@ @A+@D' AD' J>E, B@D' ' ?@?- C2' +BC@ +@AY
A.' ' -A' ;Q<K' 1 0' ' N]M ' -A' ' +@?J-C CG'
>J@C -C +G' - ' +B@' -A@' J C+G2' +B@' -+B@C' '+-' C@ -C+' +-' ' Y
-A' - ' +B@' 6A -A2' A-' @D@C ,' .- @CA?@A+' A' @ @C' @S +'
;KLQ' # ! ' 0' 0' ' A ' '8;KQO(' <Q' B A. ' C J@A'
+- CD 'D- AC .B+' A -?J + E , +G' AD' B +'E' ,,@D' ' Y
-A' ;KQN' + * , ' '' 5) ' $!' 'S ' ;KP' B@'
%B>C B' 'D D@D' A+-'+ -' , @ 2 ' AD' +B@' -A' E@Y
+ @@A' +B@?' ' ,?-+' ' B CJ' '+B +'E@+ @@A' +B@'A-E,@'
AD' +B@' C-+>C @C' ;KKQ' '' '(@+ '8@D 'N,'
40L' "@' @ C@D -?@' -A' A' +B@' -A+ A> +G' - '? A''
@)C @A @
9?' 8 J @ +('? &!0 ^ ' ' 3'
JJ,' +@?' - ' , '+-' >+' -C'D D@' i'%$ 3! '+-'
JC-D> @2' EC A.' -C+B' i' " ' %' '/a' $@Y
JC-D> + -A' EG' -A2' J>C +G2' @E X-.@A@

;KQQ' ' $ 2 ' -'LO' B ' ?- +' ?J,@' ?-D@' - '
C@JC-D> + -A' EG' J C +G' -C' @, D -A' '+B@' ?@' EG'
B B' @,, ' C@' C@JC-D> @D ' ;<N4' $) ' ;O' !@J+ ' =<M O'
#A' J C +G' A' +B@' "GDC- D@ 2' EG' 3 ' C? AD' O ,, C
! -' ! J C-> 'W - 1 B
;<NN' O ' / '# ' <!& (' ?& ' - 0
! - C' 8 X<D(2' (' , -' Q' - X C2' < - C '
^ ' ' 10]
' $ 0' -' >+' +B' -C 2' +-' >+') *B' &%%(' -C'
' &' J @ @' +B' -C ' , -2' + - ' JC@J C@' -C'
+C ?' 8+B@' E@ CD(' +B' -C
SMS ' 2&' &1! 'V 0' ' 'P<' 3 G' J--C@' %B,AA@' +--2' -C' + '
A-+' % X CD',> +' -' > B' '5 -C +@ ' ., @ ' ;K=N' ' ' B '
' S ' O; O' B@' G->A.' B--+ ' - ' +' 6 ' Ga J- A+' A'
' ?- +' @,@. A+' ? AA@C' - @C' +B@' @D.@' - ' ' ., ' -C'
D@ A+@C2' @@? A.' +-' B @' E@@A' A@ 7 ,G' C@D' -C+B'
EG' -?@' CG' B AD ' ;KKP' - ' ? ' - ' - ' ?&"' O=2'
;' -C@D' - '+ -' -C' +BC@@' E@CC @ ' A' +B@' G' B@' B D' +) +'
?@ ' SKKM'C $!!' $!!'<$00' O' !@J+' ' 7 B@A' +B@' ,> U,@ ' ED>,'
X X' ' -C@D' A+-' 'E,--DG'.C @' K<)' / '%' = B '
$. ' ', %' & ! 'L;' B' -, -'E@ A.' -C@D' A+-'B , '
'D-X@A' J @ @
/ ' -' , J' ->+' 8@S+C + (' C-?' A@ J J@C ' -C' +B@'
, U@ ' , -'$1 &!0
SKMW')1!(' E ' 0' $ 0' ' 4=M' > G' >CC@J+ + -> ,G' Y
-C@D' +B@ @' B C? A.' -A. 2' AD' U) +' +B@?' A' ' , ++,@'
-,>?@' S)L' . ' - 0' ' ;LL2' 'B D' -C' ' ,-A.' + ?@2'
+' A+@C , 2' E@@A' +' -CU' -A' ' E--U' +-' E@' @A+ +,@D' +B@'
'#C . A' - ' ?@C A' &-J>, C' &BC @ ' 'B D' -C@D'
C-?' A@ J J@C 2' -,,@ +@D' C-?' A@.C-' ? A +C@, '^@+ a
! - C@C' 8 X@C-*(' E0' 0' ^ ' ' '@'
$' #A@' B-' > @ ' -C ' B@A @2' ' -?J ,@C
;KQK' & ' !!' 0 5@E ' ;KK' 1@' -C@C ' - ' +B@' -,,@.@'
JC@ '' ;K<K'C $!!' $!!'<$ 0 OM' !@J+ '= ;' " @' @C+ A,G' D-@ '
B- 2' -A D@C E,@' E , ' AD'D C ? A + -A' ' ' -C@C
! # C A ^'8 X) ((2' 1!0' 10' , -' - -C '
A. ' ^ ' ' '@' " 7 Q V' B@' + -A' - '
>++ A.' +B' -C
L AA' ?!$,. &0' $ 0 4 ' S' "@' ? G'B @' C ++@A' -?@'
JC@++G' +B A. 2' E>+' B@' ' + U@A' A- ' +-' ,>?2' -C A.2'
A ?EG' J ?EG2' AD' ' I> +@' J- ,@D ') $ OA' = ' . '
& '&) 'C &*! '='0 G'B , J +' +@A' -C' -'B6'+ U' - ' -C A.'
' - @C
E ' * 0' >JJ A. '? D@' +B' -C 2'
S +)' ? $ %& ' 1 'M' : A 'K L' ' +' ^+B@' $@ @ ' - '
$@ @ a' A-+' ,,' ? D@'>J' - ' -C A. ' C-?' +B@' ? . X A@ ''
! - C '8 X *X(2' 10' * 0' 5-C? ' - '= P' , '
->C@ 2' - C 2' P' @ ->C 2' G -C 2' G -C 2'
->C8@(@2' - CG 2' ' (' - C@2' M' G @C 2' G @C 2'
GX@C 2'K 8X(@C 2'M K' , C 2' X8X(@C 2'Q' X C 2'
XX-C 2' @C 2' , -C 2' ' (' X C' 'P' -G -C 2'
' (' -G - C@2' P M' -G C 2' M' -G @C 2' ->C 2'
-GX@C 2' -G-@C 2' G @C 2' - C 2' ' (' - X C2' M Q'
- X8X(@C 2' Q' X C 2' - ->C 2' - !8 (@C 2' S
Q ' M' - ->C@ 2' Q' @C 2' - X C 2' XX C 2
Q K' - @C 2' XX C 2' Q <' - XX-C 2' 2
Q ' $!(' - +B@C '8 @@' , -' / / (2' K - X@C 2' 2n'
-C ' ^3 ' &) (' ," $ (' '#5 ', & '
8?-D 5 ' -A,G' A' +B@' @A @' T', C.@' B@ C '' +B@' @A @'
T -C '" '@SJC@ @D'EG'+B@' -.A +@', $)5(J ' - '
#5 ' , !(' ?-D 5 ' , $) ' @@' . ' 1 +' f ' + '
, &B ' 8C C@ ' +B@' > > ,' -CD' '%& 1 +(' ' @? 'J '
D ', +@' 'T & $' 8A@>+ (' J ' - ') - ' >++ A.'
A +C>?@A+' 8 @.@+ > 2' =nP+B' (2' '3 3('3 (' +B@'
-C?' >?@D' A' JC@J- + -A ,' -?J->AD 'EG', 3('
, ! ' +-' @,,2' +C U@2' E@ +2' , G2' >+ ' B@', +'
@A @2' C +@' A' +B@' ?J,@' E 2' 'JC- ? A@A+' A' ? - +'
- '+B@' -?J->AD '8 '$, (' ,&' ! (' ' ('
5, (' ' B@A @' +B@', +@' '> @' - ' 3' A +@ D' - '
,$ 3' A'D@C + @ 'C@, +@D' +-' +B ' @A @
B@' J@,, A.' +B' ,(' C +' ->AD' A' +B@' M+ B' 2' JJ@ C '+-'
E@' D>@' +-' @+G ?-,-. X A.' -A > -A' +B' ' , & (' .@A+ A
' , ' ' +-' >+2' J, +2' C@)D ' 8% ' , -' ," 0' ' B) '
JJ@ C ' +-' E@' A-' @ D@A @' - ' +B ' -A > -A' +' A' @ C, @C'
D +@2' +B->.B' A' A. ' ?@D @ ,' D- >?@A+ ' , & '8 C ++@A'
, -' , & (', & +' '+B@' > > ,' + A' -CD' -C' '+ ,-C a
' ' >++ A.' A +C?>@A+' -A + A.' - ' ' J C' - ' - ' +-A@
B AD,@D' E, D@ 2' -' J -+@D' +B +' +B@' A +C>?@A+' A'
E@' -J@A@D' +-' ' B J@' C@ @?E, A.' +B +' - ' +B@' ,@++@C'
4 2' AD' +B@' B AD,@ ' +B@A' EC->.B+' +-.@+B@C' . A' -'
' +-' > @' +B@' @D.@ ' - ' +B@' E, D@ ' +-' ,- @' -A' +B@'
-E*@ +' +-' E@' >+
B@', C.@C' A +C>?@A+ ' - ' +B 'U AD2' @ J@ ,,G' +B- @' B B'
C@8$-' ,) .@' +-' E@' ? A J>, +@' +B2' -A@ B AD2' C@' ,,@D'
$ 0 ,-C ' ,,' +B@', C.@' X@' $ (' +B@' ?@D >?' B@'
- - ('* ' ' +B@' ? ,,' W S@' , & ' -C',) 0 A' ! 'D Y
,@ + ' ,,' X@ ' - ' +B@' C+ ,@' C@' ,,@D' $ (' +B@' -CD'
, & 'A-+' E@ A.' A' > @
' A' * 0' -C?' +B' J,>C ,' -A +C> + -A2' @ +B@C' A'
A.>, C' -C' J,>C ,' @A @' 7 B@A' I> , + -A' EG'
'A>?@C ,' -C' A' AD@BA +@' C+ ,@' ' C@I> C@D2' * $ '
&%' , & ' '> @D
) ');LK=' B ' 0' $- 'M<N' 85 C (' AD' ?--'E@CDG '
A' + -' ->C@ ' 7 +B->+@' $ ->C' -C' ! ->C@ ' 1 ? D@' +B@A'
.C@GAD)' E@)- ' -AD@ ');=NN ? " '' O<SM' @+ +B' 'J@ C'
->C 2' B@C +B' ? G'B@CD' A--A ' 1 0 O<SQ' !-?' @A+' +-'
+B' @ ->C ' %4=PN' ?.0') $ " 'KLN' A' ?$1 ' ?.0( ) '
A- ' - 'E-?'D- @' G' 7 +B' ,- @' @ ->C 2' ' ' *- ' G
!G -C ' cb<R . 7 'OP; X & GC@' - ' G @C 2 , ! 0(%& , (
Z&' B ') 10 8;KQK(LM '' E>++C @' AD' J A @C 2' '
B ? ? @C' AD' A ,@2 A' J ?@' AD' X@C' -C'E@ D'@ AD@ 2' EG'
+ ,@' 4++' '< 'A) *'I C %0' &) '/')'E2 B@A'E@. A'
B@' +-'+ U@' B ' C' A' B 'E AD' AD'E ' -? E@' ;MSQ'
= ' * ' '0A '=P' B@'B C@' -A'B ' B A B@'> @D' ,? - +

D ,G' +-' >+' +' +B' B ' X@C ' ;MPN ML' 8 . ') ' &! '
- $'' ' 'X' 2' " @ ' B D' A@ +B@C' ? -AG' @A->.B' +-' B C@' '
O CE@C2' A-C' E>G' ! X C ' ;MKO') 8 .. ' $' (' , ' ;;'
' #>+' >J-A' +,?+' ,+BG' .@2' 3 G' ? D' +B' B@C' ! C ' A'
+ -' ? A>+@ ' B ,,' %>+' ?@' ' O@++@C' A' EC- A' J J@C ' ;QNM'
S B 7 ' $. ' ' =P' AD' +B@C@ ' +BG' JC@++G' &- U@+ '
! C '+B->'B +' B-A->C@D' ?@' +B ' ;Q;N' ' - ') &
<'8 ,-E@('PQ ' ->AD -A@' & C' - ', C.@' ! XX@C
% 0' 4=)' $ 0' ' 'MP ;' '& C@' - ' G -C ' % '0'
?$ 1 3) 0' &' (' 8;K<N(' PLN' 3 G' J, +@C' E-S AD' +B@'
G C ' +B@C@ A ' ' &- 0' ? 0' ' ' ;QP' " ' ? A
+B' % X@C ' A U@ ' A ?' + U@' ' -D@ ' 4!<<' ' . B ' &"0'
' 'KQ' 'J C@' - ' E CJ@' GX@C ' : ' ' +C ' &> '
% ,$' > ' LN=' B@G B >@' - ' +B@ C' E C@ ' +-' +B@' @CG'
E-A@ ' +B->+' AG' DXX@C ' -C'C -C ' S)L' ' 8 ' $ 0'
< - 0(@+ '8;MQQ(' MS' %>+' A' J @ @ ' +B, C.@' % C ' SMKM'
) $%%& 0L<;' A'+B@' ? A .@?@B+- B@C% @C ' $';M<Q'
V > *5 ? %' ' 8;K<K(' O ;' "@' ->,D' EC A.' ' J C@'
- ' X) ' A'B 'A> @
G ' !PMK' <&' $! &> ' *(' ') 0 &C@%' O *'E2 B ' .@A+,@Y
? A ' +-U@' 'J C@' - ' % ->C@ 2' AD'J C@D'B ' ? U@C' B@C@'
B@' ' ->@C.C- A@ ' MSO' 9) ..'N;))' , 7 U 8 MPL('
;Q' -' J C' - ' .--D' ! @C ' -C' +-' >+' B C' ;MM=' 9)'
% ' 8# ' " '! (' 'K' 5 -C' .C AD A.' ? G' +B@C 2' # 0 ;MQL
: ' "&) - 0' &2 ' 0' =MN' B@G' + U@' +B@' C@ +' E>A B@ 2' AD'
+B' 'J C' - ' D @) ' A J' - ' ,,' +B@' >,+G' .C J@ ' ;Q)
: ' .X ' " ' $ 0)D ' =(' ;N=' %, JJ A.' ?G'E@ CD' +B'
'J C' -^' C ' K !' .6 ' $' ' $)1)!'8;K=O(' '
;NL' B@ C'E@ CD ' C@'A@ @C'+-> B@D'EG' -C ' L 'Fa' '
' C& , !$ '' =' <!(' ' ;QL' AG' >J@C E>AD A @' - '
? +@C ,' ' >+' G'EG' +B@' -C ' B ,@' +B@' . ,) ' 'C@D '
B-+' 5? C' ' ,0' (' , 0'C !& 0 << ! -C!' AD'
CJ@A+@C 'J A @C ' C@' @S) @ ' - 'D->E,@' ,@ @C ' - '+B@' C +'
U AD ' ;KKM' " '% ' 0'? $O !'=N< 3 G' ?@A' D - +@D'
' >++ A.' +B@?' ,0+ U a' A' + -' +B' -C
'E ' A' A.2' -C?2' f 'J C' - ' -C ' 1 0
,'U 'C &- *0 C$ 0 QK O' %G - C@2'%& * 50' 1 0 =)M O'
!G - C@2' B@C@2G))) C' M S' 7 !' ! ' ' , ++,@' X C2'
-C' B @,`' 1 0(' & , (' ' ,X C2' ' ! A 6' J C@' - ' E@@C@ '
'%,' A 2' -C?' -A +C>@D' ' ***0' $ (
X) L' < 3 ' " (' ! '(' 0' SS S ' L<N2' ' C@?- @D' +B@'
,,-> '@D.@ ' +B' ' -C ' ;K=Q' . ' ') 3'
' ' ' S2' - 'D-A +'G->' +B AU' +B@', D' ->,D' E@'B ADY
-?@C' C-JJ@D .@+' ?@' ' -C)' ;K=< 3 ' 9 '
' ' & ! ' 2' 7 B +' ',- @,G' -C ` D D'G->' B-- @'
+2' ? ?? 2' -C'D D' +'),#A.' +-' +B@' E-S'+' ;<NM' - 0'<$00'
O;' 3 C ' ;O S' 7 B B' '@ ,G' C@?- @D' +B' ' -C
D ' $' %(' 05 % *(' 8% ' $ (' B B' ' ?-C@'
-??-A' A' D .A @D' ?@+ JB-C (
SM '+C ' &- (' ('C $', &'' 'QP' B ' .--D' !@C A+ 2'
-?@ B +' ->C+ ,@D' #>C' %-??-A 2' AD' -C' +B 'C@ -A' @'
. @' B ?' +B@' A U A ?@' - ' E@ A.' " -C+@A > 'E ' ! -C '
[Q=O' B 7' (' 0' ' M<K' D' ? \' +-' . *' J @' 7 +B'
D@ + AG ' AD' @C@' B@C' C ' >+' 3 G' +BC@ D' - ', @2' +-' EC@ U'
+B ' +->.B@C' +BC@ D' # ' ?-C ,' D@ +B2' +B +' + @ ' ?@' +-' +B@'
-C,D2' S*) ' +C ' - (') ' ?&,$ ' ' (' O;4' B@'
C ' - ' + ?@' >+' +B@ C' ^ ,J a' >?? + ' A+-' '+B-> AD'
+C A.@' -C? ' 4K=L' . . 'C$ ' T C 0' 0'S ' ;M<' AD'
:- @, A 'O- @,,@ A' CC + @' >DD@A,G' B-CA' +BC->.B' EG'
+B@' -C ' - ' / @ + AG2' @AD ' 4KKL' $ (' 0 ;L' # +' =M= O'
' @' - ' S. A+> ' -A ' B B'B@'B 'J, @D' +B@' A-+'>AA@ @ Y
CG' -C
@ ' , & '$' '*$ '8 '*$ '$' ' , & >+'H JC-Y
@CE ,,G' C@ @CC@D' +-' ' +B@' A +C>?@A+ ' > @D' 1"' +B@'
A@ J J@C' >E @D +-C' -C' +B@' ?@C@' ?@ B A ,' -?Y
J ,@C ' $ 1(
$ $>' ' 0' ;M' :>A@' A' &,. $ ' 8;KLQ(' 'MP' B@'
A D@A+ ' ,@,@ +@D' B->,D'B @ -?@'C@ @C@A @'+-' ?> @?@A+'
' @,,' A -C? + -A2' AD' ? G'E@' - -A ,,G' EC D.@D'
A' +B@' A CC + -A ' E>+2' +@C' ,,2'J +@' AD' -C ' -C?' G%>C'
JC A J ,' ? +@C , ' K M' 5 ' .X ' % '=' 0' '=NK2'
;'B + ,G' -??@A @D' A' ,+@C + -A2' AD' 'B + ,G' -A ,>D@D'
+2)' D@D' +B' +B- @' + -' @ @ + @' - -J@C +-C 2' J +@' AD'
-C ' SK)' $ - 10' " %T!0067' / @ 'QKP ;'= ! '& %$,! +'
! -C ' AD' & +@
/ ' ! ' 0' ' .C J' +B' +B@' C + ' C- @D', U@'
'J C' - ' -C ' , -'$ 10

A' +B@' @ ?D'E->+' %C-X+@C ' +@C' ' @ '? A>+@ 2' . A' J>+'
+B@' -C ' -A2' AD' +3 ' + ?@' J AA)'B ' ? A'D- A' A@ '
> A.' +B@'D->E,@' A@, -A
(' '' ?@ B A ,' -A+C A @' -C' .C JJ A.' ' !
- ' - ' +-A@
c &N 3 ' ', & ' 'C!$ ' ';<K' B +' + -'?@A' B->,D'
B AD,@' ' !+-A@' -'B@ G2'@ @A' A. A.' A' +B@' D -C
(' !$ ' *0 A'@S , ? + -A' - 'D .> +' -C' ?J + @A @
%]< ! +01' ' '%"' 0 85 C?@C(2' # B2' -C ' A A> +@'
+B +' +'+ U@ 'A A@' - '> '+-' ? D@@' '? A' ;K<L' = .. 'T "'
?$!!$ 'LL S' #B2' -C '' *@ +'D DA +' @' . @' @?' + A+ G
M ' $ 10' AD' &- 1(' 8 B @ ,G' A' -C?' , & 3+('
' , & 31!$ ('3,$ (' / -$. ('3 - ' , & 3! . (
3 $! ('32 ' 3 a) 2 ' \ , & =*3%$ &'(3>2 ' D '
-C E@ U2' E ,,2' ' U ??@C' -C' B@ C +@C2'
@ J ' "', &* '' $T(' -C'
K -C8K(.C AD@C2' 8 (' '? A' B-'.C AD ' -C '
+' ' D ,2' A ?@' -C' +B@' A .B+ C2' $* -)!) '
) &* - H' - -C + ,2' @ +B@C' - ' + -' ?@C A'
E CD ' - '+3 ' ? ,G' " $'' Z1(E)!) %& % ,$) '
AD' 0' " $'') ' -C +--+B2' +U@' @ +-C ,' -C'
? ,'+--+B' - ' ' CA -C@
;KL<' 8 ' &"' $ ' '8;K=P(' ;LQ 'B@C@' ' ' @CG'
@S+C -CD A CG' E CD2' ,,@D' +B@') -C E@ U' = "', &* '
' $+(' $ I' . ' * - ' $! ' OSO' B@' , C.@' .C@G'
J@, A2' +B@') -C E>,' AD'D @C ' ;KM< QL' ' '#
$ '?. (' ? ' ;KP' B@' ! A' E,,, ' = "', %C +'
-A + +>+@' '.C->J' - 'A .B+'E CD ' 1 0(' B@' AD A'!D) C '
E ,,' = "', &* ' & ' $! +0' 1 0' ' M E@' ! -C'
O CD' - '+B@'OC X , A '= !)!) ' " $'') +(00' ' - -A ,,G'
?@+' +B' A' +B@' 6A +@D' !+ +@ ' ;KQN' 0' < & > ' & *('
*(' P;=' +@C' ,- >C@' - '+B@' -C E, D@ ' ;QNM' &' 0'
<$00' N =OL= !' - ' !D b@C'%@ @ 222' E-+B' - '! , @C ' ;K<P'
) ' 'FX ' D' OSQ'!% 5A! ' -CU@D' ?G',-A.',@. -C

B -A+BC->.B+B@ +@C) L %OOLMB ..E ' !!&2
OOQ "@C@ B@ ! -C @C AD@C2 J > A.2D- 5 B B + ;K<L
A A N `» @,, "? &$ & %&!.PN B@ .B+* C8 UA- A
+B@a T ! -C .C AD@ SKMK *(E(0 & - - (,(
6KM<(L;M + +B@ A +C>?@A+a -A + -) -CD U@
C ?@ SKKM < B A ',",!(? (4 4 QQ) O B@G
^+B@ J U@D D-. B Ba >+ +B@ ,A@ +B +B@ C + -+),U@
+@@+B ;QN= ' (< $O(- =NKO =)! X@C -C 9A @ ? U@C
;MOL = , O; "$ 0 2 L; e M B@ # >J -A - %>+,@C2
)! -C ? +E2 !B@ C ? +B -C ! U,@ ? +B SK,. 5$ - '
X- 3 G O) O ! OC- DB@ D AD I >CA@G2 !B@ @,D2
D P-C ? +A OKL< 8 &"($ (8;K=P(;LK
E CD +B -CU@D + ,2 +@C? A +@D EG + - ,-A. @ +B@C
8 GC AA> A (AD A ?@D EG +B@ !J A CD) -C
+ ,2 @CG -??-A A@ C O>@A- GC@ A >A 3 V "
0 - (? ;M< ! ,,- + ,@D 5,G + B@C ! -C
+ , A O& (8 (? A K;M ! XX-C + ,2 !3
)!) & ,$) -A@ - +B@ ?- + E@ >+ >, - +B@ " $'3
' $ (O) L < '0 0 ? L=K ! C
+ ,@D - + > U@C AB E + & C .> G OKSO 8
N&&!0 6 ; OKN ! C + ,@D B>?? A. E CD &, E)
22 + @ - & C .> G OK=N 2 ' - (
V ' 0 S.S B@ ,$ - $ -C -C +--+B2 4K<=) '
86 ! (4 4 PL + B-C+ -,>?A - -C A.@D
E CD OKQL % * & $ O;= J C -
--J ,- @>J-A -A@ A-+B@C g -C @ -A B A.@
! !!+6 CD 1(, -M - +,(^
5 ,) 8;M+B A" +X / C? (2 D $(
, ' 8J JJ,@ ,) + +- +2 D D@ @@
!V
, -A. +>D A , @ + -C -J@A A. ? D@ EG +Y
+A. -C @J C + -A - J C+ C@A+2 >C@)
OWOO<) "% 'C ! 0 8% ?D@A(OM B@CEG , -2
>C@ -C ,G +@ A +B@ +-A@C-U2 - ?- B@ +B ? A ,?- +@
? G ,G@ +B@C A ;M;M !" +) $ 0 L) U@ A
@ C+B I> U@2 B- @C@A+ \ >C@ +B@ EC@ U A.) - +B@
B@ C+ OMLL ') ' C 0 ,< 'C-E@ +B + +B>
C+ B ,,G? A.,@D2 +B@ >C@ AD EC@ B@ E@C@ -A ,@D
+B E-CD@C - -,D AD +>DD@ - ! , @C JJ C@W ?-C@
.,-C -> 2+B A +B@ -C?@C -A+ A> +G ->,D B @? D@ + O)PM
B < & & @0 " ,) " , @+2 >+ -CC@A+ +B@ D -A
-CJ C+ A. - C @C2 $ OMMN) - 0 8OMM=(ON
B@A +B@ O-DG + -CA >AD@C2 +B@ !->, " +B->+ OAG
C+B@C + # - ,@A @ -C @D ->+- + J, @2 +B +) @
+ + .B+ B-?@+-"@ @A2 E@ A. +B>, @+ ->+ +B@) D >C@2
+ +B@ 7 AD- ;MKO " = 5*($ (M
%, G @ .C->AD B->,D ,@ @ +B D@ >C AD
,,- D- A >DD@A -CC@A+ OQP< +C) $-) (
8;QMO(; LQ AD D D@ +2 EG ? U A. A ? AA@C
>C@ L *)!) " @ +B->.B+ +B +
+B@ ->AD B B B@ B D ? D@ +B B , A @ ->,D C@
@?E,@ +B@ >C@ - +@@+B
!$ J, +2 D -A2 B ?
OML 3 '7 C) $ " $ $ ' $ 'H L ;P '%-A
+C G+- B) - (C-? +B@ C@@U@ -CD .A G A.
,) " &) & OM A I J 8 . %& - 8;MM;(
OO) - JC- @@D A +B@ +C>@ D - @CG - +B@ @ /D A@ + U
>C@ OM=] !($;K; - ? AD C@A+ A+- -
? AG >C@ AD !@ +)OM=P] 0 8;MPP(M
+B !@ + ^+B@ &C@ EG+@C A a ? G E@ ?J>+@D ,,+B@
>C@ +B + B @ B JJ@A3 A %BC + A+G SD=Q K
C&2 &%V " MQ + ->,D E-+B >AJ@-)3@ +B@C
@?E,@ 2 AD A@ @ C,G > @ D A.@C-> !)>C@
+B@ ?>,+ +>D@ OMP= " XMMS(O=
!B+ ?@ .A @ C? A-> >C@2C@A+2 -C D -A A
+B@ %B>C B
/ $((@+ A +>C , @ + -C -J@A A. A A
-C. A -C J C+
,;=NN $ %$) 0 OML ! >C@ J ,-6A A
? AA@ +>F.@ aV + + @C@ U>+ A. OMNQ .
&) 3%0 ? 8;MPK(L=N A +B@ ? ,@ ^BG @A 2>AD@C +B@
+ ,a +B@C@ >C@,U@ +B@ @ C@+ - ? ,@ OM=
" = & & %&)f8;M=Q(-+@ ;LK O + E@ A. C->AD
C>+2 AD C@JC@ @A+A. +B@ @? A ,>6A@ @- +B) C+B2
+ >C@ A +B@ D@2 >, - U@?@, - -C @@D XM)
5-S) C) 0 ;; Q; G->AD +@C +B@ -J@AY
A.- +B@ U A2 A@ +B) C +>C@A-C @A >C@ DMK 9 .
$! $ (+ ;QQ B + ! >C@ - +B@ 5 @ +BC->.B
B B @EC@ +B AD C@ @ @ ->C A->C B@?A2 XG .? $ 3
! % $-(0 0 " B@ @+ - -E@ A- +B@ @Ca
C @J C +@D EG ! >C@ -C %,@ +@ +BC-A.B B B +B@
6?E@, @A@A+@C ;KOO K< <&&) (8@D L(
MLL 7 B@+B@C +B@ E,--D - >JG +B@ .C@ + F+@C,-E>, C
>C@2 AD +B> , @>J-A +B@ -CJ> ,,- >?
H!$ @.?@A+ 1 0
SMM " B $, $ ON + D D@D A+-
@ @C >C@ 2 AD J @ @ 2 U DA@G
)B@ B@+ -A - >++ A.
$/ I " *& &!" 8;PQN(K ! - C +@ +B ? AG
?- A @D-?@ @S @,,@A+2 @ .C- @ +B@C B@+@ 7 +B->+
>++ A. -C C >C@
! - G? 2 ! $
= $ 1 K O ,E, - $ /
$/ $) / 2/ $, ,
> >@+P G-M-$L) " $.
T A%/% . B <!& " , $- " U AD- ?@ +B A.
@CG J,@ A+ + , -J,@ A+A@ 2-C A@ -C ++G
+B A. @+ +- D-CA -A@ + ,U
8 % ? A (2 $0 ?&0 -
+ ? A-> ^ ?-D4 , $- - 8 !,- $
OC- A LNP2 ,+@C@D -C? - , $ -
J 2+B@ A ?@ @A +- +B -CD@C EG A- @A ;QP;2
>..@ +@D EG $ - $30 @@ JC@ (i -A :
-C J@C+ A A. +- +B@ $ - (-C?@C -CD@C
- ?-A- D+G,@D-A-A +C-J ,J, A+ 2 A ,>D A. +B@
JC@ @A+ -CD@C) $, 5 AD N 1 $, 0
;KNM BB +C "0 "E $(SJ, @C? 2
, $-) (- J G+ +@ AD-D->C SKSK X
-*$ $$ %$! $- ;LN + E@ B D C-? G ? 2
J-+ +-@ 2 CC- C--+ 2 -C@E D@->C--+ AD D+ ? >@->
S! 2 3 , "E0 <$ (8@D O(<LN ! + ? A-> 2 -C
$@ G & & A+ SK S - +-6 $(3 Dd
=OK -+E A, UA- A - +B@ -C. A -+B@ + J>A@->
C> + +- E +B@ A ?@ S> .@$->AD %B A % CD ?-?B

E@@A) @A K) < $!(8;KP (;QP & ,? AD
+ ? A@-> J, A+
! - + + -A2 -E -C? -
+! +@ 1 ^ D , !) - =%! 1 + D@ C@@
-C -CD A A @ 8- +B@ J@-J,@(2 A@>+ J JJ,@ -
,,@ ! +- @J+2 JJC- @2 B@A @ +- JJ- A+2 D@Y
C@@2 -CD A a I>-+(
SM M . B <!& ((, (A #CD A A @2 /@ C@@2 -C
!+ +>+@
! - +@2 -E -C? - AD
! +B@C 2 -E AD D ,2 -C?- ! -O!
! + @2 -E ! -C? - !
+! +>C@ 1 JJ, +@? -
+- UA- i 600a 9A- ,@D.@
,OP=N C " $!&% (3 @,, OU2 8 # (SSS
;K 9A- G@ +B + @ - ->C @C+@A ! +>C@ AD ?@C@ ?- -A
B >@ @A, @A @^@+ a
! >C A@ 8 - D>C A(2 $(AD 1(^ ,) 3) (
D C %5&*& ' I>CC@, 8 d $ B D- a & *1 + ,(
a a $:0 # -C J@C+ A A. +- +B@ .@A>
,)) -C >E ? ,G ,) $- I>CC@, 2 E 1(
>C A@C-D@A+a I> CC@,
XK) & . (@+ 2 ,) 0 B@ A ?@
? ,G $-D@A+ B B +B@ .@A> ,)) +B@ +GJ@
OKP< MO & : 6 # & " @+ ($0 8SKMK(
K;O B@ ! >CA@ &@+ >C 4C $)) + -C !>. C
!I>CC@, OKQQ , 0 - (& $N"&[5
+ -A @ C@ -.A X E,@ EG + .@A@C , !C >C A@ -C? OKKL
," ,!(? 0 4 =[G A +B@ ! >C A@ AD "G +C A@
$-D@A+ +B@+ E AD E>, C@D +A+
! AC- D 8 A +-,D(2 $0 ^ , 3) 8 @@
JC@ (a - / a
N&&!0 # -CJ@C+> A A. +- +B@. 9CS 2-C I> CC@,
? ,G SK)S A) " (
O ? & (T %>C @D ++D E> BG2, U@ I> CC@, +
8O / : U -A < (?& 0 - ;<NN(
OK<P A) .> $ ([,0
! >C-?-CJ,, 8< >V C>?JC(2 S ^ D ?-D
) &-& * 3$ A@>+ J 2 C $)& *& 4 !
? * (E%) L* -A : +%D@A+ - +B@ AJ@C ? ,G
) &-& * $(-?JC A. +B@ ,) (& - $0
!) (@+
SKK C&*((& .!"" ((=OL B@ >C-?-CJB 8 I> C
C@, AD@ ? C?-+ (;K<;) ") (
"@A @! >C-?-TSJ4! -2! >C- ? - O+J3 A@$ B 2
-) J@C+ A A. +- 2 -C C@ @?E, A. +B@ ,) &% & * $0
OK<O) " 0 2 ,) [" ? ,G - >C-?-C
JB ?J, D@A+ C-D@A+? ?? , 5Z 7) - S; 3 C
7;R S 3C 5 & C -A C@ D J J@C -A +B@ ?G-,-.G -
+B@,) +C -?-CJB A@ AD D>C-? -CJB A@C-D@A+
!@U 2 A - -J , 3 I J@,, A. -C ! -C
! , 3 AD ! C A+ - !
8 U, @ (2 %(<&%% ^ > @ - ! !$%%
)+- +C U@ +B +B@ #J@A B AD -C +B AG+B A.
B A. + >C @H T+- ,U A ,>? G G
+B->+ JC-J@C,G , + A. +B@ @@+2 +- B> @ ,-A.
&C-E - -A-? +-J-@ -C. A !$%% E 2 T+B@
A- @ ? D@ EG , .B+ E,- " -C T A B> , A. +B@
@@+" 8 / / (a % (8!@@ I>-+ ;K<Q(E
$ 0 - C J@ 8+B@ .C->AD(E@B AD +B@ E ,, A
+C U A. -2 +- B + 8 E ,,(+@C B A. C J@D
+B@ .C->AD +B +B@ ,>E "@A @!-, @D** $((
!-, A. 1 1(
OK<L 7 A & -0 $ (JC MP; B + +B@G ? .B+
+-@ -C B@@, +B@E , AD ! 6+ ,-A. "U@?@ ;K<M 1 / &7
:C <$- &%<&!% A E A. E ,,+B@ +C-U@ J, LC@D
+B +B@ A+@A+ -A - , -, + A. B .B A +B@@>C2 B@C@
, @D E ,, A-+ A@ @ C,G ,- +@D B .B XK) ",!
*& =QL S 88) 9(, %%" +- C J@ +B@ >C, @ - +B@
.C->AD +B +B@ , -@ - +A@ ,>E E@ D E@ -C@ +C U A. +B@
E ,, 1 0 =M<)! -, A. , - +B@C@ >,+ - +C U A. +B@
.C->AD E@B AD +B@ E ,, O<#= - (<$O(;L 3 G L X A
>A @C+ A JC-J-C+ -A B-C+@C2 A -A @I>@A @ - A
+B@ .C->AD2 +B A +B@J, G@, B D A+@AD@D
! , @2 ! - , -2K , MA @@ . 3!@+
! ,@C 8 U, (^? -D C $5[B*1
B CD a B@ ,@C-+ - + - +B@ @G@E ,,
SKK!" : 3 & A (* * 0 OM; ?? +>C@
@G@ 2 A B B +B@ ,@C B ++ A@D A -@S @ @ .C- +B
+! ,@ C . - . + ^ A@S+ i a #A@
B- JC + @ T ,@C .- .G 2 C .-C-> $
$ OM=O % & (0 8;M=O(=NL @+ @6@
AD ! ,@C .- . + +B@G 7@C- A ? - + C . D ? AA@C
+! ,@ C) # .G 1 (^ D C VV B*$"$"" $
B CDG +C A A.2 5 H 9 B CD2 B C B
-AD> + A.2 .> D A.) @C@ D J, A@ -C +C A A.
B CD +C@ + ?@A+ - D E-DG ?-C+ + -A
OMO; 3-> +C $ 1 B ? -A. +%BC + A 2
+B + ! ,@C .- . @ - +B@ A @A+ 3-AU AD @+ @) A
@@D A. J-A +B- @ [5 $(OMP< " [7 & % !!$
(%%0 ;=< -D,G -CC- +VC -A+C + -A2 B B +B@ ! ,@C
.-.G ?- + , U@ +D C@ +@ ;9 8 &) *!& ;P 7 @
B @ E@ CD C-? ! + :@C- ?@ - +B@ E + A@A @ AD !C @C
.-.G - 3 -A+ A>
! ,@C ,8 U,,) ,(2 8 ^ !% O i a # -C
J@C+ A A. +- +B@ ,@C -C ,@C -
OKM< M (") _]. %<& B@ E, D@ A -
J> B@D -A , ++,@ G A +B@ ,@C J, A@ XKKK : 3
& A - !(& * &!(,, OMM B@ ,@C ,J-C+ -A - +
+B@ > , >C @ - +B@ ?@ +>C@ +B@ +@ +@ OK<N
- (") (!@C , + 4 4 4 4 =SN A +B@ -?J->AD
@G@ - &B -J C@ -A+ A>-> J + B@ - ,@C , A+-.>
? @A+ E@+ @@A +B@ -??6+D
! ,@C >+B 8 U,, C _(?&0 ^!B-C+@A@D D
?-D ,! $ % 5(,! $) 8 @@ E@,- (2

C $5V B*31 B CD 8 &(,- @C a J, A+ E@Y
,-A. A. +- +B@ # ,! $ (- B B +B@
+GJ , .@A> ,! $ 2 -C 9A-+)
O)) . (V (P;L B- @ J@C .GA-> J, A+
B B C@ + +-A@D +B ! ,@C A+A A 5 - D,
K ,@C@ 8 U,, Z*(N&&!(^ D C ,VH B*9 " A@>+ -
Y 8A B CD a B CD , @-> -C , C@->E-DG
-C? A. A @,@?@A+ A +B@ U@,@+-A - J-A.@
OKKQ A ," ,!(? (4 4 =;) ; B@ , -I
$ C@ +C@A.+B@A@D EG , C@->> ,@C@ 2?-C@ @ J@Y
,,G D@ .A +@D J >,@
! ,@C@ D 8 U,,@ X D(?& (, - ,@C D
^ CC@. C 2 H *39 B CD @@ / a 8!@@ I>-+ (
O<NN 0 / # <!& 0 ?&0 - OLL O ,! "
,@C-+ -C +-A@ @,2 +C-A.,G +B U@A@D -C, .A @D @,,
+ -?@+ ?@ J@,,@D ,! 0
! ,@C@ ? 8 U, ZC ? (, - ,@C@ ?
^?-D -C? - 5 , E! - " C $VH B*39 B CD2
-A +B@ >JJ- @D A , .G -, 1-) B@
-C? A 3 $ D>@ +- ? , + -A +- -+B@C A ?@
- D @ @ a 8!@@ I>-+ ;KPK (
(?: M 5*& (5(" ,! - $(+@C?
+B@ B CD@A A. - +B@ @,,>, C + >@ - A@ E-CA A A+
KQ< T ! (MN B@ U A B J@ >, C? CE,@
9U@ @@, A ,@C@? AD A ?-CJE@@ ;K<< !! % " 0
(MQP B@.@A> T ,@C@? A B B B@ A ,>D@D
,-+B@ -@D@? +-> ,@C@? - A A+
! ,@C@A UG? 8 U, -C@ IU ? (, - A.,Y
X@D -,@C@ -BG? ^?-D 2 C B CD
"5" A A > -A2 +@C *$, , "-$(H
N&&!(B@ B CD >E + A @ - +B@ , C@->
U@,@+-A - ,@C-D@C? -C ,
SKM+ : $, ! 0 ;9; B@) ,@@A BG? -C
-C+D + >@
/ ?& (8!@@ I>-+ ;<NN (
4KQP + \ F! +C $,0 ?&0 S-M B@ ,@C@A
%BG? A +B@ CJ@, - +-A@ C>+ 8+B@ + >@ - +B@ +-A@
A &+>A> 2 % - 2 \ (-C? D-)? @, G@C XKKS
," 6 4 ;P O /@ O CG A ,>D@ S?D@C+B@ A ?@
@ !D@C@A BG? ,6B@B CD+B U@A@D D,)*J, A+ 2 B@+B@C
,-A. -C B-C+2 B B @ E@ -?@ .+@ >,G+B U@A@D2 AD
B- @ +G A@ C) A-+ I> +@ -E, +@C +@D OKKL ">S
: 15 % ? &!(PQ B@ D CU)C- A B AD ? + - ,,
BUB C@ - ?> B @,-A.)+@D) , ? - + - TC D@ @C @ +B@ A ?@
EC@ AD -A + +>+@ B + +@C?@D D)C@B BG? O<NN
O / R 9 <!& 0 ?&0 6 - " , " - $" 8 (-CY
?@C,G JJ,@D + -A@ @,,2 D@C@ D 8D(+@C CD JC-Y
J- @D -CE + -C, E@C @,,2 B B C@ ??@A @,G +B U@A@D
7 +B +B@ C JC-+-J, ? ,-+
$ % 10 ;KK; , " , !0 ? (4 D C B@ , - +B@
,@C@A BG? EC@ - +@A A @SB E + J@ >, C J,+,U@ J ++@D
? CU A. OKKO 8 A A0 " !0 , & ,0 0 4 4 OKQ
4)A.>AEC A B@D ,@C@A AG? EC@ +B ?--+B ,,
! ,@ @> BG? +- 8 U6 C@+ U? +D (2 $0
^ ?-D ,!! , "-,E3(!-+O* % 3 i - a
%-A +A. -2 -C -A+ A A. ,@C@A BG?
;3 ; : $2 ! 0 O;P B@ ,6 + @C-,+ , ?A @-
@, @A ,G? +-> D@J- + S!!S O- A % 6-f0
(,(4 4 ON ! ++@C@D CC@.>, C,G D C->.B +B@
##CC@ ,+ >@2 C@ +@C@A BG? +-)@"W
,!%,@C !! 8 U, C C (C$ 0 ^?-D 2
C $). *31 B CD2 +@C !* $!$ fH B CD
+>?->C -C AD>C + -A CCB>
2MK=+C ? !$,$ C" (,0 , % " "" CDA@
J C+ L A 7 ;Z9 $, ;K /@ K=O O
/C 5 .,@ EC->.B+ +- +B@ !- @+G , A. J@ ?@A -
! ,@C -C ! ,@C-D@C? S!G * , = . 0
L) / > @D ,@C-D@C? , ! $ +(
! ,@C D2 C A+ -)
! ,@C +@ 8 U, C +(N&&!0 ^ C $kH *39
B +D i a A +B@ A +-?G - A @C+@EC +@ 2
@ B- +B@ D@ A +@ - ?J-A@A+ J-C+ -A A+- B B
+,@B@ CD J-C+ -A -A- +B@ >E + A @ - @C+ A A ? D
D D@D
S S : $ < & ! (S X 5 @ U AD # +B@ @)
#6,@2 #C T ,@C +@ " 5Z" BL $ ((- 0
=;N ^ A +B@ - UC- B a #A +B@ >AD@C)! D@ - +B@ , A.> C@
+ -EC- D@C ,@C +@ 2 B B , -> (+@ AD -C? A C B
SKKD . \ # - (% ;=O & ," A +B@
A@ U+B@C@C C@ @C+?A B+A->A@@ 2-C A@ ,@C +@
?!7 5) - ;N 5@E ;K= X "@ ^3 >C @a -A D@C@D
+B@ C ++ - @ A+C) ,@C +@ - +B@ ED-?@A+-E@ JJ@ADY
.@ AD A- + +@? +@
"@A @! ,@C, + $0(J@C+ A A. +- ,@C +@ - +B@
A +>C@ - ,@C +@
! -) C + 8 U, DC- D (^! O i a
A , ?? + -A - +B@ ,@C 2 ,@C-++
SDMS + , " C (0 8;KQ<(QNL @ + -A D>@ +-
J C@A BG? +-> ,@C+ C@C C@C +,,
$,@C- 8 U,,bC Q(2 - >CC A. A ! @A+ +@C?
-?EA A. -C? - C d .]*93 B CD
O ,< C-EC B +@ $0 ^ 1 $, - U +B@ D Y
+A + @ @J +B@ + - +B- @ EC B-J-D A B B +B@
C? C@ >JJ-C+@D EG B CD J, +@ Q "
D -+G,@ C$ 0 ^ C $5 .& A.@Ca2 > @C A.
C-? !-,@ -D +G,G ^?-D ,! &X) "> &H(
-C? - ,@C-D@C? @ +A. +B@ A.@C AD +-@
! ,@ - U@D@+ ,$0(J@C+ A A. +- -C - +B@ A +>C@
- +B@ ! ,@ f C- U@ @+-A2 +B@ > CD A@D -C - @D
EC-> AD +@AD A-> + >@ B B@A ,- @ -C.?
L &) !@+ $($(;ML !D@C-EC B +@
OC B-J-D 4 , &1 $, $$+(c&R ! " (
,,2MQM B@ A.@C ^? G E@ -C @, D 7%D"8 @C-D +G @2
C% ,@C-D@C? % & 1 0 Q= 7D, A @D @
% ,@JC- GaB @ C@ I>@A+,G E@@A @A@A>D@ +B2 ,@C-
D +G,G ^@+ a \ I # V " 0 - 0? 8@D O(;L=
%@C+ A E-A@ D@ @,-J@D J C+ C-? +B@ G +@? + @AD-

U@,@+-AZ A' EC->'+ >@Z C@' ,,@D' @C- U@,@+ 6' ;KP=
8 ' A' ,T' ,)' T' $E' ';ML' B- @'8E-A@ a' D@Y
@,-J@D' A'+@AD-A Z , . ?@A+ Z AD' J-A@>C-)'^-C?a'+B@'
T' @C- U@,@+-A

;$' ' ' ! ' ' ' ') 2 1 '
1 ' 2 .$ 9RR= ? $/

$? 9 /

;KQM ! ' 0 &,0 $' 0' 4 ' L' B@ J, A' 'A- ' D-J' '+-'
? U@' ' @CG' ? ,' A -A' A'+B@' ,@C- -?@ ;*>A + -A'
' 6 @D' 8 +@C' B ! /(+-'
-C?'+B@'A ?@'-' 'A>?E@C'-' B@? ;' >E + A @'
-E+ A@D' C-?' @C.-+Z @ . ' ,@C@ G+BC AZ' ' C@D'
-,->C A.' ? ++@C' ,@C- ? > - AZ' ' .> ? ? G' A+C-Y
.@A->' >E + A @

[illegible]

! ,@C-D@C? ') V (=5 ./$0 K$
) ' i ' a
' N&&!(' %'
SKMX : '$@'< ' & ! ' (;KQ'0 ' .@? ? + -AZ ? -A.'
,@C-D@C? '%-C , Z -CD ' @ G'D @C@A+ JC-D> + ' O >/'

[illegible]

^SMJL'+C'?!$' ,$ 'C " (0 8@D'O(Z ,! &* $!- $('
E CDO @ C@DA@ '-'+B@' G@ ' -?J A@D' +B'&>AZ' ,- '
3 -+ -A' - '+B@' G@ Z +B'C@DA@ ' AD'DCGA@ ' -'@?a' ;QN=

[illegible]

/ ' # ' ? @D A@ ' D J+@D' +-'B CD@A' +B@' + >@

$/O% L 1 ' 8@D' P(,! & ,' 3 @D A@ > B' '>A +@

[illegible]

! ' ? & (" CD@A@D +-AG' A' +@S+>C@

[illegible]

M ' 1(

B@' B CD' ->+@C' - +' - '+B@' J- +@C -C' J C+' - '

[illegible]

/ ' ' ? @D A@' -C'B CD@A A.' +B@' ,@ B @+

! ,D C - + ' 8 U, <C8 + U($(' ^ ' !D O0# 63' i'

[illegible]

! , D C - + ' 8 U6bCJ +,)(' , -'M' 6C-+ I> '

) ;LNN(@? ' 8 +B' @,, J @' - ') ' ,$' +>A (' - '

[illegible]

! , @ C - + ,' 8 U, bCJ + U ,($ ^ '

; ' CD f! 0 # #' ;K<Q !K C '

! , C - + - D' 8 U,)0 + - D($, -' ,@C- '

+- D' ^ I' !- 0# 63' i' - / a' $@ @? E, A.' '

[illegible]

+! ,@ C - + ' 1 (^? -D a' @ . ;

[illegible]

8 ! ,@ C - + + ' 8 U,EC-+-C+ (' 6C$ (^? -D

' JC@ ' @@ ? 2a' A , ? ? + -A' '+B@' ,@C-+

[illegible]

' ! ,@ C - + + >' 8 U, DC*$'+) ?(' , *,@C-+ '

^? -D 8 -D@' ;Q<N(' C $'. B*1 'B CD a

[illegible]

/ ' '+>E@C-> ' E-DG' -C? A.' -A' +B@' ?G @, >?' - '

[illegible]

N&&!(A' ", &0&$(' G + , U@' .C- +B' @AY

,- A.' ' J-C+ -A' - '+B@' J, ?-D >? E' + 'D-C? A+

[illegible]

8 U Cb +Q+) ?(' '$ (, -' U '

^) C' HB*9Y' B CD' i' &* @ + -A AD' T 9% & '

>+@C' ' @@' " #

' ' ,@C-> ' @,@? @A+' A+@C @A A.' E@+ @@A' > Y

@ @' ? G-+- ? @

[illegible]

/ ' ' UA @' > @D' A' A A.' +B@' ,@C-+

[illegible]

2 8 U, CJ +M? (') (^ C'

4 V[B*1 'B CD' 8B@C@' C@JC' + ' D@C + @' . D'

[illegible]

8 U,,)) ($ ^ ' C % ,H W*39 'B CD'

i' -> a' 'C " (# ' A ? ,'+ >@' ' ' CD E-AG

E 'C$ AD>C +@D @ +@D' EG' ,@C-

[illegible]

! ,@ >+B@ ! @,@ @ -E ' ' . ! ' . 3 '

! ,@G -E ' ' ' ! ,@GC@ C' . ' 1

! -, AD@C -E ' ! ' ' .) ' ! , AU -E ' '

. ! 'U AD' ,@ +B@C' !D C- ! ,# "D, b'

-E ' ' ! 0# ,! .)

' ! ,-J # + ' ' D ^ '& ' - ' ?@D ' ,!&%E) - '

8 @@' A@S+(-C' J%CB A' A -CC@ + A. ' ' ' !J'

,&% $D]' f' ! #&

[illegible]

8 U,-J@ +(' ' D(^ D' ? D, '

,!&*) - (,!&) - (' ,!&*) ' @@' . 1 !

1 V T 'B AD A, @C A' - '+B@' @AD' # '+B@'

-AC+@@A+B' @A+>CG' " = ' ' ;K<;(

! ,> @ ! - A - ? -E ' -C? ' - '! 6 %0* '

! - - -E ' -CA' ' - ' !'

8 U 3 (2+V ' 0 2 $! , -' 3Z$&&P

$ - ' - ++@C' 8 B@' -C' -D @C' .C >,+>C ,'DC@ Y

A.(' "@A @' ! - # + D A.' 1! 10

[illegible]

! - - ,8@ ! - ,@ -E ' ' . 'D '

! - C8@ ! - @ ! - + ' @@' ! !

!%# ' 0

+! - E) 8 UJE(' 1 , -P -E@2P M U-;VE@

[illegible]

E ' ' , &&!8 @@I>-+ ' ;KMO' AD' ;K<;(' '

[illegible]

! ') 8C +JE(' $ ' ' 8!@@' I>-+ (

[illegible]

+' ! - EE@C,-+-B@C' 1 (^% ' 11 . !V

A' D,@C' 8! -' @SJ, A@D' A' -A+@S+ (

$ 1 ' ' B ' ' 8S!J!('OM / C' 9@++,@ B@A' B@

[illegible]

! ! 2 8) J'E (' A-C+B ->A+CG' A ?)' -C'

+B@' B A B !!$' , , ! 1 0

[illegible]

! >/ 1(1 (^ ' ' ,&13 - (,&1 0c]' ! D> +

[illegible]

+! % N E % 'V' (& ' - .)

[illegible]

! ') 9! ./ $? & ! 0[B(,& 3 '

1 / ' H * " .' O ' 1 ' '

$

[illegible]

! ' 8 U E- A(' ?&0 ^? -D > @ - '

[illegible]

/ / 2 / $' ' '

/ 3 ' ' ' $!(

? ' 8 U D. (' ,(, -' K < - . @

/ ? / / / 2$

^# ' -E >C@' -C . A a' T' ' E -G' -C' . C,' B- ' ,@ A'

E - - + -C' D-@ ' +B@' D C+G' -CU' - ' +B@' U + B@A' * '

D ? D .@ " 8 / / (' , - ' $ 10

[illegible]

8 U) (10 ' 5 - C? '] ') / 8 ' . /

] M / M ,0 1 / / M _ / / _

) . / ,0 / M ' $ ^3 ' ,&%(.&%(- '

! ' $

[illegible]

' T% -A+@ ? J+>-> C D >,@ ' @SJC@ -A- -CA'

-A+> ? @, -> ' , A.> .@' , ' . ? - U@CG' &BC @

& ' - $. ' ,&%0 - ' $ ' -C' 1 (

[illegible]

! $ ' 3 ' * @ +' S' (2$

[illegible]

H $ $' %(' 5 $ 1 0

[illegible]

; $ ' ' !5 ' ' D ' '

$

[illegible]

K-JB)' AD' -CD D' AD-,@A @' K P' = B. 'X 0' !&''
5'QQ' B@' JC A J,@ ' - ', E@C+G' @C@' +B@' - ' - '@ @CG'.C A '
A A.' ->C+ @C ' ;KPP' 0' ' 0 S ' " ' MOL' 0>+' +B@'
C@ +' - 'B ' C ? G' ' +B@' - ' - ' ,,' >C-J@

! - '8 U) 2'P) 0 (' % ,$ '0' ^% J@&> 2' C@JC'
/>' , &B 'I> C+@C' - ' 'D G2'B@A @'@ B' - '+B@' ->C'
?@ , ' - ' +B@' D G a' 5--D' , -' ' ?@ ,2' 8% '
!% 5&'

;KQ)' . ' *' ?& !$' 'C- ' 9 C .@+' .@ '
CG A.'B - ?' 0' &X [% E@ D@ '+B@ C --D2'-C'T - ' ' AD A'
-C' ?@ , @' ,->C' ') ' ' B ..' / ' ' ('D'
' - 0 S' 8;K<P(' ;LO' B@G' @C@' +C AD@D' +B->+' AG' U- C'
;K<<' - . ' $ - * ' 'j2 ' $ - * ' ' 2'8;<NN(' OP;' ! - '
, G ' ? -C@' J,@A+G'+B A' ? -A@G2' X ' ! ' & 3'
$' 'ML' ,B@' E-A@ ',@ +' - @C' C- ?' +B@' 0- ' U-
'8 U) (2 ' , -'=' - 2'M Q' - @2' U- @
^ ' 66

' ' 0' -' J@ U' D@C @,G2' ? - U2'*@@C' %-A +
+'& "'+')*&' ' '2 0' %B @ ,G' ? J,G A.'
>A -C+BG' D@C -A2' ' - ' - ? @+B A.' D@ @C A.' C@Y
@C@A @' -C' -A D@C + -A

$' ;LKN' 0' $ '$' OPP' A' " -C +? ' ! ' !(' (' 8;KQK(' <Q'
",+A@-D@(QA-++- _@ -C+@ - ' ;PLN . 7 >+%5$!' ' - , @2'
' E->CD@' -C'*@ +' +B' -A@2)V' - '1&) 0' ' - @' +B' BG ? 2'
B ' - '1&) '$' !) "0' 1 0(' ' - @2' '*@ +' >J-A' -A@2'B '
B& ', . 'O ' B '!$ 0' " +' +B->' A >.B+' @, '+-' D-' E>+' -A@'
>J-A' ?@' ;PMN' # 8 .' *!"' &' &! ' 7 U '8;MN<(' LQ' B@'
%->A @,,' - '& C ' ' - +' +2' AD' @ +@D' ->+' - ' ,,' J C+ '
;PQN' 3 ' $' *0' ;PM L<' -' & (,& - - $ (' \h/'
: L' (' %0' ' 8;PKM(' ;ML' A' +B 'D J>+ + -A' ? A @'
-+B@C' +B A.@ ' @C@' ? @C ,G' U- +' ->@C' ;P<N' 1 ' 0' A0
? ' 'O[' A@C@ +' / A '. A' +-' ? ,@2' A' -CA@' # 'B@C' A@'
J, A+2' AD' +-' B@C' - A.' GD' 4P<[' ' ' '0' ('
/ 6' =P' ?) (' ^+-' : - A' - ' C a' ! - @' -A' ,@' 5 @AD2'
AD' B ?@,@ @' >C+ X A ' M X' . ' $' !0' C %0' 6' O'
AD' G@+' -C' ' -C+BG' A' +@' '@>@C' B@' ^/ Da' D D '
B@' ' -CA@D' AD' - @D' +' EG' B ' - A@' @2' $'$ I J'
) ' - . .)!' @+ ' ' $! 1 ! "' <=' B@C@' ' 'D Y
>,+G' B B' ? G' @S@C @' G->' A +@ D' - ' - A.' - 'B '
-CD B J' A' +B@' ,- @' - '+B@' %B J+@C' ;MLP' 9 . ' ' ! '
'8 MMS(' =' ' A'@ @' +B A.'+-' - ' +' AG' C+' -C' $@ C@ Y
+ -A ' ' , ++,@' +' ?B@+' +B' ,,' A +>C@2' -A D@A @2' AD'
? , @2' ,,' D-' +)' ;MMQ' = . ' C0' 0' 3 ' 93#A' ' +B@G'
? -A.' +B@ ? @, @' A' J,@ A+' @ A@' !+--D' - A.' ;Q)'
' ! ' - ' ;K' 5 L' ? -A.' +B@' A> ? E@C' B- ?' G->'
A @' + >.B+' +-' - ' +' +B@' C@+ C@ ? @A+' - '/ C>..@+2' +B@C@' '
-A@' B-' - @C 'B ' J-,-.G' ;QQN' < .) ' L 0' !!0' ;KN'
AD' --, ' B-' ? @' +-' - 2'C@? A'D' +-' JC G' XK ' .R
. ' &' (T' $!"(' $!"(',&' ' &)'T 2' 7 +B' +B@'*-G-> '
AD' +B@' C@@' B->' ,+' - ' +' J A ' SK ' ' $ 0'
< $ ' 'PK' AD' EG' AD' EG' +B@' J@-J,@' 0@. A' +-' - ' AD'
*@@C' AD' E EE,@' - 'B ?' ' - ' ' JC A @' B- @' ? AB--D' '
,,' .-A@' SKKM' ' .. ' $ 2 ''S, 'ON;' " C @G'' .C AD'
D - @CG2' ' - @D' +' -C' A@ C,G' ' B-,@' .@A@C + -A
/ ' $' 0' -' - ' +2' D@C D@2' C D >,@' CC@ @C@A+,G '
' 1 (' @S ' E(' (

PQ<' . ').) '8 CE (' ;QN' !> B' .C- @' I>@ + -A ' C@'
+-' E@' >A @C@D' +B' ,@AD@C' C@ -A 2' AD' > B' D,@' B@ D '
B->,D' E@' - @D' +B' D,@' >A @C@ ' ,' ;P<L' = . 8 '
$ $, 'C$ '8 ';MNN(' 0' 7 ' +' A-+' +B->' +B +' - +@ '
^ a' +B@' #C. A-A2' AD' D' +' ' 'B@ J@' - ' A + @ '
$ I J' ' , 0' (' A '6 ' ;ML ' S) '0 ' '
$ ' ' '%' O2' ! - +' +B->' ?@' ? -AD' +B' -A+ A> ,`'
+ >A+ ' ;MO=' C B . ' &1' ! $' 'S 'L<2' ' ->,D' A-+'
- @' G- 6*A-C' +B' + >A+ '+-C ? @A+' G@2' ;M=L' 11' & - - ('
< '0' SSS 'O=' B ' ?@' --, B' ++ A@ ' ,@S AD@C' ++ ,G'
- @D2' B@A' B@' . @' ^@+ a' $%>%' < . 3 .. ' $ &'$1! '
%! , 0' LP' -' ! - '$@, . -A' 'C D >,-> ,G' JC->D' AD' ?Y
? -D@ +' 4QLL' 8 6 ' *&!0' ;=K' -' @@' +B" ? J-C+ A+' 3 A'
- ' / C@ ' ! - A.' ? G' %-,,@.@' >U CDA@ ' 4Q<P' B '
"&$''& 50' L;<' " @ - 'D' +B@ C' @ G' @ C ' ;K<;' = '
')7 ' $ ' &'' ? 1! ' !$ ' "' =K' 85>AU(' B@' ? @A'
B-' C@' A C@ A.' +E@' >?' - '+B@' -C,D' ' UA- ,@D.@' C@'
+>DG A.2' A-+' - A.' +B@' 0 E,@' S! - '< B ' Q
' '8;K<L(' O;N' #B2' A- ' 'B @' - @D' +B@ ?' A' ? G' B@ C+
i' E ' &' ,&%%&) ' [+-' D ? ' -C' J>+' D@' - '
A.,G ' 1 (' $ (

$/&0' ' %!. ' - (' 0' 2 0' '8 CE (' ONN' B@G'
+B +' E@' ,,@D' +-' >A @C@' G,,' A-+' >A @C@' D C@ +,G@2' E>+'
U- @' +B@' ? ++@C' ->+' 4PP4' ' ' (' <$ ' ' '
S-' AD' -' - @' ->+' E-+B' +B@ @' BG.B' ? G +@C @ ' - '%EC +@ '
'8 U) (2' !$ ' ' AD' $!0' , -' -C 2'
U- ' ^ JJ ' -C . ' ' C A+' - ' 66' ' + U@A'
A+-' , A.' C- ?' D ,@ + ,' > @ ' , ++@C,G' - +@D'
+B' +B@' ! ->+B' C A' 66' 1
2' $' 0' -' @ +' -C -> ,G2' D@ ->C ' , -' '('
+-' @ +

4KM=' & ! ' !$ ' ' 0(' ,& %(' +-' @ +' -C -> ,G2' ;KQM'
1"' <!& 0(' .&%%(' +-' @ +' +B' >D E,@' -C +G2' ;KKL'
. ' B .. ' $!& >' $' 0(' ,&%% ' (' @ + A. ' -' ,&%%'
' +B A.' ' +-' @ +' + ' ;KKM' ' " ' 7' 0' ! ' '
$!(' 98' B@G' X@+' D- A' AD' - @D' @ @CG' E +' - ' .C>E' +B@C@'
' -A' +B@' + E,@ ' S)W' ' ' $'' ' $) ' ''
? &$ ' ;OO' 'E>A B' - '.C@G', . .@@ @' ' -C' - A"8@ + A.('
+B@' G->A.' B@ +' A' ' @,D' >J' B AD@C ' ;<N;' 7 ' ! ' 9 . '
'' '?!&& ' 2' B- @' E CD 'U ,,' A U@ 'D-' +B@G' '$ +B@C '
B@)' .-@ 'D- A' +B@? @, @ ' AD' - '+B@?2'
E ' ' 0' -' @ +' -C' @@D ' +-'B @' -A@' ' --D' 2 (
^% ' / >2' & ''+-'+ U@' -A@' ' ?@ , a
;K<<' 8 ' & $ ' $$!'S ' ;<; ' G2' B@C@' - ? @'
+B- @' +BC@@2' + ,,' U- A.' 4<NN' ! ' ' & $ ' 'SK'
C6' ' U- ' +B' B ,,@' +B ' ? -A+B
/ ' $ ' 0' -' @ X@2' J,>AD@C

4K<L' : 1B 7' $'"' ' ' 0(' ") &'' ' - * (' C@'
@' ' @+' - 'B CG'J C +@ '+-' - '+B@' +-C@C--?' - ' 'J A+@D'
@ A+ A@' E> ? E- +' ' 1 ((' B@C@' '@A->.B' ^. -,D ,) A' -C'
+ -' C + C +@ 2' AD' @' - @D' +B@' E@ +' B , ' - ' +' SK)'
' ' $* ('V ! 'S 'OK<' ! - ? @' - '+B- @' ,-> G' &-C+>.>@ @'
B @' E@@A' -A' E- CD' AD' - @D' ,,' +B@' ? -A@G ' ;<NL' 0 '
= 6 ' ! ' ' $' [OO' 7 BG' +B@' 9 C 'D'B @' U- @D'
+B@' B-,@' J A',-A.') -C@' AD' + C+@D' ->+' +-' C U@' A' ? -C@
+ ' 9 $ 1 0' $ 3V' ^ ' ! - -GCXb2 'i' " 7 V'
B@' + -A' -C' +' - ' - A.
V L<' 7 0 ' C ' $ B % ')' S S2' 8 2 (' LLL' B@ @

.C @,@ @' G->A.' ? @A' +B AU' +B@' +BC@ + 'E>+' -CD ' - ' J-C+2'
->A+@C @ +' -CD ' B B' B @' A-' +C>+B' A-C' >E + A @' A'
+B@ ? 2' E>+' @C@' @CG' ? - U@CG' AD' - .@
'8 U) (' , -' M' -! S ' ^ ' 66'
7 ;' i ' 0 a

%$' #A@' B-' - ' %-A +2' $ 7' , -' 8A- ' $!"+'
&%0' # +@A' % ,0(' -A@' B-' - ' +' C@, . -A' -C'
? -C , +G

;=QN !P' = . ' ') 'S 'S, '=KK' " @' ' ' .--D' UAG)+'
E>+' B@' ' ' - @C' AD' ', J@C ' S.)' - . 7 ' ,&!$)
' ' !' *2' B@' -CD@C' -C' @,- BGJ' - ' - @C 2' -C' - ? ? -A'
.@ +@C ' $'$/% ' ' , &! - 0' '8 CE (' LL' A' G->.+B@'
)WN' +B@G' E@' C@ D @' - @C ' L% ' ' 9 ' (' 0' '
G ' M ' %CG' +B@' ? A' ? @C G2' ,->@' B ? 2' + U@' B ' - @C2' 5->,@'
' ? - +' ->,@2' E@ A.' ->,@' +-' E@' ' - @C ' SMSS' . '
$' !(' C %(' 5' ;M' 7 @' ? .B+' , -' E@' B C.@D' 8EG' - @C ('
+B' - ? @' A@ I> ,,' D@ , A.'+- CD ' ' .C@ +' A> ? E@C' - ' .--D'
A., B' -CD@ ' 4MLN' 0' "& ' & ' H ' (' W' & - - 2 0' +.-'
+' !' , -' A +>C ,,' +-' +B@' 5C@A B2' +-' E@' ' .C@ +' - @C '
-C' ? @A' - ' , .B+' AD' >A +@ DG' EC B@ 2' B @' - ? ? -A,G'
>DD@A' AD' B CJ@' -A @ + ' 4M<4' 9)' +B ' 5&'0' '
;<P' " @' ,- @D' +B' +B@' &C@ EG+@C A 2' A-+ +B + AD A.'
B@' B D' E@ -C@ 2'E@@A' ' - @C' - '+B@ ? ') ' ;QMK' '
- (' 8;QQN(' ON<' B@G'B @ 'E@ - ? @' $>,@C ' AD' ! - @C '
+' +' ^%BC + A +Ga ' ;Q<N' ' 9 B ' - 0' ' SSS '
LOQ' B@' ? J -> ' - @C' - 'B ' 3 U@C2' - ' JC- AD@A @2' d '
C@, . -A' AD' - ' ' >+>C@' -C,D ' SKS=' 7#$/!7 ' 5,) (' ;;'
=K=' B 'D>,,' JC-D> +' - ' ' - @C' 'J@A ' ;KP ' '
'' - (' ! 0' '8;KML(' QM' B@',-A.' "A@' - ' - @C ' C- ?'
> A D- A' +-' -,+ C@' ;KPL' ' . ' (' , ('
'e' P' 8;KQL(' PO' 7 B +' ->,D' A S ? AD@C' -C' +B@' - @C' - '
A S .-C 'B @' D2' ->,D' B@' B @' UA- A' B +' @' A- '
UA- ' SK)' = B. ' 0' ' (' S ' ==P' -' J>+'
AG' -+B@C' A+@CJC@+ + -A' -A' B ' -CD ' ->,D' E@' +-' . @' A'
- -A' - '+C >? JB' +-' - @C ' ;KM<' 5 ' & - (' &' ('
" 'S 'N&' B@' >E*@ +' - ' --, B' AD' EC>+ ,' *@ + ' ? -A.'
+B@' JC- , . +@' - @C ' - 'B '%->C+
i' O ' '5 / ! $ 1 (

Z- . 7 'h9N ;' ! - @C' & ' $) 0' ;P=N'] '
,&!$) ' ' ' " *E2' U@' ? @' B CD@,G' A' ,,' +B@' B +' +-'
E@' E->AD@' JC@A+G @' +-' +BG' @,- BGJ' -C' C +@ ' ? @A' - '
- C ' ;P)' 9 . 9 'MP O W - @C2' ;MLL
'Q!' - , . (' ' - @C2' '+@ +@C
' =G 2' 1 (' $ (' K$ ' H* 9!'
+@C' -&, . "H' ' ' ? - U@CG2' C D >,-> ' JC-Y
@@D A.' E ' 3 - U@CG2' *@@C A.2' D@C -A
SWQQ' ' ' ' !$ ' ' ' , ' ;NK' E ' 9 A.' " @ACG@ '
+B->.B+' +' ' ? @C@' - @CG' +-' J>C >@' AG' ,,- ' / @ C@' +B'
B->AD ' -C' .C@GB->AD ' 4!K<' =' ' 0' C& ' ;'
9SS '8 CE (' QN' !U@,+-A' ' B CJ@' ! + C +2' E>+' +B' ? -C@'
C G, A.' AD' - @CG' +B@A' E@ ? @' ' &-@+' C@ + ' ;KLM'
$ >' $ 0' 4 2' PNQ' 7 +B ' - , A.' - @CG' - ' ,,'
+B@')JC A J,@ ' B B' +B- @' B-' . +B@C@D' +-.@+B@C' +B@'
+ -A ,' @ ? E,G' B D' -A+@ ? J, +@D
i' 9 /$0' 1 (' $ g3H' A' Q' ! $' K$
' 10 'a' $L' $@ @ ? E, A.2' ' ' ' '
/ ' $ ' ' = ' '$(
L% [J' $ ' .. ')$ 0' ' (' 8;MPP(' KM 1 ->' ? > +' ? U@'
?@' ' -C.@C' - ' ? @@+' C@JC- B >,2' AD' -V < ' ,>?A @ '
O%/&' ') ' : ' &' ' - $ 0' 'W'S ' ;;K2' ' ?> +' A'
+B@' ?@' ! -JB U' , '1) ' '' . (' ;MK=' ! -J+ Ua' B> ? ->C2'
E@' +G,@D' ' ,@ CA@D' ? A
'8 U) , F(2' 1!(' 1(' ^ ' ' ' i'
- $L' G ' ' ' ' ' $

c<_' . 'C 0'C '0 '4 'OQQ' # ' - ? GA.' AD' - ' - GA.'
AD' - ' A U , >,' E@CGA.@' SP)' = ' 'C%! ,(' &)!" ' 7 U '
LLO ;' " @', +B' . GA +' +'A-+B A.'E>+' U- A. ' %b<R' B 7 '
OMK ;' ! - GA.@ ' -C' H5" 0 ` (% $"' 0' 4QLL! 7 5 ' * $* '
" ' ' ? &$ ' O' &C G2' @A+,@ -,U 2' -CE@ C' G->C' ! - A. '
$ A+' ' $ (' $!0' ' '=OP' 3 @A' B- @' @' ' +-' + C+'
+' @' ' - A. ' % <' $ ' 7 ' L ' $ '&' 'S ' ;KK' " @'
E ++@C'*@ + ' AD' ,+BG' - A.' ? D@
E ' & - 10' - A. + - - U'^ ' B 7" V!'
A' -E*@ +' - ' - A.

?/>O' < .) 7' $! ''&''C 0' S S ' ;L' "@%' ' ' - A. '
+- U' +-' G ' @CG' JC A @ ' R (' 7 3 'C&% ' ! 5(' '
8;K) (' <M' B@' -+B@C' % CD A , ' D-' E>+' ? U@' B ?' +B@ C'
- ? A. +- U' +-' , >.B' + ' ;KQN' 5 '# L' , 0' ,!)
' KM' B6' ? @' - ? A. +- U' - +B@' B--, D J, G@D' +B@'
@A@C.@+ ' -C . A , +G' - '.@A >
') ? ./% * !0' $0' K$ ' 1'* ' ; .
G ' D / 3 $

;)LK' .3 ' , 0 ' ,) ! (' A' C G,GA.@' -C' - GA.'
-A ' $/&+' . 7 ' ,&!$) ' A ' ' " *')!' /)) ->C ' -C'
U- GA.' @,,- @ ') I ') ' ,$ $' '8! - ? ? @C('
;K=' E2' AD' -' A' +B ' -,6@' - A.'EC >@C @' B@' @A+' ->@C'
' ,,2' G A.'^@+ a' [!<O' < 'E * &) ?' L2' 8F>@ Y
+ -A A.' +B' -A@' +B +' ;' ? @+' BG' +B@ @' - ? @A' @C@' -' B-,@ '
C U@2' B@2', U@' ' U- A.' @,,- 2' J- A+@D' +-' 'E> B' - 'A@++,@ '
XMX-' ' ..)' $ - '>' ? (' 'PL=' @,@2' ' - A.' &-@+'
A' +B- @' D ,@ 2 ' C-+' +B> ' - '+B@ ? 2' $' ;ML<' 0 ' :' ' ,& 0('
! $) '8;M=N(' <;' AD@@D2' A-+B A.' ' - ' ? -C@' C@D +2' -C'
C@ I>@ +' A- 2' +B@A' 'J@+>, A+' J J@C2' -C' - A.' @C @ ' 4MKL'
!- 3 0' \') ' +C ' ? & ! $ 2 ' 'C& (' ,, 'QQ;' ' ! - C +@ '
B ? @, 'A' +B +',-- @' .@2' 7 ' ? D@' +B@' J + ? @' - ' ' - A.'
+ .@2' $' ;KPN' = B. ' 0' ' ('S4 ' 'QN' B@' J@-J,@'
- '%B@' J + ,'B D' E@@A' AA-G@D' EG' +B@' - A.' G' A' B B'
-C@ .A@C ' J-U@' - '+B@' JC A J ,'C@ D@A @' - '->C' - @C@ .A
2' 8 U) I, (2' & 0' K$ **!0' $0'
i' 1'O :' A' ' - A.' ? AA@C

O J ' .3 ' 0(' &', (' ? - UG B,G2' - GA.,G ' ;PMN'
B '+C' E $' ' & - - 0' LOE2' -' +B ' D@ C@@' - '+B@GC '
>A @C@+B' &B , J' 3 @, A +B-A2' AD' +@C' +B +' >+B@C'
B ?' @, @2' E>+' U- GA.,G ' X) 'C 0' ! 2 & . ' =' " @' B D'
C +B@C' B@ C' A' #C. A 'B A' A. A.' - '& , ? @ 2' B B' - '
A.,G' B@' ,,@D' " -JU A 'B '* ..@ ' 4QLW' C&* > ' " 0' A '
-+@ ' +' ;MQ' 7 B +' +B@' !> +-C 'B D' J-U@A' - A.,G' A' +E@'
JC@ @D A.' E--U2 JJ@ C ' A' +B 'A-+' +-' E@') C + E,@ '
c R ' ' # ' &* &,! > ! , $' 8@D 'O(' ;LM X>,LC+ @ ? A@ '
+C ' G ' - A.,G 'A- 'EG' "' ->C +@' .-DD@ ''
+ ' $' 1 0' $ Y> 0' ' $' ,&%% &'' 8 / >'
0@,, G2' M+B' (2' ,&%% &'' 8 3 -, ? C@(2' ' !J ' ,&B &''
-C' + ' ,)%% &' ' A. ? @A+ + @' - '!J ' ,&% $(H [(' ,) %% $(

GA-AG ? -> ' AD' -.A ' ' !J ' , % $0' + '
@@' 6' C a' 'U AD' - 'B@ D DC@
;MN=' ' <F = D' > ,& ' 0' ' ' 'S 'L=<'
@, ' ' $ - ? A@' V ? @' E@ +- @D' JJ-A' ' - -A' ^-C . '
&,$ &]' AD' '. C ? @A+' @ ? EC- D@C@D' +B' J@ C,@' AD' @ ? @C ,D'
=NNNN 'D> +

+! # E A $ ' 1 0' $ U V ^ ' / > ' , '
E, U.> CD a' ' +@C ?' - ' -A+@ ? J+' -C' ' J@C -A
$/$&' . ' 0' ' E*!&' " . - 0' 8&@C G' ! - (' M' B '
-C G' - +GA.@' D@D C@+B' -J@A,G') GA +@' C>C ,`' ? @A2' C@Y
E>U@' AD' A*>CG
! - . 2' C A+' - ') ' ' ' AD' $!(
+ ' ! # '.) ,2' .(' 1 0' , -' 0 - . . @ , ' ^# '
-E >C@' -A. A ' ' +' ' ' I> J@C -A ,' A ? @2'
+' ? G' B @' E@@A' A' JJ, + -A' - ' 7*
%-A>A-A,G' ,,@.@D' +-' E@' C- ?' 'D ,@ +' @CE' ,& (' +-' D,@2'
,- +@C ' E>+' A-' > B' @A @' - '+B@' @CE' 'UA- A' +-' @S +'
/ @ .>6@C 2' +B@'),@' >+B-C +G' -C' +B@' T " > ? JBC@G' &-++@C '
+-CG2' D-@ 'A-+' G' +B +' +B@' E-G' A @A+@D'T ! - . . A' '+-' @'
B ? @, ', E->C ' B@' ? @C@,G' >E + +>+@D' -A@' >+- ? + ' -AY
+C A @' -C' A-+B@C' ,@ ' @ @A+ ' 0>+' +B@' +C>+B' - ' +B@'
B-,@' +-CG' B W' E@@A' I>@ + -A@D ' @@' +E@' C+ ' 2 ,& - ''
A' (' $ 0' ? & 0]

A' >+- ? + ' -A+C A @' -C' -J@A A.' , @ ' A'
@ - ? @A ' +@ ? '@A. A@' ';2;L ' 8!@@' I++-+ '42!$3
;QS<' C!$ ' * (' ,&%' ' ' ' ' 0' $ (' ? & 0'
C+ ' @ @D ? @A(2' ! - . . @A' AD' B ' ? +@' +B +' D-' ? -C@' -CU'
+B A' +B@' E-G' ^ ') 'E>-Ga ' 4Q==' 7 B . ' 5* (' C !& 0
' PLL' B@G' > @D' E@ -C@' +-' -CU' +B' ' 0>-G' A' +B@' %G, AY
D@C 2' B B' 0>-G' C- @' B@A' +B@' !+@ ? ' ' +C-A.2' AD'
-J@A'D' +B@' A*@ + -A2 +B@C@EG' +B@G' @C@' J E,@' - ' -A,G'
. A.' S2' @ .B+2' -C' +@A' !+C-U@ ' A' ' 3 A>+@2' '+ ,,' ' E-G2'
" > ? JBCG' &-++@C2' B-' ++@AD@D' +B@' A. A@2' DD@D' 8 B +'
B@' ,,'D' ! - . . A(' '% + B' +B +' +B@' E@ ? '0 ' , G ' -J@A'D '
AD' +B@A' +' 7 ->,D' . -' ;P' -C' ;M' !+C-U@ ' A' ' 3 A>+@
! - + . @ '8 U) .D*(' '& (' 0' , -' U- . . @C2'
> . . @C ' ^% ' ,& ' 1 [' L a' ' - - ! @ '
+- U A.2' -C' 'UA ++@D' C+ ,@' - ' ? , C' -C ? 2' -CA'
@ +B@C' ' . +@C' -C' ' ,@@ @' +-' JC-+@ +' +B@' C ? '
, -' +B@' - - +' - ' ' +- U A.' -CA' - @C' +E@' E--+' +-'
JC@ @A+' , JJ A.' -A' @
SMS ' ' ' 7 ' $**$ &' ;LN' 5>+@ C@' ' 2' -C'
0 ,,@' B--A' B) ' / @ A@2 -C' B- @ ,@. '8 @,@' ' 7 +@(' E>+'
U-..@C!' >D2' B +' B C ,G' B J'+' J--C@' 0 ,,@ ',@. ' C ' >D '
;KON' B ' ! "' 'P;' '& (' ! - ' +B@' -CD' ^ A> @C a 2'
? G' J- E,G' E@' ' ? JC A+' -C' - . . @C 2' ' > B' ,@@ @ ' C@'
,,@D' A' - ? @' J C+ ' - ' A., AD ' ;K)' ' 0' 0'
<!& (' 8@D' O(2' .& 0' +B@' ,@.' - ' A' -,D' +- U A. ' > @D' EG'
->A+CG ? @A' +-' U@@J' +B@' A- ' ->+' - ' +B@ C' B-@ ' ;KKQ' / '
& V ') *!(' &' "$ - & (' ! - . . @C 2' ! > . . @C ' ;K<<'
) - 1 ! (' <!& 0(' ,& (
+! # . . @ G ' 1 0' $ (' 3**0' %& 'T ,& ' %" M
@@' A@S+' AD' 0> - -A@CG2' >CC , +G
$%++' 9 ' 9 ' ,$,& &''8;MNO(' <P' ,, A @2' - . . @C+@2'
AD' J-J>, C + @ ' 1 0' OMM' 1 ->' ? .B+' B >@' ,@ +' > B' @+) '
.@C @' ' & C -A 'B +B' @+' ->+' A' C@@A@ - +@2' +-' C,@+-A2'
B@2' -C' @, @' +-' - ? @' &>C + A@' 3 C+ A' 3 C JC@, +@
+ ' 1 (' B@' A ? @' - ' : -BA' ,& '
8-C' ! - . A(2' ->C+' - - ,' +-' D ' 2' > @D' ,,> @,G'
-C ' ' - C @' *@ +@C2' E> - -A
B@' ,,> -A' 6' +-' ' +) ++ -> ' - ? J , + -A' @A+ +,@D' !@)) A' '
:@ + 2' , @A @D' -C' JC A+ A. ' A' ;PMM ' +B@' ;Q+B' ' @D + -A '
++C E>+@' +B@' -CU' +-' ADC@ ' 0--CD@
!B U J@C@' 8 ' " @A ' 2' ;;; ' (' -A > @D' +B@' *@ +@C' +B'
%B > @C' ' C @AD' " @ACG' ! - . A
' ' < ' ' 3 ' 'C &* ' 0' 8;PKN(' PP' ! - ? @' -CD@ '
@' B >@' AD@@D@2' ' -C' @S ? J,@2' 0$" (' E-+B' * &' $, (' AD'
* &' (' -C' ! @ G' A-+' (' E>+' J, +A@' ' -C' B ? '
+-2' 8-C' @, @' ! - . . A ' @C' @C@' 'J--C@' ,@ +(' B B@' C@'
- ? ? -A,G2' AD' +A G@' AD @C@A+,G' E@' @D' @G+B@C' 7 G@ '
;P<L'] ' C , > ') * (' $ 3 , @' ' A@>@C' > B' A'
BGJ- C +@2' 'A# ' AD' +B@' -C,D' A@>@C' > B' ' ! - . . A ') '
A- ' [P) ' <) ' 1$!' . 'S, ' OPK' ^!+ AU A.' #C Ba'
' - ' ' ? - +' ,- B!D ? @' >->C 2' J-A' B B' J, A+' ' AG'
B->,D' B A- @' +-'C@ +' AD' ,) J@2' B@' ? .B+' @CG' @,,' C@J-C+'
' +B +' B@' B D' C@J- @D' B ? @, @' ? -A. +' +B@' E @ @- ' ! - .Y
. A ' B@ C@ ' %" B' ' Y 8 V' +C ' ' ' > ' & ! '& %'
&' ' OPL' &, G A.' +B@' ! - . . A ' +B' +B@' ! C J+>C@ ' '
- ? ? -A' +B A.' +' +B ' D G' @>@A' ? -A.' +B@' +G ' S) '
' ' '$%(') (' ' ' OM' " > A.' D ->C @D' ' , ++,@' 7 +B'
+B ' ! - . . A' -A @CA A.' +B@' @CC AD' B@' ? @' -C' ' ;KPL' 5c'
) 'C " & '(' @+ 'MQ' " @' +B +' B +B' > B' ' +B A.2' D@Y
@C @ ' +-' E@' ' ! - . . A2' A' ,@ J @..@2' -C' B@' UA- ' 6' +E@'
C U ' - 'UA @CG
& - 10' $%+>' T' Y 8 V' +C ' ' ' > ' & ! '& %' &' '
OK;' $ D >,-> ' AD' ! - . . A , U@' J@@ B@
" @A @' ! - - '.C. A >' 8 , -' Q' ! - - . A ? (2' >CY
C ,-> ' *@ + A. ' !@ -' . . A +2' ' >CC ,-> ' *@ +@C '
! - . . >,G' $(' 8 >' Q' ! - . >,G (2' >CC ,->
' ' < ' ' 3 'C , > ')* 0' ;Q' B@' % @C-A A' ? G'
,@@J@2' + ,' +B@' ! - . . A +' B +B' J, >D' B ' J C+' #A@' >C@'
%-AAG + B@C ' --C+B'+ @A+G' &B ,- -JB@C ' 1 (' ;=<' B@G'
' ? G' J@C> @' A ' .>@) @ ' +B' AD @C@A G ' AD' AAD@ '
A-' B-A@ +G2' E>+' J>C@' ! - . . A ? @ ' A-' $@, . -A2' E>+' JC@ @'
3 C,- ? @' 4#O<' 1 ' ' .. ' &'(' $ (' ! "' ' '=M'
0>+' B +' DJ@' '+C->E,@' ? G' $@ D@C' +B'+B 'D,@' ! - . A ? @ '
! -,D ' -C' ,@ +@C+' C@' -A@,G' +' -C' +B ' - ? E +' 1 0' A' '
O) ' 7 B@C@' ' +B@' B ? @' - '+B '$ - ? A@' &C @ +2' B ,@ 'B@' -'
? A @ +,G' E@, @ ' ->C' B-,G2' C@>@C@AD2' -C+BG' 3 +@C' 5-S@2'
B- ?' +E)' ! - . A,G' &@A' D C@' G' J, G@ ' +B@' -- @' A' +B@'
A -A + AD@' - '+ ' $@, + -A' - ' +B ' B-,
+! # B ' (' $ 0' , -' U- @2' U> 7 D2'
K -@ ' ^ ' # ' . 3 (' ' - - D
' ') & ' (' ;PKOM' 85 C (' 0 E' Z C' B ;' \' %#.B'
' -- -' ! 5$ ' '#A \' AD' ? AG' -J D' A+-' V@W - 3@'
+B->+' +B' ? C@ ' 1 (' PSPQ' !@E-' . @' U C ? AD' UC U '
+' ,,' E@' U- 'C A.@ ')O=ON' ') '& . 0' \# 8 C@(('
6@' DGCUL ? ' +B@' D@C@2' A' +B@' DG ? ' - .B@ ' 4 0 (' D+> @ a2'
5 -C' DC@D@' - ' +B=' D@+E@' DC->J> ' +B@' D-@ ' 1 (I ' B@'
ECGDD> ' A' +B@' E-) ' B +' - '+B@' . - +' . -> ' E G' CGU@A' A'
+E@' -@ ' (' 0' U- @)
0 - ,@2' - ,,2' -E ' 6 ' ' ' - ' . ' 1

RRL Rc) =E & .$, T K?
-> + -/ / #5 ,&' &'
6 @D$ 1T ,&' &' / < :
, -&' $% T
;K=) 9 . . , T &- ',!T T PQ B@ OV, +C@
D@ @ -A -A - $->E- -CC@ J-AD @S +,G A J- + -A +-
+B@ ?@D @ , -A -A B +8-C C@ C B +(E- @D@ C E@D
1 ,& T ' &2 $, " T OK A 7 AD-
B B C@ J, @D A ,, - -A D@C E,@ +B UA@ 2-C B@C@
+B@ C @CG , @ A@ C +B@ ->+@C >C @2 +B@C@ C@I>@A+,G
- >C A C B B B A-+ +- E@ -A ->AD@D +B +B@ 7 AY
D- C B B@ -E*@ + - +B C B2 +- B B &C- @ -C
7 ,, +B@ C + + - ,, ++@A+ -A2 AD B B B@B A ?@D
+B@ ! -A -A C B2 m?@ C +- B @)E@@A + - -,D SKWS
B &' T , (;MM B@ -A -A C B +C@ - ,@D
;KKQ , 0 C)1 &,T , 0 ,& ' &' $, TTTC & &5
$ $, 0 B@ A+@C -C @D.@ - AD- D@
! - C2 ! - - +2 ! - -U J / 9
) ? .$ 0 0 K ! $L G
1 / C " &!$,,$,$' $0
;Q<= = < & 0 ;=P C. + -C !U-U@ ;KPM
< $'(?& T 8KMN(LM; C " &!$,,$,$' $(8%-??-A
&-U@ -C ! -U@ C.@+ & .@-A O@CCG(S C) CS)-
/ / / $?RR%$ 1T 0 9
O' ;+/ $ 2D !
2 / !$ 9, 9 !
8 U:>,D(2* 2 5-C? ('& (4'&2 '& T
$!T AD ,T+L =2K < ,D2 = M U ,D2 P E D@2
D- D@2 U+6D@2 - ,D@2 < - >,D2 D 8T
L Q --,D@2 = M U-,D@2 P Q KU-,D2 M -B-,D2
U->,D2 M Q -->,D2 Q - ,D2 L -,D2 "T'& T
M --,,@2 U-,2 - >,@2 ->,@2 K ->,2 - ,
^ JJ ' # ! A@>+ 8@@ . D! -C. A ,,G
?@ AA. ' J-@+ +E@ @A@D@ @,-J?@A+ J- +>, +@D
+C A.@2 E>+ +B@ JC-E E, +G - ' @A@ , ?)
J--A@C " A A+@C?@D +@ + .@ @@? '+-'E@ AD
+@D EG +B@ + +B +B@ D@C + @ . !).$* (,+
T U ,D B J 2 J-@+CG2 B A +B@ @, ' , E--U +B@
J@ @A @-, E@, A @C @a
A@ C,G> @2 J@C -A 8@ J ' -? A(- C E ,D
J@@ B , +@C2 - ? A 8C C@,G ? A(DD +@D
+- E> @, A.> .@
A +B@ @S ?J,@ C-?'#C? A2 +B@ @A@ ? G E@ ? A +C@,
;#88 5>,, @, SCCU >C@ ? %?)D@AA E@A
5-CC B ?@DD2*+ ? ?'EC AA.@B 0 -C@+?' B C@ >AA*V? >;
-CD \ @"AA. -CD B>CCE ,D@ $;LNN) & 2
OONLN^ A+ C +a ,E@ E-CA '- E ?@C EC@? AD E ,D AD
.@+@A - ',.-+>A ,D H<, (- ',.-+>A AD U ,Da J +)C
? G E@ A >,@C +> A 1 0<L=0 7 -D>A A -??>A ?
, > ,D2 ,,@ C >,U -C >C D + ,D ;=NN 2$ %
<$20M<"@ - B +-A. U ,D@2 AD -C+- E- +@
E@ >, E ,D@ ,+) -&) " T S*6 P<M @++ EC@A
+B E D@ AD E AD B@C + , U D@ B A. + +BE
+ - B ,,+B-> ;=KL $ (! 0 LOO ; ! D@2
1$ $( )* $ 1 ,D@ SW-K Q) ! " 2T
)'1$ " AD UA 2 U@A@ U ,D2 E ,D- , +BG ;KOP
! ,$! (S - ,D VJ,@D +-' J@C -A
; QP C $ 0 B !% =SO A 0 ?T - ,T ;OQ O@ :V
*@>@C@ +- E-,D2+- B D@A .@A -A - , 1 0 QNP " @
- U@C2 B@ 2 AD B-C@6 .2 -,D@2 - C@%E@D-?@ B@ U A.
;LOP C& - - *0 ? 20 8&@C G(,2 @, -, UAG*%
B D@ @AG -,D A +->A .CT C T S S
) AD B@A C J+>C@ B@ U-,D@ E DD@ E> CG G B@>@D2
%,@) @ A +- E A C@J+@ A-A +@C !LQQ 1 T M S+S
OQ< @ B-,D@A- -A@CA@ -,D@ ->+@ - UG,EG? ECGA.@
;=PN .> E OO< , +@C@C2 , A.>,@C2 G+@C2
> @C2 @C@C2 AD U-,D -B>C?- V@ $ $/AO
(- & & 7U ;K=L ;L) , >AD@ #>
+>A.@2 +>A.@- ' U-,D@2 7 -CU@? ?-C@ ? B+@ @ +B A
A E@ +-,D@ ;P) ! 3 $ $;OQ !B@+ U@ B@C -C
A- B-,D2 A-C A AE-A@ + -? A ;PQQ ? !$
,> ;NK ;!)D@ C@ D> U@D J-A > U+A. +--,@ A +B@
+@C OSPKM) ,$ $ 8;P<K(L=P 3 -A+@+
C>J+@D E + ,@2 +B C G, A. + / ?)+)2 +B ,' +B- @
@SI> +@ +@C?@ 2 B B ; A@>@C)--D U-,D A->.B +-
? . A@ S J! $ -0 0 ;;XKK2 UA- B@
1) CU@ -?@ EC ,A. -,D SM S ?,,!) T SS OQ
,->D@ CG A. -? A2 AD - ,D@2 B ,,E@ ->.B+->+ +-
DC>@ G+B@@A@? @ SM S 7 ! $) ($ - ,D2
EC E,A. -A>? ;)M=N A !& ! 1T T &) T
JJ =)'5-C,@ D A. -,D@ EC D,@D ,@ -A.+B@ -A
3 C 0 G, @ -?? >AD2 ;M=O : & &!" C &%T
T " SS 0;K 5 ?@B +B ?> B -+B@ -,D A B@C +B@
E@ + G +- ,@A@ B@C +- E@ ,@A+2 + SS 1
") T ,)! 6 %B C 8;QOL(LMK B@& A+@C 2
,,'D->E+,@ E@ C@- C@JC@ @A+ A.B " "@C- A@ ?@C@
! -,D 4Q\ = ! 8 ?&! &. &)1$
2 @CG E-DG >Jm9) ?G, DG A CC A+ -,D ;KSQ . R
)7 ?&0 T SS > 8SJ-*(ONM B@ &C -C -A@ +B@
? AG A + A@ - G->B >, AA@C ?@+ ?-CJB- @D A+- A
-,D -,D2 S) = R $,'$ &" ;P G-> -A,G
? A .@ +- DC AU+B@ A@ A@D A +@+JB -C G->2 D +B@
-,D- @2 G-> -A+ E@ ?> B +B@ -C@ -C+ KML
& &,."$,& T MQ -- +@A B@ >AD@C +B@C
D-? A-A- -CE DD A. -,D2 B#+ A DD+-A+-B@C -B@C
E D I> ,6@ 2 , -@A,G AD >A+BC +G2
G ;PM< -6)'4!QO U-, A @@ ,&! 3,$ T E@,- a ;PQN
3 $ *T =L =P ! >,@2 5& $ -)! 0 1 T 0;K ;W
! ->,@ ;QSK V T ;;;S 2 @
+B-,@ -C +B 2 G@ E >, ;QKP T !S 2 "
,6+-A.>D2 U@D W ,\,T:-E @a
!$ &--&' ,&! 1 1 !
! !2 =
;=MQ T ?&!! $! &'(5 8O>AD,@ &T ;(2 D@?
9 +@C A @ + -??>A -,D@ S K+ $ &'T
% 2T &T PNN GU@ -??-A U-,D A % .@ ;Q);
. &- -0 S SM- -??-A B 0 ,&% -)
5$ 5(8 -C->C, D + A -A A@ ++-+B@ @? A A@ .@AD@C2(
'J>E, A> A @+-B@C A@ .BE->CB--D 4KP!:& 1
& 2 -(2 $2 e ;=Q -??-A -,D -A2 B-2
EG +B@ JC + @ - C@I>@A+ -,D A.2 D +>CE +B@ C@J- @
- +B@ A@ .BE-CB--D

& !! -,D' E +2 EC D,@ f G 0
i -,D C+2 C+ > @D -C +B@ J>E, @SJ->C@
- -??-A -,D
4!M & $-- ,0 ;LP 3@ADGA.'-'+B@ -,,@ U C+
4PQO 1 T 4=P 3@ADGA. +B@ U-, C+ ;MN= 1 0
OMP 7@@ D@ C@ @? G B >@ ->,D C+@ -C ->,D 2 AD
+- C @ C J,@ A SK)2 ;KM<! -,D EC D,@ 8 @@ L ;a
;KK= T & ! = !@J+ MMSQP B@A ?@ 7 ,+-A2 B@C@ +B@
?-> -,D E + JC@ @C @D A +B@ B>C B
; ^5C-? +B@ @CE a A + - -,D A.
-,D A. C@E>U@ ! @S %!
$T 4QQL - 7B $ -)! P= B@ @> ,D
-* ->C 3@) -BA +-'E D@ 4KL4 $ $! (&' (
@+ MP 8 / / (7 B,@ +B@G -+ U@,J -C- >,D X) S
7 L) & "' <11 LL D--+ > E@+A@>U
? A -C E + D G-A @C
4QOM) = 7 = 7 B T & $ JC
8;K<L(=<P 3 ?? AD @C@ A A +> , -,D B@A
?G J--C ?+B@C @SJ C@D ;SQQ= < .) +C ,$ &'>
&-T &-$, = + LL B@ DG EE@ B D ,C@ DG
J>+ B ? A A ,, B>?->C EG +B@ -,D B@. @ B ? -C
-@C+>CA A.B@C ;Q) # 0 & 0 $! L # +2
-D G 3C 7 ,, ? AD 3C /@?->,A E D -,D
;KNQ 7 3! 0 & C$ OK /@ A C$ C . 0
8;KOK(O<L2 B->,D A-+ B @ E@@A - ,-A. A
A @C A. G->C B CJ -,D AD --+B A. A ++-A B D ;
A-+^@+ a ;K=Q = 0/@ A & 8;<NL(
OLQ B @A-+ E D +-+C A +-A@ -,D A @+B . C,
?@ +- ?@ 4KP= " = . , (= , -0 8;KPK(" .
-,D D@D ->+ .) A +>C@D,G @A->.B A +B@ @AD2 AD
B ?, >.B b B@ +>CA@D G ;K<; " ' " "
?&' $ " S <L - +B + B @) @A G->G->C -,D
@3 A-CA+3% E S + +
8 U),D(2 T 5-C? - = M -,D@2 P
---,D@2P DKU-,D@2M ->,D@2 U- ,D@2 --7D@2
U--,D@2 M)Q -->,D2 Q -- ,D@2 8< ! -->D(2
M -,D \T ! AD ! >,@2 >,@2 K
< -,, "T ,T K ,D2 >,D Z! ! - (!
-+ +B +AD A. +B@ , -@C@ @?E, A @ A -C? AD 6@ A
-; +B *7 @C +C E #&C ! $(#! , ! $ 8 A
. . - (2 # 9) b88 3 9 2?-D
! +(+B@C@ JJ@ C +-'E@ A- @+G?J,-. , -AA@S -A a
:' ! i #C. A ,,G2 +# E@B @ -,D
+- I> CC@, A- ,G2 +- EC , +- C C A.,@
* -?@ -A@ +- > @ -,@A+ -C >A @@? ,G , AY
.> .@ A +>J@C + -A D B@ G- -?@A !
O - - +B ? ,D@C @A@ 8J C+,G E -,> @-
@A@ L(- > @ >AD .A A@D @B@?@A @ -C J@CY
+@A@ A C@JC-- -C A,+) ,AD A. % -+@A
?C@,G2 +- >++@C -A+ A>-> C) C--
$(OJ>> I.KCT C 3 M S - -CA@ AD +-! -,D@
>AD@C@ +-' ? U@ 4L) 3 ?$ T CT T
S 8;=<P([NQ -- ? A B +B ?-C? -- +B A B@ +B +
B +B A @>G, G@2 CG@A.@ AD * A.,GA.@2 BGDGA.6 AD
U-,DGA.@ LI) T &CJ E@2 @+ @ ,,
C-? ?@U@ ,@? GA.@ A+- GD+@ D@)^)-++A!+ EC >, A.@ ?D
-,DGA.@ E) @ @AD@ S.3 7 QNM O2 ->,D@2
? A -C -? A D-+B@ +B + BGD@2 B % B@G
-,D@ +-.G+B@C ,GU@ + -?@A NSP=K .' &'
0 ;MN E2 @CG D G ,?-+ +B@G ->,D ECGA.
+B@? >C+B -J@A,G AD -,D@ AD EGD@ +B) +B@?2 >D
? U@ +B@? E@,@ @ +B ++B) -,D@ E A. +B@? +B@G @C@
A-+ J G@D 4PK= A / 5@AA@C* % 8+!!(
@+ B ? -@ B-?@ AD U--,D@ +B BE @ 2 P<M B
$-0 T ;QQ 3 CU D G->A" B- B C)@C O@. A+-
-,D2 AD C @ J >B ! +@ ?@2 B + ?-C+ ,@ C@ ?)B+
B CD,G AD>C@ +B@ D A ;MNQ & 3 ,S-M & CD-A ?@
-CD 2+ +B@ C + + ?@ +B + @>@C -C D +- ->,D
SMSK = 3 8;<NL(OL< !-?@C>AA ->+ EC >,@
AD - ,D@ ,U@ -?@A +B +B@ A@S+ @A@?G@ 4MQL
9 % 8# 7 ! (OMP +-,D B@C ?@+-'E@ ?@CCG
AD A-++- E@ -,D@D -,D@ +-- ;MQP 3 &OO& ;;; ;<L
B@C@ -C@.- -,D +B +B@ J- +,@ + +B + B B EC A.
B ? - ? EC A. -+B@ / -+)2 4Q4L 8 6 $ %"
$ $ OKQ &-c -D 2 @ C@) "+? @C +-,D2 %>> A
%@ @+)) > .@ -,D ;QOO J* - &!T "$,. 2
-,D@D B@ CC ,G B ? B@A B@% ?@E U2 S) 9 . 3
-!T 0 ; >A@2 -? A B D -,D@D +B B@C A@ .B,)>C
;QQ;) -*0 !0 O= JC 8;K;P(LQ "@ ? .B+
B CJ ' ,-A. E@ J,@ @D >J-A B@C -,D A. E>+ B@
A@ @C -,D 2 @S @J+ -C E D A+ .@ B R
7 $ T $! ($ 8) &% $! &&-
8;KKQ(OQL -?@A ,- @ +- E@ A?CC@D2 @C@ + -A,G -C
+B@) U@ - B A. +SA@E-DG+-!#,D + SKb %--9
C$ &> $ T;;T> 2 B @/-D->E+ +B + DG &C A @
,,2 + C +2,--U C @2 AD@ @A*)B J -,D2 E>+ ,,
@ C- 4K=Q %$ 2 *> +J>+ ?G+ -
C? C->AD B@C2 AD D2 %-?@*:K @ D-A + -D)
% (SWQ- $ *T == 0 - ! >,@2 5$ T 1 (
OSK O= - ->,@ SK -: R # C& - ;OQ 8 IV / (
?'>C@ +E)G@ . -+ J C+-'E@ AD A@@DA), - + @
+?@
O +B -?J,@?@A+ CG D* 2 D 2 -C
JBC @ @SJC@ A. +B@ C@ >,+ - -,DA.
% + +- -A+ A>@ C A., A. +-' +B@ @AD
CSP<- <$0 (?$,& S =K !+ AD -A +BG .> CD2
AA-+ -,D + ->+ 4M;L $ T (4QL "T
A B>ADC@D 3 CU 0G +B , .B+2 ,@ B ?-C@ ,
B >@?-C@2 -C -,D + ->+ -E>A ;M=P 8 . T
8;MPP(C ;K !B@ B D -,D@ B@C " > E AD -A@D G ->+
-D--C@ MPN c2T ,&!! -) - ;N 3@@C ?-C6,; JC>Y
D@A @ ?.B+ > @C @ ?@A +- + AD +,, ?2 AD > B
B ,,- E@ D ?2+- ->,D +B@ @,@ I> @+);QP=
9 B 5& ?&! 1 TC !& T L= 3G 3 +@C A-+
? A +- E@ C + B@D AD -,D@D ->+ - B 9 A.D-?
;QKL %- J $ T ;Q :>A@2 - ? A @ @C -,D@D ->+
-B A KKQ$ E ,! $5 =0 -,D@D
E U +B@ --, B +B->.B+ 2 AD @,+ B ?@D -?G @, -C
@A+@C+ A A.' +B@?
! - DDC@ 8@ J A A @C -C -C B ,D(
+B -A+ A>-A AD ?-C@ -C ,@ A.CG C@JC- B
+- B D@
B -A +C> +-A JC-E - , +@ A+C-D> +-A C-?A-C+B@CA
D ,@ + :-BA -A D-@ A-+ ?@A+EA + A B / +-A CG

8;QPP(2 +B->.B O- @, C@J-C+ B ? B A. > @D +-C ,,G
A ;QML B@ > @ + ,, -,,-I> ,C +B@C +B A , +@C CG2 AD
+ - +-A C@ -?@ B + >AD .A @D E>+ + I>+@
C@@ C-? +B@ D C@D+ E,@ ?J, +-A B B +B@ A+C A Y
+ @> @8 @A @X(B A-+ G@+ B-,,@,- +
;QSP V .< 0 .SS 2 >,D A U !E->*D
+@?J+ +B@ C @ +- ,D B@? -C+ $>%J # A
?& 2 !8;KL;(=SK 1-> ? G -,D CJ@A+@C B- B
? D@ G-> E D + E,@2 +B->.B G-> AA-+ ? U@ + E,@
8h) -* 0 !(O :>A@ 8;K;P(;ON !B@ B , @ +
- -,DA. +B@ @C A+ 2 S)S 81 " $ $ > ' 0
& O O>+ +B@ +C @ +B@ +C A.@ + +B + @ @C
UA- A2 ' ? A ?> +E@ -,D@D -C,- A. B ' - A ^ @a
% <N) T ; 2 7@,,2 7 ,+@C2 @@,2 -C +B@
C + + ?@ +B@ @ +@ A G@ C 2 +B + B @ C.B+ +- -,D G->
c] $ T $,S 2 !B@ -,D +B@ @C A+
C-? C -? A. + ,,2 A .B+ d 3 7 N$-1 SS
L<L B@ B@ D? A @?D@D +B@ @,,- -CB ?@ AA@ % &
= .1 C&& < (S ;QL !B@ -,D@D AA@2
E>+ - +,G +B + AA@ @,, ,@@J A +B@ ? DD,@ - +B@
,++,@ ,@ +>C@
! 8U:A,D E ,(2 $0 & , 32 0 ^ B
0 O a 5 + -C > + E,@ +-'E@ -,D@D
;KPQ 3 = 8(o &-$ T 0 ,+ 8;KPK(== U E,@2
)D E,@2 >. C J,>? @@D @JB G+B A. ;<NL E 0<$0T
OO 3 G L O B@ ? ,, DD @ D@ @A @,@ 2 -,D E,@ +B A.
! -,D@2 -E -C? -
? 8U>,D (^ .) i " # V
#A@ B- -,D 5-C?@C,G2 i -??-A -,D

8;QP=(; j j j j j j j
! - ,D C 2 ? D OC ,@C E@ C@ CD@D +@C +B@ 3 AD AD
/ C@+ -A2 AD .--D %-A @A @- ? A@ S@ >+-C 2 ;PSN
S 0 < 0 $ 8;PQN("2 " @ C@ A-+ +B +
-,D@C AD EC > " A. B->AD@ - B@,, ;P<P : . 3
&%T A $ 0 & "0 T &,(!@C ;;; 8;<NQ(OQL B @
E@A@ ->,D@C AD , >AD@C->@ J@C -A@ AD ->C @-
+C @ ?-A. + ?G A@ .BE-C ;MQL " B)
" %T $!T QN ! ->,D@C AD >A+@C
C@ U-A@D +B B @ @ AD D-, +@C ;Q<=))7
&1 * ;KL -@D @C- ->$-E))@CC@ +>CA D
-,D@C ;KQP 3 . 2 2 0 C-O O@++G
% CC A@C -,D@C +B A G-> ,@ G?@@+ +B
! -,D@C)8U) 3D*(. " T , . ! -@-,D@C
B@ -G +@C + B@C2 $&*) & ! - T
$B <T - $) $ $ 0 8;K;L(<; B@) & @ #C
! @->@C !;KNP " !(LNM B@ !@ &@ A
-?@ J, @ B@C@ .@+ +B@ A ?@ +B@ -,D@C
! -,),) 8UD , A(2 1!0 10 ^ !%N / 0
" QV B@ +-A -+B@ @CE .)E +AJ?
+-A2 A. C@JC- B2 C@JC--
!1$ *2 -,DGA.'-'U@? +@C ;P=Q
& $,0 8;KK<(NO 7@ JC@ @A++ A@ 5G,,DGA.
-C -UGJGA.'- -CAGA U- DGA. $;PKM N ,$ $
;'8!-??@C(P< "@ @,,+- C@ B -,DA.2 A > B ? A
A@C+ @ ? A@C@2 ? .B+ @,, B@ @B@ J @D +BC-
+B@D J, A@- ! >@CA@ ;P<M 0 $- (0 0
;N< AD) @ UA@ B@ ? 7@, D-2 B@ ->,D +B AU@
-,DA. ->,D D-@ ,++,@ . V-D J-A B? S) L
%?$*(6L< AD +B@A +B@G ? U@ $@,. -A +B@ JC@+@A @
-C ,+B@ C @DD A. ;QPP J $ 8;QM<(
LL 3C %,@A B2 ? A -C?@D2 -E, .@D +- +>CA B@C
AD B@C > -+B@C ->+ D--C 2 +B@G U@J+ > B A @+@CA
-,DA.+- .@+B@C ;KQQ @ 5 (2 & &
;0 J .@ 7 ?2 G D- ? @,,- .--D +@C -,DA.
C-? %?,G,@ -C 9> UA OKQP 7 ! 8 0I?II $ T
& !LK2 B ,) @B ?D--D)DA. +@C D AA@C
E d$ 1005 &-1(N ,&! 3-$, H -,DY
A. # C f ,&! 3,$ F .) 1((#-,DA.
+- U * 32 0(A -E*@ + -C -,DA. % -,DY
A. +--,2 > UA. !+--,
4=Q= A !0 T@+ &,(8;KM;(M%- +@
D--A A ? U(?- +B@ #-3GA. +--,@ S) A 7 9@,,G
,T ,T !&) 8;KPP(QK & D +- 5C A?& ,,?@C -C
? UA. + B@@,@ AD- ,@ E CC -C +B@ ! -,DA. % C+
BT(4<P= - .) 7 ," 1& 7U 4KKO ,MP !B@
J, G@D -A + - A +C>?@A+ +B@ @ @C@ + -? D 2 -C
C +B@C %-,DA. +- U L = B T TS
P=K $@J-C+ AD@@D J-U@ - -?@ -,DA. ? +B@ E@+ @@A
+B@ %B A @,,-C AD B C @AD
! -,D >+ 8UD++ ,D ((2** T $T ^ ! -+/ T i
#3 9 + -,D
- & ?.T $ T $!0 +2 "@ ,,@+B

+B@C@ A E@ @D ;P) $-0 TB0 ;NN "@C
A ?@ 9 +B@C A 3 A-,2 $@A- AD A & D> -C B@C
-,DA. +-A.>@ ;MLK PM 8 . $, + A-+@ LQ
:> @A? G - ,->D -,DA. -? A2 +B +B@ ,A-@
E,@+- CC -@+B@ 3 --A ->+- A , J @ ;Q;< 2X 6
C !! OO= BAU B , @ !-?@ - G->D ,G @ +B
! -,DA. @ ;K== [0)K2 B @
C ++@A +@ AA @ @CG -,DA.,@++@C
$ %(&5 0 ;98; [ )!(0C ,P B ++@ @@A@
@?J@ + 2 B@A +B@ -,DA. 7 AD " >@C > 3 +B@UA-++ @
U@ 4KPP ? &&. K= B@ . +@ " , J C+@D
C-? @ U AD -,DA. EA.@2 !+> U
"@A @ K - ,D,A.,G $ %
\^I ! 0(5& < /
+!-- 3 +@C 10 $ 3V A Q OU-, +@C2
^ ! - 10 i ! Oa -,D
%;MNN A " A>,+-A A)$ & 8 KQK(KP
^OG +B@ @A+CG A +B@ !@ -A O--U2 + JJ@ C +B + .A@
&C? .@ AD +@D -C a ! A +@C
! -,@) -E .E .E B..
! -,@ C2 -E -C? -
! -,@ D 8U\ C D(^ D ?-D $
A@ + J 2 C @D 4+ 8. L @@ /a A
A? ,-'+B@ , ,&!, $- ' ')!& T
$ %& BL. ! - (&- *T $ 0 QM B@ , +@D , C ?
- -?@ ! -,@ D AD B A-D@C?

! - ? E C - D' 8 ,) ? E C- D(Z $0 AD' 90 , -'
8@ , @C(- ? E@C- D' ^ ' C'$V& 5%%*3& '
i' # / ' % Z 5 ' ,&- . ' 8%> @C(a' ' $ B0
$@ @ ? E, A.'+B@' ? U@C@,' E@,-A. A.'+-'+B@' ? ,G'
,& - 50

!)1'8;QOL('K ! - ? ? ' AD'D@C -A'>AEC D,@' @ CZ AD' ? U@'
+B@' J@ A+'EC @'+B@' JC A @
"@A @' K -A>>E + -^ C C?(>J 8) a2 T! - ? '
? +,@ ' $ B (0(B C +@C X@D' EG' . E@' -C' - Z

'8 UJA (Z 1@'$, 0 , -' M Q' --A -Z
U-A-@ ' ^# '-E >C@'-C . A' J- E,G' ' , A.'A @'
- ' ! - "#,' 10 ' -C' - ' !--9#!' 10 ' 8+B->.B' A' ->C'
I>-+ 'C@ -CD@D'@ C, @C'+B A'+B@', ++@C(a' '*- >, C'
+@C?' -C ' B@'B@ D' @ J'+B@' C- A' -C'+-J'- '+B@'
B@ D' B@A @Z TB@ D E , +G2' @A @Z +' , -'
J>+' -C'+B@' J@C -A' B ? @,

[illegible]

[illegible]

[illegible]

```
8 G'G->( - ? @ +- @@D' +B' > B' B J +@C @+ ? @
-A@b -C ? G' + >,+G2 + +B@ D B' ? @ +2 AD' , - A . C ? @2
+B->.B' ? G' - - J@ +B@ B-C+@C ;KP< m
! - ? @ ? @A' UA@@,@D' D- A2 AD' ? D@ - - J -
+B@ C + - B AD *- A@D2 AD' JJ@D
% B@ E> U@+ - +@C B@@, -C - DC@D. A.
-C DC A A. ? B A@ ^! - / > , & *
[R_ 3 .. */ , " !,$ )0" +B@ - - J@ A' +@C
B@@,@ OKQW : 7 0 , 0 ,&&* 8 " GDC >, AY
. A@@C A.(2 +B@ E> U@+ - DC@D ? A. ? B+A@ R&&& 7 "
7 " $ $ $ ' QL " @ - - J E@ + -C , + +B@
+@C C- ? +B@ ,- @C +- +B@ >a) @C D@
$ JJ, @D' +- ? @ B A , -A+C A @ -C C@
DC A. +@C
$/ + ' .. $ ( 0 &' " ?$ ,)! P C $)
( ->J@ +- DC @ +@C ->+ - B ,,- @,, SKPSV=
%GC E %)! 8@D - ? , A -A ;KMQ( W M O 3 C 7
,) E ? B -A+C @D' A@ -C ? - - - J -C ,+@CA + A.
+C->.B' ^ -C DC A .@ J>CJ- @ a
/ U AD' - B- @, 8 CG ) .C@ +,G' A' X@ AD'
B J@ -CD A. +- + J@ , J>CJ- @(2 > @D' -C
D JJ A. ->+ -C B- @,, A. >J' AD' CCG A. ? +@Y
C , - ,- - @ A +>C@ > > ,,G' A' ? J,@ ? @A+ -
C-Ab + A2 @+ +B' B-C+ B AD,@ AD' EC- D2
-A @2 -C >C @D'E, D@2 +B@ J C+ - B B'A@S+ +B@
B AD,@ - +@A' - @C@D' - @C +- -C ? C@ @J+ ,@
-C +B@ ? +@C , - - J@D' >J2
O=K) [ $ $! ,,0 ' 0 8;K) ( M) !B- ,, *DD*2
! -J ? 2* ; = < P O N L !U- - J@ -C J + B@ S KS : ..
$ & ' 2 0 & 0 =QK " > + -A 2 C@ +BC- @A'
+-. @+B@C' A' A' B@ J@ +B' >,, U->J@ OMQK C !0 $' 0
4 ;NQN 0C@ @C > @ +- U@@J' +B@ C' 0 C,G , D' E->+
- -+ A' D@J+B2 AD' - +>CA@D' - @C A- AD' +B@A' +B'
! - - J L ^0 X 0 R7_ B@ B C.@ - - ,
? - + -A @A @A+,G' A+C-D> @D' ^ A+- +B@ . C@+-C+a A' +C G'
- B@@+ C-A2 @ - ? @ B + , U@ .C- @C' - - J ;K==
' 1 ? 0 $ - OK= ->J,@ - - -D@A' - - J 2
+- B- @a >J' +B@ -CA' A' B@ J 2 C@ > @ >, ? J,@ ? @A+ A'
-CA E CA OKP; =# [ 8@D - ? , A -A ;KMQ(
^ ? U A. a B' C@+-C+ C@ B C.@D' EG ? @ A
- ,-A. >C @D' +C G' - B@@+ C-A2 ,,@D' - - J ;<NM
$ !" 2 ;\ !@J+ 9 " >.@ A - - J @C@ > @D' +-
WB- @, +B@ DC @D' B-J A+-2 CB@ J
E . ? A@C' , D,@ f ). 0 0
OPLP ,,0 0 $ 0 ,& !0 OPK !U ? -C +B@
C+ ,)@C@ OMKP C. E $' 0 4 ON<O B@ >AA@C I
B C. A. B@C2 @+ A-+ + ,, +B@ - - J2 -C J>A.@
A' A +C> ? @A+ +B' J- -A B J@D' -C .->.@
B J@D'E, D@2 > @D' -C >++ A. ->+ J @ @ C- ? - ? @
- + ? +@C ,2 -C -C C@ ? - A. -C@ -C A' @ ? E@DD@D'
>E + A @2 JJ, @D' +- C -> ? ,, >+@A , A'
D- ? @ + > @ B @ ,G' B-C+ -C $**! ,&,*" , 3
,&&*"*& ,E&3 ,&&*" -C B B' @@ +B@ C + @,@ ? @A+
A>&> = < . &&. " S+ ;L= 7 +B' ? ,, ! - - J@
@CG' C@ >,,G' + U@ - +B@ G@ ^- +B@ %-D, A.a B-,@
G-> A2 AD' - - J@ ->+ +B@ %-C@ OQQ= = # . 0
!@C ,, K; B @ A-+ E@@A' E,@ +- .@+ G->C , @C - - J'
G@+ ->,D' A-+ + -C +2 +B->.B+ G-> ? .B+ A+
+B@ C> + OKNP $ 7 C $, 0 ,0 M;O B@
@G@ -C C- -+ E>D' - +B@ J-+ +-@ > > ,,G' >+ ->+ - + EG'
- - J +- +B@ +B UA@ - E->+ B , C- A
E ? , C' A +C> ? @A+ -C >C. , J>CJ- @
A>JO 1 S KM + ? > B' @C +- , G' B-,D'
- + ^+B@ !+-A@a +B' +B@ 5-C @J 2 +B A' @AD@ ->C +B' +B@
! - - J2 +- -C @ + ->+ CD O) P '&! & ! $ $!0
) 0 ' ) - ' AD@S2 A@2 >C ,2 ) +- A@2, +B-+- ? G2
,>J> - - J ^@+ a
# 8! @@ I>-+ (
SKM & !! C %) - " 8@D L( OP= 0 ,, C@ >+ EG' B AD2
+B' +B@ D' - , ++,@ +- -, ,,@D' - - J ? D@ - EC
-C -CG2 E@ A.2 A' +2 C A. B J@D' U ? @
JJ, ) +- @C+) +- -, > @D' A' @S + -A'
- - , B@A @) +B@ I> A+ +G' - @ C+B' + U@A' >J' +
-A @ EG' - - J2 , - A' $ ' ' " B-,,-
+C- @,
A>+% ) , 9 <$ C' OL= B@
/ EJ, A+ A. ! - - J' ? D@ > @ - +- + U@ >J' - ? @ !-C+ -
&, A+ +B' +B@ C+B' E->+ +B@ ? OK== " 1 ? 0
$ - PNL B@ - - J2 +B@A' @ ? J,-G@D' +- >+ >AD@C' +B@
,) + A CC- J + OK=M : L 1 0 C $, 0 ,0 8@D =(
< OLK - + U@ A . +-C - - J2 +B + ,, ? @ >C@ +BC@@
AD' B , A B@ C- ? @D.@ +- @D.@2 + U A. +C .B+ C-
+B@ C-A+ -C B-,,- D@2 +B' +B A +C> ? @A+ - ? ? @A @
D .. A. A-+B@C D + B 3 +@C +B@ C + @ - - J B @ E@@A'
+ U@A' ->+ - +B@ ,- @C D + B +B@ - @C A. A' B->,D' - ? Y
? @A @ R&&R 8 C $' ' - .0 e ;SNN B@
E-++- ? ^- DC Aa E@ A. ? D@ ? J-+B' AD',@ @, EG' ? @ A
- +B@ - - J
! U AD' - E U@+ % 1! AD' 3 / >
, & * AA- A. E U@+ FT- 1 ; ( 1 0
4P=M A' ,, < 0 0 !@C2 ;Q= +B CD@ I)
-J@ - #,G @ - + *) \ S $ - 0 ? . 0 8!>C+@@ (
4NL - + U@ +B@ ? @ E> E@,, -C -JJ' +B + @@ ? @ >C@D'
+B@ - ? @ A OMQ) # ' 8 ) $ 8;KKL( ON=
B@G' ,@+ B ? D- A' ? - - J' -C E U@+
M C @+G' - - , E-S2 - ? @ B + C@ @ ? E, A.
,->C - - J' A' B J@ B-C+ -C ,&$!3 ,&&*
OKPN A' 7 .3 AD' A', +@C / @+
M !B-C+ -C ,&&*3' 0
A %/ B C V - S 8;KM) P;L B@ B' A@+ 2
C@ - + - U AD 2 +B@ - - J' AD' +B@ @ A@
2 $ 1( AD' & - 10" ,&&* !&$ " 3 *$ " 3 &&!:
,&&*3! . " 3 $* B 0: - - J' DC @C 8 @@ I>-+ (
- - J' B@@, ^ , *2 B@@, DC @A' EG' AD' -C
+@ ? -C , + A. +@C
OK< $1&) & - - & ' <!& ( 0 2 B@ - - J' D @C
> D@ B@ - - J' A+- +B@ ^. a C@+-C+2 +>CA + - @C2 AD'
,@A' EC A. +E U . A' -C ,, A. OMQM 9 % C C.
,E0 O=N ) ->J , U@ A +A ? @A+ SKK* 5
' $' 97 - - J , U@ A@+ -C + B A. ? ,, B
K=O " ) !0 $' .! ' 0 # + OLL - - J' ,- D' ? G' E@

+ U@A' + -A@ +@A+B' - >E G CD " 1
$ - ;; LNO B@ E> U@+ C@ ) - - J B J@D' 1 0 (
MN4 AG' ,- - @ - ,2 B->,D' E@ + U@A' ->+ EG' ! - - J' J D@
SK- - $' 0 &,0 4 ) L A' C-A @D.@D' T - - J
+- -, SK) !? ' 0 63 , 0 6 - !0 : <N ; : B @ , G
> @D' T - - J B@@, 2 +B@ ,- + E- CD - B B' D J' P @@+
E@,- +B@ +@C' >C @
8 U J(2 1 $K$ 1
2 B@ + -A' -C A' + - - - J A. T
OQ= B 7 0 0 S <;N S +@D' .C-+ G A A.
D@ 5C- ? +>C@' +C> +>C@2 -C +B@ - - J' - ? @ SHS
7 2 .. ) ,. & ;L B + C>A @C@ -E+ ? A@D' ? -C@
-C C@ D ,G EG- B ++ A. +B AEG+B@ -,D' - - J' +- ,@. ;<NK
' 0 0 JC L<M " @ ? U@ ,D - - J + +B@ .B+ A.
B
/ ,&' , 0 J, @ - - J@D' -C B-,,- @D->+ , -2
A +>C , -A +G' -C B-,,- C@ @ ? E,C . +B
$ !" ( A' C+ , E A' -C +@C , - ,&&*3AE 0
P +>28 " 9 .1 . ) > ' , 0 C$ ' 0 8;QKM(
OK< " @ @,+ +B@ D@, -> -A+C + - B ,, AD' ,,@G' B A.Y
A. ? J@C @J+ E,G' A+- @ B' -+B@C2 + +@D' +B@ E@ >+G' - +B@
@A+,@ @,,2 -C -A @ - - J SK S . !!0 ' 0
, ;SP " @C@ UA-,, AD' +B@C@ - - J2
C& - ( $' $ &' $>55 E ( B@ -AD> + C->AD' +B@
. CD@A bA. AD' ? @@+ A' - - J - ? ,U B +@ +-A@ OKQ=
' ) $ % & - $ 0 &2 , OO ,, - -+ AD'
B-C @ +C U ? D@ JC@ -> +- +B@ +-C ? B D' E@@A' EC D@D'
AD' E,>CC@D' EG' +B@ DC-J 2 AD' +B@G' ? C@ A- - ? AG', ++,@
- - J - +@C OKK= E 0 ' - ' S LL 3 - + -
+B@ J @ @ ->,D' E@ C@D' +BC->.B' ->A+@C ,-J A. - - J
O<NN $ !" 2 ; : >A@ L O A. A' B ,,- - - J ->+
? -A. +B@ B ,,
$ A' C- , A. > @ $ ' ,&&*" T-A'
+B@ DC AU2 -C C->AD' - D J + -A 85 C ? @C(
) OKK= < $* , LN >. OOL O G->A. +- UEC-U@C B-2
A' +B@ E @A @ - B @2 B .-A@ -A' +B@ - - J' +B' B
+B@C A , OSK<L = .. > " ? $!!$ 7" A' A., B'
3 ,-CD' ? +B@ - - J' CA + E@ @ I > ,,G' + E,>@ A. I > D2
E E0 0 8! @@ I >-+ ( % 1 0" P E
SKKM C &' , " ) !0 M 5@E ML ; A' ? @C A' A@ J J@C
I ) A' +@ ? A @) ,>@D' , C.@,G' -CD A. +- +B@
, U@, B- -D' - + E@ A. A' @S ,> @ J ) @ - A -C ? + -A2 -C

' 8 .. ;;L AG' - - J U@D' 5 AA@G2 C ,G ]
AG+B A. @S ,> @ OK< $ &' 8 1 (O< / @ 0
=KQ ) ;W ? @C@ -A@ - > B- ->,D' A-+ -A @ , -A@ ^=%
C@J-C+@Ca - B - A' A' +B@ BC>EE@CG - +- .@+
- - J' -A' B -A+@ ? J-C C @
A0 E 0 0 G 9 ' % ) L % 6 %
* '% '& ) 6 " 6* % %
-- L & % <
OKQ< A' 9 ! !>JJU AD' A', +@C / @+
9 - '6 & % ' T* '-H
A 0J : 1. 7 $' " ' ' 0 ;MM 1->',, @@ B- -CU
E . - - J' B@A' .@+ + $ !" . &' 0 OQ : >,G' ; M
" @C @A. .@ ? @A+ + +B@ & , @ E+. - - J
6 ( O - 9- !". $! 1 6 '
^ 1 10
: $' 0 5 - % - L % L * %
L * G 6 9- L * &) 0 M L $ 0
%4LLN $ B . &' 0 6 $, 04 &!! + K;M= / - -J@ V
+@C2 \ +>CA' V@E-CA@2 OL 0 0 !! 0C 0A 0 ;PP ! -J@A'
->+ E , +@C2 , O==N "$,&1> !! ; O AD@C B
+GC A' L->C@ JG++2 B A' B6 +GC -JGD' ->+2 E D@@J'
- @ E@ A@+E@ 1 ( S MP ) - A@DG+B +- -JGA' ->+ B+
-CC>J+@ +GC - >C G+B' HL - - J@ J@A >A S 2)
. 7 M<< O @+ > ->J@ ->+ +B@ +) ->+ - +B
J-AD@ OS+@ - . & - $' > C 0 2 E @ @
+B' ! @ +- +B@ # @ A2 - + ? @ &@+C> B
A%O> ) ' $ S OM " @ - - J' D' +B@ +@C C- ? +B@
CG + , ,- -D A>>J' = 2 . 3 $ !" $ " : >,G'
8;K) ( OOM B@ @ @@ ? @D' +- C@D->E,@ +BC C -,@A @2
AD' +B@ E- + - - J@D' -A@ DC,G' - @C >
$ &!0 , O=8N " &1> !!50 MM mM@ -J@ - " J@A >A @
? > +@ E@ D@@J' A' -C @2 \ @,,G +B-> -JG + A' @GA
; 5 % # % 6* % % - %
% - % % * 6 &
) 6 & 6 6 # -K' -&
*% '$ * - # % ' * -- L D
5 L * 6 A* -& L *
&) ( ) *0 9- &) 6 %
6 L * % L * 6
SM = +C ! '$' T < ) 0 - $' !%0 A 2 L! B@C@
C@ - ? @ U AD@ - J@ -J,@ - C>@,, AD' A -A -B E,@2 +B +
+B@G' +B AU@ - A-+B A. E>+ D@ @ + AD' -X@A .@2 - - J A.
, U@ B->@E ,, +- +B@ ? @, @ OMPL " = ' 0 ' 0
+ 4 W P 8;QSO( Q; " @C 5-C@ @@+ C@ EC- D2 +B + B@ ? G'
->J' G' ? > B' C+B' + + ? @ OQSK 1 ! $ S
PQK 5>,, A' B6 G@ +B@ 7 @ J-A' @E A@D' +- ,,2 AD' C- ?
+B@ 5 EC@ - - J D' +B@ C- -+@D' 0 ,, ;Q=Q ^ @@ 1 10 La
OKNQ $! &' $ ; MS + J, A,G'
-C ? @D' EG' - - J A. +B@ @ C+B' C- ? +B@ D@ SK) 7 Q 3 7
& $ OM= B@ AD A - ) +B@ ? ^ EBa >J' +B'
? ,, A@+ 2 S ) ' 8 .. $!0 "&) - " ;M B@A ? @
- OGC-A B D' E@@A' - - J@D' ) EG+B@ C AD' / >U@ -
> AG2 S) S C& - ( $ &' % &' P=M !B@
@,,2 AD' B@C + E-D @ - - J@D' +B@ AD' A+- B@C E- - ?
$ &!0 $>+ ) ) $!" ( ' ' $( @+ LNL 7B +@ @C
J C+ - +B@ " CE->C +B@G' - - J' A2 + B A' A ,>@A @ -A'
,, +B@ C@ + -C +B@ !@ ? ? @D +@,G' -CU +B@ B-,@
0-++- ? +- @ @,
5 * ) * ( % 6 -- 6 & &
6 & % % # % '
K' % %
OKPP = B. 0 ' 0 550 PNL B@ .- @CA ? @A+)
A +@ D' - , E-C -> ,G' - - J A. >J' >JJ, @ C- ? A> ? @C->
J@++G' ->C @ 2 ->,D' A- DC B +@ @C + C@ I> C@D' C- ?
A' ? ? @A @ C@ @C - C
%0 0 & & % L * % ) 9-
' 0 ' ) " 0

Z0 $' 0 - B-,,- ->+ +B' -C +B' - - J
+- -C ? -A +G' -C D@JC@ -A' '> 0 , - +B T Q
OQNK . 1 " 8 L<M B@ , ++,@ $ @ - 0 CD 2 +B +
E-J' C- ? !JC G' +- !JC G2 - - J A. +B@ - +, @ + 5C> + ` h 5
)) * , 0 - PN J' L - -A' +B $- U' +->
>C -> ,G' - - J@D' +- +B@ C U A. OQOM &! <$- '
L; !> B' F> +C@ C- C@ ? D@ A@ EG' +B@ / +@ ? U@C'
B@C@ - D@D' / @ C@ @ G' +- ! - - J' -C - D OQLO
&-J0 ) ? ) ! ' &' % -A >,+ +B@ @A > - +B@ &, @
A' ,, B + - - J A' C , A. +B@ +C@ +B@ ,@2 SD-S
= .. ) 8 &&. " 0 ;OQ ) @ ,@ A' +>CA J AD' CY
C-+ 2 AD' - - J' -C >+ +B@ ? A+- B J@ OKQO 1
C! " 0 ) 0 84K<=( KK B @ C- U E@,- B A. E@@A'
- - J@D' ->+ EG' +B@ ., @C A' -,D' D G SKK- 3
"$*$' K= B@ J- + C@ - - J@D' + +B@ +-J2 AD' B@ G'
J-,@ 2 C@ + A. -A' +B@ - - J 2 C@ , D' ,-A. +B@ ?
E ' 0 - ? ) @ B-,,- +B' - - J
8 A' I>-+ ' , *$ +
) OKML 0 $ -> / JC -7 X!J' J + B'E, U C- U2 - - J@D'
A+- EG' +B@ +C@ ?
! - -C ? EG' - - J A. -C EG' - - J *.
, - +B' &) 0 >
OQLN =M ) ) ' ' Q=N B@ @ B@ ? ->A+ ? A
D +@CA ,,2 ] +B- @ ? J,@ +-C@ # +@C2 - - J@D' ? -A.
+B@ B-,,- C- U 2 , A>/+ I ! " SS S- !@@ +B@
C ,D' ! -A - J, AD' ' D- ? A2 B + - - J' +B@ C %-> B
E@A@ +B' +B@ DC +@D' !A- OQMN < .) $ ( O<N B@
C ? -AA@ +@D'E>, CU ,0 ) @ D U@ - " -,, ADa E C@ D
+ ,-A. CC ? D + +E@ + CG' C- A' ! - - J ->+ A' @ ? J C@2
AD' > >CJ +B@ B-C@ OOKSL 9 . & &-@+
7 U OSQ ! - - J@D' C- ? +B@ - -D >AA> ? E@C@D' J-+ @C@
@@A ? EC- A@D' +B' >,+>C@ SKSM C &% &%
!!&' C2 " @ D @D2 AD' +B@G' - - J D' -C B ? B ,,-
.C @ OKOQ ' ) 0 $ =LL ! - ? @+ ? @ @ - - J'
+B@ I> CC@, B-,,- @,, OK=O 0 ' .. C$ , 2& .
4NQ >,+ - - J@D' ->+ EG' +B@ C>AA A. +@C OKPK .
' $ b C$ MN #A@ - > - - J@D' ->+ B-C @2 ? -C@ - ?
J,@+@ +B A' AG' - +B@ @ >,J+>C@D' A ? , 2 A' +@A' ? A>+@
OKQQ 0 ) 8 ) E* ! S =K= B@ ) +B' - - J@D'
->+ +- D@J+B' - ->C @@+ , U@ ? - +>C@ C , G' >++ A.
P !$' ( - + U@ -C + U@ >J' A', C.@ I> A+ + @
+- JJC-JC +@ 8 - ? @+B A.( A' D A @ - -C +- +B@
@S ,> -A' - -+B@C - ? J@+ +-C %B @ ,G' & ,&&* '
8-C ) * +0 2
;KK : / 2 = U 2 & . ;MN 85 C ? @C( " @ C>A
@ @A+G' E> @ -A' +B , A@2 AD' - - J A' +BC@@ C ->C
B>ADC 3 D G SKKK ' 8 .. ' V !1) - S ;;K B@
C B' C@ JC@ D A. ->+ A+- +B@ ->A+CG' AD' - - J A. A'
+B@ C ? +B + C@ A-+ J +>C@ I>@ @A->.B' -C +B@ > ? ? @C
-,U O<NO B 7. &) 2 < ' )
B@G' @,+ + J@C -A ,D@ @ + +B +B@ B->,D' - - J' @ @CG'
B A @ +B + .-A.
E 6 ' B&) '$! , ) 0 8#C . E0 0+ - >+
->+ C , C@J-C+@C -C @D +-C2 -C B J J@C2 EG'
-E+ A A. AD' J>E, B A. @S ,> @ -C @ C, @C A@
OKK= $' & P : >A@ =OO O " @ D' B@ A-+
) A. +- B@ - - J@D' ->+ ) +B@ -+B@C @,,- R&& C &' ,
" '!0 M 5@E ML ; B@ @ @C .A A. AS @+G' - +B@ +G'
@D +-C ^ A' ? @C a +- - - J" +B@ +) J- + -A' J J@C 2
S- - . U 2 C$. < !LK 3 : U -A' C-
+B@ G'B .-+ +2 AD' B@ . ? A. +- JC A+ + A' +- ? -CC- '
J J@C2 AD' ; B ,, E@ - - J@D
' 0 # C .B+ B ,@ - @@D' EG' + U A. A'
, C.@ ? ->+B >, - EC + E 0 0
OKKQ K ' @+ .0 ' ) 0 E 0 0 OM= . A' +B@
B ,@ ? G' E@ - ? A. -C @@D A.2
+ 1 0 $ 0 A' Q ->J2 - ) @
^% 8 1 9 ' 0 # E CD - - - J' $ 0
, - $' 0 - + U@ 8 - ? @+B A.( +B' - - J
OMNP 1 !! && 2 @ , U@ D + +
B@A' B@ , .B+ J-A' D A+G' U AD' ? U@ B
EC . 2 AD' +B@A' - ? @ U +@ D-+B' - - J@ + C- ? B ? +C .B+
SMSS 1 ) 0 < 0 ? 0 S, e ;O ;MN 7 B ,@ @G'
@C@ ? @ >C A. ->+ +B@ C > +2 A' ) . ,@ ->J ) + +B@
? @2 ,@ +B + ->@C +B@ !@
8 U J+(2 $0 ^ $$ 1 *9 $L
A' C- C @ - +B@ @CE , - ,&&* 3 ) 0
OQOM &! < $ - ON B@ BC@@ C + 5C >D
@ D@D' AD' ! - - J@D' / @ OQQP ) - 0 0 =OP
# A' +B@ J- A+ - +B@ ? ,0 +B@ CC- a S@D - J@D'
J- A+ - E> U B-CA U 9 C $, 0 ,0 2
MSO B@ - - J@D' @+ ^- J-+ +-@ a2 +B->.B' +B@G' .C@ 2 -AY
+ A>@D' A' J@C @ +,G' D C B' + +@ XKM ! B ,)3
!$ $' ;LQ &B , J' - ! J A2 - ? @ ->+ +@C +B +@ + , ++,@
E@++@C +B A' - - J@D' +S>CA J' SKKM C &' , " ' !0 M 5@E
ML = " - D D' G-> ,@+ +B@ 1) ' ? A' c.@+ G' D+B'
G->c . A' G@ +@CD G A I> C@ +B@ @S +@D' +G' @D +-C 2
B@A' G' +B@ - - J@D' C@J-C+@C .-@ +- +>DG' +B@ Q
1) ' ,@ 0 >+ - - J@D" +G' @D +-C D .C) E,@
? A' +- ) >@ +B' OK<Q 7 % '&&' MC
$-+ D' - - J@D ->+ J @ O<NQ ' 0 <$0( O= >. ;L X
@A@+ A', @ E-CD@C A. +B@ - - J@D ->+ C-A+
/ ^ 1 # +B@ B AD " -,,- @D' AD'
*- A@D' - +- -C ? - - J2 $ 0
XKM- . ? $ 0 C $ 2 !B@ +- -J@D AD J,>A.@D'
B@C - - J@D' B AD A+- +B@ U@AA@
8 U JJ*( ^ ! - - J' [ N" :
# A@ B- -C +B + B B' - - J
SMMK ^ ? J, @D' A' Ea [Q P A' # ! $' S& S 9 "
"$#& $ & % $ ! 8S ) OQ B@ AD A @@J'
D- A' +C@ ? +B' - - J A@+ ! , ? -A C@ + U@A' + @A+G'
A' B->C EG' @ @CG' - - J@C ;K<Q )) 0 50( ,&&* T
C' ) - &' &" - C ? - BC-A C' ) - &,&' & - >CC A.
? -A. .C A - - J@C O<NK * $. S >. MLL O B@
> +- ? -C +B@ +@ ? E- + - ? J AG' +- . - +- E-
B- @,,@C" AD' B C@ B . A. - - - J@C
E ' Q ) ) " $ %MM .$
SMMK . '& - $ 0 <M & $(00 . ! - +@ C
)! 1 ! / 1 / !
.$ N_M J & 0 N&&!0 : : $<&&$
A I = = ? 0 ? ;P
/ + - -, > @D' -C A- 6 - A. ->+ J-C+ -A - +B@
>C @ -CU@D' >J-A @ J' A' ' $ ' 0
```

;KPQ C ' ' "' " ,!0 4 =LQ O #+B@C , A@ E@ A . - +B@ ?@
D+B +BC->.B +B@ C B-,@ D@J+B2 ?> + B @ E@@A JC-D> @D
+B +B + J@ @ - .C @C ,,@D --J@C ;K)
&& ' $ ' MPL C @C + A+ +--, .->.@ -C
--J@C AD , + +--, -C B @, 5 *&'T ,0 ' '0
;K;Q ^ A.C @C +--, (, + --) C C->AD --J@C
;KK= $! $- !" $ (5@E ;PO O ^3 -D@,, A. A , Ga
--J@C AD + - -C +BC@@ C J@C ,, E@ C@ I> C@D
! --J@C2 ! ---J@+ @@ 11 ! 11
! --J ,8 Ub J A,(, - ,,`2 ^ 1* :
i &6 : I> A+ +G +B + ,, --J
Qb! F -8 &)' & ! N= B@ 7 +@C ,, A.
+B> B CD2 @ @CG ! --J >,, >J-A +B@ ! AD 2 B'D .C@ +
D@ , - + G KK , 1' > $ (4 4 O;Q ; B@G
+BC- C J D --J >, 2 - @C +B@ C B->,D@C
8 U J,I(2 1!0 10 ^ ! ---J a
F a B@ + -A - +B@ E 2 A C -> @A @
;K=; " - !0 $'.!'' ' (# OLL 5-C > @ >, --JY
A. ^A @S + -Aa +B@ .C->AD > > ,,G C@I> C@ ,-- @A A.
$I / < , ' "' = < &!(,& !(+ KN B@ --J A.
->+ - B-,,- A -, D C- U
$ 10 $ >$ 3) .. $ - ((8;KQ<(Z BZ
--J A. J- @C - ., @C ;K<P $!" 2 OL - P M
! --J A. AD E-C A. +--, 2
E ,&', (-A +G2 B-,,-
SKM ' $'' ! (8@D O(OQ - -C +BC@@
> B --J A. ->+ - +B@ >C @ C@ J @D -A +B@ ->+BY
@ + - + ;K<= 7"< B.) ($', ;=;
B@C@ C@ +B@ ?@ @ AD --J A.
! --J A. 8 U J .(2 **!($(Y" 7 O a B +
--J 2 A +B@ @A @ - +B@ @CE # C- U2 +B@
@ B + -C? B-,,- -C D@JC@ -A
&=R . !!(' (Q< B@ B@JB@CD ,@ @ B
>AJC-+@ +@D ,- U2 AD ,@ -C B@,+@C A -?@ --J A.
C- U2 L A 'C& - & &- && $ 5 % O@ ? A@
+B@ @,, A.2 --J A. @ B + E-+B B ,, AD D ,@ ;KM=
: % 0 $' &'' < $' == B@ J--C +C->+ @C@
,>A. ->+ +B --J A. B AD
E ,&&* ' 4@, ,&& E
$>% ? 0 N&&!(8;QQM(:: =OP ! --J A. - @+
XK K - . 7 ? (' - 0 ;N;
"@A @ ! --J A.C,G $ ((- +- C@ @?E,@
--J
SQ!I ' B7 ?$ 1$ & OLO B@ @ ,@ @ +>CA @CG
--J A.,G A CD -A +B@ >JJ@C D@
! --# & " @+ ^ 1 1 ? ,,
,-A. B AD,@D A@+ D J A@+
[Q< . 1 ! 0 2 $- * .0 <N B@ AD A
--J A@+ B J), U@ J- U@+ $ J<) .0 ') (
E0 0P; B@ -CD A CG --J -C D J A@+2 , - ,,@D C E A@+
6 0 ;K<P 0 '' & 3 $ SS 2 B@ +- A -,U
+--D E->+2E>+ A-+ +-- A@ C2 ,@ + +B@G B->,D E@ ,,@D A
I>@ + -A -C -?J, A @ +B +B@ D@@D2 -C +B@ 9 A.''
--J A@+ . +B@C@D D@
! ---C@2 -E -C? - !%#$ 2 ! --0
. ---C @2 ! --CG @@ (B $
8 Ub+(2 1 ,0 , - ->+2 ^ ! --+
b a 8!@@ IA-+ (
/ # ! !>JJ, 2 ,&) GC A.@ ;KKN "$- &
0(,&& (.> B -C ,- - +@C , -2 +B@ J J@ -C
-J@A A. C-? B B + ,- %,GD@ $ > 3
)) OP< !+-++ A" >J +B@ . +@ , U@ B C-?
,, A' .>, B- U --+
8 U)+(2 1 (-C !$' (^ ! -- (
B@ + -A -C A + - '' --+ A.
;KM= & ' ' $ 5@E 2 " -> @ C@A+2 +--2 + @,@. A+,G
@SJC@ @ +2 -A +B@ T ?@ --+ >J CD '' ;KK= 5 $
0 $ " & @<P CG D-. A" ? A A" A ..@C
? D@ -A@ U--+ >C +B + +C@@
8 Ub+(2 (, - < U +@2 U@ +2 K <
->+ ^ A @A @ 2 B B J>C@,G ! 2 +B@ -CD
JC-E C@JC@ @A+ 3 T . # (- ! AD A A
-C . A2 -.A # T . 9 $ +- B@ D@AY
+ +G - +B@ -CD A @A @ O AD L A-+ I> +@
@C+ A a
,($' (T - @*@ +2 *@CU2 -C I> C+" 8: ? @Y
-A2 ;KKN(
K-e : (C& - ;PP 8: ? (A .>+ A" . " E@
=D7 1 R ;K<Q % K $' &* > S 2 @E-DG
U@A+ B@ +B@C@ + ,, E@ --+ + +B@ +@C -A 3 +@C
. G
E ' (8!@@ I>-+ (
R&&7 "$- &'> (2 - ,&& (+- ,- -C .> B ->+
+B -C @ %,GD@
/ ,0 AD E((- , D@ >DD@A,G2 -A , JJ@CG
.C->AD
;KLK : % c 'V .$,&$! .0(T& C- !, JJ@C "85 C?@C(
-+ +B + AD A. B -A >, @ @ ,EC+ +- ,>+ B +B@ G
EC U B@ U>+@D A+- +B@ .>++@C ;KP; " = .3 .. $!
A S Q< B@ @A-C?-> U 2 --+ C- +B@ , JJ@CG
D@ U 2 , U@ - ? AG , AD , D@
L !$' -C ,&!!&D0 - . - >DD@A,G AD +,G2 +-
D C+ : +- . - G B>CC @D,G # +@A +B D
B@ 8+ -C . A ,,G A >+ ,(, A. -CD2 C ++@A ,&) AD
JC-E JC-A->A @D 8 U >+(2 @@? +- B @ E@ -?@ -E -,@+@
@ C,G A +B@ ;<+B B@ ?-D@CA JJ ?J-C+@D
A+- .@A@C , OC + B > @ C-? +B@ 6 !
QPK : ? ((0 < - A '' 0 0 ,:! "/
MS B@, C.@ + C . +@ E@ A. +C->E,@ -?@2 . @ B ? @
- ?G ,- @C D@ U J ,, AD +@ ^f @+a B ? ->+ A. , U@
,> +G @,,- 2 AD B@ A@ @C C@+>CA@D +- +B@ + -A . A 4QKN
: 8 C 0 L :>A@ A ?$ $- C$* 8 3 ! (2 B@G
E D C ..@D ->+ +B@ -C@ +-J? + +>DD A. , E--? +- ->+
-C + ;KNP * c ,& C& - ;NL 8: ? (7 C?C S+ ->+2
B@ ->+@D R&R7 *! ' &!! OK !J-A.@
+> ,,G -E, .@D +- ->+ ->+ - +B@ C--? +- -A @ , E
C E,@ ?> ,@ 4K=Q 0 6 ((?) C$* ! @C 2
A" +B" %>AA,@ 2 +>2 ->,D @AD +B@ A A@ U--+ A +- +B@
E C C--? +B +B@ C E AA@C 4KPM V' , . 1&, . $ 0
3 C 8O C+,@++ SKM-(7 B@A B@ .-@ U@ + A E->+2 E>G A.
. -) A E> A@ B->C I&&(O ! * 2 1@C E D

?@ E@++@C DC-J +B + S@ AD --+ C->AD .@++ A. +B@ +C A.@C
-?@ EC@ U + ;K< $ ((OQ 5@E O== ; " @ --+
- , U@ C EE + A +B@ -JJ- +@ D C@ + -A ;K<Q .3
C $!. MM A ..@C ? A ?@+ +B@?+ @A+G
? ,@ - 2 AD B@ D +B@G @C@ U--+ A. >J -C - 3
.>AD ' ->A+CG + +B@G ->,D .- ;<N= : 8
,& !0 $ S 6 , LL< 5-C +@C , G .-+ AD - +B@
CC A+' E@ A. DC A ->+ AD -A @A @A 6 G --+@D
! --+2 3 , <
8 Ub +<*(^ ""3 -) a
#A@ B- T --+ " -C .-@ BACC @D,G
@ (R (= G 1 0 ' ! $P T - C>A , U@ --+@C2
0 @ @CG A ?E,G U ?!$, . 2 ($ (!@J+ LMQ O 7 @ D-
A-+ >C @ +B@ B C?,@ ! S-A B@ C , A. +B@ - + -
A+C ? -A ? , C 2 @ ,, B ? T ! --+@C] A-+B A. -C @
/ ! AD '& 0 GC A.@2 I> C+
;KO< A 0 (& (SKK A #
!0 0 ^&@CB D @C@A+ 1 ,&&! D ,2
-C? - %-> 0 a ?J,@ J,->.B +B A.,@
B AD,@ > @D -C ? CU A. >CC- 2 ? U A. DC ,, 2
EC@ U A. >J +B@ - , A >CC- -C E@+ @@A C- -
J, A+
*((0 &- - &' ,0 8 KMN(=;=2 ,--E> B@,
- -++-A @@D @C@ +>CA@D >AD@C +B OC -,@G J,- 2 -,Y
,- @D A +B@ ?@ >CC- EG --+@C2 EC@ U A. +B@ - ,
S -C @ @A A B@ ;K<)) $! & ! ;= / @ KMQ O
+B@C@ A- JC-J@C >E - , J,->.B2 +B@A C>A --+@C A
+B@ >CC- ;<) - (A. A@@C A. !>JJ, < >. ;K< L
--A +B@ +-E - J, A+ C@ C?,G @+2 T --+@C "
C>A E@+ @@A +B@ C- 2 B B +BC- >J , + E-++-?
>CC-
8 UJJ(0 , - 8@CC-A@-> ,G(MJ -C
-MJ ^# ,&*(, &* f # " ,&* (CC) ? 2
-.A C # " ,&* 8 A@>+ (J-@+CG2 + -A 8T -?
?@A+A ?''(2 J-C+2 *@ +2 D@C -A 8T AD EC >?''(2 #
&* C , A.2 ?- U A. @@ ! - 5 C ,a A #,D
A., B J-@+ -C ? A +C@
? &2)!% ! -J B ,>? A. B D-C -A "@-C-+@ ,KKK
: !H.6) ? 5 .(S, e # ?@C> @ .-D I@-J ,S -.
OOQNP ! -J@ _V) >A.@A -) >C@ E A U A.@A 4K=K
$ &! E E\ @ B@ CD -J BAD B CJ@C A.
%)+ a 4KKQ = . ' & (& 0) ''' .$' > $ 0
$! K B@ C@ + + -A - +B@ W MJ AD .,@@? A S!.
$!" ' ((;O B@ ! MJ AD +B@ .,@@? A
@C@ JC- @ -A , J@C -A
! --J2 ! $ $ $ 1 : ! $ $ $ $
) .$ X ' 0 KO$ 1*$(/
2 $,&* 1 / / J ! ! $L
! ! 2 ! /
: ! 8$
S!J@ : &'& (*) - ' ! 4N< ,&*$0 B
+@C?2 B B > @D EG !@EC AU +- D@A-+@ A-+B@C J C+2 +-
B B B @ . @A + D ? A>+ @ ^ ,& !$" A ?@2
B @ D-J+@D +- .A G +B@ +B U - + - B C B B @SY
+@CA ,,G - @C +B@ J- +@C -C + E @ - ? AG- +B@ @ A @ + 2
EG ?@ A - B B +B@G JC-E E,G 7 > B +B@ J-,,@A C-? +B@
,- @C 2 9 8) ' & (!$ %0 ' , OMN
B@ -+B@C A +C> ?@A+ -A + - E>AD,@ I B C 2 B@A @
+B@G B @ E@@A +@C ?@D +B@ -J -C -J>, EG 3 C 9 CEG2
T, EC- @ EG +B@ 5C@A B2 AD B B @ ? G ,, +B@ J-,,@A
EC> B@
8 UA- J C A(, - A@ ^ ! --
P'+ 8 i -$L D >C@+ JC A J,@ ->AD A +B@
-??-A EC--?
;KPN B A C.0!0 $' 0% 4 = O B @CG ?Y
J>C@ *@,,G -A +@D B @ ,G - CG + ,, A@G@,,- -,->C A.
? ++@C 8 -J C A@(KM = B ! - (- 0(0 8@D (
= # ! -J AA
J 8 UCCJ@ C (2 ^ ? -D ,&3
* (0 ,&*$ @@ 1 AD 0 - % , +@
*$) @@J@C a OC--? B J@D2 -J
-C? A C@ @A+ J +
T) Y = ./ J 3)
J! 'C +) ^6 @ - ? -D J@ A ?@ @@ E@Y
,- a 5B C? -J-@ , A ?@ -C +B@ +-J - +B@
-??-A EC--? 2 *$) - ,&*$ \ ' -C ")
= $ & $- ') >+ ,&*$) 0
$ >$) $ 0 0 8@D L(=S; / >C@+ / . + ,
! I> ,, ! -J C >? ^@+ a 4KQP " % 5 ' . $* 0 8;KQ<(
=K ! -J C > ? - + @ @A+ BGD ? .-.>@ D >C@+
8 U:>'J) +(2 $(' 0 ^ D ? -D
,&*$ 3) (,&*$ $ " ;/L) " $.
SK M : \ 1 ' & - &!0 S, L=Q ! -J +@ 4 ,&C$ $+(
7 B@A + ^+B@ + E a I> +@ - @C@D +B EC> B - B C
+B B B + EC> B@ - +B@ .C- J-,,@J2 AD A B B +
CC @ +
i / : 1 0 $ 0 A = --JJ@ ^$ @Y
, +@D +- $ Z a ,@ J -C U J
;L !! 0 PQQQ B- BG @ .B@ +B + -,U2 G 2 " G
J,> ? +@A D->A@2 D-JJ@2 A +B@ +@C $ -A -JJ@ ;MK!
(2 - &) "' ;;; S S 8$ -SE (;K= ; ! -J - A B-C @2
+B@ D + A @ - B +C@ + J-A +B@ .C->AD C-? +B@ -C@
@@+@ +- +B@ B AD@C @@+@2 A B >,, J@@D
8 UDdJ(2 10 , - M --J@2 U- J@2 M Q
U-J@ ,0 --J ^ D + ,&*& ?2 J>CJ- @2 D
C $'& ? CU -C B--+ A. +2 ?2 F "'
E, >+ C A+ - +C @ C 2 Vg $\$ +- ,--U ->+ a
j ? CU -C B--+ A. -C ? A. + %B @ ,G
A .>C + @ -A+@S+2 AD +@AD A. +- - A D@ +B
@A @ O -C L 1 0
* 0 V . 0) (8!J ,D A. # >E(= !@ A. , -
+B@ B >, C J+>C@ - -D +- +@AD AD E-+@ + +B -J@
AD AbCU ;PQ< 1 0 $ 0 - ;PP # , JJ@C
) ?@A2 +B + A U@ AD @ +@ -C A->.A+2
) v B--+ A. D@2 D-@ ? @ +B@ ? CU@D -J@2 $ SM-
& (8;M;<(O= B@ AA@C ? U@ A
S C 3 ? CU@ +B + @+ E@ -C@ B ?
K%>+ = . 0 ' 0 "0 7 U ;KP; OOL B@ ! S-A

AA , +2 C>A -A >DD@A A+- > B @S+C . A+ A @
AD ?@+ JB-C 2 E C@ B ? I> +@ E@ D@ +B@ -J@ - E@ A.
>AD@C +- 3 4MQL 9 .) ,0) =< 5C-? A+ -
> B -J@ -C ? CU@ + -?@ +B + ? - + ?@A B--+ >AD@C2
@ ?J,-G +B@ C ? AD A , ++,@ EG E> A@ @ 4MQQ < . (
< ' ! ;QN B +B@ JC ? CG @AD - ->C , @2 >A+-
B B , ->C + -A ->.B+ +- -,6 ?@2 CC- +- +B@ C
-J@ 4MKL /2 . 0 &' P= " @ B ,, E@ -J@ +-
@A G A ,, >+>C@ + ?@
+ :* B@ .- , -C +@C ? A , J- A+ - C @2
*->CA@G2 @+ 1 ($ (
, SMXX %" + !E & SS LN; " @ E@++@C U ,D2 +B + C>,@
-C @ B-C @2 ,, ,, IE @C> A @ E@AD $ .B+ -A +B@ -J@
+ ,, - $ @ ^) L >, C@J "MJ- V a $ S) - 2
& 0 8XM) (;KO @CG +@J ? A + U@ +@AD +- -?@ -J@
-C -+B@C + -C 7 @ + -C -C+B -C ! ->+B
/ ! -?@+B A. ?@D + -C D@ C@D -?@+B A.
B B -A@ B@ +- @ @ + -C ++ A A @AD A
@ A -E*@ +2 J>CJ- @2 ? - $ (
,O / @ ' 1 .) & , '(5 8% ?D@A(OO< B@
@ @A+B %->A @,` - % C+B .@ AD +B@ 3 ,@ + , @ %->A @,,2
B B E-+B +@AD +- -A@ @AD AD -J@2 +B + +B@C@ B->,D
E@ A- JJ@,, + -A ? D@ ->+ - , C U@ +C < - ') *
'$ = S +B@C@ E@ LNN -J@ -C @AD@ - +B@ @ - +B@
J C+@ - +B@ B-D+@ ;) = (C " &) ' , ! ,& (,,+ D=P
" 3 *@ + @ BZ +E-@A+ + ? + + -A @A @A+ +- ? U ? A @ +
+B@ -->C AD - 3 - +B@ D A.@C-> AD AD C@ + D@ , A.
JC@+@AD + SM-M 9 !1 0 ' 0 5 0 S@ 8SM O(LKL
? -C+ ,, 3 A2 A >,, G@2 -C -C @C +B@ &-J@2 1->C
%-GA@ - ,, B &C + @ AD &@D, C @ +B@ -) SM
= . ' ,0 $ 2 3 , 0 MN A@ E@ A. +B@ -J@ -
,, ?@C B A+ ;MM< . &' '0 2 5 * (8;MKO(<P
A@ - +B@ -J@D JC-J- 'D +- ? G @, A +B @S) C) A+
+- D - @C ^@+ a 4MQ4 = . C 0 (=<= +B G
-? A. B +B@C2 +B->.B UA- +BG -J@2 E D A-+ -C 8 7 E D
4QL4 8 6 '' $ & % 2 % =<< , 2 J--C / @ A" B
-A,G ! -J@ 7 +- E@ B@,D 3 A+BC-J@ X*CLM .
,(7 U ;KQ` =OO &, +- @ @A ? A+ A C@, .)
+- E@ +B@ B @ A -J@ - B> ? A , @ S(# (
" &E ;Q; C>+B +B@ -J@2 + B B +B@G ?@D2
S) 3 (. 1 , &!$ < * "' S 2 # @ >A, U@ +- ->C H
7 B- ,> +> +@ D,G +B->+ +@C ? -C -J@ ;KM< = U.
' (0 - (8;KQM(K B@ @ -?@+ @ B @ + - D, 3 A +
-J@ AD @AD
++V J@C -A B- A -E*@ + - D@ C@ -C
J>C >+ (
;P<N 1 C(A(+ PO " @ >C @D A .B+2 +B + C@ +
C-? B ? D .--D,G -J@ ;P<= 0 $ C ((
,$ (+- >-D2 B- +B@ -CA2 B B @ D@bC@ \ B ,
-A@ D G ++ A@ A+- SM = : 3 SSS S2 # ?G
D@ C@ B-> C+ +B@ -A,G -J@ ;QNQ +C . 0
> '& 4; 979 O@ A. ?J + @A+ +- @@ +B@ &C A @! 2 B-
+B@ -A,G ! -J@ - B+ B-J@ AD D@ C@
i $ & ,& +- +B@ J>CJ- @ 1 (
5 &B - &'' . QO -A @G>'D2 +- -J@2
D / @.C@@ - @S @,,@A @ +- E@ ? @D + 1 (
;) = . 36 . !!) 0 A+C-D =E2 3 >! U E +B
E@@A +B@ +>DG- 3 ,, -A - 3 @A -C ? AG +B-> AD G@ C 2
G@+ A-A@ @ @C ++ A@D +B@ >,, -J@ AD J@C @ D-A +B@C@-
B@ -E*@+) B B C +@C -C J@ U@C B A
@ 2 +B + B B B@ B@ +- @SJC@ -C @A -C @
+B@ ? A J>CJ- @2 A+@A+ -A2 -C D + - C +@C2
E--U2 @+ +B @ >E*@ +2 +B@?@2 C.>?@A+ B- @A
-C +C@ +?@A+ - $ M @A @ 9 E
$/J% E ,, 0 (!@C ? O= B@
-J@ AD @ @ +@ - E-+B ?G @C?-A +-D@ A +BC@@ +BGA.
S) - 0 %0 2 0 8 CE (;L= ' $ 00
B@ -J@ -C + +@ - +B@ E-U@2 +@AD@ +- DG > D@ +B@ U A.@
C-? BG >JC@?G G@ ;PP] - 0 *) $ 0) ' $"
8;PK=(LOL >@CG J C E,@ B +B ,) - $) - (@C
+ GA@ -J@2 + @A->.B -C B@A @ B >@ +B@ ?@ A A.
- +B@ JC A J ,` -J@2 AD ?-C@ A@@D@+B A-+ +) S $
< ? &'% (. LI D *2 # >+ - +B@ B-,@ -J@
AD DC + - +B@ Ja @2 + @> D@A+ +- E@ J-U@A -A@,G @
+B@ J- +,@ +4) S " - 0 8;PN=(;OQ B@ -J@
- +B@ > J.@,* + +B 5 C +2 +B + %BC + -) A-+
B AD@C B D- +A-- -C ? -+B@C2 -C EC@+BC@A2 -C AG UE ? A
SM . ' ((S 8;8) OQ(;PQ - -A D@C @ , +B@
-J@ AD D - +B@ >+B ? ;MSQ = 3 WTF) A
? +B@ -J@ - (G B + EG +B ->C @ +B@ .--D
E@ -?@ E@ +2 +B@ E D JC- @ -C + OSQNL B '
0 0 3 CU S " K B@ D@ .A AD -J@ - +B@ J C E,@2
+- D - @C +- +B@ :@ +B@ C -E + A +@ ?J@A +@A G >AD@C
,, +B@ ?@ A - .C @ 4QN< 44 1 0 0 ;ON 9A-
@,, @ B A @A+ JC-J@C B C +@C " E,@2 >E*@ +2
-J@ A @ 'CG J .@ 4QQM # .) ,0 &"0
,$ 0)%__ . LOO + B E@@A +B@ ? A -J@ + D JC AY
J , @AD - +B D ->C @ +- D@ ? -A +C +@ ^@+ a +!MM
- . ' ,(& L < (S OOQ A + -J@ AD
>E + A @ +B@ C.>?@A+ - / @? - +B@A@ ? G E@ -?J C@D
^@+ a
E B@ A+@A+ -A -C +@AD@A G - ' , +B@ DC +
-C ?@ A A. - JC-J- ,
;M=Q 1 77 ' $ (? ;PP - --A@C D D
@A@C , + ,@ B +J @, ? +B@ -J@ - +B@ @ # @C+-A@
C-? +B@ &C A # AD +B@ -CD -C A. E>+ ^@+ a
.. $' ') (LO -CD A. +- +B- @ J, A &C@Y
@J+ - +B@ - JC B B A @C +B@ !J C + AD ! -J@ -
+B@ ;M<M . - 0 % 0 = $;= B@
-J@ AD +@AD@A G - +B@ + @, , G ? A@ ,D
@ @CG ? A D A+ .@
+ J@C -A B- >E*@ + -C +B@?@ - D Y
->C @2 8% K E (1 (
L% 8;KL<(;L= ,, B B B D C@ J@ + >A+-
+B@ 3 @ 2 +B@ -J@ - ,, +B@ JC-JB@+ 2 AD +B@ -?Y
J,@ ?@A+ - +B@ C JC-JB@ @)
! (J,.A -C ?@+B-D - +C@ +?@A+
3 # ;N2 E 1 (
+W<N B7 C " ,. S 8;P<M(L;O OG +B
+ J, ?@ G-> B ,, @CG @,, -?J, B +B@ @ -AD AY
+@A+ -A -C -J@ - >D) B@CJ@ 2 SD . " $+ '$ 0 % (
&C@ E +@C CD , - @C@ @+ D- A@ D?@C @ -J@
AD AD + -A C@I> +@ -C +B@ >C@ - +B@ D @ @2 S)
C$ %) (S S+ 8;MQK(=O B@

& , + @ >C@ - +B + ->+ J@C -C?@D EG ->C -J@
% . 8) 5 (OL) AD@+S @) ?-CE-C>?
?D + -2 I> D@?-A +C +>C2 I> D + @AD>? ,A.6a
-J@

M !U ,, A ? A. 1 ($ 0 E B@
C A.@ - ? ,@ @ J-A , -% T % K

CSP) ' . . & '0 MP " @ UA@ @ +B + B@
A@+B@C C@@ C-? D D A A-C G@+ D@, >@C@D C-? +B@ -J@
- ? , @ 4P<= ' V * (0 $5) A B-? 0 ' 0
C & &-08 K !(" L<Q 7 +B .C@ + -J@ +BC- A. B
* >A @ -C CD *> + >J-A +B@ >CU @ L .
$2 E K. 2 3 G A C? +G2 ,@D ?@ +- @++,@ + E>++ C
E@G-AD +B@ -J@ - +B@ JC A. +B + +B->.B+ +- E@ A
?G E-

M B@ D + A @ +- B B +B@ ? AD C@ B@ A +
-CU A. -C J>CJ- @ C@ B -C C A.@ - ?@A+ ,
+ +G @S+@A+ - @ 2 ->+,--U2 -C >C @G

SM-- & ' '0 SS S Q (@ ?A. +B 2? A C+2 AD
+B + ? A U-J@ 2 c__b = -0 < $"P B) J J@C
,, @C+ A2A-+ -A,G +B@ -J@ AD +>CA - +E@B .@A > 2
E>+ - +B@ C +@?J@C 4KNQ K 9) 8 & > PQ
7 +B B@ - + ,, E-,D@C -J@ #A G-> @ ,--U2 +B
D@ C@ + B-J@ c <M $' &- ,& !0 &0 & S) =N=
"@ ? A - @CG , ? +@D -J@ - ? AD 4KPN "C
3 $ > C,&, 5(8;KQQ(" ONP - -A@ D->E+@D
B J +C -+ ? +B@ I>@ + -A - + -J@ AD @A, .B+@A
?@A) SKM4 B . !O(=M A +B@ JC-.C@ -
, X + -A+ +BB -J@ - +B@ A+@,,@ + D@A@D + B-C X-A
@A, C.@D SK+@ 3)) $ ") ! "SSS S2 "@C
A+@,,@ + 7 C +B@C , ? +@D A + -J@

E B@ JB@C@ -C C@ - @C B B AG + +G
-J@C +@ -C @ @ + @ C A.@ - JJ, +EA #C -
>E*@ + @?EC @D +B@ C@ B - +@AD@A G - A
C.>?@A+2 @+ +B@ @,D - @C@D EG EC A B -
UA- ,@D.@) A AI> CG2 -A @J+2 @+

c <R ' .) 0 $ 0 C !0 LNP U@ J C+ >, C
+B@-C@? A .@-?@+CG2 B B B @ +B@ C @ @) -J@
AD C A.@ - @S+@A @ JJ, + -A %]] " " 9 .
? 0 ' $, O)Q A CC A.@?@A+ - 6 -C@)D@
, E@C +@ AD -?JC@B@A @ -J@ + +B@ ?@ + ?@
D-J+@D % bb)! .LLL 2 AD +@ B B-
.C@ + ->C +C@ D>C) " - .C@ + , + -A' -J@ SKWQ
< .) <! $'0 0 =Q "@ ? G > @> - A J +G
@ @A +- ?@ >C@ +B@ -J@ - ->C - A .>?@A+ S) =
< & 0 e = 8;KKO(LN= C+2 + ,- + ?> B A
J>C +G AD JC-JC @+G2 . A) A -J@ X &' 0
0 S > PL B@ D@, E@C + -A - +B@ J C, ?@A+ ,Y
?- + ??@D +@,G +--U ?> B D@C -J@ ?&&. - $'
+ OP O B B +-CG2 A-+D ? , C A -J@ +- OC .B+)
@,BUA- A " +-CG - A., AD
: *% 2 ' "1 "&' H &* 0

SMMS < . 3 . . $ 0 & -0 S ;NQ @CG)>A. +B +
,, +B A +B@ -*(@ - ->C @AI> CG ;Q) B
8;K= (;NP B A. 2 AD@@D2 B @ ,C) DG B JJ@A@D -
?> B E@G-AD +B@ -J@ - ,, J@ >, + -A SK K %
A < $ 0 *0 8;KLP(MI B@G D D " -+ -?@
C@.>, C,G +B A +B@ -J@ - ? , + CG D J + B W b]
%) " $' < ' ;; S 2^" @a --A +B + +B@ I>@ Y
+ -A @C@ +B A B -J@2 AD +B + B@ ->,D A @C ?)%
- +B@? SK) ' 8 0 = 0 & 1.0 8;KQ;(,,
O=N 7 @ @C@ E- @ +B@ -J@ - ? AG - +B@ B- @CG ,J>D
+B + B >A+ B ,B ->A+CG SKMK 3 ,$ 0 0
;O; A B +-C , @AI> CG A+- B + #S -CD E@G-AD
+B@ -J@ - +B ?@?-C c] $ & - *0 LMQ O
+ +B@ + ?@ - +B@ D@A+2 3 --C@ ,@ C,G A-+ + A.
+B A +B@ -J@ - B @?J,-G?@A+
+ D & $,&* &%H +- + U@ +B@
C .B+ @ - 1 0

;PML KL - L # " SKMS 7 @,, GD@ +B@ U A.2
@,, J@C @,>@ +B + G-> B >@ +B@ C .B+ SVJ@- +B ? ++@C
2 $--? -C @S@C @2 -JJ >+>A +G -C , E@C+G +-
+ C@@ ->C @ -C J, G # +@> A JBC @ 2
,&* 4 & J@C -A -C +B A . (& $ -C $. 0 ,&* 0
, - -,,- @D EG D@ A A. A 2 -C EG%& 0

' F , OM '0 9 2 ;L 8e S(- .C@ + -J@ -
AC@ -A E,@ , E@C+ @ B->,D E@ . >@A +- ,, BU +D@ AD
+C +@C-> B C+@ 4PPL 9 . 0 ;Q 7 B@+@ A @
? .B+ + U@ , C.@ -J@ @ ->,D >,,G J@ U@ &% ,,
+BGC .@ +B + C@ -?JC@B@AD@D AD@C B-A@ +@ ;PMQ - R
$ 0 ,0 4L<N2 B@ D ?@ - 3G,, A B >@ ?-C@
U- J@ - 6 +@C+ @ +B@A +B@ C@ +@ - +B@ D @ A AG J C+
A + , ;PQM 9 B 0 & 0 ' " A
%-6 A 0 $ 8;Q=M(;=Q O@ > @ -7 . @ C@@
! -J@ +- ,, 3 @A +- >++@C +B@ C #J A -A -A @CA A. ?G
O@B -> M-S ") !0 0 S-K O@ A.CG B@A
G-> ,,2 + D ,, B >@ -J@ SM- 7 ! & ' - !. " <<
>@ A-+ > B C>@6 -J@ A+- G->C B C+ SMS- : R
") *0 *$ $ 0 B 7 +B +B@ C+C A @AD@A+ *>C* " + -A
A +B@ C 3 - @ ? %B>C B@ m+B@Ga + U@ B) -J@ +BY
->+ ICE2 -C -CD@C SM W -)!$ &' 8 CB (PN<
! - +B + A- +A A A E@ @ C@+2 @S @J+ B@ .,>@ +>? @, @
"++,@ ! -J@ - / ?>, + -A %M]_ .) 0 0
; e J< B J@C -A AD J C+ @C@ > B C@ E@ -C@
?@A+ -A@D2 # B@ . @ +B@? >,, -J@2 +B->+ ?+C A+
SM K = U - 0 $2 ,& (. S+S e ",
84NM<(S- 7 B B ?> B @C +B A +B + +B@G B->,D E@
,,- @D !) 2 +- EC@ U ->+ A+- +B@ 9S+C@ A # @ +B@C
%C>@,+G -C %- CD, A@ ;QMP . & - - (=L
"@C@ +B@ A @C -C ,@. , +>C@ B -J@ AD -JJ-C+>A +G +-
A+@CJ- @ ;QMK ' 0 "&) - 0 $* . @
>,, -J@ +- ?G ? . A + -A ;KN< 0 " - ! 4 4 XKK
#A +B 22 B@ J + B@D -A OC +-,2 B@C@ +B@C@ JJ@ C@D +-
E@ >,, -J@ -C A B-A->C E,@ AD > @ >, C@@C SK
C ! * 2 *2 B@ ?-C@ D @A+>C-> ->AD
-J@ -C +B JC- @ A C)V@ A C ;) M 3
M " 0 $ $ > &' (QO & CB) ## A @ +--
?> B %-??-A @A @2 -? 1-> +6 A-+. +G-6C ? @
-J@
+ E A A + A @ - , E@) -C, @A @ 1 0
S+@. # ' $ 0 & 0 0 ! SLS >C @+ +B@ -+B@C
- ?> B +2 ! - @>@CG ! -J@ EG +B@ ??-D@C +@ @ >C-@
+- C@ +C A+
8 7 +B ?-C@ C@ @C@A @ +- -C ?-
+ -A($--? +- ?- @ A J @ -C C J.@ -C C@@
?- @?@A+ -C + +G 8&EC @ A JC@ @A @(

') ,$ > 8 CE (;ML B@ @ E B@C@ @CG
, C.@2 - +B@ +@C B >@ +B@ C >,, --J@ ;PPW 7 9 "
W = $! $, &' &C@ ' 7 ,U A. + C@@ U-J@ @?-A.
+B@ AD@CGA. E@ +@ - +B@ @,D@ ;P<; 3 . $,)
0 " SS ;OK - B >@ A -J@A J .@ AD C@@ -J@
+- B--+@ ->+ SM-- - 6 L $ & SS S 2 B@A +BC->.B
E E- +2 +B + +--U@ - , C.@ -J@2 "@ C- D SM-- B "
6. &) ' " $ - SS ;;< B@G E@ @CG @C @2 AD A
+B + C@ J@ + +B@G C@ A-+ > +-?@D +- B >@ @ +B@C -?> B
-J@ -C , .B+ -+B@C E,CD@ SM-S $ # V ' (=
& - - 2 0 8;MNLa ;K= A A- J, @ J, A+ ? G + U@ , ++@C -J@
+- JC@ D +B@ C EC A B@ +B@A A +B ->A+C @ SMS
. 7 0 & ! A W < OO< ?C JB@, B- B@,D
O EG,-A + @, @2 @@?@+B + +B + ?@ +- B >@ B D A-
.C@ + -J@ -C , C.@ D-? A -A ;MSP ?& " &%"
LMK B@ B@ + B@A + B +B +-- ?> B -J@ -C C--?+E
@ ,G D J +@D AD A B@+B $ SMXM M # " ') ')
?$ U <) AD +- +B@ C >@ ?@A . >@ > B
A CC- -) +B@G ?@ A+ +- ? U@ +B@? ,U@ -A
C-J@ ;MPL >$F6 " $ $1 $ S, - . @ +B@ -CDA A @
,@ @ +- JB G AD C A.@) +B@ , C.@C -J@ & 0*&)
-)5 & ' ' !) !$!!]0 B 0 0
7 U =NL &>E, U C+>@2 C@ I> C@ E>AD A+ -J@ AD
C--?2 AD AA-+ JC@ D AD .C- >AD@C -A A@?@A+ U
1 . . <) + 1 @+ A+@D A-+ +B@ @G@ C -J@
+- ?> @2 -C + -J@A'D) +B@ AD'C A. +C@ ? 4KQ4
$ . . $)!!) S MQ "@ A ,- @D @,D . @ -J@
- , E@C , @A+CG
S+@A+ A J @2 J -> A@ 8, C.@(J @)
@S+@A+2 +C +2 -C +@

;P<N 1 0 A 0 A S =M !- B>.@ -J@ + C + B ?
@@?@D E@ - E@ +B@ -?J @ - B U A.D-?@ @ +
SM-- 5 S & - -0 <L B@G ->,D +B@ C +B@C ++@AD
+B@ .C- A. - +B@ + D@ +B + +B@ -J@ - +B@ AD ? .B+
E@ ,@ J -> AD @C @ E,@ -C B-C ?@A SM-S
0 A !J@DD A. % 8SKM) LM< B@ , AD . --D , AD2
AD @,, ->A+@A A @ EG) -J@ - C@ 2 --D AD C-G ,Y
+@ U I . 0 * . [0 ML # D ? A+ B +
? .B+G C@ @C 3C +W !%#,V@ @ >C@ 3 .B+ C@@A A G
;<N= . 8 C 0 <) & &' .0 P< B@ ?--C?@A
? G B AD D . +>C >D > @ +B@ A A +@ -J@ -C J +>CY
A. +B@ C ++,@
3 +C + 8- , AD(@ J J @ @ - , AD E@Y
,-A. A. +- A AD D> , -7A@C ' !&3 0 1 0

;PM< , ! O0 8 M +(LSL B@ B-,@ -C+B - C@, AD
B@C@ A B@ B D -J@ - B>ADC@D AD + @A+ @ ? ,@
,-A.2 AD B>ADC@D AD -DD ? ,@ BC- D@ +- C>AA@ AD
C--?@ B ? @, ;PQQ (S B , 0 !0 ;; A
&! ' B@ J C- B@ ?@ C@D C-? +B@ %C A@ +,@2
+- +B@ B ?E,@ 2 ,,@D +B@ %% U@B , +B &C@ +-A BG AA@ 2
AD +B@ , A@ +B@C@+- D - CA A) B B -J@ A- A +@D
+- \ ,-BA BG J C- B@ SMS B 3 " !$' @+ ;LL
B@ ! -J@ - AD B B @C- .C >A+@D +- +B@ C + D-@A
+>C@C @C@ +-- ,)>.@ 6 ' &'> $ "8;KOK(=QN)
L B +B@ B D .-++@A) >? - ?-A@G A -J@ - , AD2
EG C >D H BC 2 W C& 0 (0= 9 , S !BX>, A-+ ?> B
?-C@ + ?@ B@ J C@D +B@G % --- ?@Aa , @D ,, >J-A
B-> AD C@ 2 +B? +B@G @C@ -C @D +- , @ >J-A +@A
+ ?@ , C.@ ! -J@ - AD $ 9 . 0
8;M<O(;M= B@ %X C' DE,@ JBG D A -A C?@D +- ? @ +B +
A +B@ G@ C ;MM=2 -C MP2 @S+C - D A CG DCG AD .C@ + -J@
- , AD @C@ @+ -A C@2 AD ? @C E,G +@D EG +B@ .C@ +
B@ + - +B@ >A
$ 0 B@ ,@A. +B - E,@ + B B B J
C D@ B@A + A B-C , - ' 3 ,&* 0

;M<Q / 3&C@$ &"0 B -E, .@D > +- ,@+ . - ->C
!B@@+ A B-C2 @@C A. ->+ . --D -J@ - % E,@ ;Q M
.3 &"0 &) ' & !) P " A. ->CG >, A +- 2
AD B A. E>+ B-C+ -J@ - E- + C-J@ -C B@C 4K=4
$ D A. -J@ 8 @@) 1!0 10 Qa SKMK $ (' , " ,!0
M<; + ,-A. -J@2 $ -D . ? "m A B-CaDC . . @D Q @@+ K A B@
SKK $2 ' 0 4 ,, PL +- B B E@ A.
+- @D +B ,-A. ,&* - B) S EG A .B+ ;K<L2 .
B . . $ &1! <K 7 ,,2 + D@ +- B-C+ -J@
! B-C+ -C ' +1 1 0 $ G 0

;MNL O J B$ ') 2 % + A. +B@ ! -J@ - ?@A
+ > + @
+ ! - J @ 2 QV 1 0 , - =2 B - J2 = , - J@
^ # .&*$ 8 A JBC .&*$. +- + U@ C>A(
3 ! 2 -C .&*$ +% U J2 ,@ J % ! --J b a
' 0 - ,@ J2 U J A , +@C > @ -A,G - B-C @
;L) & 0 .-!- 8 -++ (&@ JC-JB@ E A ,D
> 2 E + D V@ B ,+ >,I -J@ , ;=NN '1 0 -Ja C
1 0 OLPM< 3 A +E A.@ ? @ D-2 J + -C+- D- C "++@,
C-2 , -C+- B-J@ AD -C+- C ?F>@A + C E@++@C -C +-
E, A ;=KL $ 0 ' LOL O - ! -J@2 1 +- CGAA@ -C
,@J@ 9 & & , " * (0 &!A , > * E2 1 @+ +B +B@C
CD@ >C@D,G@ ? G E C+@C ?D ?GAD@ B@A+@ AD
B>CA@) AD E>CA@ +- E+ W+- +B E-AD@ B B D-@ A ,- @
+ - B + + A@ A & -J@ EC-D@ B@C@ + ->,D@
., D,G .-@ 4PQO $ 0 C& - %& - (SSS ;=N 7 @C
A-+ +B C +B A. +B + ? U) $/ ,@ A B-J@ + , E@C+ @ +- @
+B G->A -J@2 F A@ D G +- $-C@ AD $? J J-A B
E U = & $!0 O B + G->C 3 C@ AD %-,+
? G A-+ E@@ +BC-A. 'D J2 7 A+ A. , E@C+ @ +- -J@ AD
C>AA@ J AD D- A@ + J,@ >C@ 1 0 P B + 5-?@ ? G
EG -J A. -C . ,,-J A. AD D- A@ +B@ B ,,2 -?@ +-
>C@A@ - AD@2 AD ??E,@A@ - E-D @)
4 & - * 0 & -0 L C->AD C@ @CG JC- + E,@ -C
G->C -,+ +- -J@2 C>A2 AD J, G
$ ' 0 - ? U@ 8 B-C @(,@ J -C @S@C @
U = $ ((O< B@A G-> B ,, . ,,-J AD
-J@ B ?. @A+,G J AD D- A +- U@@J B ? C?@ SMKK
' . - &) " ;;; S,S 8$-SE (;K= O @C?@ > @D E->+
DC@ A. AD @@ A. - B-C @ ! -J -C C@ B ?
+ ! - J @ 2 b' 1 0 $ 0 ^ 1 10 c]
' 0 - ? $ 8 @ I>-+ ('&', 3) 0

R & ' 8 ?! '0 &) S OMQ AD +B@ -CD
H$V2 59 '% O & (SKa B@C@ C@ADC@D =!&&.+(0 &H A-+
?J-C+2 + U A. A-+ @2 -C @A+ A. -A@,G2 +B + +B@C@
> B +B A. 2B>+ D@C .A,A. -C * ' + +B@?^ B B
+B@ @CG -CD(+B A # C-JC ++ @@G@
/ $ ' 0 @ - , >, +@ +B@ -J@ -C C A.@ -
!" 8 &!) -10# MNK A -,A+! -J@D +B@ B-,@
C AD ?@ >C@D @,, +B@ -@
! -J@ 2 -E -C? - (10

4PQK 0 $ ' ; ;M A +B@ B@ D AD -J@ -
+B@ >,, C@ G@+ D >@C @ AD >ADCG , ++,@ &@C , 3 -A
/ ! $ $ 10 0
/ / ! $ $ $ $
$;=NN PN ! 5$ ' L<;P AD ? AG -J D A '@ -.B@
+B->+ +B ? C@
\ = O 3 ,&*) -
) $, $ $,&) / (. : $
8 $ / !2
, / 2 1 I
3 !
2 3 1 (! 3
$) & ,&* " 1$ & ,&* " ,. &'& ,&* ("'$-& ,&* "
" & ,&* !& ,&* " !$ "' & ,&* " &* .$!-& ,&* "
* & & ,&* " $)> $ $ 3 ,&* 0($ 3 ,&* &($.
' * 0 9 ' . C& ? E % 0 ;OL2 B-J@ G->
-A'+ ,- @ AG J + @A+ EG ? G ? U A. , ++,@ >A - G->C
?@+@C AD -J@
! / ! $) 3 . 3 $,$$
= = /$0 1 0 " $ >, K$ $
1 PSO$L 3 $

;P<K -. ! -* " ?J,@2 , C.\ -J@ >,, ;MNL]
&' $ ' ;; S L;P A. +B@? +, + @C@ D J- @D +-
?- U + B ?2 J,@ A+ AD -J@ >,, - -A +- D-@ +
SMA %- %$ 2 - * ! (00, C.@2 -J@ >,,2 J ->
$`9 N .3 C&) - (&' '0 7 U 8 C- C+(
OOO ; ! B C->AD E@,@ .>@C'D EG C->.B @J+>A@' ,@. -A
7 +B A +B@ +C +@ A--U@ - +B A CC- , @ B@ A-E,@ +
-,>?@ - ->C >,. C +G,@ % AA-+ @ J@ >A+- ?-C@ -J@
,, $@. -A
+ ! #'J@, !@# JJ,@ $ "0 1 0 ^ -AY
+C + -A - ! -JJ O a ' @+-A T 11 . J
4QLQ $ " - * ' 4;hRh+ LLQ ! -J@, -C
C->AD &@ @ - @ +B@C +B " -,@ ;;; +B@ 3 DD,@2 + J'D
C->AD +B - 2 C@ +B@ ?- + + AD JC-J@C A +B@ @ % @
1 0 B@G A -A,G E,@@D "-C)DC ! -,@2 J>+
A $- @, -C ! -JJ,@2 >+ -C +B@ ?J@C
) @ = ?./$0 K$ $ 10 1* .
$ 3 D !5)Y 1 0+0
!$ - 2$
SM 3 1 = - *$ ') 8;MMQ(K;
7 B B -J@,@ D@ C@ - @ C B A. A+- +B A. @S@?J+
C-? B>? A@ AI> + -A2 +B + B B C@AD@C %>C - +G
%C ? A , SKMM : " (8 < &') e AD DC-J C-?
->+ +B >A @C , C ?@ A+- +B + B J@,@ 2 -J@,@ 2E, AU
EG) B + >++@C A-+B)A@ 2 - B B ?@ SKK
&, " h # + OO O 3C " !-+B@CA +@D @,, A +B@
-J@ @ B C +@C - +B@ ! I> C@' -A
J) ?Y= .$ K $ c$,&* ! 3-(
O +O * 4 ' , &* ,&* ! 50
5 1$ #) \ < . "'&* 5 0 - ' OQ<
5 ? ,G 4] ! -J@+ D @ 8 B@)6D (. "
$ 10 ' - $! O<Q ? -A. +B@ E@++?C UA- A E-AG
B> C@ +B@ -J@, D
) .$ K= O ,&* 3
! T) =. H * . % $ C+
/0"= ;) ! @+ - (\ $ 0 (8S& (
O ;=< ! -J@BD A
S) \ 5 ./]$ K $ c$
) " . % $
A -?@ C@ @A+ / @+
) ./ 10 $0 N&&!0 K $
5O E E$L ' $ 10 ' 2
,&* !) $9
X =O A DD + -A +- +B@ C G@D D-C , A2
? ?G 3 , -J+ CG.6A B@) !+D?-A-CD G ? AG
m),>C?D 2 ! -?,- D 2 @+ (B @ A-+B@C +)@) +@C -C ,@ @C
@S+@A+2 " 9)8) <) & ! * ! ? 0
) 0 ;;# "@CC A. 2 ! -J@,- D 2 @+ 2 8Sb>C E>AD A+,G A
- + -A +B +B@ @
J$ $:0 O ,&* ! & 0
)@ @A+ / @+
6) = .$ N&&!0 K OD I
) 1 $ &* + % % !2
> 3 /1 3 2 = 0 !1mk / ,
1 =D , $1 / 1 3 /
$ 2 $g G 2
2 ,&* ! J CF
;K=N) > ' -0 V ' 0 LON ,&* !) (B @ +B@ . J@
AD +B@ . ,, -J@A A. @CG D@@J KK- F; 0#(PKP
! ?@ J@ @ A@ @C C @ +- +B@ >C @ AD@@D2 ! -J@, B @
E@@A EC->.B+ >J A +B@ DC@D.@ C-? , ?- + AG D@J+B +-
O) +B-?
J / ! $,$$ <
+ $ 1 ($ 0 K $ O ,&* '
O/ 1 '
J)E > .$L) " $.
' 0 = * " ' & % , OQ B@ ! -J@+ A@ -C !
,> +-C -CD@C B@ G@ C@ +@C %BC +@! EGC+B 3 ,S
DGD +EG -CD@C E@.GAA@ EG @C+ GA@ J C +> ,, +B@C -
C + > + A -CD@C
* $ 6 / 6 *2 $$,-'
+! - J '@C-> 2AC 1 0 $9 0 0 ,&*O% 4%0
0 *3$! -& i % E@ C A.(i -> a 8!@@ I>-+(

% L $ 0 V @ < F
, *3$ 6 I9 ; " IJU - 9%% >$ ' - D
% " * 66'- %
`h" [@ % " ! -0 '0 8@D O(; OQK^[-,G+@, + +@S+>C@
@ +B@C +@, -C? -C -J+ -C? ;KPO) (;NL=
# +B@+ - @+ -C? JC- @ @ 2 -A@ *- @,G 6 +@2 ?D +B@
F+B@C B B-C+ -J -C? @S+C@? +G
7$ 6 b J -&$ 0" 6 % %
OKN= # " 0 '0 PK< B@ C C- C +>C@ @SY
B E + -J, -C?,G D @C. A. J@ +

[illegible]

[illegible]

[illegible]

[illegible]

? A' + AD ' B@A' B- - + A . ' + ' + C . @ + Z - C' - A' B B' + B@' - ? J@ + + - C ' + AD' E@ - C@' E) AA A . ' C @

[illegible]

E ' &BC @ ' & & & %%' = ' &%%($ + $ ' , & (

- ' ' B- C @)' + J' ? U@' ' > DD@A' D B' + ' , ' J@@D'

J@ + > - > ' J@@ B' - C' + - A' ! - ' & & &%%%) !! ' , & (

[illegible]

A( ) (' C + + @A' - C' JC A + @D' J @ @' - ' - A @C + @D'

? > Z A' B B' , ' + B@' - ' , ' AD' A + C > ? @A + ' , J C + '

C@' A - + @D' - A' ' @C @' - ' + @' - A@' > AD@C' + B@' - + B@C

[illegible]

! ' ' , A@' + B + ' C - @' - > + ' - C' A @, ' - ? @ + B A .

[illegible]

2' C $ ' 0 j' ; I

[illegible]

K ' ' > + - C' , BZ ' + B' ' B J

[illegible]

i' ' ' A - + B' > + A' ' + U' - C' + , , GZ > @D' + - ' ? C @'

A > ? E@C ' A' U@@J A . ' - > A + ' , - ' + B@' + , , G' + @ ,

[illegible]

' < $ - 0 $ > $ # 9' 10b$

[illegible]

3' ' C@ - CD' - C' - > A + ' 8 - ' + @ ? ' - ' > A - C ?'

? - > A + ' + - ' E@' B C . @D' - C' C@D + @D(U@J + ' EG' ? @ A '

- ' + , , @ Z - C' 8 A' , + @C' > @(EG' ? @ A ' - ' ? CU ' ? D@'

- A' ' E - CD' 8 + B' B , U(Z - A' ' , + @Z - C' + B@' , U@'

- ' B @ , GZ + B@' C - ' - ' B , U' ? CU ' - A' ' D - - CZ - C'

- ' + C - U@ ' - A' ' , + @Z B B' A' C > C , ' , @B - > @ '

@C @ ' + - ' C@ - CD' + B@' I > A + + G' - , I > - C' - A > ? @D'

- A' C@D + ' EG' ' C@ . > , C' C@ I > @A + @C' " @A @' -

$ ' %((' > + - ? @C' ' - > A + ' - C' . - - D ' - E + A@D'

[illegible]

' E ') * & ' (& ' ' = " , & ' A' D@E + ' & ') ' '

[illegible]

' B@' > ? ' C@ - CD@D' + - ' ' > + - ? @C' ' D@E + ' A' '

[illegible]

E , ' - C' C@ U - A A . ' , - Z i' ' D@E + ' D > @' + - ' ' + C D@ Y

? A' - C' . - - D ' - E + A@D' - A' C@D + ' = & (+ (

[illegible]

/ ' ^ # C . A , , G' ' . > C + @' > @' - ' @A @' ; N L' Y

- > A + Z C@ - AZ . C - > ADZ U@Z ? - + @' A' JBC @'

( ) * & ' ' , & ' 4 * %+' ' EG' C@ - A' - Z - C' + B@' U@'

- Z + B' C@ . CD' + -

[illegible]

E ' &BC ' & - $. ' $' , & ' &%%' & ' > ' &2 ' ' 1$ '

@@' 1f ' L' @

[illegible]

1' , &E &D0 ^5C - ? ' + B@' @CE a' ' ! 0 . ? @ Z

[illegible]

$ >J' ' \' % C " ' ? !! $ ' LN;'
B>' J-) -A' b @ ' +B@' +C U@C' > B' - ? ? AD' - @C' +B@'
E ,, '+B +' +' ' ? ? - +' ' ? J- E,@'A-+'+-',@ @' ' -C@' 1 '
LKM ' ? ' B->,D' E@' . @A' -' '+-',@ @' 'D >,+' -C@'
-C'+B@' D @C CG' ;KQP' ',' " '? ('MQP O'=? !! $ +'
-' -C@ A' E@' C@ U-A@D' -C' ' ->,' +C-U@' ' ;<N;' ,& - $'0
;P' 3 C' Q = ',->D' B@@C' .A @D' +B ' +B ' 'D + A +'
-C@' 0+O ' 7 ' -0' '6 ('C$ ' +'=NQ' A' D? CY
E,@'T -C@'"+B +'E@' ? D@' +' " C@ - 3 '&, @
O ' .C->J' - '+ @A+G

C> +G' A ,Z A' -CD@C' +-' C@AD@C' B@C' A J E,@' - ' ? Y
B @ ' 0
;KQ' 7 ' . 'C& - ' <L' 8: ? (' ' ++G' @' D D' +B A'
D' @' $-E' +-' . A.' +-' 3 >U A' 7 @Z A' -C@' B@C' - @CZ
A @' -C' + @Z E--A' +B@' EC@ +B' ' $ +>' ' 77' &) ' $ "
?$ ' -+@' S Z " @' @ X@D' B@C' -C E,GZ AD' >+' +B@' B J@' - '
+B@' C- ' -A' B@C' -C@B@) ' B ' +B@G' ,' ,& ' ' $1&&' ' '
1 $ (

[illegible]

[illegible]

[illegible]

+; ^%0' = ' % ' L '%K' %

,170-'D71 17 4+' % % '*' % ' 71'

71'T . - %7? - *'70 K U D?' V' . - 9'

; M', V'M? @@U@C/ E (<'-(04+'17< ('

% '*7 0 < DE4-'*0-(*W*6 D7 *E1-4+'?'*6-'=3'

0-L0-=- *-<3+' 3F^ ; 0=-- D7 @

[illegible]

7 E=-'<-0,=)-'4(KE(K-'M--0' 7 =' H

5 W-00=' L ' 6-44-'%(?? 6(??<- '6-00<' **

766*' -'=J(1-<<*(-07 '@ -=

[illegible]

Q' ; ' 7 *0-(*' W*6' 0 < DE4-' *7 =67W -R[

*0-1-'D7 *-1L*E?70'*7 17DJ'<-0<-' 1 0

[illegible]

7 674< ' <=<('*7 D7 *-1 '<-=L=-

[illegible]

3 ' ? *6 K=F ?' 7 <-?+'3-'=-DE0-'(K(=*

, @ U (4=7L*?D*'*7 3-' 1 1-(=E0(34+'=EM@0 70*7

[illegible]

' # 'H *6' ' (=73M-D*' 7'?--4 *' *3- -(*6 7 -' *7

<=<(' < K (*4+' '<7 =71-*6 K

[illegible]

* ' & 8 =D70 377J'(' E W44 K 4-(0 -0U

=D70 K74<'$0(7E*)+ K K74<' 'D747E0' 1 0

[illegible]

D70 -<',=J@M <'/' ' ' 0?' !

-=L =-<'D7 *-1L*34-

[illegible]

,=JL@17 /' L ' ' ' ' UJ

-'W67 =D70 ='<-0 <-=' 17DJ=' 70 D7 *-1 =U

-=L'7 -'W67 =D7??=' (*0-4 K 7

[illegible]

JC@ @A+' A'J@CC ,, 2 @CG'.C@ +' -CA@C'-'D@ +B' NM<_'C ' (

[illegible]

$'4, $ (&&!+' &%' ' ,& ' (*'

$ %'8'% 6 6' 'I ' ' (

[illegible]

$; ' 9 ' ' % ' % ' '%* % 6B 'K' '

[illegible]

E' $1 & ' 8% ' ' E()

[illegible]

%' A ' &%0

c_R]' $& &?& ! $)0 ! ' A., B'3 > @ ! -CAY

[illegible]

<<; ' E) % ' L *' 6 % '6 - ' 1 0

[illegible]

! - CA 6 G'8 U)*A , (2 " ^ ' B ! '

[illegible]

D7 1 ? 4 (-==' ' 0?' 3 (' ' 0 !

6-'TE(4*+'70'=*(*-'7?3- K =D70 ?E4U D7 *-1L*E'

7 = -==U ?'D7 *-1L*34- -=

[illegible]

D7 1 EK? ,=J@M T/' " ' ' 0?' D7 ' "'

6-'(D*7 '7?*6-')-03

[illegible]

*'3' %60' ' + '70 ' ' %

V') & U;KLN8 -++('F>@A'(V+' -C -U@'B ' S?-A

[illegible]

D70 K' ,=?D@>16M'**!/'$(^ ' ' ' i'

') a 6(*=D70 = '=D70 ?E4' D7 *-1L*E7E=

[illegible]

- D-' D7. * ??4@' %

[illegible]

+' 77 1 K (*7DJ ' ' ' ^' R

7' " 'Q' '0?G' '73M-D*'*7?=D70

[illegible]

+'! # 4 6 ,@ 2 ' ' ' A ^' ' i'

!! a 0--'?071' =E4*' 70 D7 *-1L*

[illegible]

* D7.0 4 D6 - ' "' ' ' 0?' '

'?' 3% F=--' ('; ' D7 ? 44+

[illegible]

D71 + =JL2 /@9' "+ ' 0?' ' Q

[illegible]

D70 ?E4'D7 *-1L*E7E=

[illegible]

D707< *-',=J@0*R47 */' # ' 4=7'=J707< *-'

0(<'V' ; ' ,:&:&/'?'V0' K(04 DF =--

,=7 D(44-< ?071' *=' 7<7E0 W6- ' 6-(*-</P

+<07E=' L67=L6(*-' 7? 07 ' ?7E < ' L(4- K0--'

70'307W 'D0+=*(4=' (< D0E=*=

[illegible]

4 D70L=((' ,=JL LR> (/' 4=7' & =770L- ('

0 (<' C' A , *' ' J < 7??=6U JJ2 CC@.'

[illegible]

-(04+' E=-'(' (1-' (LL4 -<')(KE-4+' ,4 J-' *6-'

)-0 (DE4(U =+ 7 +1=' % , ' % '

*7)(0 7E=' L0 DJ4+' ?=6-=' D6 -?4+' 7? *6-' ?(1 4 -='

% ' (< & ' 7W 7 4+' (=' *6-' (1-'

7? ('K- E=' , 1-E=' :! &/ 7? (D(*37L*-0+K('

?=6-=' 70 K (44+' W <-'-R*- *' 3E* =E3@TE- *4+'

1E06 0-=*0 D*-<U *6-' *+L D(4'K- E=' 7? *6-' ?(1 4+'

% ,

[illegible]

- D-' -7)L .E <'(' ?=6 7? *6-' ?(1 4+' % , '

D70L=(7 <' ' 7? 70 L-0*(K' *7 *6-'

% ' U ' ('=D70L=- 7 <' ?=6

[illegible]

(' ,=J@ML? /' 701=U & ' 7'

=-70L- -' 0 K4 DE-<'?071'7? 3$ 'U 'E-'

' L-06(L=' (<'*6-' D7K (*-' L' % ' *'

#, 1 ^^ D7 % U 7W 7 4+' (=' ('

(1-'?70' %

[illegible]

0 '1 ==L-44 K7? % +,

=--' (: G (W ' (< # * ; ' $ '

K7 K K *774 ?70 W70J K ' ('<-L0-=7 ' '

67447W K 37W4=' 3(**-0 4(<4-='-*D' 4=7 E=-<

0-17) K W77<' 70 1 -*(4 ?071' <-L0-==-< L70* 7 ='

7?D(0) K='70D6(= K=2 IA 'D ' #%2' :&! /'

3' ' M-W-44-02=' =*0E1- *?70 <0 44 K 674-=' (<

DE** K (W(+'L(0*=' 7? *6-' 1-*(4 W70J (07E <'=-*[

* K=*7 674< L0-D 7E='=*7 -=' 1& 'D ' :&":/

[illegible]

E +@Ca' ;KKL' = . ' 0' ' ' ' . $&!0(,& ' A'
--D'@A.C A.Z+--,'> @D' -C' >++ A.' G', C.@' J @'
+@C->+ A A.'-C'@A.C A.Z -' '+-',@ @'-A,G'+B@'DC A.'
AC@, @ ' ;KK=5 ': ' $, ' P !&, . - (LN ! -CJ@CZ
'U AD'- '.C @C> @D' -C' I> C A.'+B@' -CA@C'- ' AU Z@) .'
+ B'E@X@, ' AD'-+B@C'J>CJ- @
+' / ' C ' ^ ' , +@' CZ' A], Q'
J@C+ A A.'+-' ' -CJ -AZ' ' '!%#0& # ' ' @@'
3 0]' !+ A. A.', U@' ' -CJ -A ' A'I>-+)
;SMQN ' '#' 0' !! $ - ' '8;M<L(KL' -' C AD'BBA'
C +' +B' CC- '-' B CJ J- A+@D'7 -CD Z AD'+B@A'+-'!+ A.'
B ?' +B' '! -CJ U' @A >C@
! -CJ ,,GA) ' @@'>AD@C'
' 3 '03 '8$!N .' (^ Z' @@' & '
'X-D ,' -A +@,, + -AZ'+B@' ! -CJ -A' , -Z'+B@'
@ .B+B' .A'- '+B@'X-D ZA ?@D' C-?'+B ' +> +@D'
E@+ @@A' EC ' AD' ! . ++ C > ' @A+@C@D'EG'+B@' >A'
E->+'OP' # +-E@C
#\EL\' # . ' &!0'%$ e' ' B@' A ?@ ' - '+B@' @, @'
! .A@ Z ' C @ ' ! -CJ -' S..! $ '?$ 0' '?0
' 4'8;=NP(L;L' B@' G.A@'- '! -CJ -'B +B'+B@'B-> '- 'D@+B'
AD' - 'DC@D

I>@Z' $ $ "' AD' ,& * &0 ;Q=;'C&& ' & T'%'L'EZ' @S+'
,& * &' -?@ Z A'>.,G'0@ +' SK)'$' " ' . ' $ 3'0
LM=' A' ->+B@CA', ++>D@'! -CJ -' ' ? .A @A+,G' @@A' B'
+'@A+ C@+G
' 8 UJ>J - D(Z $0 AD' 10 ^ D' C
%% &*-& B (' ,V&*-&3 ' !%#$& # ' ' @@' # / a
' $ B0
' ?& 0 8!@@'I>-+' ;KQP (
;KL<' c -5 5 ' ' & 0'?& 0 ' '8@D'L(;MN' B@' G?@' - '
3 -A- -+G,@D-A ' !,& '&' ,& * & "' -CD A.' '+'
J@D>A ,@ ' C@' &- & &- $!-C'$' & - $!0 SKG ' +
\'F) ' $, '?& 0%b& & "' B@'+@C?' -CJ -D' ' A+C-'
D> @D'EG'" '5 '/@'% AD-,,@ '+J@SJC@ ' >A +@C ,' G?@'
>AD@ @,-J@D'J-C+ -A'- ' B #8Y '> > ,,G'C-,,@D'>J 'OC '
?@AD@D'/@'% AD-,,@ 'D@ A+-A'-'+B@' -CJ - D' G?@'EG'
J- A+ A.'->+'+B +'+B@',- @C' C@' A'+ -'C- 'J C ,,@,'-'+B@'
J @>D S ' ;K<M' ' (M' ! ' !&2 ' '%bM B@'
,- @C' C@' CC A.@D' A' -CJ - D'-C >C,@D'C D@?@
/ 'N&&!0 $ $@ @?E, A.' ' -CJ -A' E@,-A. A.'+-'
+B@' -CJ -A' ? ,G' E ' $@ @?E, A.'+B@' + ,' - '
' -CJ -A' ' A AA ,' -,,@D' A' ' " +' J C ,'"
= ' 0' 0>+0
$ %&' 9 !' ,& *)' '! -CJ -AC, U@
0 ' 10
' ?& 0 8!@@'I>-+ (
;KP '# ')**!"' ,& * * "' A' A ,-C@ @A @' B B' '
C-,,)'>J'+- CD ' -A@' D@Z A'+B@'? AA@C'- ' ' C- @CZ>AY
C-,,A.' '+B@' ,- @C'@SJ AD' SKMM A' $ ('?& 0
/ 'N&&!0' -CJ -A' -C' -CJ -A ,,U@' A ? ,
;KKQ' ($ ' 10' ' - $!';=M' B@'D - @CG'- '
+C>@' -CJ - D' 8& , -JB-A@> (' A' +B@' 6JJ@C'! ,>C A'D@Y
J- +'- 'E-+B'! @D@A' AD' ! -+, AD)
8 U J - TD ,(Z'$0' ?& 0 ^5-C?@D'
'JC@ 'i +a' f' : ' ,
;KL ': ' (M'?& 0 $ 3$ b' $$ '! ' 2' '
3 ' ' '2 / ' 1 2' ' ,
' ' ' (/ , ' ' / '
T' ' ' (` ' !' ' (?& 0)(MM.' , $'
,& * & ' ' ,& & $!0
$ 10 4=7!-18C&770L7 <-='
017< ' ,& * & ((' V0' V&*-&% (-E*'7?'
ND7L 07h$0@=!0 =--' % G D70L 7 'K0(==
;PQK' ! ' & & ' '0 S, 'M' ! -CJ -D@' -C'! -CJ -A'
.C @' ' ' ? ,,ZE @'-C ,- @'B@CE@' ;MM<' +) ' ' V $!0'
& 0"' * (8@D'L(;P'! - D' @C' AA> ,'+-'B @'5,- @C'
,'!>??@C' ! -CJ- D@ 23@D Z" -,GB- U8@+ a' ;QNM'
J $ '8@D'9@C @G(Z ,& * & "' 'U AD' - '&>, @
+' $ 10 $ 3H' ^ D' ? -D
,& * &!&, 3$(?' ' ,& * 3)' ,=--' ' +' '!&3'
,) $' 8 !' ' 47DE=*' 0-=-134 K' (' =D70L 7 '
,=--'$@ ' S'L ;N(
$/%$' B '+C'?)!! ' '&'' *&,0SSS S'OPM' 7B-?@'EG'
+B@',> +' >D.@?@A+- ' -D'+B@ @'! -CJ -,- >!+@'8-C .' ,& T'
* &!&,]'D +C- @' +B'+B@C'J-G -A
8 U) J A(' , -' L' - -CJ >AZ' = P'
- JG-8>(AZ' -SJ,@AZ' = M' -SJ - AZ' $& 5Z'
J -A@Z'P' O -CJG-A@Z' 8 - CJG Z'M' -CJ - A@Z'
Q' - -CJ@ A(' ' #5 ' ,& * &'(,& *)'(8 , -'
,& *)'H' ? -D 5' ,& * &'+'I'&C Z'!J' ,& * &'(
&.' ,& * &0 +' ,& * &' ' ' ,& * ' - '4 ,& 3'
* &+(@S+@AD@D' -C?'- ' ,& *) '8 B@A @ [,$ * +(
' C' V&*'& (
B@' -CD' B 'E@@A' D-J+@D' A+-' ,' +B@' @A+' , A. 'C
" ' ,& *B&(,& *&(3 "# Z 3 /> ' , & *= 0 3 '
, & * %(, -Z A' -C?' B- A.', +@C' D + -AD' C-?'5C'
-C' + AZ ?-D @C' .& * &'(3 / > Z ? -D,:++' , & * & '(
3 ' ,& * & (! Z / ' .& * &'0+
' A' C BAD'- ' AG' - '+B@' .@A@C ' = ,& * &(
?)) (' ' &, &') (@+ (' -C? A.' +B@' .C->J'
,& * &' -(B A.' 'J C'- ', C.@'A JJ@C' AD' '
.@A@C ,' C@ @?E, A @'+-' ' ? A +>C@' ,-E +@C ' +B@G'
AB E +' +C-J ,' AD' C?'+@?J@C +@' ->A+C @ ' A'
E-+B'B@? JB@C@ ' B@' A+@A @'J A' > @D'EG'+B@'
+ A.' - '+B@' -CJ -A' 8 +> +@D' +'+B@'J- A+- '+B@'
+ ,(' 'JC- @CE ,
$',6 !' @-'Ba' $';LNN) & ' 0K<L'aQ@' -CJ -A' EC E C@'
' + A.'5C 'E@ +@ 'E C'B@', ' ? A.' ;L2P' A+ % 'C'(C 0
O'S ?' C L'5-C' - ' ,,@' @AG?@' ->,@ + E' " ' -CJ!->A'
;LK' O ! '). ' S' ;O' +B C' 'B@' B , ' S@' A' GZ'
B@+B@C'B@' B ,' DC@ @'+-'B ? -CJ ->-' ' ,'6 C 0
C0 A' 7 C 7 U@C' h99 7' ' ,& &(' CJGAZ' *3'
' ' '((A' (KM 0>+' @>' -C@ CA A.' AD@'
/ D' @@?@'+-' GZ' @@U@'A-+' '! -CJ -A' ' @ +Z -C' @'A-'
--+ A.' -A' +B ' -U AD@'!B-C@' ;MKL' ' A' [>

& 0 8;K=K(;LQ K' ! A @' ?G' -? A.'+-' 3 -A+J@,,@C' 'B @'
@@A' @ @C ,' -CJ -A ' C@@J A.'-A'+B@' ,, ' A ? , ' +>A.'
EG'+B@ @' -CJ -A' ,' .@A@C ,,G' A+-'+C@?E, A.' AD')A >,'
@'?-+ -A ' LI < .) ' 0 !!0LPO' B- @'J- -A->'
@,D ' +B'C AU',>S>C A @' C- A@DZ 7B@C@'+B@'D CU' -C?-A'
. +B@C 'D@ +B' C->AD ' SK-M 8' < '0N&&!' '=KP B@'
-??-A' + , A' ! -CJ -A'> > ,,G'? @ >C@ ' -?@+B A.'?-C@'
+B) ' A' A B' A',@A.+B' C-?'+B@'B@ D'+-'+B@' A.' -A' -'+B@'
+ ' 1) 0=KM B@' ,& * &' - ' AA @> Z-C'.C@ +' C A'
! -CJ -A' SKK'I' ' A' ' '0 T '" '!4 '
N&&!0=PP' B@'E@ >+ >,' +C-A -,->C@D'! -CJ -AZ ' &,&L'
') %)') 0 1 0=MN ', C.@'A>?E@C'- ' + , A'! -CJ -A'
E@,-A. A.'+-'+B@' J@ @ ') ,& *) 'E$!,) "' 0',$ *$,) "'
AD' 0%$,$)) 0 1 0=MO B@' ' &, &') '&,, $- '
JC'G@,,- '! -CJ -A'- '!->+B@CA'5C A @' AD'!J A' ;<NO]V
A' ," ,!? ' 0 4 4 ' PLK O B@'D@ @C+'! -CJ -AZ ?)) '
$) $! 0
0' A' ,,> -A'+-' C -> ' E,@D'B E +'-C'JC-'
J@C+@'- '+B@' A ? ,
) B@' ,@ B'- '+B@' -CJ -A' ' >JJ- @D'+-'E@' ' >C@' -C'
+' - A' + A.'8 @@' , -'X@(' 'Q@ ,,@.@D' +Z'C@,+@D'EG'
A @A+' C +@C Z +B +' ' -CJ -AZ >D@A' >CC->AD@D'EG' 'C A.'
-' C@Z ,,' - ? ? + > D@'EG' + A. A.' + @, Z 'D C@D +@D'
EG'A +>C ' , Z +B->.B'? AG'J@C -A' A'? -D@CA'+ ?@'B @'
, ?@D'+-'B @ -E @C @D' +
$'404P ', 0' 0 ONM,V@' -CJ >A' + ' -A@' ' >AA@ ' >C?'
B >@WA@E2 @'?@' @ -Z > ?D@B, B@ @' >??-A2\ 'A@DDC@'
E B AD@?'C AU@D' @C !@?E, >A+Z\' U@W' ? D' +@'B@ >@DZ '
+ A.@!'? D'+@'+@ ,@ ' ;LKM # . ' , 0 T K;=' #'+B->'
-C+>A@' A + E,@Z GU'+-'+B@' ! -CJ -AZ -'D@ @G> E,@Z B +'
, +@C@ +' +B' +BGA' B@@DZ B A' +A->' -,+'^+aGA.@' ';MSP'
' ' ' 7 -?@A'2C@,, B'?> B
-'! -CJ -A Z5-C'E-+B'B @' + A. Z AD' E-+B' A'B>C+Z AD'
>C@'+J ' $' B2 ': ' -)' '&- 6' 7U ';QO; ';LQ' B@'
! "J -A' , 9 '+B@'&- -A' B@'+)-A @G DZ A' A+ D-+@'+-'B '
- A'&- -A' ? D@' SW4L' ' < $&) 'S ' B@' 3 ADZ+B +'
EC--D'-'@C'.> ,+G' -@ Z ', U@' '! -CJ -A'. C+'E)' C@' ;K;<'
!' ' ,' ;' 'QN' AD' @' C@',@+Z ' -CJ -A 'C A.@D'
+B' C@' 7 B +' B->,D' @D'-'E>+' +C U@'->C @, @'+-'D@ +B`
- ' $ - %0'0 % 0
' , 0 0 ONM,V@ B'A@'D@CA@?@A' @-'>AU>AD@, B@'
U>AD,@ -)' @D@->@, -CJ >AZ ++C'+@ ,@D' \E # /
$ ' ,*!>' (%M' C +->C' I I-D' B@Z +B'+-A.@'- '! -CY
J -A' A->'B +'?@'EC-.B+'-'?G' ->A > -A' 4 - - ' F , 0
'C* ' ' 'b_ B +' -CJ ->A' @,,' ! 0 /@ +Ba B@ 'D-A@'
A @U',G, +@C : ?A@'%.@CUZ AD' : ?@ ' ,,@U' $';P=K' " +'
, &%0"' '0 '==! -?@'JC +@' ! -CJ -A' A'G->C'B@ C+@ '
E +B' > @D'G->'+-' -A J C@'?G'D@ +B' AD' -A > -A' ;MNP'
9 ' $, (' <M / >,,' - '! -CJ -A' ' ?G' 3 AD@Z'
D@ C@' ? ' ;QS<'S ' ?) ' ;;' 0 B +'+B->.B+'B '
S@D' ' -CJ -A' -A'?G'B@ C+' B +' +B A. '+-'D@ +B' ;KSP'
' " ' ' < $'1"'S >' 8;KLM(O' ' B +'D@+C ?@A+'
, Z +B@' ! -CJ -A)' T 7 B +' D-'G->' ' ?@ A ' T 7 BGZ'
G->A.@C'EC-+B@C '
D ' 0 ' C@JC@ @A+ + -A' - ' ' -CJ -A' ' B'
C?-C ,'E@ C A.'8 @@'I>-+' ;QKN(
$> +')) ' 0 , - ' !' Z' +' 6!> "G'E??@'
@C@ +Z -C' +B' + ' !+C +>J CD Z 'A' B - ' @' +' 2
A'E, X-AZ ,,@D' P ,& * & "' +B->+' AG' DD + -A ' E>+'
B@A' A' +'E-CA@' +B'+B@C'B@ D'D- A CD Z +' '+-'E@' ,,@D)'
A'E, X-AZ ' ,& * *' ' ;<NM S ' 0' B'
" -1($) ' ' ;OO' B@' ! -CJ -A Z ' .@A@C ,,G'
E-CA@'@C) +
+' ' # , ' - ' ' --CJ -A Z' @-CJ -A' ' * X' ' A' -,G'
>E + A @' -C?@C,G'JC@J C@D' C-?' -CJ -A Z> @D' '
A' A+D-+@' . A +'+B@' + A.'- ' ' -CJ -AZ' AD' -C'
-+B@C' ?@D A ,'J>CJ- @ ' 1 0
9 (' E'% & T' $ 0 'SZ' C@'+B@' - ! @C' -?@'+-'
@S+@ADZ, @' E@ +- ' A'B>ADC@D' J->AD'-A' ' D- ,@'- 'EC@ D '
B B', @' > @'+-'E@'UA@ D@@D' +B' -CJ -A'-G'+@Z+B +' ,'
U ,,' ?-C@ +B A'+B@'J, .>@' @G 8 $ 'C*) %0'? $ '
;KP' 7 @C>A+-'B@', G@D' C,+ U@Z9>@Z AD'- ,@'- '! -CJ -A'
4MML'?&> ?0E %0' 5*0 $ 0 ' ;=K @@'+G,-' '! -CY
J -A' 'A-+'-A@,G' ACD-+D')C A +'+B@ C'!+A.!ZE>+' ' +Y
A@ @DZ +-'E@' @CG'> @ >,'+-'EC A.' G+B@D@) AD A.'!+-A@'
- '+B@'9 DA@G ' .) 4 &' *!0' $- 0YC , ' ' 'PQ' U@'#6'
-'! -CJ -A Z AD'# ,'- 'O@@ SZ- '@ B ', U@'F> AC +G
' JJ, @D' +-' -+B@C' A ? , ' C@ @?E, A.' -C'
J->, C,G' -A ->AD@D' +B' +B@' -CJ -A' ' =$+' +-'
C ,?D ' - '+B@' ,- @,G' C@, +@D' .C->J'C) &T'
& !&- '4) !! '-C' , @' -CJ -A Z A ,>D A.'+B@'
B@, @C -CE--U -CJ -A (AD X) +) 8 A ,>D A.'
+B@'.@A>' !"%.&') (UA- A' ' B J) -CJ -A ('
=1+' A'+B@' 6 ! Z'+-'+ C A+>, Z' @A+J@D@ Z' C ->'
, X CD)'@+ Z = 0' 0' ;K<;(' '8 (' @@' 9 X K
,& * &'T
=_R&' ' ,& * &' 0$ ' '&' L$' ;KML'O ' !!) 0' $ 0
0 'MQ<'0--U'! -CJ -AZ ! ' T'
/ T' B@'%-A +@,, + -A' AD' 8A- ' -?@ B +'
C C@,G('+B@'X-D , A' 1
,';L)' B ' 0 $- ' '<=K ,'+B +'B@' @G'+B@'! -CY
J ->AZ 7 B B@'+B +' A'B@>@A' 'G.A@' 'G +Z ' ,';=NN $ 0
&'T'=83!'0-D,' DD'0 'QQ(Z B@)'! .A@ '! -CJ -Z

OQK' -+'?> B' A, U@'+B@JC-.C@ @- '+B@C@ J,@ j j j j j j
A'+B@' ! -CJ -A' ' EC G: VC0' 0' 'E;' '! + A' A',U@Y
A@ ' - ' A' A.@'EC .B+'O@+ C S+'+B@'%@>+ >C@' AD'+B@'! -CY
J -A' +@ C A.' " '[@A +B' ;QP=' (' E $' $' '3$,& * "'
B@' ! -CJ -A' 'AE+' ' @CG', .@' -A +@,, + -AZ E>+Z -C + A'
@S+@AD' +' -A+ A ' ' -AC D@C E @'I) A+ +G'- ')C Z AD' -?@'
-'+B@?' @CG' -A J >-> ' 1 0(B@G' ,' + '%-C'- @'
J -A Z+B@' ! -CJ -A' ' "@ C+' ;Q)' 7 ' (' A'C%$!'
$' 0' 4 4 OPM' A'+B@'E-DG'N;'+B@' ! -CJ -A' ' A'-J@A A.'
(M 9! '<) !! - %' ' $ ' % 0<'< N B@E >C + -A'
^- '+B)' , SGa' -A+ A+A>@'+BC->.B'+B@'7 - , Z+B@' ,+ CZ+, @'
! -CJ -AZ AD'), ++ C > ' G@: ' &,V N !$ - - $ &'
$ 0 $ ' % B@' !)@' AD'! -CJ -A' -A,G' -C?@D'
-A@' .A' +B'+B@' + A'E@-C@' >.>+> '+B@' ! , @C '
+B@A'+B@' , ' - '+B@') -CJ -A' SK+-' 76'C& >' $! '
8*@+Z' B@A'-A'+B@'C . D'! -CJ -A''C@D
' JJ, @D' +-' @C+ A' B@' C?@D' +B' J A@)'
'6 @D'+-'C@AD@C' ' ,& ' & *) ' C'
A' A @A+' C +@C ' E ' A' > +C , ' AD' ?@C)

+B@' ,- ,' A ?@ -C' @C+ >' J@ @'- ' ,& * ' ' P'
8 ' ! #$J) Z! -$& OZ AD' ,& * &'% +0
'$/A+') 8' &1!' "%' ' SSS ' A' ?$1 '?. 0(
B@' ! -CJ -A' -'+B@' @@' ' -'A ?@D'E@?> @' B A'B@'
+ U@A' A' AG'? AAG'B AD@ 'B@'JC U@+B'B ?' +B'E ' + A.@'
-'B ' + G,@) SM)' 1 ' * ' 'S -'% ++@CJ ,,@C C@'
-' ' @CG'. --D'?@ +@'+-' D >@C' EGCD@ \'+-' ' @C+ A@'
!@ B'% ,,@D' '! -CJ -A' 61 (OOL' B@' ! -CJ -A' -'+B@'
+@C'-C'- '+B@'!@ Z B- @'D ->C @'-C'B +-CG' '+-'E@' ->AD'
?-A.'+B@' B@ ' ;KQ=' ' . ' A' @A -A 7 --D' ' 0' T'
$! '8;KKO(=<' B@' -CJ -A'-C'5-C+@ >@Z '+B@ @' B' C@'
J->, C,G'+@C?@D'EG' B@C?@AZB @'E@@A'UA- A' -C ,'-A.'
+?@Z AD'E@ C'+B +'A ?@'A-'D->E+' A'?@?-CG-'+B@'J A'
+B@G'B @'B +B@C+-' A , +@D' SK)'^ @@' 1 V
! ' ' ' A ?@ -C' -A +@Z E' B@' -CJ -A'
J, A+' < ' $' ,& *) 0
SM-' ' . .)'C! ' "'SS ' , 4'OQ;' AD' -C'+B +'+B@'
C--+'^-' -A +@a'D-+B'+>CA@' AD' C--U@' A CD' A'? AA@C'- '
'! -CJ -A' + ,@Z+B@C@'E@' +B +'. @' +'+B@'A ?@ ! -CJ -A'
SM-K' 1 . ' '%'OL;' B@' .C@@A@'! -CJ -A' B B' '
EC@DD@'- '0 ,'2 '/@@,A.'E@ +@A')'J->AD@D' +B'+B@'B@CE@'
! -CJ -AZ? D' -'? D@' A+-'J ,, Z+B@A'DCG@D' AD' J>+' A+-'
, @Z C@' @CG'JC- + E,@'+-'B ?'+B +'B +B@'5 ,, A. U'
A@ @)' ;K=N' L ' ?& 0' 0"' '! -CJ -AZ @@' < ' $'
,& *) 0
0' A'+B@' .>C + @'J .@' ' 9 A. ' C ' '8 AD
O %BC-A' S' ; ;(Z B@C@' E)+ @?@A+' T +B' -CY
J -A " 'C@ @CC@D'+-' ' ' G?E-,' -C' @ @C@'-JJC@ Y
-AZ +B@' -CD' B ' - ? ? -A,G'E@@A' >JJ- @D'+-'
D@A-+@' 'U AD' - ' B J' ? D@' - 'UA-++@D' -CD Z -C'
C?@D' 7 +B' J,>??@+' - ' ,@ D' -C' +@@,' J U@ Z -'
' +-' ,>" +' @S @ @' ,,>C -A ' +-' +B@'
J . @' C@' -??-AZ @ J' 8 +@C' 3 ,+-A(' A' +B@'
JBC @'$'2 *' -C!$ '&%' ,& * &' 0
LJ L'9 . 6'O &'0'5 0 '3 G' D@C'E@@+*->' +B' ->C. Z
;' -C I+B@' B ,'E@+@A)->' +B' -CJ ->A'^S)1' B ',)+@'
LN ' +B' S -CJ ->A Z +B +' Z E?CD UA-++ D' ;L)
8 ' &'%0 '## ' 'B@ B@?' ?-+' +B'C-DD ' ? ,)'
7 +B' ! -CJ -A'+B->'! B ,+'B@?' ?G+@' $'4MLO ' .
& '6) - 0 ' 'S'8;M=O(OM B@G B- @'C +B@C'+-'E@@'
' ->C.@D' +B' ! -CJ -A Z+B A'G@@,D'+-'D@AG'+B@'C 3 U@C'
$%%>'= . 'C0Z' 'QN;'0 U'+-'BG'J>A B?@A+'5 , @'>. Y
+ @Z AD'+-'+B@' J@@D' DD' A. Z @ +B' B J'- '! -CY
J -A ' 'J>C >@' BG',A.C A.' ;Q)' : L' ' ' '(
8;Q<N('44' ;KN ' J@ U'?G'+B->.B+'C@@,GZ+B->.B' 'UA- '
+B@@D+-C'- 'A@ J J@C'B @' @A.@ A @'A+B@C'- A'B AD Z
AD' C@' E,@'+-'C@J@,'+B@C' , A+ Z +B' ', B'M' -CJ -A '
SKSM' '8 & ' 'SS 'LS'! ->C.@Z +B' ' B J'- '
-CJ))'+B- @'7 B-?' @' AD'@A G'? D@'?G -@
E ' "@A @'> @D'I> C ' '+B@'A ?@- ' ' >JY
J- @D' A @A+ A +C>?@A+'- '+-C+>C@' , -' ' D0
' +B@A ?@- ' '?@D @ ,' @ J-A'8 @@'I>-+Z ;KQN(
SP=S' . ' - $ '<& 0SSS S'<K' " ' -CC@ + -A'?->.B+'E@'
A-', @'+B A'+B-A@ A.' ,'A 3 @DZ B>,D'EG'E ,GE@C+ A@ '
E@' GC + ' ,' B J*)'+ C " .E->+@'B@'@++ @'8b $ -?@' +B'
BGJJ@ ' >,,'- C>@,) ' ,,@D'! -CJ -A' ;KSQ' . '
!&% '4' ' Z " @ '! ' +B@'+-C+>C A.' B@@,'O@'EC->.B+Z AD'
C@Z AD'J A @C Z AD'+B@'B--UZ AD' -CJ -A ' ;KQN'
+C' ' ' ' ' $*&' '&%' $ '=KP'! -CJ -A' -C'A ,Z +B'
->C' BC A ' +B->+' ' "> +@' @ J-A'- '+B@' +@@A+B
@A+>CG'^ .>C@Da
M ' 8+C' CZ' V&* & B ' ,& * " ,& *) 0+'
A @A+' ? , + CG' @A. A@' -C' B>C, A.' +-A@' Z D C+ Z
AD' -+B@C' ? ,@Z > @D' B @ G' A' +B@'D@ @A @' -+'
+B@' , ' - ' '+- A
S) 7 G &S +X ' 'P;'9@ #CD@GAGD@ +->?@A+ 83C'
+-' +' +--A' AD'D C+ Z AD' -CJ ->A' -C'+-'@AD@' C-'
^;LKK' -CJ -A Z$/J/' 3) . ' -CJ -A'+-' B>+@' C- @ '
P& &)$"]0 $/ &' B) ' '?$ $ ' %)
"@C@' C-U@D' -C> @ Z ,@@ A.' EC D.@'+ ,Z B@ C' +B >,'
-CJ -A '+B +'C>GA@'+B@' ,' $%++' ' .)' "55 0PLL'
B@G' C+E A' B-+' ,- @,G' . A'+B@'@ @?@ Z -?@' CC- @'
->+' -'E- @ Z -?@'I> CC@, '->+' - ' -CJ -A' AD'EC U@'
$';M<L'E D) $ >' $1 !$ ' A'&C-'Z0 , + Z -CJ -A Z AD'
-+B@C' > B' C, U@'@A. A@' ;K=N'^@@' 7 'AV' $ >0
- B)' $'S S'LOP' B@' , A.!Z+B@' C- E- Z+B@' -CY
J-A' C@' ,' +B AD' AD' A'-C-
2' E $' "' !$' 0' A UA ?@' -C' ' , 'T'
B E+ A+'- ' EC ,+ CZ , -' &, .3 ,& * &'0
;K=P' - ,' $' 1.0 *$ '' 'L=0 B@'B-> @ Z C@' +'-A,G'
-C'T -CJ -A 'Z '+B- @'E-?'-A'+B@'$- U'C- ,,@D ' KK<
" ' 3Z - . ,'< 1 $!$ 'L=' ' B- @' C@+G'-'A + @'- '
EC ,+ CZ ,,@D'T'$-#U' -CJ -A')
K' 10 AD' &-1 ' ' C-*,@' ++C E'8- +@AG @ ()'
' ,& * &'3' "'TL ' ' ,& >* &'3! . ' D*
S K' ;' & & # $ &'>'$' 2 0A &) '7d"$!-'?> B'
A' > B' -CJ -A, U@'B JJ A.' \E ++)A@)@' ;MMK' "b' = '
0' $!' ' 4 Z 8;Q;L(LON' ! -CJ -A , U@' - > + ' K;L'
' & $ ' ' Z/C@ ?'+B@G'-'+B ' ->C'JC@J C +)'
D--?'D' - ' @ ' +B' C@'+B@C@' -CJ -A' A@ +' -A >?@'C
' ' *! '#" CD,G' ->,D !GD'AB ?' ' -C+B'B@C'
-CJ -A +A.' > .@
E ' 7 +B' @A @' T + A. A.', U@' ' -CJ -A '8 ' @A @'
P(Z ' ,& * &' ',) ,"'!$ (2 *(@+
;KNL' ' 'C$! ' 'S S' C @,' ' -A'EG -CJ -+'
DC @A' ;Q=' ') 'C! $ 0 -$ 0 ' P;L' "
C?@D' +B' -CJ -A', B' D%/C !& 'OL';>A@'POM O 0>+
@S + +>D@'A'+B@'B AD -' @ -AD C +@' B-, C' -CJ+-A
->C.@' ;KMP' B B' ' 'eL;' +' ^+B@'A + -Aa' ?> +
D) A@' +'J -) Z AD' D C@ +' +B@?Z-C'+B@G' ,,' D Y
J, A@' +Z -AG D GZ +B'd -CJ -A' B
'!J@ ,' -?E A +-A'+' i' -CJ - E-7+' ' '
@A @'N ' -CJ -A EC--?' ' ,& * &'' *!$' '8E('
-CJ -A E>.' %0 0"' +B@' 7 +@C -CJ -A' = ' 0
0 ;K<;(' -CJ -A' B) AG' J AG' C ' - '+B@'
.@A>' ,& * -'$ -C' ? ,G' ,& * $' 1"' , -Z A'
+' AD A' + B' = $,,&1 $',) (' -CJ -A
A' A @ +' -'+ @' ? ,G'?$'& * - (+B@' ,@AD@C'
ED-?@A'- ' B)' ' C?@D' +B' -C @J Z AD' >C6'
, U@D @+ ,- -CAJ -A ' 84CJ -AXC !C A C D XZ'
'A 6 @' - '!J A' AD' -C+B@CA' ' 03-CJ -A

, X CD2 -?@U AD - -C+B ?@C A, X CD --C
J -F ,-E +@C2 ,-A. + ,@D D@ J-D C> + @ A -
+B@ ? ,G $!$ ' $ -CJ -A - , f & ! &B
,& * &' @@ @A @ @ = ' T !(-CJ -A
J, A+2 8 (: A@ @ -C B D2 $, - ' . -&, E
% $ = '$' $ $ $, ' + B A. C@ ?G B +@
-C ,@? -A -,->C@D ,- @C 2 -?@ B + C@ @?E, A.
J D@C =1+ J, A+ - !->+B @ +@CA >C-J@2 < ' $
,& *) % , - ,,@D ,& * &'3 &&- " -C T & - H
-CJ -A @AA 2+B@ & &' !!$ -) " -??-A
J, A+ - !->+B@CA >C-J@2 +B EC .B+ G@,,-
,- @C -CJ -A B@,,2 . +C-J-D - +B@ AD A
@ AD & 2 - +B@ .@A> C &, $ " B A.
D@ @,-J?@A+ - ,-A. +>E>, C J A@ C-? +B@ ->+@C
, J - +B@ J@C+>C@ -CJ -A J D@C2 A ?@. @A
+- C -> C BA D A 8 @@ I>-+ (VA- > > ,,G AG
C BA D A - +B@ -CD@C C *$!* " B J -CJ -A
-CJ -A' + ,2 AG J, A+ - +B@ .@A> ,& *))
,& * &'*!$ ' 8E(-CJ -A
-C+2 8 (f ! -0& # - =1+ - &*$,& 3
* & % A + @ - !->+B@CA >C- 3 2
I ("0?) ' SSS ++ %% %GJC A +C U@ +B@?
+BC->.B2 +B ! -CJ -AE- I O : C!$ ' E '(
;<< < ' $,& *) ! -CJ -A OC--? ! -? -/ J, A+
MM) 5[K[' -0 '0 OO; ! -CJV -A A B B@G
C@ A-+ +B@ -C + - B@ 2@ J@ ,,G + U@A A +B@ A+@C2 GA
+-AG J, @ 2 \ +B@ J>C@ !@ 2 ;KM) O !!!) 0 $ 0
0 O=Q $@D ! -CJ -A B] , & $(% <
- 3 ' $' 85 B SB E &>E (LM A -?@ C@ BY
+@C ,>C- D +B@G ^+B@ @.. a C@ - , .B+ J@ .C@@A2 W
A +B@ -CJ -A B2 $,,&1 $',) %& ! 0 (MM
'& -$ 0 ,& * &$ $) (+B@ ! -CJ -A 5,G % M& !
5' $ 2 ,. ,0 <& * ; : A OL B@ ! -CJ -A ,G I> +@
B C?,@ %&RR ! ;P /@ <LM B@ d! -CJ -A A 8
$!$ $+0] O>,E - +B ,- @,G E,>@ C C@ A- ,- @C A. A
J-+ A --, .C@@AB-> @ G@L M &"0 $ &! '$;L;
B@ d! -CJ -A X CD E A- ?-C@ , U@ ! -CJ -A2 +B A A
"@D.@ "-. E>+ +B@G @CG -??-A,G ,, B C+ ! -CJ -A
"@ - +B@ X CD 9 AD2 E>+ ?> B E ..@C ^ + ",!0
$ 0 , * I $, &) $ B@ -CJ -A ,-E +@C - AD 2
$!$ ' " B B , @ J C+ - +B@ C, @ -A , AD KM!
$ 0 ?& 0" ! -CJ -A J, A+2 '$' $ $ $, ' , -
< ' $,& *) 0 B5 % $ 0 , 0"?-) (T ,& / 0
J -A !@A % M " : ! $ ' & ' OQ; ?-A.
+B@ C> A .C- +B@ -CJ -A @AA %_b : (
[= B@ d! -CJ -A B@,,2 -??-A,G ,,@D +B@ !J D@C E@,,
(& M : / @+) 0 $ 0 0)% M . <]%
@A> &+@C- @C] B@ ! -CJ -A !B@,, 2 +B@G C@ ,,@D
(+C C$!!$ > $ 0 (;O) B D E@ -C@ -E @C @D +B@ C.$!$ 'L
) - $ $' & (-C d -CJ+-A J,D@C ( ) \ %I (
% ,$ 8@D L(;Q< B@, C.@ AD -AD@C >,,G + -CJ -A
@,D @C H<$! & H E->AD ? +B@ DCG >J, AD DE+C + \ I
M 9 @ + + C 5 31. 0N&&!05>" C *$*4 d d",3
J -A !J D@C (E@ ! -CJ -A J D@C C@ ,, @D E-+B +- +B@
$ D@C AD +B@ ! -CJ -A (? 8 , $ - & % 1
8 / ! (=; "@, -+C-J >? ? E@ ,,@D A @A.6 B@ ! -C
J -A@ + G,@ E^ J ? 0 ",!0 $ 0 0
Q=Q ; B@ ,& *)) 8 -CJ -A' + ,(- E-+ A + (MM
$ 0 ?& 0 ,& *)) ^ B@ @@D J-Da B A @D
C@ @?E, A @ +- +B@ + , - -?@ C@J+ ,@] B@A @ + A ?@2
! -CJ -A' + , %_MR : ' & 0 ?& 0 JJ LOM " ! -CY
J -A' B-CA2 E ! 50 %b_ c! -CJ -A -C+ ^ @@ $
. L% L # !! ! (! -CJ -A -C+2 -C -C
J -A.C @ c_ + ! $ - (, 0" ,& 0&' $(-C ,& T
* &'32& " &, A++B +B @ @ J A,-A. (=M O
, 0" ,& * &'32& " +B@ J, A+ ' &*) ,& * & 0
! -CJ -A .C J, A+ - +B@ .@A> "& &
: +B@ -C.@+ ?@ A-+ -C?-> @ @ C , - +B I> , Y
G A. -CD 2 D@A-+ A. J C+ >, C J@ @ -C C @+ @
G+@ AD -?@ -+B@C E-+ A + .A +B@ A ?@ +- ,& T
*)))!,$) 8T -CJ -A' + , (2 +B B B C ->
J@ @ - "& & - +@D 8OC ++@A \ " -,, AD(
^G ! & & ' $S, MA OG D@ +B@ @ + - U AD@
! -CJ - D@ 2+B@C@ G@+ + -- -+B@C ? ,, B@CE@ B B@ -?@
D- , - A ?@ ! -CJ -A .C @2 -C ! -CJ -A -C+@ (M
8 $ * ' Nb] - +B @AD +B@G D-@ JC@ C E@ O G
E@CC @ 2 ! -CJ -A .C @ ^@+ a L@ / ! "'&* 0
*) - NN& 3 -> @ @ C ! -CJ -A .C 2 ?(J *
3 $ 0 $ ' "0 1$! E SS S2 7 +@C -CJ -A2
.C 2 5 @,D ! -CJ -A .C 2 !? ,, ! -CJ -A .C G ^
: <$ ' 0 8@D : AD@S2 ! -CJ -A .C 2 -C
% +@CJ ,, C2 @@ ! -CJ >C> % << C &,0 ? 2 0 $ 0 !) 1
- $ N& "& & "! $,$U "%$! -CJ -A .C (M
& $)% _]. N<b B@ @ C,G -CJ -A .C -C
B ,, -C.@+ ?@ A-+
! -CJ -> 8 U) J J? U(2 $0 $ 0 ^ ! -O
& # i : &@C+ A A. +- +B@ -CJ -A
$;Q44 : -) ' &-@+ 7U ;QO;)L; 7B B ,U@
J- ,GJ+ U - > + @C @2 B@ C ! -CJ -A U &- -A D D
D J@C @ (MJ A 0 ' 0 <:>,G <0< O@,- +B@
!@CJ@A+ O@ C@C @ AD +B@ ! -CJ -A 0 ,& * & " A- >,,G
CE@A2 AD B- A. +C>,G -CJ -? -C?
! -CJ -> D 8 UJ J A D(2 $(^ ?-D ,& 3
% &' 5 J 2 ,& * '3 - ! #O&- @@ / a
# -C J@C+ A A. +- +B@ .C->J ,& * &' -
C BA D A 2 +GJ @D EG +B@ .@AA ,& * &0
;K< A) E > $' 0 ,0 ;<NK ! $ ' OP !@J+ PO<))O
B@ + D- A-+JC- @ +B@ +-+ , AD@J@AD@A @- +B@ -CJ -A+D
AD , ?>,-D @C @ 1 0" B@ !,>C A ! -CJ -A ?J, G
+B@ @SE+ A. ! -CJ -A D +G)
+ ! - CJ -> + 1 0 $ 3>3(^ ! - &,#
i ;! a #A@ E-? >AD@C +B@ .A ! -CJ -
;MK< 6 & ' % !C , 0 & $ -) L 7 B@A +B@ + -
! -CJ -/ + ^: AD ->E 4 a -A+- A D B ,,E@
+ ! - CJ -A ,G2 $0 1 0 $ T ^ 1
; a ! -CJ -A , U@
! / 6!+C ?)!! & *&,0 8@D O(;ONE2 # +B@ C ! -C
J+-)+ G @ 2 AD - +B@ >@ ?-A@+B@ B >@ J-U@A E@ -C@
+! -C @+) 1 T $ dY>V ^ ! #OKI X) ,* O C+@C)
Q6*) $

<^L@ $ 0 A 0 A S bb 1 @+ 6>@,G .->C C@ +@D A B
? AD2 AD C@ -?J@A + B ? +B E@++@C -C @ 7 @ U@
E-DG @,, B A. D -C ? AD C@D->E,@D -C @
! -C @ 8 UJ (2 [V 1 (@S $!0 , - M
--C 2 U- @2 OU- @2 M K -C @2 M Q2 < - -2
Q - C @2 --C @2 U-C @2 Q)K ->C @2 K - 2
$!(-- @ 8 @@ , - ' 0 $!0 +0 ^ C,G
;M+B ,& ," ,& (C@, +@D +- +B@ GA-AG? -+
%- 2 %-9! 1 0
&C- !U@ + >..@ + +B + +B@ E ` E U -C? + -A C-A
! -$! $2 AD +B + +B C- @ C-? & ,& (-CC>J+ -C?
- ' " V
$' 0 - E C+@C2 @S B A.@
4!N< > V 0,50V "* & % &!" ;P< AD -C -A@ .-D
- G+B ., D,G + GA S) / C! $ 0 C& " =K;
&CG> +@ %-?+A-DG@ +B@ %-??-A@ @ ,+B@ +- -C @ $
$@A+ +- -?@ D- A@ C-? - +@C .@ - BG@ +--&C @ A
D ,@C@A+ +- B@ J@ ? AG@ EG@ S . R M * $ T
' 0 A P LKO B@ @ J C+@ E > @ +B@G C@
- A@D A -A@ 3 G +@C @2 +B@C -C@ - +@A+ ?@ +B@ -C @ A ?@ 2
+B@ -A@ @A+@C B A.@ E,G 7 +B +B@ -+B@C ^L@ 0 A0
S ;M O>+ & C D@,, -C@ EC> @D +B +B@ E,- %->,D A-+
C @2 +B@ ->A+@C B >A.@ +- -C @ S) +
&! & SS 8;K) (QM " @ +B + ,, ,- @ +BC->.B
+@C AD +BC->.B C@2 7 B B ,, A-+ -C @ ?@ -C
E@++@C C @AD SMS F ! C&!" &!10 S =P B@ C -C+>A@
,, D +B + +@C +B@G B->,D -C @ 0,- @ +B +B@ E .
E- A'D / A@2 @S B A. A. -C @ -C -C @ SMSK Q M
' '& 0 0 SS 5& & $! &5" A-+ ->C @ +2 A-C B A.@
+ %M(< : & - 1! $ K=2: UA- +B@
E CE@C ,, ->C @ + 8 DD,@a G -C -?@ -(D ++@CA
G@ J $ 8@D 9@C @G(2 - ,& -C ! ->C @2 8-,D -CD(
+- B A.@ % b< 7 / $!> @S ,- 2 8@D O(2 ! -C @2
-C ! - @2 +- @S B A.@
/ A+C - ? U@ -C @ @ + E C+@C -C @S B A.@
4!K< 9 ,E (SSS ;L< &-,, + A UA- @+-
B@ J@A2 B + +- - @C2 B@A +- U- @ H - ,- @a 4P<4
(0) 0 (($ SS)%M<]. %b& #A@ -++
--+@ +B@ +-+B@C -A B-C @ 1-> +B AU@ J@CB J +B@ B-C
? A A+ .@ B D - >C@2 A- B + B@ ->,D B @ B@D
+- U-C @ 5-C BG2 + , + +- , .B+ B@ ?> + E@., D %MRR
' 8) 5 C 0 &0 C( )%M%<. 5 %/ 0 2 7 ,+
+B-> + U@ ?G ->C @C -C +BG ? C@ & 00(@C@ - ? D
+- -C @2 B + E--+@ ->,D + +B-> .,>@ ?@ SMX= 0 # "
?$ 0 $ 2 7 ,, G-> ->C @ +B B ? G-> C@
A !? +B @,D2 G-> ? G + G->C @, @ +B A@ @ G .- A.
+C@@+ A . SM -) - * & ' ON< +V D + +B-> A-+ ->C @2
@A B A+@D 5-C C+ ,@ ! C B-? .C A+@D %
"@A @ !-- A. 1!0 10
$/+0 . * & % &&! 8;KQ=(:, ;=; # -,G B@ @S
B A.@ -C GA.@ AD J@C?>+ -D S SS %-+%$ 2 &-
C -)!$ ' (B A)A.2 --C A.2 E C+@C A.2 A+@C B A. A.
1 (&) $ (BC-U .@ ->C A.2 9-C @ ->C A.
$%>& 0 8;M<M(=Q< O C+@C 8 >) C,G ,,@D C>)
AD ! - +A.(AD +B@ %-A @CA +B@C@- ? G E@ -?JC @D
>AD@C +B@ ;N -,,- A. % @
! -C @ IL % -" ^ + %
C>A2 % 8%+ 0 @@ L V
- B @
[P<D 1 0 A 0 3 S L " ? 5C-? +B@ ->A+CG E U
+- JC > +@ C?@ E@ -C @D - ->C @D2 -C @D(
+! - C @C ^ X i $, a #A@
B- @S B A.@ -C E C+@C !@@ , - ' "
$/J$.) L! C. ,@ ,@ >@+B CC@ E@B AD@ BG?
,, E UA@G?@A2 AD U- @C ;PMQ # 8 . %0 *&!0
QLK %BC +@ -??@+ ?@ +BC> +@ >+ B@ O> @C 2 !@,,@C)
OC-U@C 2 \ ! -C @C ->+ - +B@ @?J,@ SM+X 7 !
&- * -) $' (B A.@C2 --C @C ^@+ a SDXG% @@ ' "
Q O !?K =*K= I ,&) " & ,) 0
! -C B@ + @@
! --C+2 -E -C? -
! -C+ + # A 8 UJ +) *)A(^A - + -A +-
% @@ A@S+ AD " V 5-CA + -A
;PPM : L ?$* - 7U ;KPP B@ " ,,@
,D B @ C@ +C GA + AD @S @J+ + +2 B@ B +B D-A@
-C+ + ->A) ;ML; L ' %0 ?$* 0 KP B@ A + G A. -
+B@ >AE@, @ A. "> E AD -C 7 @ AA-+E@ ?@ A+ - ? U A.
-C -A+ A> A. ?@ 3 CC .@, >,`2 A -JJ- + -A +- D>,+@CG
8-C -C+ + -A(;MPK 8 .) +C &)% > $ (!) 0 <;<2
@@ A- C@ -A BG +B@ ?-D@ +G & +B@ O@@ AD - +B@
/C-A@2 B@C@EG +E@G E AD-A J>E, U -C+ + -A AD @A@CG2
B->,D D@E C +B@? - +B@ JC +@> @ - -J>, + -A +C
2 '1& % ! 0 &'B) $! & H ` 5H+HH(L;O
+ -C+ + -A ?-C@ -JJ- +@ +- -A*>. , - @ +B A +B@
-??-A -C+ + -A2 B B ,,@D ?J,@ D>,+@CG S) !
5& 5 "-*')-$ $;SL $ J +G2 ,+B2 >D -CY
+ + -A
+ ! -C+ +-C ^ % .@A+
A % +- - +@ +B B C,-+ 2 % +
B C,-+ a 8 !@@ IA-+ ;MPM (
$%$/) ",$' &C" OM B@C@ E@ ,>S>+ 3> -C
+ +-C 2 AD +B@ C A @ + -> E C-+ XM) B < & & 00
,& $ & 0 B-C@?-A.@C2 B>A+@C - " C -+
! % # C+ +#) 8 UJ>+ +-C (2 ^ JC@
@@ #$1 a T &@C+ A A. +-2 -C -A + A. A2 -CA Y
+ -A -C ,@ DA@ " 8 7 @E +@C2 ;KM=(
;Q<= 4 ! + +C ! @D@AE-C. ' /@, .B+ - 7 D-? -A @CA
A. %-A*>, , - @ +@C B, B -,,- +B@ J,@ >C@ - A
J A +G)A) @CA A. ! -C+ +-CG - @2 KMN & 6 0
> % 0 & * 8O-BA(L<M "@C@ C@ B>C B@ +B +
JC- C E@ A+@, @ + -C+ +-CG C@, . -A
! -C+ -B 2 ! --C+@ 2 -E !
! -C+ + -B @ @@
+! # G 1 (^ A., X@D -C? - V
8!@@ IA-+C(
@G 8 $ &) 0 ? $ % N B@ ,++,@ -C @ -C C-A
B J B B B @ -, C-? +B@ !? +B@ B-++@ C-A B ,@ B@
E@ +@+B +
3A 8 U) :X (' 0 ,- U-CX ^ @C
8;KNN @@ %B@ +@C 0 ' 0+(D +- E@ 7 ,,
B A a A -E -,@+@A ?@ -C@J D-+@2 B@A ->AD
A +B@ -C? - D CU .C@@A AD

$ A$ X (-0(,& O$(C @+G - @J D-+@ ;KLQ
" 0 0 O<L SKMK 9 0 -0(!U-CX
i ! -CX -A@C 1 0 $ 0 ^ A., X@D -C? -
U % 5 ,& &'1 8 , - J@,+ ,& 3
0&'1 +0V G U
;P<Q 8* $ $/ 1$! ;, S P<< A A., B @ ? G
,, ! -CX-A@C +@C +B@ !J A B A ?@2 -C J@C .C @
;M<= ?$ > * 0 8;Q;L(L=L ; / G@+ - @ ,
AD %B U@A OC-+B2 +B ! -CX-A@C AD C J C,, A +
! #6[#6@C 8 UJ*X+VA,b C (, - $!" Q --C
-A@C 2 U +C A C @2 --X-A@C 2 K --C B
A CC- 2 @ CC- ^ + ,&' & $ 8 B@A @
?-D ,& &' $ f 5 ,& &'! (,& O& ! (!J
,& O& $(&. ,& &' $ JC-E + ,& O&'
-?@ U AD - @A-?-> A U@2 !J ,& O&' 8% +
,& %)+(-?@ U AD - +- D -C , X CD D@@?@D
@A-?-> % +B@ -,,- A.
; - 1 &'$ T O 0 $ 0 & - ;LL
B@G ,,+B B@C, ,) %&' $ E@ > @ + D-@+B B@ ,@
+B@ OG+ A.@ - E@ + ,,@D ,& %) ^JC A+@D & 4)H
A +B@ % + , A +-A.>@2 AD +B@ ?@ C--+@ , U@ +-@ AD
GD@ E@ + a
J, A+ - +B@ ?-D@CA .@A> 8 ->CA@ -C+2 IQNN(
,$ OP $(@ J (*$,$ -C E, U , G2
?> B >,+ +@ A >C-J@ -C + C--+ B B
> @D ! @.@+ E,@ AD -?@ B + C@ @?E,@ +B@
J C A J 0 *$,$, - -C?@C,G ,,@D
* 3 $ 0 , - +B@ C--+ -+B J, A+
+ 7 >JJ- @D +-E@.-) . A + +B@ E+@ -)DJ@C AD
-+B@C @A-?-> % C@ +>C@
;ML< 0 $9 !N)XCD>)L#4 7 @@ ,+B@? A A., B J@C
.C @2 ,C ! -C -A@C SMDM .) B 7 0 & ?&"!
! - ?0T . 0 8;Q==(G LML %-,-A@, O,>A+ JC@ @A+@D +B@
-?J AG +B@S @,,C + --CX-A@C 2 B B E@ D ? .B+
E@ JC-J . +@D A A., AD ?> B J C A J ;M<N A
$ & % $2 & 8!J ,D %,>E(LPL2 ODC-J@ - U C A C@
A@ >A @ - >CU @ J@C @,, 4QL B)! &%
A ! ' (@+ .OPN ! -CX-A@C 2 D@?>, @A+ > +B@
!? ,, &-S 3LK " &) C.0 8! " ! ;<NQ(
c]N . E>A+ E CC A. ' AD -C B A CC- ;QPM :
. ? 0 1$! == ,2 A CC- ,@ @D ! -CX-A@C
SKMM $ 0 ?& 0 W2 ,&5O&% $ * $ * A + @ -
!J A2 E>+ >,+ +@D A +B ->A+CG AD + C--+ -,D
> +B@? CU@+ ! bCX-A@C b KK ' " , =OP L
! , G AD ! -CX-A@C A E@ +C-A.,G C@ -??@AD@D C
>,+>C@ ;KK= 7 = C!$ 3 0 ;O ! -CX-A@C 2 5C@A B2
,& O& $ * , & =C ,) -)! $ +0 ! -CX-A@C 2
CD@A2 ,& O& $ * $,$0
E $ 1(
MM 7 O- "6$! [D -)8;)=(QM:>A J@CE@CCG@ b ! -C
X-A@C C--+ 4QL4 < 0 $ 0!0 <; !-) -CX-A@C G2
AD , J U@CC,+ - +B@ +G) C .C- +B 4QQ:< 3 * 0
#C [8;KON(;; ;PP 3 C !@,U CU U@D B ?2 B + +B@ C+>@ -
+B +c! -CX-A@? +@C @C@2 B B B@ -E @C @D B@ DC AU
@ @CG D G +@C D AA@C
! -+ 8 U +(2 10 5-C? * (! -++ O2 L M
! --+D2 = !U-+2 !U-++@2 M !U-++2 8!U-+@(2 Q
! -++2 L ! -+ ^# 2 ,& (J , $ (D , +@
, &) C + A C +@C - , =NN + A
B D C A+ ,&) 8 ?@D C / C- (2 B B
E@ ?@ +B@ > > , -C? > ?@D +B CD -C?2
1) " ? J@CB2 E@ A @CC@D C-? +B@ T .& $
J 2 +B->.B +B@@S ?J,@ - + A ?@D + A @C @
C@ JC-E ?@C@ ? + U@
B@ ->C @- +B@ , +@ + A -CD -E >C@ B@C@ A-
@ D@A @ +B + C@JC@ @A+ +B@ A + @ A J@ - AG @,
J@ U A. J@-J,@ 8+B@ C B ,& A C,C ? A2 J ,) (JY
J@ C +-E@ +@ C6@D -CD C- +B (2 A-C--@ + + @S + A
7 @, B2 +)->.B 7 @, B?@A A 7C+A. + A B @ C-? +B@C A
@ C, @ + ?@ > @D ,& +B@C@AD@C A.- < 2 " 8 @ (
? G J- E,G E@ A D-J+ A - A ?@ E@ +- @D @ A
@ C,G J -D EG OC + -A + -C >, -A 8 @ J@ -J,@ 8 +B@
>,EB J@C -A ,A ?@ , & (,& (! C: $B)B
>..@ +@D +B + + ? G B @ ?@ A T+ ++-@D H .A 7 @, B
2 + >++ A.2 C A.2 -C >,J+> C A. -C
+>C@ B @ , - E@@A -@CD
B@ # & = <0(A+-D , & +($0 , & (
.& 8? -D / > +($ T +B +B@ A.) EC? D)+-A
C-? , +@C CG + A JJ@ C A#5 ,& " *0" &. ,& &(+
,&,
0 #A@ - A A @A+ @, J@ U A. J@-J,@2
C + UA- A +- B +-CG AB E +) + - +@, AD2
B- A +B@ M+B @A+>CG J @++,@D A +B@A-C+BY
@ + - C@ +OC+ A2 AD C- ? B- ?+B@ A-C+B@CA
J C+ - +B@ , AD >,+ ? +@,G C@ @ @D + A ?@
/- + +- +B@ C@ .A - , C@D2 ,& & +B@ -CD A CG
-CD -C C B?@A 8 ,& !$ - C E@CA (A +B@ @A@S+
C@ .A +B@C@ @C@ C@, + -A E@+ @@A +B@ A.,- ! S-A U A.Y
D-? AD +B@ U A.D-? - +B@ ! -+ A -C+B OC + AD
C-? +B ++ ?@ A CD +B@ A ?@ A-,A.@C -? @ +B@D
+B C@, AD @S @J+ A B +-C , + +@? @A+
0 0 & 0 A K<;2 JC @ ! -++ ? -A + +- 2I, C@D@
GA A.2 -A A>?E@ A @ +@ E>+ A@ @, >?@ S@C@(? " E@CA 2
<NN ?$ $ 0 8;K<N(OK "? @CA ! -++ @ ,-AD
XS - PPQP OC>++@ \ 7 , @)! -++@ \ /@A @ X
$ & 0 =KO B % A+ E@ A-+EGA.
,-CD +B J, @ O>+ U@J+@ + +C-A.,GA> ? G GA+C@ J @2
AD@C ,, 2U+A.- , -C+BB> ?EC@ ,AD2 . GA+B@! -++)
[LKQ $ " ! 8$-,, (LL AD -AD@ " E@CA a
E ++@ ! -+, AD , -2 -C ! -++@ -A@D J@C@ - ?+G?@2 -C J@G
-?@ A -+, AD -J@C ! -+, ,-A.@D)N OC@+ G@A@ 0, !! &&
?) SS 8;<NM(QM C+B>C@ +>CA@D@ B ? (@GA@ J@+> J +
B@ 2 A+-J@ J, J +B@ B D@ ,@ +@ J@ ! -++@ PQN=
C @ 5 10 V O B@ @ ! -W 8 +B@? @,>@
D- C +@(@C@ J@-J , ! +B 2 +B + ?@ C + A+-
!J A@2 +B@@A +- C@, ,AD2 AD C-? +B@B @ +B@ -C B
J C+ OC+ A@ . 1 ! 0 ,& 0<
KN B@ 4 @ C I>B@A +B@ -++ ? A +B@ ! -E A
C+2 I>B U@ ! @ , "@EC D@ A- X -9 !10 0
4 E SS, 8 MS (L=M ,, +B@ O + 2 +@J-J,@ +->+2 7@C@ EG
+B A> D A. C B! -+ , -A. +B@A @D@E@,,@D->+ , !(
? (8@D L(4 PM< ;7 B@A +B@ ! -+ E@ ?@? +@C - +B@

,- ' ->A+CG' GE'+ , ' 0' ,& (8@D'&.' OKM ' B @' ?-A.'+B@'! -+' -'6 E+@C2 ' B-', @D' A' ? DD,@'-'+B@' +B CD' @A+>)' SKK' ! ,'? (';P=' - '+B@'! -+' @C@'%BC + A 2 B ,@'+B@'& @+ 'C>,@D'- @C'EG'OC>D@' @C@' %';J . A ' , 0 '%-,>?E 2 B-' ' -AA@ +@D' +B' +B@' C-G ' ? ,G'- '+B@' / ,C D'! -+ 2 ?@'- @C' C-?' C@, AD' A' +B@'G@ C'PML

E ' &- (' ' ,& 3! (' 3 ' +B@' J@-J,@' -' +B@'! -+ 2 1 (

')'ONN=Q' aV@C', !@A'+-) ? A@' ,,@'! -+,@-D@' 1 (ON=;Q ,'! -+ B)-D@'B@') 'B ' A@'B) -@

/ ' ' A + @'- '! -+, AD2 ' ! -+ B? A2 ' ! -+ Y ? A' Q ' ,& F (" .B, AD@C

! A @'+B@'+Q+B' '+ ,,'C@ @A+,G' B @ ,G'%! ('@S-' A'*- >, C' -C'CB@+-C ,'> @' 'A'! -+, AD'+B@C@'B ', ++@C,G'E@@A' '+@A ' D@A G'8@ J' A' A@ J J@C' C+A.('+-'+B@'?-C@'@S+@AD@D'> @' -'+B@' -CD

' B ' 8SK -(LN=' +' 5->U CU@' A'! -+ ,-A-)! -++ '@ J D'A-A@2 $';)O' C& - '8@D'" ,,(2 4 !U-++@'->+'-'O@C ,U' AD' E CD@A@' 4LKQ 3 ''F *X D' QL'J@' @D': +'D@J +@ V A., B@'?@A' AD' ! -++@' A'J@'@ +'B ,, ' ,';=QP' $!(' &' ''8$-,, ,(' PON B@' C +@' D C @ A'! -+,-AD@2 ? .C@'+B@' ! -++@'+C-A.@' 5 0 V00 & H '> P' H) ' !0 1, 8;K<P(;PP'%('+B@'->+'G,@ 'G@'CD>.B' @+@D' -++@' '@'B @' @,' @ @D'G->'- '+B@'E-++@ '$'4!LM &' "' $ &! (@+ '8I ' '! (4#0 ' 6+ ,,'E ,@+ '? D@' +' 3 '!B +@' + E,@'EG' '!U-+@' 4PLM ') ' A'O,+' 0 (!@C' A' 'LNL'!B-C+,G' +-' -A ,>D@2 +C> +'G- 'A-'!U-++2 -C'+B@G' G,'G- @' , ++@C' GA.' -CD@ 2 AD' ,, ' ,^ aB-D@' ;PKP' . (- $ ' ';L'DS' ' AG' B--+' ,' >->C@D,G2 @' ,@'B@' !B--+@+B',U@' '! -++' ;PKQ'w i .) ' ' & - $"' 'OO' +' ' -A@' @,@ ?@'!>AA@'+B +' ? U@+B'+B@' +BG-J A'E, U@2 AD'+B@'! -++@'G@,,- B' SW)' 'L' '0' (' " 'O;O' B- @' ?@' -E,@'! -++@', - +' C@'G->C'&C -A@C ' ;ML;' &-$1' A' (=' - ' .$ ('8;K=K(';OP' B@' ?@' 3 U@C'7@ +@CA'-C' C B'! -+2 ')'- ' ,,'+B@'! -+ 2 ?- +' @ +@D'EG'+B@'9 A.'-'! @D@A' ;ML<' $- '!&''C$* ' 8% ?D@A('QK'5-C' B-'UA-@+B@2 B@A'G->C' 'A@@C'+B@' E-CD@C 2 B +' ! -+' A G ,- U@'+-'G->2 ' 'E@'.-A@' 4Q<L' ' ? $, ,> ' (2 ! -+ ' B 'B @' &' 7 ,, @'E,@D2 ! -+ V B ?'OC>@'B ' +@A',@D'4K=<' 3 ' ' K' 0 ' ' (MM A'J@C @ @C A @2 A' @, -?? AD2 A' -C@+B->.B+2 ?' ,+'B@' C+>@' B B' -AD>'@'+-' > @ ' A', @2 +B@'! -+' B' @'A@ @C'E@@A'>CJ @D' SK)'+ ' (E0 (, S ' OK;' & >,':-A@ 2 '! -+'EG'E C+B2 A'+B@' @C @'-'+B@' 6A +@D'!+ +@ & -10 cM]< v 7 Q' $' ($!0 , & 'SK'7@'8! -+Y ,U@('UA@ 'A-+'+B@'?- AA.'- ' '& CD-A

' $!(8!@@'I>-+ (

%_' = . .') $!' ,&'O(& (LKQ ,& '! -+ B' ++,@' SKKM ! % '>. 'OSQ L'&C ?@', C.@'-S@A'= 'MD'+-' = 'KD'D ++-'! -+'\%'='K '+-'L

! ' !$' (8!@@'I>-+ (

SKS': " 'S BL' !$ ' ((' ,& ('J@C -A'- ' A'CC+ E,@' +@ ?J@C2 B-' '@ ,G'J>+' A' J -A2 B B' '-+@A'D-A@' EG'+A@' -?J AG'B@' ' +B2 +-' C@ +@'>A2 > B' '-A@' 'D@' , C@D'+-'E@' ' A@ ,& (% b& & 'T' !$ ' (KQ ,& (+@?J@C'-C'J -A' '-B' B +' ' -+'B@' 'A'H ;KM= . U' : ,' ! & '$' 'PL2 T ' ?'+C@D] '1@ ++' A' .C@ +@C' -+ +B A' '@ @C' 'G->' 7 BG2 @' A'C @' G->' -C @'+B A'3 ' '

' 8 UJ+(2 ' , -' L =' #-+B2 =' -++2'P)M -++@2 M' U-+8+2 U-++@' ^6,+ ? +@,G' D@A+ , +B' %(' ,= +&'% ,= +&' ' 1(:' + ' -C? ' C@, + -A'+-'+B ' ' -?@ B +'>A @C+ A

B@C@' A'E@', ++,@'D->E+'+B +' 3 ' ,&' 'A'J C+'-'! AY D A A'-C. A2 '# ' & 'E>+' A' -?@' A + A @ ' +? G' C@JC@ @A+'+B@'#5' ,& '8?-D5' ,&H ' B B' ' A' D-J+-A' -'+B@' @>+' -CD' A' -?@'> @2 . A'8@ J' A' " 0' +B@'#0 ' C++@A' -C?'? G'B @'E@@A'JC@ @C @D'+C D + S ,,G' -C'C@ @D' C-?'D- >?@A+ a

' J G?@A+2 -A+C E>+ -A2)C@ U-A A.'' ' @ J' J G?@A+' -C @A+@C+ A?@A+' ' -C' -A@' ' B C@' - ' > B' J G?@A+' B @ ,G' A'+B@' JBC @' &'%$"'4%& +' = ' +'R,&H'! (' , 6 0

c<&'$' ' , '8$-,, ('MRRc' @C +'B ' -,D@'@+@'\'DC AU@' '\' >E*V@'),'->@CD'- 'E@'B->'I>@,,@' \' >EE 'EC@AA@' ,' ' B->' +'>-C'B-C' -+'G ' %<]R " '1(P;' AD'E)AA@'?@' B A@'^ '+B@'.,>++-Aa' AE-A.@E ' 5+' !'E@+' -+''J@+'?@- ,@' J GE' c<&' 3 '?$ ('C0' 0 'SS '8;=<P(O[L' +@C' ->J@C'+B +' ' C@@,G'G@>@' +' 'A-+'B-A@ +'+-' -?J@,' ' ? A'+-'J G'B ' -+2 ,'4=L<C ! (" %' $'%& ' A'SS

G+' .C@+@' -+' -C B@'C@ADC@D'+-'%'D->E,@' ;PL=' 3 -' &- ($ (1('7U ';SQQ O' '-E@' +B +'?@G'B >@' ->AD@'->+' -'@ G@' G@'+A@ >@A2 '+-'+ U@'A-'+B->.B+2 E>+'? U@'?@CG2' AD'+B@A',@++@%BCG +@'J -AJ G@'-C ,,' +B@' -++@' ';PMM ' $! '&%' !&'' A' % . (8;K=L(' J' 2 @'E G'-CG->C U-++'+-' -AD-A2 SC .'&'9 B Q ($ "']':>,G'8SKMM(O<2:' U@D'B ?' B +' '- @D'B ? ' ' . @'B ?'B , C- A2 E>+'E@' . @'?@'MD'E U'!-' @'C@' ,@ C'- '\ +'+B@' -6'+B +'UA- '-' %_b&'A $ $!0 ' , " !!' & T' &!!(8;KQQ(' B@' -+ B @'E@@A' @CG'B .B' (M' " ' &' (% ($! '7U '8O-BA('<]M - G +@?'# ' ,@A+ B J' >+'+B@?' E>+ @ @CG'? A'?>+ J G' B ' -+' ' c R ' " 3' <$- ' ' $1!' ' +' <S=' !-?@'b,,G', D ',,- 'B ? @,'+-'E@ ' B@@D,@D' A+-'J G A.' +B@ C' -+'] & P'GG ' 6'<M "@'J D'E ' --+ EG'C@ +A.' C- ?'?@?-CG' 3A@- 'B 'G->+B >,' +A' @CW@!' L' : 'R 9 ' .&* (% & , & 0(,& ' A' ,@ B-> @' C@ U-A A.

'E ' & - 10(' ,& 3% ' ' "0

;LS<' -' C- '<! ' ,,(8;K<N(b'!-, @A+'D@A C'I>' ! -+' J@AG' - +>C' ;LLK' ' & '<! ' &!!'ED'LLP' !>??'-@A C-C>?'C@ @J+-C>?'D@' -+J A@ 2 .@J A@'@+ B A J A@' A'D-?@'A @C -+'S" C' ' ' ' > +-? CG'+ S', D'-A2 -C' '%-A+C E>+ -A' J D'EG'>E*@ + ' -CD A.'+-'+B@'C' E ,+G' ' > +-?' J D'+-'+B@'> @' - ' ' B@C '-C'E ' ' ,- ,' -C' ?>A) ,'+ S' 1 (c<_ 3 ' '8$-,, (' '<Q'W -+2 ' . D@CGA.@' A' -CU'-'E G, @ ' S=L -'+C' '' E D2 ! -+2+B +' '+B@

J G?@A+@' - ' '@?+@GA@' ?-A@G'+-'+B@' + ,+@' -'+B@',-CD@' 4P=P' ! ' 0(!&$,$)-(-++@' A' '+- A@' -C ,@A ' GA.@'- ' -??>A@'DC >.E+@ ' ;M=M :'+ ' E) $' ,,&- 0 ;P' !-'+B@G'? G +' ,@ +'E@'@ @D' A'+B@C'! -+' AD' S@

' % ,('+ S',@ @D'-A'+B@' AB E+ A+' - '+B@' ? C B@' AD',@ @,' - '9@A+' AD'!> @S'8 @@'I>-+ (4Q<G 'S ' ' ,0) 5'OO' A'&@ @A @G2 AD'.@A@CY ,,G'?' ,,'+B@',@ @, 2 'C?'@D' '+ S'EG'+B@' C@2 ,,@D'! -+2 E-+B' .@A@C ,'S?D'J C+ >, C' B@'.@A@C ,' -+' ' JJ,@D' -C'+B@'J>CJ-@'-'J G A.' +@C) , '@SJ@A @ ' B@' J C+ >, C' -+' ' JJ,@D'-C'+B@ ,--U A.' +@C'+B@' +C@ ?' AD' @ @C ' ;K<M $!"' ' ':>A@'=M B '' -+' ' ' J@ ,'C +@'-A'+B@ .C >,+>C + '-'+B@'? C B@' AD' A' -?@' G@ C 'B ' ?->A+@D'+-' '?> B' 'K 'A'+B@

! ' ,&'$' '!&'8@ C,@C'!&'$' ' ,&(' ' + S',@ @D' EG' '?>A J ,' -CJ-C +-A'JC-J-C+ -A +@' B C@' >J-A' +'?@?E@C' -C'+B@'D@C G A.'- '?>A J ,' @SJ@A @' &BC @2 &'%$"'8 'J@C -A'&%%+'!&'$' ' ,&' 8 . (2 +-' J G' ->+' +B-C->.B,G2 +-' @++,@' +B' , - ' & '$' '!& ' @@' ' 10

;OOQ' A' C- '<! ' ,,(8;K<N('OSS'!'S)I>+'A +>>' ,, 6 >' A' JC@ +-'O>C.-' ? A @C+2 @+' >@C +' A' JC@ + ' ,D '@+' " A '@+' ,-+B'@+ ! -B' >?' @ D@?'O>C.@A ,E>' ^@+ a' ;LON' &!!'&%'C$!(' LQQ O)>-D' >?' ,, 'D@' &@ @A@ @ I@C + A' V+@'\'! -++' >?' , 'D@' " + A.@W' ;=<=' A' ' (<! 'F I'$ 0 ' E ,E@'C@DG' +' -++@' AD' ,-++@2 AD' ,,'?G'D>+@' +C>,@ 'J G' AD'D-- ' ;PLQ' A 7 ' " ' >CA@C' ! , (,(5%& ';PN'$-E+': ?@ A?,' B@C@' ,? A@C-'U-++@'AD',-++@' 4P=N ,'LO '((=OeM' B@' D'B CE->C) ,'E@ C@ AD'J G,-+' AD -+' ' +B A'+B@' GD' +@2 ;P<M' ' (' ' ;SP' '+'?@'+-' ->A+@C @+2 -C'+B '+B-++@' @C? . A+'!%#+2B D' J D'?@ -+' AD',-+'+--' ;M=N'"-!0' &0 & - -&'' ';=' B@' ,@ + -A' ' C@@'+-'@ @CG'-A@'+B'+J?D'! -+' AD' -+' ;Q;N'Q ' 5$-0 -'b' <) @'C@@B-,D@C' C@ +'OC+ A2 ' @,,' '+B-@'+B +' J G' -+' AD',-+' S!

& *& (:>C@'.

' -G@' *KM ']') (0 'S *'!B@'J*DD j j' j j' J D' B A' B@'B D' ?-A@G'+-'J G' ;KQM 8 7' $,, $ & E'S 2 B 'A-+ E,@'%,>E'$ A C-++-' " D' *- A@D',-A.' A @2 J D' -+' AD',-+'+-2 ' C@@' AD' @J+@D' 'O CD-++-'

E ' $ (

!" N' ' & ' 'D' * !! ';O'&C-?.@A@ 2 " +-C A' A-+@2 D'+B@C@2 'O>C.@ '! -+' AD' -+' ;KN< = < !'? $'" ' '5K B ' 'C@ ,,G'+-' , ++@C A.2 A+@CC>J+@D' +B@' -+' AD',-+'.@A+,@D' 4KL4 ' ,&!' $! 'O< JC 2 OG'! -+' AD' -+' -+) ' *%(') ,(& *& (*0 <<' U '8!@ -CD2 9@A+(' B@'%)?-A ,+G' +B@' -+' AD' ,-+' AB E + A+ ' ;KM< 7 (<! $' ' ' 'MQ B@' ,-+ AD ,-+' -+@C' K<K:2' '%') ' $', ' ' A+' " '4PQ !' -+ AD ,-+@,@ +-C

' 8 UJ+(2 ' ^% '*@@ ' ; 3' ' A UA ?@' -C'T' 'B-C @' B- @'E-DG' AD' + , C@'- 'D @C@A+' E,->C''8 . (2 ; ' '8 -S'('+ , ' , -'!%*' [('A ?@'-' 'B-C @' - ' $!T'8!> -,U(' @@' / (

LKM B 'C &!0M;M' B '$@>@' +' J-A' '>,'.--D' +-+2 E +' ' ,'J-?@,G'.C@G2 AD'B .B+@!%-+' 1 ($C' (O=P" G+'OC-U2 B G+'! -+2 B +' J C@'G@' -C'+B@'+-A@' : ; ' A'-,D'A ?@' -C'+B@'B C@' A1 ($ V' %' !%# $ 2 !%# 7 $';LOP' $- '&%' $ 'A' !0 ' 0 'QLL' B@' -+2 +B@' D@AE@C'm@+ _

' 8D@J+(2 !@@' , -' ' ^ ' ' I I!AV' : :2 ' T' -'J C+ J +@2 B C@'=2 ' 'J@+ -A(' $5 / ' ((L=K @'*@' B-+@!' A D'B ?'-'B 'J A@' -A @-C-@2 , -LN)>,@A' -++@'?D'3?' B 'E6 @'A@' B@I>@A@

E ' %' B'JBC' &' ,&'$' '!& :' @@' ' /$J$'?) ' ,('8;KQ;(' 'PL'O@ >@'+B@ D ' A' X@?@A'A- +3C' -++ ' ,-++ 2 ,,@'+A-C CD ' +B A'->C' D' C@D-?@' ' : ' 6 B 'C $, ,,' ';8;QP=('=K# '-AG @D- 'E>G' AD' @,,' +B A'E>C.B' +B'+B@'A' B+E->C 2 B@' '!' -+' AD',-+' +B'+B @'A'+ S A+++>A ' AD'>+E@C 'B@,J ' ?' $) T' -' , G'8 ' J@C -A' -C' JC-J@C+G('>AD@C'

-A+C E>+ -A' ' ' -+' ' +-' @);QPN' A' $ $!(' ' !!' &)! T' &!!0 F$ >>D 0 M' +' -'# A@C'-', AD' -++@D' AD' 6GDD' 7 ,,' 4QQ=' '# ' $ $-'OK' ,' B B', AD' AD'+@A@?@A+' C@'.@ D E,@' EG'D @' EE-+2 AD' -++@D' AD',-++@D' ' @,' '->C) @ 2 -C' +B@' @C @'-'->C'*I '+B@'U A.' 4KM= X 8 ' A') 5' ' &!(' &!! ,(4 'OPL' '- ', AD'DC?A@D +' 'J>E, ' -C'-??-A' B C.@' C@' + ,' D'+-'E@'T -++@D' " @A @'!-- -++@D'%*!($0(\ - ++ A.' 1!0 1(1 ' (8: ?(2 B C' -++ A.'\',-++ A.2 +B' +B@',>C A.'-'B '.>D ' >C+B'- ' E@CD@@A'+-' @G+B ' 4\L' &' ,$ ' &'0 ;N -'S P B +'+B@' >?' -'2)PNN E@' ,,- @D' C-?'+B@'@ + +@' A'C@D> + -A'-'+B@'A. A@'C +@'-A' +B@' -++@D', AD

! - + ,@2'!%# + ,@' 1 (@S ' (, -'O & +8+(, ,@2'8 --++@ E ,)2') --+ ,8, ' ^ ' ' CD ;'i' O a' A''+D@'"-C'@ + , ' + B B' ,@' DC>AU' +'+B@' A + + -A'- '+B@',-CD'- '+B@'? A-C'-C' - ' ' -C@ +@C'-C'-+B@C'E , 2 -C' B B' ,@' ' -C @D'

-A+C E>+ -A' ,@ @D 844!! K A' $!0 $' ' &!!'8;<NM(" '=QO'8:A-D -?A@' A+ !> @+'D@'E>CD@, @+'D@' -+ , + ' !+E>-D' , @ -?@' ?@A ' -+ , ?'A-A' +a' ;S<N A'!+>EE' !0 $ 8;K<P(OMM'F>-D'-?A@' A+'I> @+'D@*@S@ . @ @@+'D% -++@' B ,@2 + '!>-D' , @ -?@'A- +@C @' ,,I>' , >'E ," >' @J++B ,@' + ';OSQ' $ '&%' & ' , 2' >,,>' ,-C@' + C>' '@,'E@D@,,>'D@ @+@C-' ' -+ ,@2 @,'^@+ a' ;OLP' PO' ' $!$'<!$ &'1) "'8!-?@C @+'$@ '!- (S-K' +@?2 J-+ E + "' -+ ,, ' 4=Q=P' A'! GA@' $)-' ' , ,2(,(8;K<M(4Q ' +' A D > '@?J++'JC-'D-?-' -+ ,@'B-' AA-2 D' S)'3 8)' &2 ' & 'SS'e'=8;M;P(ONL O

'! -++ "'-C'! -+ ,@' 2 B@C@' AG'- @C-'+B@'5-C@ +'D-+B' U@@J@' A' ,@B->@2 AD'EG' -,->C'-'E - ,@@'D-+B > D' ?@A'+-' -?@'+-'E 'B->@2 AD'+B@C@'+-' J@AD'+B@C'?-A@G2' -C' @ C@'-'B >+A.'B 'D J,@ >C@' ;MMN < B I5IL9 ' O<' +' @@?'+-'E@'+B@' ?@' +B' B +' ' +@C CD' ,,@D' ! -+ ,@2 B@C@-'G->'? G'C@ D' A'3 +B'&C+ 2+B@'%B C+@C' -'+B@'5-C@ +2 OC +-A2 +B@' 3 CC-C2 AD'@,@ B@C@' ;KQ=' B '&' 0 (S '8;K<Q(MQO' @S+'+-'+B '+B@' -+Y ,@' @@?'+-'B @'E@@A'+B@'?-+'E>CD@A -?@',- ' >+-?' B@'A +>C@'- '+B @S + -A' @CG'-3 >C@' +' 'B- @ @C ,@ @D' "'+B@'B@C ' -C'B '- A'@?-,>?@A+2 JC-E E,G' ' ' C@ CD'-C'B '@C @' A'? A+ A A.'+B@'J@ @

+'! # + C+ ' 1 0 $ V ^' '! > ' 1(i' 3$ ('8' ?' ' 1(' ; ' '74<' (1-'?70'*6-'6(0- $'4L;P' $- '&%' $ 'A' !0 ' 0 ;LL' B@'B C@2+B@' -+ C+2+B@'E ..@2+B@'E->@E C+

! -+ ,,' 8 UJ+ (2 1W3 A' P U- B2 K U-+-B2 $!(I>-+ B ' ^%-.A +@' +B' a

' A'A -A2 >+2 -C@'-C'. B

,'4=PN 2&' &&. "31. 0 ;NO'9>+'B ?' A'%L'E UU@' A'+ -' -C' aV@ J, @ 2 E>+'A-)+' aV-C.B2 AD'DC @'B ?' A',)@ U@+' &), ' (U- Ba' A@S+' +B@'B@D@' '+B->'D-@ +' 'C->AD@' J U@' W M < ' 1$!!' ,SS++ '8;PON(&' 'E2 A'8B +' ->A+C@@'+B@'J@-J,@? U@' -+ B@ '-C' ,G +@ 'A'+B@'E CU@'-' +B '+C@' ;PMP' 1 ' $)) (,$,& $' ' (' A@' >,' - -+ B@ ' AD' B-JJ@' SM-M ' ' 0 M !(+ ' >'S-'7@@','E@ +' @?' A+-'O@A B B-,@ 2 ' B >@'G@+' $--?@' -C S')+ B@ '?-C@' ;MOP' 1 '< & 0 !0 ' 8;MLP(LQ ' C->AD' E- ,@ AD@A+@D' AD'+B@C@' +B' -+ B@ ' L ' 9 . ' ' ! 'S '8;MM;(;<=' B@A' . B ?'^+B@'@@,a'+BC@@'DC ->C -+ B@ ' +B' 'UA @' OMK=' &' 0 <$00 - ';K<P =' 'JC@++G'3.' B>EE@D' 3 A2 '! -+ B' A' B '5 @' ;Q)'< 'C & ('<!& 0(& , (-C D)&, (' A-+ B2 -C' >+' ;QKQ 7 ' " '= . FK !('" 'LKQ ,& , (-C@ 2 -C'A-+ B@ ' ;KL ' 2 ' B '?&!$)'?$!' &%'?. 0P;' ,' C?'+B@?' '+B@G' A'-A@' @' ' -+ B' 7 +B'T) @ ' /@ C@@' ' A-+B@C2 +B'+B@'g B

/ ' * ,(' , A@' -C@D'-C'? CU@D'>J-A'+B@' .C->AD2 A'+B@' . ?@'-' ' 1 ' , -' & - 1(' -+-B'

B-JJ@ 2 B-E2 A ?@' -C'+B@'. A@

4MQQ C&& ' &1 " ' -'$DC2 B@'+?@' B@A'! B--,E-G' B->,D'J, G'+'! -+ B B-JJ@C' ;M<L' 9 '),0e'_M8;M<<(';M / A A.' AD'! -+ B B-JJ@C' ->,D'E@'+B@' ?@'+B A.'+-' +B@?2 @C@'+B@' A ->C .@?@A+'@I> ,' !1 (' 0 5N5 '("d & ')%%&!.' & (,& , 3 &10 S+)' 9)78)'A' '='A(!@C' '4 'M= U A.' C@'+B +'+B@' + ,@' B ,,'E@'DC @A' ,@ C'- @C'+B@' -+ B2 -C' -C@D', A@

i' ' &BC') '&%'$!!' ,& , '$' ' '& , ('E@G-AD' ,,'E->AD'-C' , >, + -A' % ' 'O)'E' (;PKN $ * !(($"'$"' & ' '*'E2 B@'J,@ >C@' B B' G->'B >@'D-A@' A+-'?@2 ' '->+'- ' ,,' -+ B@' AD'A-+ B@' 4P<=' . & '?&-1 ' 7 @'. CD'+B@?' AD' ,->+' +B@?'->+ ' ' ,'! -+ B' AD'A-+ 3') D'+B@G' AA-+' @@' + ' 4!<M (' $%% '' $! ''N B->' ' C@'+B@ ' @ C@ DG' AG' + BJ->,@2->+' -,'! -+ B'\'A-+ B'+-'+-C?@A+'B ?' ! -+ B2'8 U)+(a' 1(' , -'6' U +-B2< U-+ B' ^0@,-A.'+-'!%# %"'H /' -'-E >C@'-C . A'J@CB' -.A' '! - ' 0 '+B@' ;Q+B' ' -C?' .$, 'E@' -CC@ +2 +B@' -CD' ? G'E@' D@A+ ' +B' ' 1((+ ,+a 2 'E,- U'J, @D'>AD@C=' B@@,2 ' U2 -C'+B@' ,U@2 +-'JC@ @A+'?- A.'-C' ,JJ A.

KL< ' '\' '<$ ' $' 0'E'0 S 'e'=PK O@B AD' +B@C@' ' ' U + B'+-' + G'+B@' .-A' A' -?@ +@@J'D@ @A+' SKMS':O ': X W P A))=M,CB@G^ = I U a C@'+-' E@ C?,G',S@D),)'?@ A'#'-"B@'J, @D'>AD@CA@'+B2 A' ' B-C X-A+',J- +-A2 E>A.' CD ' ;KP<'5 ' '< 66 0 '$'0 S ' -' B-D'B AD J U@2 AD'+ -+ B@ ';KQQ ! '5 ,('%$' "'=;P B@' B@@,'?>+' E@ @"' @ >C@' , D, A.'C-J@' AD' -+ B@' 5N " $ " 2 ' '5@E'K P B@' -+ B@ ' ,@D2 AD'+B@'E- ,@C'E@. A' +-'E U'D- A'+B@'E ,,

$%+O '7 '%#! 7 +' (>2'S, '8 ML (O S' +' '+ ?@' - --A' #>C'EC@ +B A.'B +B'!@+ ' -+ B'>J-A' ?@'SKMS' B6" 5 ' 0 ' &' &'5(B@'O C-A@+2 B-'D D'A-+, U@' -'? AG' -+ B@'J>+'+-'B!'J, A ' ;KKQ 0'A .0 <!& 0 2 !-' @' -+@A' J)U'?@+ JB-C ,,G'-'J>++ A.' ' ,& , '-A'J@C -A ' B@@,'?' @' B@ U A.'B ?' AD'+-'J>+' ' ,& , '-A' 'JC-*@ +' '+-'J>+'D >,+@ '@ A'+ ' 7 G

/ ' 8!@@'I>-+ (

4KQP : 7 ' (.((,& , (' ,-++@D'E C B B' ,J' >J-A' +'+-D' -C'8"J@2 AD' -C?' 'E@ C A.' -C' B->,D?C -C' -,, C'+B@C@-A2 -' '+-' >JJ-C+' +' B ,@ ' @ +-A'E- @' E@A.' ++ B@D' -C D@+ B@D' 6 @D' A'E-C A.' AD'+>E A.' @,,

/ 8 UJ+*(2 $(AD' 1(' , -' Q ! -+' B' ^%-A+C +@D' C' - '

B@'+BC@@'-C?'-'+B@'D*2 ,& , (,& (,& (C@' + ,' >CC@A+2 +B' -?@'D @C@A +' A' >@2 B B2 B- @ @C2 ' -?@ B +'>A @++,@D' /- A'+-'+B@'?DD,@'-'D @'SM+B '+B@' -A,G' -C?'>'+B@C A' A., B' ' & ' ' E>+ A' +B@'D ,@ +-'! -+, AD'8 A'+B +'- '+B@'A-C+B-' ' A., AD' A'+B@'= B' AD' ;P+B' (+B@' -C?' ' & '8%2 ' ! 'U' A., B(2 >E @I>@A+,G' -A+C +@D'+-' ,& 0 !M' C' '-6C I>-+ + -A' B- 2 +B@' -A+C + -A'- ' ' 3 +-' ,& , ' ' A-+'C@ -CD@D'A+ -'C@ ;PQN' MA' +B@' -?J->AD' ,& , '-$'+(+B->.B'+B@' -,,-I> ' JC-A>A +-A' B B' +'C@JC@ @A+'? G' @,,'E ?> B' ,D@C2 ' $(' , &4 ,&%, ,$*(,& ' - >C A'! *)VE>+'+B@ D D DA-+'E@ -?@ -??-A' A', +@C +>C@' >A+,'+B@ @ -AD'B ,'-'+B@' ;Q+B' ' 5C-?'+B +'+ ?@'>A+ ,' C@ @ A + ,G B ' 'E@@A'+B@'JC@ , A.' -C?' A' A., AD2 +A->.A' ,& ' B ' , G'E)A' A'>@ ' '?-C@ -C? , GA-AG)' A'! -+, AD2+B@'>+B-C' B-' C-+@ A'D ,@ +' 5@+.> -A'C +,G' A'+B@'K+B' ('A @D' +' ' A., X@D' D-J+@D'+B@'-C? d ' cK+B' ' ,& ,& ,& - ,-+ ,, A D >J->AD@ ' ' h fV, b' +' '> @D'C@.>, C,G'EG'O>CA 2)D

'! -+D+' D> + -A' # !'' C- ! ' E , @A+>)'+B@C@'B 'E@@A' A'! -+, AD'K

B ,@'A' +' JC@ @A+

-C & A +@C2 ,+ . C- -A +B@ -C+B -C + D@ ;K=N BR
) +C V !!$ $ T ' , LM) B@ ! -+ B & A@ 0 CU
0@@+,@ "! ' ' = "!)) + * ' * $ › # ($ %J
C!$ ' 3 0 ;K= ! -+ B &C ?C- @ QL; = . . $ 0 0
I M2 B@ +C J D ! -+ B $- @ B@ S+B ! -C+
->AD ,D A ! -+, AD K - : A $ ' 0 , (
,0 8;KOO(OK; B@ ! -+ B $- @ B E@@A2 AD + ,, 2
-?@+ ?@ ,,@D +B@ 0>CA@+ $- @ + +B@$-) J A- , ?
- +B@ A., B >+B-C ;Q) 7B 6 $,& 0 ;=N
%-A -, >,> -, C@A -C? E> J@D>A >, >A ,-C V !@
0 AD @@D) ! -+ B ! >C G C

0 T 8 ,, J+ , > @ - +B@ D* (

,& , 8J (B@ AB E + A+ - ! -+, AD
-C +B@ C ? ? @D +@ D@ @AD A+ A -+B@C ->A+C @
;) ; : : (T 0 0 =; @+ +B@ -CD A., B
AD ! -+ B E@ @A+ C@,G -E, +@C +@D AD ,- + A +B + ? -C@
A @A+ AD .A A+ -CD 0C +-A) :&R& !) &1 &"
2 B@ ! -+ B- +B + J@C -D @C@ . > ,+G - ? , C A*> + @
+- +B@ A., B ;KOP 8 ' ' , " , ,0 e =Q;K B@
A@ J- D@C B B JC-D> @D EG B> U A. +B@ -CA22 -C ?
+B@ - @A - +B@ ! -+ B R& R 0 $!" %"
' 0 SS LLQ 3@ A B ,@2 +B@ ! -+ B) @C@ D D@D
EG I> CC@, +- B- B->,D ,@ D +B@ A

E ,& , $ ' ' ! +B@ A., B 0-CD@C
A ?@ JC JC -A@C E @ ' , $ ' ' !
8 @@ 9 1(# E(

R&7(H 8 0 &-$ ' $N : B@ B ,DC@A -
+B D G2 >J-A +B@ A., B E-CD@C U@@J >J +B@ C@?@?EC A @
^- -C?@C @A@ _ EG -??-A J, G2 ,,@D ,& , $ '
' ! -C2 $ 8 AC- D(;KOP J 2 ' !
$ ' ,& , " -??-A . ?@ ?-A. G->A. J@-J,@ 4KK<3$P
2 1 ((C &'$! ,& !0 8;KQO(OO A ->C J, G B->C
^ + B--, A ;Q<Na @ ?> @D ->C @,) + ! -+ B A
A., B . ?@ B B C@JC@ @A+@D C D -A +B@ D@E + E,@
, AD2 -C 0-CD@C E@+ @@A ! -+, AD AD) A., AD2 A 7B B
@ B J C+G +C @D +- C-E +B@ -+B@C - +B@ C J, G+B A.

/ B@ ! -+ B , A.> .@ @@ L

$;QNN 0 0 $ ' 0 2(- - "(5--, › $ -
$2 ' "(B@ @CG - +2 +E-"8 A ! -+ B(+ -A,G -C ,@S AD@C
;KSK 0 (2 7B B +- G2 A J, A ! -+ B2
+B@ . ,,- ?07 U $) ' ! ,@+ , 2 ? G @, B @
A @ +B + + ?@ I> C@D ! -+ B A J@C @ + -A2 AD ? AG
! -++ ? +B , S)K ' , " , 0 ? 0 ,,, =NN O B@
C@ , - ^ A+@C@ + Aa - , AD ! -+ B , + @A+>CG ;K<M
$! 8 $- 2 A C@ D 5C@A B
@,, ; A A., B2E>+ + ?J- E,@ -C?@+- -?JC@Y
B@AD ! -+ B

+@A !! * ,$!!" 8+B@ E E@ A. -A+@S+> ,,G
UA- A(2 @ . -C ,& , 2 " , - f ., -
! -+ B 1 2$, - -C?@C,G -C ,& , ') %%0

;KOL : ' o &-0 -) 0 ;NN B@ A@,G,@ . +@D
A> 2UA- A T! -+ B R&& 8" = ((!) - 1
8T &-?@ 2 ; ;K(85 C?@C(A +B@ @ C,G @ @A A. + B@ B@B D
+ C+@D @,, -A ! -+ B@ 4K<L " 0 : , . Q
$;OP -E ++@C AD ? ,, ! -+ B 4K<= # I
% " " 0 % ;O= AD - @C DC-J - ! -+ B AD
. C D > +B@ ,@ D A. +-J - +B@ D G ;K<K 0
6 C!$ " &) ' ,$ ' 4 !! " " B $ 00 ,& ,
AD GJB-A -C G->2 C

! -+ B) 5./A?$ P - B@2 U- B@2
B- B@2 P M U- B@) M -+ B@2 M Q U-+-B2
M -+ B ^# ! 2 1
3) M $. 2 J- E,@ a
$ ' 0 - ? U@ A A -A -C A -A A +-
>+2 -C@2 . B 1 0

I ;=;O (1 0 C ,0 LQOQ 7 +B B A G,)
C B@D B@ B @2 AD - B@D &510 U- B) a +
+B UAG>@ 2 AD +- C@A+@);=LN 2& &&. " L. 0 ,-+
! B- B@ B ? ^+B@ Ba EG E@ B@D@ A E@ E U@2 AD U-@E@
B ? A + - -C * J@ @ A J@ B U2 E>+ A-) + +B-C. B RX ,& 0
! N . $- &,0 ,0 2 #>C A., B?@A >,,@.@C,G
+++,D@ +B@? +- B-++ !U- B@A +B@ C>@, ! -++@ _+B +B@ C
U@A@ CC- @ ;PMO ? 8 1$! =ME2 G@ ,, B >@
+B@ ? @2 G@ ?> + -+ B@. + JCG U +B@ C--+@ A ? AGJ, @
4PQM ? 8 1 ' S, B ;L; 7 E@B +B@G E >D @+_
-+ B@D + ^+B@ D@@C U Aa +B +B@ C --D UA >@ 2 +B + +B@
B->AD@ ? G +B@ ?-C@ @ ,G +O C@ - +B@ @ B@ ;P<W
$B%% & ' $! ' J / @D %' L E2 ,, D@,,+ @C B ?
+- +B@@ +- E@ -+ B+ AD CE-A D-@D2 R<7R (('
C! ' " Q= B> ? AG C@@U@ D-+B -+ B AD >+
&@,-J-AA@ > R =R 0 & % ' ! ' 8;MPL(;Q
7 A +B@ @,@ ,@ A@ ! -+ B + ,, ,-A. E-+B +B@ D@
,)^ 5 ((< ' ! 2 0 &- * 0 ;ON ! -+ B +B G->C
UA @ +B@ B U - +B@ % CJ) =Q = K(&& . " S
7 B@A G-> B @ ,@ C'D +B@ 5 . - E-+B ^ U A AD B Ca2
-+ B B ?D- A +- +B@ 0-A@
$1 &!0 $/>I B) 1(8;KQK(QL " - @>@C G@ -+ B2
>@ J-,@ A C-+ B

+ ! $ &BC & ' & , $ ' ,& , 0)Y > @D
G $ 1@3 <$. 1 0

;MNQ & 0 + S-K "@ -+ B+ B ?2 AD A-+ B+ B ?
, U@ % CE A D- 4Q<Q = 4 . 0 / @ 8;K<;(
=< B@G J, G ,, D G + +@AA 2 AD ,@ CA +B + U ,,
+- A-+ B AD -+ B AD . - -A@

/ B@-E ,D ' .@A@C ,,G @J+@D -A*@ +>C ,C@ DY
A. -)10 ;L2 7 @B @ -+ B'D +B@ A U@2
A-+ U ,,'D +" 8 @@ 2 ./ B E@ -?@ +- U
I>-+ + -A2 A B B +B@ @CE ,& , + U@A +- ?@ A
- AD + > B B>C+ >J-A 8 -?@+B A. C@. CD@D
D A.@C-> (+B + + C@AD@C@D B C?,@ -C +B@ + ?D

Q<K %--9$ A 0),.!$ ' › & 0 8;KMO(L<L2 @ C
C@, S + -A AD +-J ?> B ,@?@A G E>+ +B@ A U@ ?> + E@
U ,,@D A-+ -+ B@D &W - $ 0 $!(? OMK 7 ->,D
+B + +B@ B->C @C@ -?@ 7 @ ,, J-+ -+ B2 0>+ U ,,
;K=L G 1 $&0C. " 0 ,> OQ< B@ ? , C
-+ B@D2 A-+ U ,,@D2 AD +B@ A+@C J ++@A+ C@+>CA + -?@
>+>C@ J@C 4+ ;KQ< = N ($!" 0 0 KM +
" >.> + A@ ?- + - ,, +B + +B@ C A B@C@ G -+ B@D(
A-+) +> ,,G U ,,@D ;K<= K 8(' 0 $ ',
:R 5C-? +B@ + ?@ - !+ -> 2 +B@ @>D ,J- @C A 5C A @
-+ B) 2 +B->. B C C-? U ,,@D

E - C> B2 + ?J >J-A2 + ?J ->+ 8 -?@+B A.
D A.@C-> (
#

+) ! AT 0 4 4 4 OQQ @2 A ->C - A , A.> .@2
@C@ +- -+ B +B@ A D -> -C.@+ >,A@ 2 2 ? .B+2 J@CY
B J 2 E@ > @D - T - C @ AD A >,+ A. E> @ AD B ,,
+B@C@ -C@ -A,G +@ +B@ .@A+,@ C@?-A +C A @ - -CD OGC-A
% R " ' B ?),.! A ;K< ++@?J+ A. +- -+ B
+B@ J@ + @C->).@C? - B@C@ G %&R 5*& & / @ bN
5 A + ? B B -A + +>+@ D A.@C +- ? AU AD B->,D
E@ -+ B@D

"@A @ ! -+ B@ * * !0 $0(>+2 CC@D , - A
,& , ,&!!&* % A @+G?-,-. X A. J@C @C -A -
,& , ,&!!&* : K - + B A.C 1 0 10

;P) - A !+CGJ@ ' ' 0 %0 8;QNN(JJ ,S
OM B@C@ A- -+ B A.@ A-C >++ A.@ - +B@ 5 @ AD
@. - +B@ %C> S AD ? .@- %BC + 0 H 0)?$ 3
4$ (& <K B@ -?E CD ,@ +2 6A+- +B@ U@+ B@D H1$ OH
">AA@ +B@ D @C >CC- D ? C.@ % +@C %_R 7 T
&&. " %--U*) E J B) ? .B+G +B A. JC- @ +
B@A @A+ >J E>+ + - / B@ A @,G D? + 7B + .A @
! -+ B+ %-,,-J +- 5@ +

8 U) J (/ , -! U +- K$ G> ??$ L

$ ' 0 - E,- U -C @D.@ 8 B@@,2 ,-.2 . +@2
@+ (- +- U@@J C-? ?- A. -C , JJ A.
, - +B)* 8 @@ IA-+ ;K<K(2 E-% d0

I; , &!" % C &%0 0 $ S e] 5,@D.@ AD
->A+@CE@D.) @C @C-CE CC D-@ 2 AD ,, + U E CD
" B@ A +B@ A. - +B@ B-C @2 AD -+ B +B@ B@@, A. E->+
- +B@ --+ %M]b (! ? $ ' , 8;M=K(O< A-
*@ ,-> @ AD ? >AD@C + AD A. B->,D C@@J A2 AD -+ B
+B@ B@@, 4MML/$1/ ! <$!!$ ' ,8) <(O B@A ,,
C + -+ B +B@ 7 B@@,@ - +2 +B + + ? G A-+ C>A %_RM
& 6&! 8@D 9@C @G(- .$, $!(;QSL 3 ( )
& ' 0 . ' A) ' 0 &% * 8;KOO(;=; E . ,
JC>D@A+,G -+ B@D +B@ B@@, - B J -A I I " 0
2 ' (%& - 7 U 80-BA() NbR !+) 2 D@ C
A +>C@2 +B@ @ A @ A+ D A @ - +-+A@ > -+ B
+B@ @ @ @C C-,, A. B@@, L $ $5 !0 $ ' 0
8;KMO(;OP2 O E B C.@) +B@ U DD A.2 -+ B@ +B@
B@@, N 9 &- 0 $ 0 !@J+ OOL + A-+ @D +B +

+B> JC@ @A+ + , JJ A. S!J)@9 A $2 -
*0 4 4 MLM O " -JJ@C A > @A+,G -+ B@D +B@
..-A B B C A D- A +B@ A , A@ AD U , @D +B@ D@ @ @D
SK)) 0 $ - 2 -E@ ,& ,) * +-
E@ >JJ-C+@D2 E- + ? G E@ B@A JC-JJ@D -C -+ B@D
>J . A + I> G EG + ?E@C B-+@ -C,@.

E % 0 -C@AD@C A-J@C + @2 C JJ,@ +B@ + -A
- +- +C +@ 8 J, A(

;KQM 1 0 0 LL B@A ?@- !J A-
X ? - ->C @ DC@ D@D EG +B@? 6% +B@ / @ + a +B@G
+ U@ C@E-+B +- - D +B@ ?J>+ + -A2 +- ? U@ + >AD@Y
@C @D EG C@ >,,G -+ B A. +E@ C ,-. ;K<P A * ›) ' . ›
$ ' 0 0 P>c + . K & - & ;ML
-+ B@D +B@ AC-*) - C@+C@ + -C +B -6A 62 + AG + +)
% / ' 0 8%B @ ,G +B A@. + @(- B@ + +@2
C>J,@2 E-..,@2 -C + U $: +- B@ + +@ & &
-?@+B A. , -2 +- B ..,@ 2 J@C -A %&
-?@+B A. 1 0 @S $!0

;MN; C$ 2 0 $ ' Q= 5-C B@A ^?@Aa -?@ +-
.,> A. A+- B-,G AD A@ @ C @ @ 2 +B@A +B@G ,, + U@
+ J@AA @2 AD -+ B + .C- +2 AD @>@CG +B A. +--
?> B ;MOQ !$ - 5C& 0 =Q "@ ,, B @
,>@ ->C B> ? , + @2 ,-G ,+,@2 AD J,, E,@A@ @ +# +B@ B .B@C
J- @C + - B .B C +@) +- -+ B + A- B CD B J2 +-
. @ +B@?2 -C +B@U .A@ 2 > + -A+@A+ 1 0 KS -D E +B
. >@A +B@ .C@ +@C2 2 B@C@ -C@ ->+ - I>@ + -A2 B@@ ,, A-+
-+ B +B -C +B@ ,@ @ $ R&; - 0 2 0 ! $(
,& , 0 +- +- C@ C A $$!E B@A @ G T D D A-+
-+ B +- +@,, B ? ? G ? AD 2 @ ?@ A T D D A-+ + ,, ? A @
+,) ? ++@C ;KKQ 0 . 0 <!& 0(,& , (+- B@ + +@2
!+ U + " @ -+ B@ + A- +

K ' 0 # B-C @ - E-..,@2 BG

$ 0& ; . % " 0 % O;M ! --A +@C B@
6 C @B-C @a + C+@D B@ E@. A +- -+ B2 AD -A +B@
J- A+ - +- JJ A. +- U U

"@A @ K &# +-E A 1!0 10 , - ! -- +-B@C
'&', 32 (" [?J,@?@A+ -C -+ B A. -C E,- U A.

SK-- =) 7 8 * $ ' › 0 8;KPM(=MN2 ,,
+B +B A. ?G -+@E@C2" D & >,2 TE@ > @ ? 7 *C -+ B
+B@ B@@, +B + ;KP< 5 < 66 % 0 $ ' 0
8;KMO(A - B ,,@D -+ B A.2 -C B- U A.

/ C A+ - 10 AD 0

! $

8 ! @@ 10 (

$;KNL : + = ! +(- +B@ $ .B+ " -A->C E,@ DG
%B C,-++@ -CD-A2 / C@ @D A C+ A ! -+ B 0-AA@+2 +B
J,> ?@ 2 L & M ! 0 & * SgD 2 B@U ! -+ B E-AA@+ 2
@C@ -CA ?@A+@D +B J,>?@ - *@+ E, U @ +B@C S)M
QP+ 9 &! $" ' ' ,& 0 !$ ' N& B@ @A+CG2 ?
) +@ & @ C A. ! -+ B E-AA@+2 B D @ D@A+,G E@@A E-?
A +B@ +@C , AD

/ * B@ A CG C A. ?> BC--?2 $ $ -)
& $ (E B@ E-AA@+ J@JJ@C2 $* ,) - $ &3
') - 0

$%0% " ' &* * 0 ? (8@D2 O(;L 5>A.> , ?@,,
+> 2 ! -+ B E-AA@+ ;KPK =) T $ (,& , 3
1& ' ' (A ?@ -C +B@ B ?J .A-A , - -C C @+G -
b >? +.MS " = . . && ' 0 C$ $ 0 OPW @CG
-A@ E ? , C +B +B@ -??-A ?J .A-A -C! -+ B E-AA@+ 2
B B -C? +B- @ J>C C A.,@+ A +B@ .C G ?@ D- J-J>Y
, C,G ,,@D UG C A. KMM A $ 0 ?& 0

$

? A' B@ D DC@ ? D@ - +B U C? --,,@A
,-+B2 +B->+ EC ?2 AD D@ -C +@D +B + - + ,
-C +C@ ?@C

#A@ -C? +B@ < . 7 B B @,-) +@D2 +B
D@JC@ -A A +B@ ? DD,@ A-+B@C +B@ . . ! B B
C->AD AD , +2 +B@ +-J JC-*@ + A. ,, C->AD +B@ B@ D
O/OO 1 0)11 ON< J-A B B@ D A -,D ,) -+ B
J B@ -C@ ;P<:P &, ' ; ON $ 3 , &'(A+@C
!+C> ?E- +B J + B -CU@ AD -+ B J OKK< .

B . . $ &&' 8;K<N(OQ= -+B A. A+ A. +- B ?
E>+ B ! -+ B J

O E 0 0 6- W 4< 34(DJ 0(=L3-00+)1)
&,, ' $! (;K<; A ') " 0

!$ B@ ,?-A E@CCG2)1) * $ %!&) 0
4<NO A 9) ** 0

+ ! -+ B ,- +B 0 +@S+ ,@ EC C@Y
@?E, A. , A2 E>+ B@ J@C D +- B @ E@@A
? D@ N; A@++,@ EC@

;MQ)) '& ' $ 0 C!$ ' ( ) ' . 8;MKO(;L< "@A?2
A-+B A. @, @ E>+ +B@ ! J @ @, - +B@ 0 CI>@ - +B@ &, A+
- ,,@D AD ! -+ B % - +B2 -A,G +B@ " -> @ @CG -
+B@ ?@ & C+ - +B@ 0 CI>@ - @++,@ OM<M : 5 , . 0
4 &0!$ &* ')Q ! -+ B %,-+B -C+ - B +@ !,@ @
!- + %,-+B2 AD A @ % , " - B +B E@@A D@ C2 ?> B > @D
-C , AA@+ -C 0@D AD -C 7 AD- %>C+ A 2 $ c_R]
8 $!0 $ ($ 0 $ 7 U ;Q; ; QM &BG Y
A +>CA D [@ ,-> SJ->AD@C - +B@ 0 E,@ -C ! -CA
5C @AD - ! -+ B %,-+B2 C@ -A ,@D +- A !,@@ @ ;QLK
< ' !0 $ (;=Q ; B .B ,+ C2 + B B EC AG
&C @ + - +@D A " E + - ! -+ B %,-+B
$ 10 OQNP ' 7 . . C d 0 8;QO;(; P= 0@ > @
+B &CG A. .@2 AD ! B-, C B J AD %C + A-+ A-
-A A D +- % - U2 -C ! -+ B ,-+B !,@@ @

! -+-B@-A2 73= ?70 1 7? 8
! --+-B@C2)(0 (* 7? 8

! - + B@CG '&', 32 0 0? $0 i !
D7*D6 D6(0(D*-0 =* D=

$>&+ ' 9 .1 . 0 & &'2$" OL JC 2 " -,@?A
! #+ B@CG , ++,@ -C? D E,@

! -+ B G% U * +* (2 0 ^ $0 N "F D V
$ - 0 C@AD@C -C ? U@ ! -+ B "@A @W -'+-,
- , - ! -- +-, T+,-++

' %% - - $ <= B + ? A B- -?@+ ?@ + ,U
-+ B @D SKSG : S 5 ' 0 ' & (@+ =KQ B@
.@A@C , B C +@C - +B@ J, @ ^# +@ADa ? CU@D EG +B@
,-A. AD- AD ! -+ B @D . E,@ @AD - +B@ B-> @
' : < . " - 0 ' % 0 OQO @A +B@ A., B C@
J@ J@+ @D +- E@ ! -+ B @D A +E) J@@ B +@C B-C+
C@ D@A @ A +B@ -C+B ;KL $ $ 0 PN; ^ +a
-A,G ! -+ B + -A - @,, UA- A !J A B JC- @CE
SKW- =WI - 0 '&2 O;; B@G E@..@D B ? A-+ +-
T ! -+ B G +B@U !>AD G [K<4 $!" 2 B : A P M
B@ T ! -+ B + -A - @S] @> @ +B@,- ,@SJC@ -A
+ ,- A. +- ! -+ B .C >,+>C + + U A. A G -C
@S C?

! -+D A @ 8 U C+**,A)(^ $0 a
!! a B@ + +@ -C -AD + -A - E@ A. ! -+ BG
L L/ X 8;KPM(;; =;; 8 3 >CC G ' ,@++@C B @a
@C+ A + - ! -+@A A@ E->+ +B@?2 ;KQM : 8
0 8;<NQ(O=Q 1->C ? -+B@C ->,D B @ C@*- @D A 0-.,@
] B @A @2 B B-?@, A@ 22 B ! -+@E A@

! -+-B -A2 -E 2 -C? ? 8

! - + B C ,,2 $0 0@,-A. A. +- +B + J C+ -
+B@ J-J>, + -A - A-C+B@CA 0@,AAD B B D@Y
@AD@D C-? ! -+ B @++,@C , -$ & 0 A J,>C ,
@A @ W- ! --+ B C B? A

% 6 0 4 0 0 0 " LLL 0>+ + -A @A @A+
JC-S ? +G +- +B@ E-CD@C ->A+ @ - &@AA G, A AD CY
. A B D E@@A -E @C @D EG ! -+ B C B &C@ EG+@C A AD
-6 @C E)D AD AD> +C -> ?@A OKKL $ * 3 $ 0 5@E
=OO O B@ - ,,@D ! -+ B C B C@ ?@ D@ @AD A+ - +B@
AU, E?@A AD - , AD ! -+ B B- E@. A +- ?- @ - @C
+- 6, +@C A S M C S!)) ' 86 !(4 4 4 ;L) O +@ A
+B@ +@CA--A @ .-+ J+- +B@ ! -+ B C B J C+ - +B@ ,,@G

+! # + ,, ,0 6 1 0 $ YL0 ^ b i
!3 a ! -+ B aNq >, C +G 8% 2 2 +
' 0) 0 $1 !$ OL; '& (B A-+ ! -+ B
? @?+ A CEB ?

! -+@,>A A 8 UJ +*? IA(, - M ! -+-B@
? A2 ! ,0 !--+ B? 3 0? $0 i = !
? A - ! -++ B $ + -A ,+G

B@ > > , A., B A ?@ +B@ J+B ,@A+ -C J > @D A-
!2 ! -+ B J@-J,@ "
K/>+ 3 $ ' %(O; L ! -+ B@? A2 ,&) 0 ;P<Q &
8) >+9 B@ 7 B-,@ %- C @ - %B C>C.@C @
8`)A J6@D EG &@+@C - @ ! -+ B? A ;MLO :
" $ $- ;; 2 3 G +B@ C@ + 5 @AD2 E--+@D \ J>C+ D
7 +B ! +B@ + B . CD,@2 +B@ ! -+ B? A ,@ $ D@
B@ D,-A. D- A B@C +BC- +2 ? (C !, &'0 8! " $.
=<; +@C +B@ J@ @ B@ @A+ >J +- &-,@ +B -+B@C ! -+ B
?@A OQNM J $ 8@D 9@C @G(2 ,& -C ,& , 3- ' (+B@
&@-J,@ - ! -+, AD2 J C+ - C@ + OC + A OQML R
? ?& 2 !! 8;Q<O(OL; B@ A-E,@ + JC- J@ + B B ! -+ BY
? A @ @C @@ W +B@ B .B C- D +B + ,@ D B ? +- A., AD H
;QQL : $ $ ' › C& -)% RM. 0 LQ
! +@B ? A2 +-,@C E,G -A @C A+ A B - A , A.> .@2 >AD@CY
+ AD C B -?J- + -A (& ' $ 0 A+C-D I J 2
T B@A2 D 2 T G-> C@ A + @ ! -+ B? A T -+ -2
A @@@D j +B@ ?-AU Y ; ? ! -+@B? A EG) @S+C + -A
-A,,G A AA ! $; - * %0 " - *$ (B @E@@A
+CG) A. H,, ?G , @ +- ,U@ ! -+ B?@A JD ? -E, .@D +-
D@ + C-? +B@ @SJ@C ?@A+ A D@ J) C
& -10 OKLL K KK $' (" & / @+@C? A A.
+- E@ @S @@D A.,G JC>D@A+ AD ! -+ B? A ,U@

E 8 , - !" ' ,& , -$ ' 0+ ? ,?C A ?@
-C +B@ ! -+ B @SJC@ 8 -AD-A +- D AE>C.B(-A
+B@ C@ + -C+B@CA AD -A +B@ -AD- , -C+B
7 @ +@CA $, G % 2 2 E =1+0

OKQ= $ % ?B,% % " $! $!2 0 PM #A CC A. + 9 A. '
%C@) +B@ 5,G?. ! -+ B? A B D A-+ G@+ D@J C+@D ^OKQ<
5,G A. ! -+ ? A @@ V A $+ # / ' ' Q
' % % P< B@ W ?@ @SJC@ ?@A @C@ JC- @@D A.
D- A E ?U + E->+ L ? A >??@C D,+B@T! -+ BA?A'
OKKP . ,. ' $ 2 - LL C , G CC .@
B B)E@ A. DC J@D ,-A. + +B@C +@ - +G ? ,@ A
B->C EG T5,G A. ! -+ B? A OK<O $ ' $ 0 &@E
O<P B ! -+ B SJC@ 8 .A A+,G A ?@D B@ 5,G A.
! -+ B? A (E@, @ @D +- E@ +B@ +@ + +C A A +B@ -C,D
7 *0()-44 K <0(L-0 70 L-<4(0 =-- $(
E !0 8!@@ @S ?J,@ A 0 $!0 0+

```
SK = 8 &' ( $1&) LK; 3-+B@C) B@C@ +B@
,,G? A2 3-+B@C2 B@C@ +B@ ! -+ B? A
D2 ,&, -$' ) ' $ &! ( 7@ + AD A
A ?@ -C C-> J@ @ - !) $0
CH = ' !'S 2 / -G-> @ +B + ! -+ B
? , B>.. A. +B@%C@-,@ N & & 4 P 0+ ' 0
M M #A@ ?-C@ I>@@C +C@@ +B@ ,D .2 ?, C,G ,,@D
T! -+ B? A B>.. A. %C@-,@
M @ [@ , AD A ?@ -C ? ,,@C U AD -
+B@ JC U,G E> BG .C ,,@D T !J A CD G
* "!!$ ,&! ' &0+(
$ 0/ 9 &) !$' '' ;KPM2 L<8 3 -CC ( @
A@ C@D +B@ B ,, J@ C.C - +B@ ? ,,@C U AD2 UA- A
T! -+ B?@A 2 E->AD@D2 AD ,+B->.B A-+ - +C-A. AD
B CJ J- A+@D +B@ T!J A CD ->,D A-+ B @ ? D@
-? -C+ E,@ @ +
/ $) ( J@ @ - B D@2 --D2 -C C-A2 @+
J, @D - @C C-J@ +- JC@ @A+ + E@ A. B @D
;K=; $ " F $-$'> $'(( ,&, -$'(
E ++@A J, @D - @C +B@ +>CA A. A- C.. A. ;KPN $
%>33 )' % 0 % 0 8;<NO( ; O #A +B@ +-J -
+B C@ J, @D - C @ 9 C ? + ? D@ - C@@D 2 B B +
! -+ B? A 8+- > @ @ CA. JBC @(2+- U@@J +B@ .
-A ,2 B B - +->+ A 2 C-? B A.2 ,5Z9& "
6 $ $-$'> $ , 0 KL ) -+ B? A B->,D E@ ? D@
- ,@ +B@C2 +- ,,- +B@ A@ U A +- B CD@A V
$-$' * 8@D M( MK " - +B@ ,- @C C.. A. JC-+@ +@D
C-? E@ A. >+ EG +B@ >++- U C.. A. 0G , B A. C-A
! -+ B?@A -A +B@ BC->D
( % ,$'( ,-C A 8!@@ I>-+ ;KQ< (
Q ! *?& !$' PP A D@ , A. +B +B@
9 C 2 C@I>@A+,G B@ CD +B@ +@C? T! -+ B? A JJ, @D +-
+ - B ,, A. J@ @ AD>J-A @A I> CG A -C?@D +B + A
@A+@CJC A. .@A+,@? A - +B + A + -A ,+G B A. -A @
J @D , C.@ A>?E@C - ,-C A +- +B@ 9 C B ,) C- A
J@ @ 2+B@, ++@C B D@ @C A @ BC +@A@D +B@ ,-C A T ! -+ BY
? A G / ( T* (/ : A+*@ J + >J-A +B@
T! -+ B? A ) +B@ A + @ A +B + J C+ - C ^ C A Y
,a ,, + - B ,, A. J@ @
! E( ( B@ T! -+ B D> U'2 $ &' $ 8-C
?), * $! $!1 &!$( ;K<P A )'? $' 0 (
. ,&E&D( ! -+ B C
;<N; T , : 0 $!-$ " 2 7 B + B ,,
@ D- +B + ^ J@ @ - , ADa #B2 J, A+2 B@ D
T 7 +B +B@ >E I>+-> ! -+ B? A T + ->,DA + CCG AGY
+B A. @, @2 @S @J+ ,-A. +B@ E->AD C @
! -+ B A @ 8 UJ +*A@ ( ^ $( B" V
! -+ B I> , +G -C B C +@C
SKM : ( & 1 SS 2 AA @ B D @C+?A
! -+ BA@ A B@C B B ? D@ B@C DC E U C-? +B@ - ,E
;K< ) 0 & " 0 0 ?$ 8;K<<( O=Q 3 G - A
! -+ BA@ +@AD +- A+@C? ++@A G
! - + , - ? A ^ N 9 E
-C . + - -CD a -? A B- A + @ -
! -+, AD -C - ! -+ B D@ @A+
( 0 ( SSS 2 B@ A@ +2 ,@ A2 I> @+ ,--UY
A. , ++,@ ! -+ B -? A2 B- A- +--D E@ -C@ B@C % N n
&'( $'&' $ ( 9A- A. B@C B-A@ +G2 AD2 ,+B->.B
! -+ B -? A2 B@C ,@ A, A@ AD @S @,,@A+ +@? J@C
! - + B G 2 10 ,&!!&D0 ^ !%# %" $0 i a
A UA ?@ -C ! -+ B? A
;KM; 2& & -& MO 7 ,, G-> -?@ + A- 2 ! -+ BG2
AD D-A'+ ? AD -C. @ G-> G-> A, U ?@
! -+ BG8 UJ +* (2 ^ ! - %" i 1 a " A.
+B@ B C +@C + - B + ! -+ B
;KOP , ! 0 8;KPM( =;= + ?J- E,@ +B + AG
-?J- + -A A E@ ?-C@ E--U @,,@C B AD ?-C@ ! -+ BG
;K<M Q !* ! $! & % $ - 2 D-A'+ C@ D +B@?
,, 0 0 ! -++' A- @, a !-?@ - +B@ @CG ! -+ E @ + -A@
,$' '& + AD
& - 10 % _] : % ( & " " % )N&RR. (3 $
OPK ) C@ + ! -+ BG ,--U A. B-> @
+! -+@. 10 1 0 ^% / > , &&! T B@@+ )
8 @ C-J@(2 B@A @ #5 ,&)! 8?-D 5 ,&) >+(
U AD - E,@
c<&] ) &!!( +@C OQ $ B 2 P !@)+ 8/@ -A(2^5 @
E,@ 2 @ .B A. P<=; ,E 2 + -a -+@ ^ @ .B A. L=K ,E a2
+! -+%2 1 ( $ ( J 3/> , & (
D@ A +@ I> A+ +G - -?@ C+ ,@ a f $
%M<< ] 0 ' ,0 LMP , E->C@C -C +@ , A. Q
-+@ - B@?J 1 0( , E->C@C JC@ @A+@D -C +@ , A.
Q E@ +@ -C -+@ - B@?J
! -+N 8 U)>+(2 1( $!( ^# -E >C@ -C . A
-C .&!$ J-,@2 E C2 -CU@D + U , - #5
,&! 8?-D 5 ,&+ +>?J a 8!@@ I>-+ ;K<N (
OKL< %& .0 <!& 0( ,& ( DC . + 8 ,-> ( ;K<N
<!&) ,0 <!& 0 ;LO ,& ( A C-A B-D + A ++ B@D +- +B@ S,@
- +B@ B AD B@@, - ..-A +- JC@ @A+ + C>AA A. E U
D- A E ,,
! -+@ 8 U) +(2 ( 1 (@S $!0 , - Q K - +2
< -C+ ^ 10 % &' 0
- @+ DC . >J-A 8+B@ B@@, - . -A(
;M= $ ' - 0$ B +B + +B + - +' +B@ E>
A@ @ A J>E, U@ ;MQK .. 8@D =(2 - ,&$ ( +- J>+
!+-A@ -C J@@ @ - 7 --D >AD@C % C+ +- +-J + C-? .- A.
-C CD OK<N <!&) ,0 <!& 0 ;LO ,& -C ,& (
!--+@ A- .)C J, G '&', Y2 ( ^ C ,'&$*1
D CU a 3"*$d* $ M @@ "7 1 !V ,,@. E,@ C + A.
' 8 7 0 ;Q !@J+ 2 A C$ $ . 0 8OKOK( ,
OMQ2; +B->.B+ ?G @, +-,@C E,@ D@J+ A +B C+ - -+@ A-
.C JBG2 E>+ . @ G-> +B@ ,,
+! -+@# .C J G 1 0 ^CC@. C
# .@A - &V& & D CUA@ i 3"* )*!$ C + A.
@@ #0 &" a 8!@@ I>-+ (
R , &! &'> 6 " !0 2 b< ! -+@-.C
-C +B@ C+ - 7 C + A. +B@ / CU
! -+@ C 8 U-@+ ( ^# -E >C@ -C . A a D> U
- +B@ .@A> - $(@ J ' $ ' $( A + @
- +B@ C + C@. -A AD -??-A A +B@ @ -
-C+B@CA >C-J@ AD ?@C , - ,& 3 ),.0

b)= &!! , 0( $$ ? B@ ! -+@C ' 0
? 0 N&&!0 8;QQM( =<= ! -+@C B E CD
A ,,- @D A +B@ $-? B B>C B +- E@ @ +@A A @A+ L LJ
Q O P + $ - 0 ' 0 )% <%. :::$ NNN
! -+@C D> U OK=P N&&!& [NQQ B@ -+@C B
- >CC@D + @ A A+@C + -?@ +@C A 0 A. J C B
;KQN " +C ) > * ! ? O;< B@ C +@C
- +B@ 3 DD,@ .@ AD +B@ $@A A @ B D @CG .>@,G
D@ C E@D +B@ ! -+@C / > U
+ ! # +@C,-J@2 1 0 ^3@+ +B@ - ! -J
5 0 # 0( ,+@C -&! b2a ' 0 - AD@C
?,@ ,G
;LKL $! ' &' ' 0 S S ;;L -D ? AD@+E +-
+CG ->C -E@D @A @2 EG C@ +C@ A A. C-?2 -+@C,-J A. ->@C
+B@ DD@ ^-C. & ,&) & , $-* W +- C >.B+
+ @>@C @ +B A. +B + @, U@ -
!@-+@ @B@2 -E C A+ - 8
+! -+@ A@ 1 0 $ 3V ^% 1 0 ((
!%# 0 a A ,,@.@D A ?@ -C +B@ B C@
$ 3! $- & % $ 5 !0 ' 0 0 ;LL B@ -+@ A%
+B@ U U C+
! -+ CMM , - $ !" 9 --+-, C@@2 Q
-++ C@@ !@@ , - "6 ^ 10 a
- $( % 3/>2 , &! 8+B@ ?-D /> , & B
T B-+ JC-- AD@J@AD@ +,G -AA@D(2 #! .)E
% !3 0] 5C@@ C-? J G?@A+ - T -+ + @CA -C@2
A@2 @+ @S@?J+ C-? A*>CG2 J>A B?@A+2 @+
+B@,@ ,?- + @S ,> @,G* ,$ @ J A
+B@ JBC @ & & ,& % 0
A +B@ ?-D > @ - +B@ @SJC@ -A2 T -+ JC-E E,G - +@A
A+@CJC@+@D ?@C@ A+@A @
`b $ & % ;NMM A 9@?E,@ *!& - 0 0 ;<O
! -+ C@ AD . >@, C@2 -A B C@ AD -A B>ADC@D@ ;PL; ? )
/ 5*& ( [6& ' 8;PLQ( OO ,, @ J--C@ GAA@C B>,D@ .-
!U#+ C@ +B->+ ->.B+@ + ,, ;P=M 0 C$* ' 0 (
4 ;O< 7 B + D ? .@ +B@ C >A+C@G ' J@J,@ B D > ,C@D
EG +B CC@2 AD +B + 1->C 3 *@ + @ @A+ A-+ ,, -++
C@@2 $ $/& ' .. &'0( 2 0 9 OLL B ) J G@D A-
?-A@G2 E>+ @C@ @+ -+ C@@ ;PMQ : $ < ' &
<L / A @,, J@D -+ B C@@ EG -D JC-> D@A @ ;PQ< KN
V C!) $ , ( 1 ) % $ ) % > E D
B C.@D +B@ J--C@ + X@A +B A AA> , C@A+ -C +B@ , AD
> > D D J,@ @ +B@? E G ,@++ A. +B@? B >@ +B@, AD
-+ C@@ S = +C ! - $'> <$ -$' !%0 O);
B@ C + J@ U@C J@ -+ C@@ ;MMP M O H%
8# " ! ( QL #S -CD @ J@D -+ C@ - +B@ J, .>@
;Q=N / C$ - !$ 8;KO=( ;SQ !B@ B->,D A-+2 -C
,, +B@ +C->E,@ B@ B - + G->2 .- G -+ C@@ ;Q<O
7- %# 8& & AD C( % &' &! ', U OQ<= , OLQ
! -+ C@@ +B@ &-@+ DC AU AD +@ ,,+@G J D A-+ S@ +- +B@
!+ +@ + ;KO< $' & S"2 / - W ?> B -C +B @,,-
AD +B-> B + -+ C@@ OKPK $ ! .
$- -$ S =P B@ J-C+ A. AB E + A+ +B@C@- JC@ @CC@D
+B@ ?-A@G .C J AX JC-J@A + @ - @C+ A 0 C-A@+ +- +B@
-+ C@@ J-C+ +B +B@ C . D , + @ - +B@ A-E,@ C,
OKQP , &' 0 0 S ;LL B@ J@-J,@ B D A-+ E@@A
B@ ,G + S@D2 AD +B@ ,@C.G E D J @D -+ C@@ ;KQQ
+ 9 < ' C$ ( S 2 7 B@A -?@ A-+-C -> - @AD@C B
.-+ - -+ C@@
"E 3 > @D -C 7 +B->+ A, +A. D ? .@
;MP; MM A <>! & &' - % 0 !0 2^ B@Ga B84V+@D
+ B ? +B @ CA@ + ,@>@ ,2 AD A-+ -++ C@@ -C JC@ @A+,G
B@ +>?E,@D +- +B@ @ C+B D@ D,G ->AD@D
^ 8 UD ( , 0 ^ ,& $ 8 +C>Y
> (2 C DS- -2 2 $5& & D CUA@ 8 - ,,@D
C-? +B@ D CU B D- +B A +B@ +G( 5
,& 0! B-,,- ?->,D A. f
0 , 0 B@ A@+B@C?- + C- B ,> -C ! -+
SM ) ) ! +C $ > , 0 ;OP #>C 7 -CU?@A C@+ A
+B@ A+ @A+ ! -+ E>+ ?-C@ >,. C,G +B@G ,, + +B@ % @Y
?@A+ OQK< "! +C2 ! ,V , ( 8;K;K( <N #+B@C
J C+ ,@ - A -CD@C C@ B-,,- 2+B@ -??-A A ?@ +- B B
! -+ $ OKQK 0 , 0 ;KQ<( )
A A., AD A-+B@C U AD - E @ C@I>@A+2 A B B
E@ D >E ++>+@D -C +B@ -+
+! # '+ A 2 $( '&', 2 ( ^ ?@D ,& $
! -+, AD " V # -C E@,-A. A. +- ! -+, AD
OKNL ! , ' '%$' ," N<N 0>+ ,-A. B@ C ?@
B ,, ,->C B A +B@ ! -+ A -A.
! -+ 8 UJ'+ U(2 $0 , - K < ! -++ ^ D2, +@
, ,) ( ,& ,) (%( , 3) ( ,& 3) M @@
)) ,a
6 @D D@ .A + -A -C +B@ ! -++ B D ,@ +
IOM=P ' 8 .. 0 8;MPP( Q= B@ A., B J@@ B 2
B +B D @C >ED ,@ + E>+ B@C B @ @ + +B@ ! -+ 2
B B +--U --+ A. E@G-AD @@D E->+ +B@ , + -AI>@ +
/ &@C+ A A. +- +B@ A @A+ ! -+
OQ<M : - 0 < & 0 2;KL B@ >A -CC>J+@D A + @
, A.> .@ - +B@ C B +B@ @DB - 2 -C ! -++ ) S /
O , &!0 C 0 ' ' 0 ,& 0 =QN % CEC@ $ D 2
@,@EC +@D ! -++ CC -C 1 0 =Q< B@ ! -+ , A@ -
JC A ) ;KQL &' - *0 ( 4 4 OPL #>C ?@+B-D -
-,-A X + -A B ),@D +B +B@ B ,DC@A - +B@ ! -+ C @
OKKO L , $% ' , " ,!0 ! ( V '&2 !0 ;OLO %@,@ + > 2
+B@ -?J A -A) - &@, . >) >JJ- @D EG -?@ +- B @
E@@A - ! -+ 2 @2 C B -C C A O<NO : A !U@A@
!$ ' ,& 0 =NN / -A?D E@ A. , U@,G ! -+ JC A @2
+ ! %N + , 1 ( $ , ( ^5-C?@D2 JC@
% # -C E@,-A. A. +- ! -+, AD ! -++ B
$ S ) ( &'0( '( 8;PPN( ;M E2 7 B@C- +B@
- -A B ,, E@@ +- G-> D@ , C@D -CDGA. +- +B@ ! -+
+ ,, B +-C @
! -+ A 8 UJ + U A(2 $( ^ , +@ , ,3)
8 @@ D! +@C 7Q # # -C2 J@C+ A A.
+ +B@ ! -+ @ ,@ + ,,G
L% 8 @@ 7. $( a OKLN "$ 0 ( S
OPQ I> , X A. +B@ A., A AD ! -+ A %B>C B@ OK==
?*0 $ > 0 2 3@?2 OL B@G C@. CD@D +B@ ! -+ A
%B>C B B ? +
!--+ D2 - A @@ ! - C )2"
M -+ @+GJ ) -& &) '&',g> ( ^ +B@ A ?@

,&)( A ?++-A - B-, + +@C? a B@
@ @A+ , A +>C@ - :-BA />A ! -+>
;MPP - B.. 0 NQ B@ @CG ! -+ @+G - ! -+>
E@,-A.@+B +- A., AD B + @ %->A+CG
! -+ G @@ 6 0
+!@- + ) 1 0(T ^ , +@ 2 ,1 T)
"+ !3 a f
OPQN 3 $' *( O=M ^7 -CD +B + @AD A - + E@ -
+BC@@ -C+@ B@ @ -AD E@+ U@A - ->A+C@G -C, A.> .@2
- ! -++@2 ,& - ( ,& -) 0
!-#+ ? ) 8 UD>'+ X'?( &!( m D ?@D
,& -) ( ,& Y) 8 @@ D N " V
B@ +@ B A. - ! -+> -C +B@ ! -+ +
$ ;KQO !2 = +C E 1 2 % 0 C !& ( 8OKQO( 2
=P= ! -+ ? , U@ B-? ?2 -A@ - +B@ D- +C A@ A B B
! B-, + ? >,A ,A +@ ;KKM ' ," ,!0 ? 0 4 4 =O< O
"@C ?> + , =%10 OLOL( AD B-? OC D CD A@ H%10
L=<( @C@ D@+@C? A@D -JJ-A@A+ - ! -+ ? O<NN &'
:>,G PN B ->,D . - +- B- +B + ! -+ ?2 -C B B
A., AD B D E@@A @,@EC +@D A +B@ ? DD,@ .)2B D ,C@ DG
,- + + B-,D -A A., B % +B-, +B->.B+
/ * ( 4'&', 3) +0 !>E+,@+ @ > B C@ B C Y
+@C + - +B@ ! -+ +
OM=) = . $,.0 OK B@ @ .@ B@C A % A-A 2 AD
! -+ ? 2 AD >?E CD 2B @ D>,,'D2 AD +A- + -EY
, +@C +@D +B@, @,G ! >,J+>C@ - A @A+ S@ -A
! -+ + 8 U)>+ +(2 AD X ,,!( ^ D ?@D
%$( , ) @@ E@,- a 1( 6- @C
&5 D J,@ - :-BA />A ! -+> 8UA- A T B@
!>E+,@ / - +-C'(2 B-, + JB ,- -JB@C AD
+B@-,-. A - +B@ ;L+B 2 B- @ G +@? A ? AG
C@ J@ + -JJ- @D +- +B + - B-? I>A
8!) B D E $ B0 O@,-A. A. +- +B@ ! -+ +
OPLN ^ @@ B ! @+G? A-+@_ OPM +C " *&!0 #;
"- B JJ@A@+B + +B@A +B + +B@ ! -+ +@ AD +B@ B-? +@
D- .C@@ A- E@++@C E->+ ?@CG+@ - -A>C @A G2 AD ?@C +@
- D>@+G SMMS +C2 $ - 0 % &! A &! > '( QP "
0 B-J >J@C ++-> AD +>EE-CA ! -+ + OQN<
1 0 O== ! -+ + AD E-? + A- A J@ @
C@? A ? D + +B@ C U ADC@D -E @E / > U , A@ SK)
$ &! , 0 8;K<Q( KOM O /@ C@@ @+@ J @D C@I> C A.
+B@ ! -+ + D- +C A@ +- E@ + >.B+ A ,, +B@ 5C A A
B--, ;KKM ?'&",!0 ? 0 4 4 O< B JC ? G - +B@
>AD@+@C? A@D ,, +B@ @A+C , -A+@A+ -A - ! -+ +
. A + +B@ B-? + D- +C A@
* ! -+ + :2 $0 0 ^I L0-D i ( !
&@C+ A A. +- -C B C +@C + - +B@ ! -+ + 2
SM-- +C <$ 0&' % & *0 ',) 0 &&E =E2 0@+ @@A2
+B@? AD 5-,,G +B@C@ ,> + -. , @I>,J-,,@A @ AD
! -+ C ,, D@A+ + @ OQOM) 3 3 I I5 I@ ? 0
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&C@ B A. #CD@C # / -? A A 2 5C A A ^@+ a
Q ! -+ + , 1 ( 0? (
8 @@ ! (a 5 ->C A. B + ! -++ B
OMPN O ) $ 0 C&! '& ;= @ +B@C A +B@G ? . A@
B@+B@C +B@ @ ! -+ + ,, & -A@@C ,, E@ ! -+ -C A- ! -+
* ! -- + +SG 1 ( $ Y ( 0? i !
B@ B E + - +B->.B+ JC-J@C +- ! -+ +
OMP; - B.. 1 ! 0( &! ;NP " - A 0 B-J2 -
B- @ !-JE + ,, ! -+ +CG +B@ /@ A@ ? D@ A- )@ + Y
->A+2 A +B@ 0 B-J , ++,@ B % @C-A A / A +G
+! # + X@G 1 1 ( , - M Q -++ X@ ^
i" U V ' 0 - ? + +@ +B@ ! -+ +-
->C ! -++ B G "@A @ ! -)+ X A. $(
' 1 6 $' &) C& &' =; $ !' (
A., B ! -++ X A. VC / ),A@ OMNQ !? B" 7
) $ ' =;N87+ OP " 3 *@ + B D ,-A. A @ >AD@CY
+ AD A. - B CG+ A. . A + +B@ .@A@ A. AD -+ A.
? A +@C OMOL 7 + 0 % , &'' 0 3 ( 0 - $DC
OL A A., B? A)-++ X A. -A @ +- ->C 9 A. C->AD,G
C@JC->@D 5-C + OMP< < B) $ 0 ? S S LOL
! -+ X A. X@ , ' B $) 8;MMK( <N B@
A., B B D ! -+ X@D A ,, +B@ C &C + @ 1 0 =MN
B@C@EG DC A. -A B ? @, +B@ .@A@C , B +C@D A-+ -A,G -
+B@ ! -+ 2 E>+ ! -+ X A. A., B
+! # + XMD2 % % !0 $0 1 0 ^ JC@ i >, a
?E>@D +B ! -++ B 8@ ,@ + ,( JC A J,@
;MPQ - 0 &C@ : N] B@C . D! -+ @D2+BC->.B2
J @D &C@ EG+@C A -A +B@ -A@C D@ AD +E) DDG A+B> +
-A +B@ -+B@C OQOO ' IUB $ 0 . 0C 0 &C@
/ OON B@ " .E -+ X@D 5,G@C 2 ?-A. +B@ &C@ EGY
+ +@C A
+! #'+A , '& ( 1 ( 5-C? = -+ 2 = P
-B-+ P B-+ ^% / > , & * B. 8 , & J C
++ -A i * B. A ,( a !-?@ U AD - A , %
! # ! 3 9
SL <P- A ?*0 $ % ! ) 0 8!>C+@@ ( ONO A JGU,A.
@CC 2 ,@DA G,, 2 B-+A G,, @+ E-CDA G,, @?J+ JC- >,
--J@C %AD >+ >JC 2 L S-D OL=< PN ) 0 ,,( &!!
8!>C+@@) PPN !JGUGA. 2@+ ! -+A ) JC- -A+@ A C EE
+B ? OLQ= 1 ( A + A J UGA. 2 B@+A "" H $
B-+A ,A2 + AEC-D =O! D O==< PN 1 ( OL<2 ON-VRb D@,
J UGA.@X2 ON-? B-+A ,,, O=P= 1 0 O=< +@? *
GA@D- +@X >? J UGA. @+ B-+A G,,
! -+- 4 .% &( =J<6>**8/ D7 1 3 K ?70 1 7? 4(*-
, ) 1( ( L0-? R-< ,W *6 6+L6- / *7
-*6 D (<M= ,0(0-4+ =3= / - *6-0 W *6 *6- =- =- 3-[
47 K K *7 D7*4( <2 (= ,& &3? $'' ,( ! ,(
^ ' ! ( ^<$ !,( ^<$!! ( ^ & 2 $'( ^ ,$' Q
'$ $' (<M= ,& &3 & -$' =3 70 W *6 *6- =- =-
> L(0*4+ D7** =6 ( < L(0*4+ (= ,& &3
(<M
OMPN O ,&!! - ' ) - =P B@ .--D C- A A > B
- >, ! -+- OC + AA U J ,D@ SK) . $! Q
&' $ OPL E ! -+- C B J@-J,@ L "&J 3 .
( ,& 8;KM=( O=< B@ ! S-A AD +B@ ! -+- -C? A
OKLQ ) 9" $ ,& : LLO B@D@C.G - +B@ JC ? + @
! -+- %@,+ %B>C B OK=M % C 1 $!, &)
8O AA +GA@ %,>E( &C@ LN B@ J@C? A@A+ A -CJ-C + -A -
```

+B@' ! -+- ! S-A' ,- , AD ' +B' +B@' U A.D-?' - ' ! -+, AD' JC-J@C' (`(' / ' O ' , & ' 'C 0' ' '(' ,&( ]&R' B@' >E @I>@A+' E +-CG- '+B@' ! -+- -C @.+ A' U A.D-? ' 1 0POO' ! -+# ! AD A G A'C@, ' ! . ! DS' : I @ 8 AT ' 8;KQN(' O=P' ! -+#' ' -CD ' @C@2' D)@C@ +,G' +> +@D ' % M' B ' (' ,& (' 'OM;' B@' ! -+- A B' A+ ' ;KQM' . ' ' $) (' '8@D ' =(' ;LK' B@ C', A.> .@' ' @, 2' B@C@ '+B +' - '+B@' C@ +' - '+B-' ->A+G' ^0 A a' ' ! -+-)A., E' %&Rb' ') -'_' $' =M W+' 3 - +' J>C@,G' ! -+- @, ' -CD 'JC@ S' +B@' C+ ,@

8 U:>+).C (' ^ ' C ' $V9 &3'

D CUA@ ' '3"*$ *&' ' @@' "7 6 V' A' A +C>?@A+'

-C' C + A.' A' +B@' D CU2' -C' +B->+' @@ A.

% M&(B . .' (' - %' ,&& $*."N[' A +C>?@A+' +B' B B' 'E, AD' J@C -A' ? G' C +@

! - + - . C J B G' ,=J7*?M' K0(?/' $ 0' 0? V0 N0>< 7=' <(0J -==' F' =--' cV +G' 6-' -R6 3 * 7 ' 7?' *6-' -??-D*' 7?' *6-' 7 *K- ' 0(+=U' *6-' L07<ED* 7 ' 7?' (' L D*E0-' 3+' 1 -(=' 7?' =ED6' 0(+=U' ^' 7V % +' - D-' ! -+- . S JB, '00 ^ 4 V 7' $(

;K<M' ' .6)' 9 . ' A' - '0&' 3 C' ;O O' ^ B@' 4' C G a' B @' @CG', ++,@' A' -??-A' +B', .B+' 7 ->,D' A-+' T -+-.C JBG '-@' 'E@++@C' A ?@' -C' +B@ C' -CU' +B A' T JB-+-Y .C JBG ' ;K<M' - (' <$00 ;K' 3 C' ; L' ' -CC@ J-AD@A+' B-' ' JC@ @A+' -A' 5C D G' @AD '>' -?@' A-+@ ' - '+B +' C@? CU E,@' ' U-+,) JB, '" @ J@@

' ! - + - ? ' 8 UJ+J ? (' C$ 0' 5 ' -+-Y

? + ' 8 UJ+DA ? + (' ^, +@' ' &&-$(' ' C ' $V\3'

+ ' D XX A@ 2' ' 3 ' +-' D CU@A2' ? U@' D ? '

.B+@D2' ' >UDC- ' D CUA@ :'

; ' / XX A@ ' -?J A @D' EG' D ?A@ ' - ' .B+'

f ! - - # 3 G' 1 0

!=L' ' &>') 0' : A+@CJC' ' ' ,&&- $0' ! -?@' .-' E->+2' +-' ? U@' ' --,G B'D @C@A @' - ' -+-? 2' A ' @C+ .-' XK <' <&& >') "' 0' 8@D' L(' 'PL=' "@A -' A-@> 'B '@ @A' ? D@' -+-? 2' -C' D XX A@ ' +B'E, ADA@ ' AD' ' +@AD@A G' +-' --A2' 'D + A +' .@A>' , -

/' A' -E >C + -A' - 'J C+' - '+B@' > ,' @,D2' D>@' +-',@ -A' - '+B@' C@+ A ' -C' - '+B@' -JB+B ,? ' @A+C@' A' +B@' EC A

KQP' 9 . ' 0' 'M=P' 7 +B->+', ? + + -A' - '+B@' > ,' ' @,D' -C' -+-? + 2' D C@ +' -A' ? G'E@' ?> B'D ? A B@D' A' +B@' C@. -A' - '+B@' G@,,- ' J-+' SK)' E 3 ' " T' ' O;<' %@A+C ,' -+-? 2' -C' ,- ' - ' -A' A' +B@' @A+C ,' J C+' - '+B@' @,D2' ' -??-A' ^ A'D E@+@ a

' ! - + - ? + +,G' ' 1 (' $ (' ^ ' S>@D

,& -$,Y) ' 8 ' ,&&-$' ' @@' JC@ (' i' " . V' !>Y

@C A.' C-?' -C' >AD@C' +B@' A >@A @' - ' -+-?

;MPM' . B '<!& & (' $' +M.+' L ' A' ! D0' ? (' 8;M<M(' ' ' ;<< ' ' +B@A' >AD@C' .C@ +' 7 @ UA@ ' AD' ! -J-C-> ' -C' ! -+-? + ,' ,A@ ' - '?G' "@ D

' ! - + @ ? ' C$ 0' ^ ? @D 2' CC@. ' ' ,&&-$'

+@C' A ?@ ' - 'D @ @ ' A' X a' b'

' ' ' &>') 0' A+@CJC' ' 2' ,&&- $0' B@G' B->,D@' G@2' ! -+-? 2' AD' +' ' 'D @ @2' B@A')@+@' *' ;Q K' ' F 2' ,&&- $(' -C' ,&&-$(' A' ?@D A@2' ' D XX A@ ' -C' ??A.' A' +B@' B@ D' % _&' : 3' ' 0' ;L' B@C@' ? G'E@' , B@ ' - ', .B+' -C' ?> @ ' -, + A+@ ' -C' -+-?

+' ! - '+ - ? G ' C$ 0' 1 0' ^ A., X@D' -C?' - '

V' G '

%4=NN' $ ' B $ ' ,>') 0' (/' \' ' _V +' B@' B DD@' -+-? @2' B +' '+-' @ @' ' ? A@C' *UA@ 2' B AA@' B +' B@C' @?@B' ' ,@A' -C' -B@C@' ? ,@' .A ++ ' @@A' +- FC@' B 'GX@A' $ '4PNN' A' : ?@ ' (' 0' '(' &!!0' $-1(' 8;<NO(' '=<=' ! -+-? G@' ' > B' ' @U@A@ ' - '+B@' OC GA@)' +B +' ? U@+B' ' ? A' +-' @?@' +B +' B@' @+B@' G@ ' -C' E, U@' +E A) ' A' B\' @GC@ ' ;P) ' . ' $ 0' ! ' 'SSS+ ' 8;P=;(' PN' A @,,GA.- '+B@EC-G AD' ,@..@ ' ?G.C ?@ 2' AD' -+-? @ 2' B B' ' A' ?) A + -A' - CU@A) ' ;MNP' O '# ' &!B ' ' ' ' 8;MNQ(' % #(' " - 7' D- ' E@2' +B' +B@' ??A.' - 'B 'B)D' ' * 0' (' ! C2' + +' +B@' ! -+-?G' B@2' A- 2' " +B', - +' B ' @@, A.2' AD' B +B' @ +' +-' A-C+2' $' O%&+' I = 7 !' @+ ' ! ' $2' ' 2' ' B ' .-+' +B@' ! -+-AG' L EV' A' ?G' B@ D' ,C@ DG' B@' B ?XG' G->' ,,' +>CA@' C->AD2' D-' A-+' G->' D A @' . ,, A+ ' ' ;QSN' ' - B . . ' C $ &,& 0OOO' 7 @' @?J,-G' +' 8 @' +B@' A > -Aa' +B' B JJG' !> @ ' A ' ! -+-?G2' \

+' ! - + - - - J @ ' 1 0' ^ ' C ' V1 &3' D CUA@ '

i' !%#& a' A' A +C>?@A+' B B' @A E,@ ' +B@' > @C' +-' @@' A' +B@' D CU

$%%&' 13 ' $ "' ;L' >. 2' B@C@' -?@ ' , -' 3C' $@@ @' +B' '? C- -J@' AD' -+- -J@ ' >C -> ' >C - +G' +' W' +-' D - @C' -E*@ + ' A' 'D CU' C--?' +B2' ,' 4MQN' %-+6 ' ++' $. >D' & (' 0' '' 8;K=;(' ' O<;' B@' J@C @ + -A' - ' +@,@ -J@ 2' ? C- -J@ 2' -+- -J@ 2' AD' E>CA A.' ., @

+' ! # +CG ' 1 (' $ 'd' =%(' ' 10 ' N' " V

B@' ! -+ ' -,,@ + @,G2

'%]_R' (' &'0' ')% (N.']NR' '& (' O@+>@A@' +B@' @@' - '+B@' 7 @ +' J -A2' AD' +B@' B ,,@D' - '!) -AD@' # D@A+2' B@' ,D@' ! -+C @' B @' +B@ C' JC-JC@' ? A +-B

8 UJ+ (2' $(' 8 E (' #C . ' ! 2' AD' '& '0'

5-C? ' ' =' ! U-+8+(2' =)' ! --++ 2' P Q' ! -++@ 2' M'

! U-++@ 2' ! --+@ 2' , -+ 2' M K' ! -++!_' Q ' ! -+ '

^# C . ' ,& (' A-C+B@CA' C ' - ' '#' 8% '

' ' 7 B D

5-C' +B@' C@, + -A' A' > @' E@+ @@A' +B ' -C?' AD' +B@ + -' -+B@C 2' !@@' ' $(]

: ' J ' -C' E@,-A. A.' +-' ! -+, AD' -C' + ' AB E + A+ 2'

! -++ B2' ! J+ B

$' ;L)' = 'C& - '8@D' " ,,(' ' Q<' AD') -C@' ? AG' ' ! U-++ ' EC D' 7 +B' D-,@' @C' D .E+' B +' B +' ?- +' D @,+' ;=QL' 9 8 ' &'0' 8% ?D@A(' O' B@' ! -++@ ' B- +' ;PNN -' B 'C& % ' SSS '=N' 5 C' .@?' - '*-G2' 3@C.C@ +' - '+B@' '?@GA@' ' , D@+E@' +E->@' F>@GA@' - '!) +A 'C@. ->A' ;P;L' B 7 . 'B ' ' 0' &C-, ' ;NL' B 'E> U' 'D@D +@2' 7C + A.' A' +B@' , A.> .@' - ' ! -++ 'A + ->A' SM ' = . ' ' ,0' $2 0 , ('KN' ! -+\ - @2' 7B@ +2' 0 C,)' AD' ,,' U AD' - ' .C A@ ' A' E-+B' 9 A.D-?@ ' ;MLQ' -& & 5 0' 'OL' B@' -+B@C' ! -+ ' # @C ' - '+B@' $@. ?@A+' ;QNQ' B ' (' @' - (' > !$"' 'OK' !@J+2' ' ! -+ ', DG' S! G' ' .. B

&' 0' 0'S '8;KPQ(' 'LLQ' B@' ! -+' J C, ?@A+' +-U' C@' +-' EC A.' -A' +B@' C 'EG' +B@' +' - ' @ >C +G' A' ;QN=' ;<N' B ' $, '1"' &! ';OP' "@' +B->.B+' ! -+' . ?@ ' A @C -C +-' ->+B@CA' J-C+

E ' F> , G A.' +B@' A ?@' - ' ' - A' -C' ' ? - A@G -' ->A+' 8 A' -A+C D + A + -A' +-' ! ' (' ' - $.' ,& (' * ' ' ' " ' ,& (' * &) ' ' ,& (' !! ' ' ,& ' 8 @@' +B@' E (' , -' A' A ?@' - ' @ .B+' AD' ?@ >C@' D@A-+ A.' ' J C+ >, C' C + -A' C-?' +B@' A., B' + AD CD2' ,& ' ,) (' 1&!!(' - ! (' * ' (' &' (' &"' 2 ' 8 @@' +B@' E (' - '$, (' -C' 0

S) ' $ ' ,&' 0' ,0' !1$' "' A' ' / ->*D ' 08;KQ=(' 2' A+C-D');N< 5->C+G' +B-> AD' J>AD' - ' ! -++ ' ?-A@G' 1 ((' O@++ C' +B A' +@A' +B-> AD' J>AD ' ! -+' ' %M< ' ^ @@' : ' 1 ' NLS' cM]c' A' %- BC AV& +C U ,0' & '$ ' ,& 0' 8;KQM(' ' A+C-D')-' B@' U A.'B)' J-A' +B@' - A .@' - '@>@C,@' ! -+' ' + A@ - ' ,>@C' E>,G -A' A @=' : ;M<Q' A' ' '$ + B@') ' ,&' 0' ?$! '8;KKN(' L< 7 B-@ @C' B ,' D@ C@' +B@' .C@ +' E@,,' +-' E@' C@>CA.' +-' AG' E>C ' 2' ?> + ?' G' -C' +B@' +@A' B ,, A.' ' ;QMP') -') ('=PP' 5C-?' @,@ @A' +-' + @, @' J@ U 2' A, +B.- ' ?@ ?@ >C@2' - ' />+ B@' -C' $. ' @@D2' '.@A@C ,,G' > @A' -C-A@' ! -+' C@' 4QQP ? 0' 8> '&!0 A' ;Q;<' 'PS [' A' +' -C', G A.' 'D>+G' - + -J@AA@' >J-A' @CG' J A+' - ' ,@' -C' E@@C' +B' + B ,' E@' @AD@D' -C' ,D' +B A' +B@' +- A' - ' A @CA@ ' ;Q<;' B ' $_' ' -A' +B@' , A.' ! -+' ' ? ,@ B +' @' E@+ @@A' > ' AD' ->C' B ?@' ' ,' ;Q)' ' !0? 0' 8@D' L(' 4' Q;K ;' +' '@A +@D' EG' : ?@' ' ,' +B +' ^+B@' J A+' B->,D' -A+ A' A PP' ! -+' C-G'->A @ ' -+B@' C' - ' @+B' (A' C$ - > ' $ 0' : A' QO' A' -A@' A + A @2' +B@' JC-D> @' ' + +@D' +-' E@' ' <O' ! -+E-, 'J@C' A., B' + +>+@' C@' ' $) ' ! 'SS2' 7B +' G' G@' +-' A +E@C' J-+ ' -C' B ,' @' CG' A' 'E, +B@' ! -+ ' J A+ +' -A@ ' SK)' 7 2' ' $2' ,& 0' 0 0' , &&! (B@' , C@' - ' +B@' B--,? @' +@C' +-' E@' S@D' +' C-?' LNN)' +-' =NF ?@CU' ! -+' 1 0' 'G 2' !+@C, A.' ?-A@G' +' @, @' C ?@ ' +B@' >@' - '+B@' ?@D@A-?A + -A' - ' ! -+' ?-A@G' % < - ,$' ' 'OQN' ,@. G' EG' -CD' - '?->+B' W.--D' +-' +B@' @S+@A+' - ' = NN' ! -+ 2' -C)K' KD' +@C, A.

- ' 7 +B' C@ @C@A @' +- , ' % ' $(' '@' A' +B ' JJ, +-A' C@%@A+' +@C CG' +-' ' @' ->C' +B@' -C?' * ' C +B@C' B +B A' ,& ' -C' ,& , (E>' ! -++ B' ,@. ' C+@ 'B ' JJ C@A+,G' A' @C' G@' @' D' B 'C>,@ G ' + ' 9 ' &-0%$' 3$b' B@ @' A @C-C' @>D +-C @' 'B@D' B +' C@' ,,@D' A' +B@' ! -+' 'TC@C@ @ ' % _< = ! +' A' A ++>+@' +B@' '-' ! -+, AD 'OG': -)')U?@' ! -?@+ ?@' &C- @ -C' - ' ! -+' ' A' +B@' 6A @C +G' - D AE>C.B' (' $! %& ' $&&' 8;KOP(' ;W B@' -D' ! -+' ' - +C@ -A' 'EG' A-'?@A ' @,,D@ A@D

D ' A' +B@' B ?@!' - '+C@@' AD' J, A+ ' 3 -C@' -??-A,G

' % (R # ' $ " NNN+$ " '2Q C .B+' D@' - ' G)' B-> @' ') @' .C- @' - ' CC!' E ,@' -++ 'A ,@' A-CC- G2' G@' + ' ?A' , ' (?& (' ,& ' ' "3< $ (@' &! $0' !!$0' ;Q<Q' ' " ,!(' ? (8@D' L(4, 2' QM; O' B@' ! ')]')1 $(-??-A,G' ,,@D' +B@' ! -+ ' CZ-C' J A@' %&R' A0' "- 10' & ": A' QN)' B@' B-,@' @A ,->C@' ' J, A+@D' A' +B@' JC A.' - ' ;<NP' +B' - U2' , C ?2' AD' ! -+' J?@ +' @' ,& ' && ' +B@' E CA , @' .-- @' ' 8! -' -CY -,U' D ' , ' && ' ' @@' 0' 0' !+' (M' # ' '&- $ ()' ' ? - ,!$(' +B@' O CA ,@2' -C' ! -+ , -- @'

' # ', A.> .@' ' B@D +A.> B A.' @J +B@' +' - '

+B@' D ,@ +' - A., B' J-U@A' +G' +B@' AB E + A+' - '+B@' - , AD' - ' ! -+, AD' , -'$ &!(' ' 10(+B@' ! -++ B' D ,@ +

;P=0' ,(' , ' $ "' 8;K;=(' ' =:P S' +' @,E@' ,@ >,' +-' (' N) ->C A@' DG ' ,@. @' +-' B ' V@A ,@' G' >C +@' E ') (V@A@' +@ + ?@A+' AD' J@' >,D' A' B@' >,. C' +->A' ' A., ' -C' -+Y + ' A@' .>D@' AD' +@' ' +C A .' + - >A@' ;LKL' 9 # ' ($, $ ' 7U ' 8! ' ! ' Q=' OG' A' ! -++ ' AD' A' A. ,&0' ;Q< ' C A, +' A.' +B@') A@D - ' +++' A' -+E') B+' +B +' ,U' !%-+ ' @C @' -A -CD@' +B' +B@' + A' ;Q) ' A' % T' C& ' 8;Q<N(' &' SS' 2 5-C' ! -+' 'A@' +B@C' ' +' A-C ' , ?@' 7B@' A' @' B' D'U A. ' -D' -C+' +' B ?@' B@G' J U@' A' @' +B@C' SKSK' "55H !(9 ,+@D', -' A' +B' +' - AA U@A' +B@' A ?@' ' A.,@' B@C' -C' ,- @' A' EC D' ! -+' 2' ,@' E@@' A' +B@' +' A' +- A.>@' ' ;KL<' ' 0') 0' ' e' QQ' +' ->,D' E@' ' ?@' - ' +-' ' A' +-' A@' +' +B@' ! -+' AD' A.,)' E ,, D ' XKM' >2 &' & -&' ' ON=' '>@' ' , --D' -,D B -A@D' ! -+' JBC @' ;<N' # ' $, '1"' &! #N' !B@' J@ U 'EC- D' ! -+

E' 6 @D' I > - C ' ! -++ B' @, ' $ 3V' A J$' ' $ 0' $' M(2' A' AC I>@' , A.> .@2' E@ A.' J@ @ ' ! -+' -C' ') ' B B' @ ' ->,D' B @' -?JC@Y B@AD@D

(%B C +@C + ' - ' -C' J@ >, C' +-' ! -+, AD' -C' ' ! -+? A' - ' $ ' &' 10'

[MSK' 7 ' 7' A': '$> @,' $ '8KKS(' ;ML' B +' ! -+' U ADA@' '8@ @CC@ DG' +-' 'C@ADE>' +' A -A D@C +@ (' XKX' *& ' ' $ (444 4' ;Q' % J+ A' O C , G B 'C)> @D' %C E' C-?' >J CD ' - 'C S+@@A' +-A@' +-'+B@' E- @' @ .B+2 EG' +' -+' , A.

! ' ' ' A' A ?@ ' - ' C@. ?@A+' A' +B@' OC + B' C ? G2' ,& ') ! (' ,& ' < " ' 8 @@' < ' (K(2' ,& ' <)$ (E' A' A ?@' - ' E-D@ ' - ' ?@C @A C@' A' -C@ .A' @C @C 2' ,& ' ? ' $ (,& ') , ' 8 @@+B@' @ I > ,@A+' -C? >AD@C' 'D ;MLQ' = ' 5*' (A' OP' 7B B2' +B@C@' +@C' ' +' ,, ,3 '+B@' ! -+' 'OC .. D' -??' AD@D' EG' "@JE>?@' ' ;M=K' ,(' ' $ 0 ')% _R' ' P<Q O' ! $-E@C' 3>CC G' @>+' - ,-A@, ,' +' -A@' $@. ?@A+' -' +B@' .> CD' A' C A @' XKb' ' A') ' 0' +' & ' !> B' DEJ>+) E@+ @@A' +B@' ! - > CD 2' AD' +B@' -+B@C' - A +' +B@' >C@ ' >CC@A+' XKM' ' T ' : ' ! ,& ' ' ' 'R B@' ! -+' ' 5> ,@C' > CD 2' +B@' C@ A D @C' AD' %-,D +B@' @ 2' @C@C' + +@+' -AD' A' +B@' B @ +' -CD' ' .C->AD' - ' - ?-A' SK)' B ' 0' ,& 0' ' SS +' ;NK B@' @,@EC +@D' ! -+' >C' @D' +B@' E@ @C@' >A' +B@' -+B@C ' @A.' +B@' +B->. B+' B@C ' ! @' &@' ' +B@' +' C C@' ' +B@' +' 0' (8 ' ' SS ' +' ;KKL' $, - !!$' ' $ 04 ==L' @A+G @' ?->A+@D' - \ ?CG- '+B@@' AD' -, A' +?-A@ ' ' $-G

! -+' '5> ,@C' ;K<L') ' ($ %<N @>+@A A+ -,-A@' A' A@' C@. ?@A+' ! -++' -+ />+, +' ! -+ ' -++ ' '+ @ ? > , ' 1 0 , - ' =' -+ @ ? 2' --+ > ? 2' --+ - ? ' 2' P' --+ @ ? @ 2' -+@ @ ? 2' -B-+ @ ? ' ^&C@ >? E,G' -C? @D' ' ' +B@' ? DD,@' G,, E,@' ? G' E@' 2' 10(C @+ a ;LLM' A' : ' $ 'O-G,@' &' ' 8;!<P(' J ' ;Q' A' %' ' D@' -+ @?' @? J+ A' D' ;LQ;' $1 , &!!' & ' ' 8!>C+@@ (' Q' A' -?'D@' ! -+ -?A ,' @?J+E' JC-' @,>C' c]R') $ ' ' &!' H' ' (' 0' (4 'P;K2' ,S' B-+ @?A G,,@2' ' D' +) ' ' E' J C ' ^@+ a' %]<]' $1 ' &!!' & ' '8!>C+@@ ('PL' A' S * ?' D@' +-A@' EC-D@ 2 A' ?' ! -+@ @?A ,@2' P 'LD' A' * ?') ' ! -+ @? A ,@ 2 -'OD

! -+ ? > ' 8 U) + ? @A(' 5-C? ' =' ! -++ '

? A2' P' ! --++G ' ? A2' ! --++@ ' ? A2' ! -+@ ? A2

P M' ! -++ ? A2' ! -++@ ? A2' M' ! --+ ? >2' Q'

! -++' ? A2' Q K' ! --+ ? A2' M ' ! -+ ? A2 ^'

'$0 i' = ' 8-C .' +' -' -CD (a' f' 2

%4LQP' B ' ?), ' S 'K' F> B@AB@CD' B C' &B, J' G2' B +' ! -++E' ?@A' B D' @+' A@' -' @ B+' ^@+ 'a' ' ;=OP O ! ' &' 0 50' SS '=N;' J C ! -++E ?@A' @,' .C@+' +GA' ,,@' ' ;=<N C& &' ' (,, 'LMM ' -A @G @' , -' +B +' +B@' ?@ B-? ' A-G @D*A' -C -,U' -C' ! -+@ ? A' E-CA@' c c') '&%' &) ' , ! A' ' / ->., ' . 08;KQ=(' A+C-D' S 3G' -CD' >@CA->C' +C A- B+' +B@' +' -AG' ! -+ ? A' A' +B@' C@ ,?%' ,D' @U' B@,J' +' A., ?@A' A'B 'D- A. ' ;P=K' 7 ' J ' 5* 0 ,& 0 / ' *' E2' 0>+' B +' GA+@' -' @>@C' B@' E@@2' B@' >C@A- ' ! -+@ ? A' C@AD' C Mb' 3. " +C' ? >' 0' 0' 0' SS ' <Q B@ @' JC +@' @C@' ,,@D' @DD 2' DD 2' O@++ 2' AD' / >A 2' B-' ' -++@ Y ? A' E-CA@2' +B@' -+B@C' +BC@' @A.6 E' 4MLQ PN $- ' 0 V .'87-DC- '!- (' ==;' O--U ' AD' C@ + @ 'J>E, B@D' EG' ! -++ '? @A' ;QKN & ' - 'KO B@' C' - ' O>+@2' B- ' E-+B' ! -+? A' AD' ->C+@' SKSK' 0 (' C@' A-+' @2' U@' +B@' ?2' ! -+? @A' AD' E>C.B@C' - ' D AE>C.B ' 4KQ< < 0 0 0' &)) ' X B@' J,@AD D' @SJC@ 'UA- A' '+B@' '5,G A.' ! -+ ? A' 4<N0) ' ' 0' (9 . ' (S6,' O=M B@' BC-+@ +-C ? .B+ B @' C@ U-A@D' -A' +B@' D@ -+ -A' - ' ! -+ ? @A' A' ! -++ B' ! +C-A.B-,D' EG' +B@' @ '+-' +' B ?

"@A @' ! - +K ? b , J2' +B@' A +>C@' -C' I> , +G' - '

! -+ ? A

;KOK 5$- ' 'PM O' '+B@C@' ' ,, A+CG' A' / >D,@G2' -AY @ +' A' ,,@AE-C->.E2' ! -+ ? A B J' A' 3 @, ,,@' SK)' $' 9 .. A' % ' ' $ ' ' 8;<NL(=KP' '&C->D' 4' B ' ! -+ ? A B J2' B@' ? .B+' ^@+ a

K N +K 7 N ? >' 7 ' (G' 6 0

;KON ' 11&' 2) B@' ,-+B >,' B AD' '*@S , ?@D' 3 CG2' +B AU A.' AD' @@, A.', U@' ! -+ -? A' - '+B@' J@C -D' SKOO' f' B@-,D' ! -+ -? A

77**,-')(0 (*'?701=' 7?'

D7**(44' 77**-4,4' 73=' ??' ' 8 (

77** 7')(0 (*'7?' D7 D

! -++)2' ! -+ @D' ,=J@ *=?/ ' " ' 01-< ' ,& , (& , (' , +@' ' ,& , F (,3) ' ! -+' + a' ' ! -+@U

SKSO ' 0' 0('& ' 2' .-$' (' -' ,,@D' C-?' +B@' ? ,' I> A+ +G' - '?@ , ' 8! -++ @2 !&,.+ B B' B@' ' @A++,@D' +-' +' U@' SKM' 2&' & - &' ' ' =' A' @A-@?--' J C' -' -,D' -CA ->+' B-@' 8! -++ @2 E > B,@ (

! - +) A2' ! @ - + ? ' ,=JL' * = I21/' @?' 4(*-' ' ,& .3) ' ,& ,) +' i' 2' B@' =L-44 K'W *6' ' 6(=' L0-)(4-<' 7W K' *7' *6-' ((47K+' 7?' ,& ! 0]

; ' A' D -?' -C' ?-D@' -' @SJC@ -A' B C +@C +' - ' ! -+ ' @ J' ' >W@D' EG' ' C +@C' - ' A., B

?>O' ' - 0' ,& 0' ;LQ B ' ' ' ! -+D ? A' !J@@ B' VQ)' 7 ' ' 0' ,& 0' +>' 7U ' S! S ,, ' LOL' 3 AG' - '+B- @' -> ' -C? ' - ' J@@ B2' B B' C@' D+' A-? A' +-' +B@' ,& , - (B @' J@@A' A+A) > @D' EG' +B@?' ^, Y G@C a' A+-' +B@' ,A.> .@' ' ;QQO O ' " - !(;;' / @ ' 8;KOQ(' =;)N B@' E--U' C-+@' +B' .C@ +' >C ' -' A.>@' 8 ,,- A' -C' ' +' ! -+ ' ? ;KSP' ' ' B 'C $ '&%' C&' ' -+@ ' M ' " ' ! +G,@' A' JC- @' @++ A.' ' +Y + 2' ? 2' @CG' @,,' B)@' A' ?@' ;K<OO' 5! 2 - 3' $ ' ' ? ' -' 'S ' B@' ! -++ ' ? ' -+B@' -C+B@' OC+ -A

/ ' ! -++ B' WG? J +B @

;KNQ' '# " ' $! &' $' ')(' 'OLN' "E' CD->C' - ' ! -+ ' ?' B>CC@ ' B ?' B@ D,-A.2' C-?' +B@' J +B' - ' +C>+B' KM' M ' ' LM;' ' @@?W +-' ?@ ' C@? CU C,E' --D' C +' 2 B@C@' B ' ! -+ E?' D-@A+' -?@' A' BE' G

! -++ X@' 8 UJ+ D X(2' 0' ^ ' , +@' ' , -' = ,& ,) ' ! -++ B2' ! -+ B' 8 @@' +' i' U V $-0 -' ?E>@' +B' ! -++ B' D@ ' -C' B C Y +@C +

c_< 9 (' ?' &' '-L= -A@' E>+' ! -+' -C: -E +@ 2' -C' > B' A., B' ' C@' ! -++ X@D2' ?> +@SJ@' ->C' JC@ @C' ?@A+' >AD@C' B ? ' < ^L' : ' ? ' 0' & ! ' ' ON=' "@8!' ' +' B ' ! ++ X@D' >C-J@' A' +@C +>C@ / ' -' . @' ! ' -++ B' -C?' +-' 8' -C@ .A' -CD' +-' +>CA' 8 ' -CU(' A+-' ! -++ B' D ,@ + ;KQ=' " ' &) !$ T' 0' '&C@%' ;MP' " @' -CD A.,2' A' BE' @C -A' -A' ' C>J,@' - '+@ -A' A.,- + -A' 5-CD' +<-S' 8' 0' ' ,& '8! ! (' A+C-D' ;P' ! -+Y + @D' +@C A' C J+' - '+' 7 DD@D2' +B@D' @AD' - '+B@' - ,->C2' K -++)8 UJ+ D(2) X' , -'Q' -+ @D' ^ 'A@S+' ' /' ; a' " A.' ! -++ B' B C +@C + K)'V "' $ ' &' $- -&'2()' B@' ?E+-A' - '@ ' -+ @D' A' 'G@E O 9 ' ? &' ' - '<? ']' B@' B +@' AD' C>J>,->' A+@.C G' -' +B@' UA-+' -C' 2' ! -+C + E' ?@?E@C 2' AD' ! -+ @D' -. EB' ;KS=' A' &, ,3 8;KL<(' 'L;P ' +B AU' G->' ,,' U@' ' & d%' ' E (' ! -++ @D' >J+' +B@' +@@B

! -++ G' 8 UJ+ (2' 0' , -' ! --+ ! C' 0?' ' 9 / i' 9 +3 !' $' 0' -0- <-0' ! -++ B

T ' <R' ,) ' & 2& ' A0' ! 0' ,$ 0%' B@' -A ,> -A' +B@A' -C @D' -A' ?@') ' +B +' D ?' ->+ >+' 'B D' -J @D' C +@' J-@?' ,)?' A' -C . A ,2' AD' -++ @D' +' 'B@' -J @D' SKKS ' $) - K: A' PP L' B@' B J E--U ' -D' EG' ! -+' B J@D, C' +' +B@' AA> ' ?? ' 5 C' - '9 CU ,, 8#CUA@Ga' J, G@D' A' ?J- A+' J C+' A' ! -6+G A.' +B@' @+

; (

[illegible]

-E >C@-C . A J@CB -.A +@ +B+B@ GA-AG?->
1 #6 ' 0 - E->AD2 J@C2 U J # A
A ? , - .- +B ,@ J AD E->AD
$;=OP) & 0 LLPM< 8 C A (3 -AG 8V A. ? G @ D-
J +E@++@C @C@ AD-A@ J@A - -C+- + ->J@H & / U J2
$ (,@J@2 < E B-J@a \ +- CGA 7 B@AA@ E@++>C +G?@
@C@ +- E GA b - . 7 MNN O2 ->J@2 ,G-A -C
+G.C@ D-+B@2) A B@ D-+B -,- @ B JC G2 6 $ *$
$)!E (B @ @A@ ,@-J CD@ ->J@ 6@C E> U@
$$/ / = 7) !& OL B@B C+2 +B@ EGAD2
+B@D @2+B@C @2 7 C U- J A. ,, C EC @+-EC @2 ? A.
+B@ +@C EC-S@ +G : ! "&'' C$ * ? -
B@ -CUG - J B + +- +B@ & J + ->A+ - J2 -
,@ C B B ;Q 0 8 $'. D - J
C->AD , U@+>J AD E>,, ;QL< -+ $) 2 &)
KQ 1->C " @ D' @ > - A+G ,@ B + ->J - @C
? AG 3 > C AD / ,@ ;QPM C '' ,) . &!! , 0 ,(
C& - PP 0>+ D +C@D - + AD ,@+ +B@? ->J 5C@@2 -C
+B@ -> - >++G +->J ;K;K 0 0SS 2 T B
+B@D@ , C@G@ D +B@ + D ?@+-J C:@ A @2 ->J
A. E->+ D@ @A+B-> @ + AB->C A +B@ ? -CA A.

/ C $ 0

;KNO 0 & - $ % $ '' S A %B ,D ?$!!$
QN ; B@ B ?@ E0 0 +B@ /@ ,a ->J A B - ?J AG
;KO= $) ' ! @+ S 2 /@ , - J $@D
. >A+,@+ ;
"@A @ ! -> J A 1!0 0 , - M -> J
$%b_ : L 0 %0* 7U ;K=K =;M 7 +A@ +B@
-CD B J - E@C -CA@2 AD D @C @ >+B@C) A A
B@C + .@ +- ->J C 2 D A)C 2 AD D ,, C +B D ?
$;PKP &- 7 $)) +)? &' &- QPQ AD ,- J@C2
, .B+ U- J@C2 C ..@D C- J@C , U@ C @A %b&<
C$. - * ! C 0 #D@ S> A CE <$ - 2PQ - @@
+B@ C U A.2 AD +B@ ->J?.

! -->J D2 -E -C? - 1

8 U > C(2 1 , - = U->C8@2 U- C8<2

!%# 7&2 M ->J- !@@ W; B O%0]

B@ + -A - ? - A. C J D,G -C .- A. A
B +@ C>A -C C> B2 D JBC X) +B
B +G ? - @?@A+2 + . --D J @ =&1 0+0

N;LNN 0 ! (=OQM - B - + B@ C +B2 .--D U-6C
8;h_9 6 0 B) - - " $*L; ! @ -A +B@G . @D +
.>D@ - C ;KON B ' ,$ & - ;M 8;KOO(;OO
$-E A A@@ .@C ,--U A. D-.2 AD @@?) +- B @ ,,
B >,+ @ C@ DG -C ->C

/ A -A @+ -C ++ U 1 0

$ c]RR !0C , % 0 & ' &' 0<M B A@ B ,,@@C+B@
-C @C+B@ > C@ B CJ@ - CCG H 0 0 B->C (OPQP
<$ - - 0<) &' + ;<M 8 3 A,G(2 0 7 A-+ @, E,@ +2
? ? @C2 +- J@ +B + ->C@

B@ C> B - DC A. AD

SK-K # I .&) - AD %&RM < 8
$ " $ MP B@ +BC> B@ AD E, UE CD ,- @+B@DC A.
->C AD +B@ AD C- U@D +C@@

8 U > *(2 10 , - K < -- @C ^

B UE /a

A JJ C +> -C B A. >C @C-> - , %
B D

%M(&Q 9 A $,%$!$' < & 0 &!! , 0 8! " ! (
LN A ,, +B@ @ J, @ -,,- A. A +>C , -,D +- E@
->AD ->+2 \ G-> B ,, G@ AD U , >, @@U@C AD D Y
- @C@C +B@C@- 2 -C +- > @ +B@ C->.B -C !U- @C E>+ A-+
@CG J@C + A +B@ 0>DD @ % N] # " $! &' $
QLL B@ J, @ B@C@ +B@ .-,D ? A@ @C@ -C?Y
@C,G C->.B+2 + +B@ .-,D ->C 2 A +B@ ,,@G - +B@ $, A

/ B@ + -A - >CC@A+ -C ,- - +@C A
,@ C A. G ?>D -C -+B@C D@J- + A !
' ' ' A C+ , >CC@A+ -C ,- JC-D> @D
-C +B J>CJ- @ , -2 A @A. A@@C A. -CU -AY
+C> +@D -C +B@ J>CJ- @ - JC-D> A. > B >CC@A+

;Q A @D CD % $!1& &) 8;QLM(=LK B@> @Y
,@ $@ > @2 +--U ,@ A A. ! ->C2 ,-A. +B@C J D ! E@,D'
A+C@A B@D !B-C@ %_N& A E@,G@)! 2 !
' 8;Q=P(L< SJ@C @A @D 3@ B A+ U &C + @ A ? U A.
/C A 2 !,> @ 2 0 AU 2 ! ->C 2 \ ;QL)) .) 2
) $ ' $! % J+ &@CCG ? U A. !,> @ +- B-,D >J
7 +@C +- ? U@ ! ->C2 EG +B@ -C @ - B B B@ @SJ@ +@D
+- DC @ +B@ ! AD +- !@ AD D@@J@A +B + $ @C ;Q=P
.)! 2 ' LL +- C+ , ! ->C EG
?@ A - $@ @C - C 2 -C C@, @ A. 0 -A -C !,> @ %
' B L . C. " & 0 ;=M B@ ->C - +B@ @EE + D@ - -J@C +@
+B +B@C J D ,- - +B@C @C +- @@J G AG @D ?@A+
% &R ' ' 4 ,, =PO 8%@A+ (B@C@ ,- +@C
D@J+B - -A,G E->+ = + 2E>+ +B +- E@ A C@ @D EG E->+
ON + EG DC@D. A. AD ->C %&R& $!" 2 ;P /@ &
? ,, *) @ @N; , AD + +B@ C @AD - +B@ C@ @C - C2 +-Y
.@+B@C +B ;P ? AB-,@ 2 -A@ DC , @2 +B @@ ->C A
-AA@ + -A +B +B@ J J@ , A@

J, @ A C @C B@C@ +BM E-++-? ->C@D
EG +B@ +C@ ? C @C B ,,- +B .C @, E-++-?

(M T ' ! % $ 3-0 S, e M 8;MK<(LSN A
3 C B +B@G B--+ A+- +B@ ! ->C +- J A %
' ! ' 8 3 O(LN A.,@ -C J@ C B@ 2 A ->C 2 S)
8 . ' ! ' KO B@ B >A+ - $- B2 D>C A.
JC A.2 C@ -A +B@ B ,,- AD - @C G; 8 , $*
& % $- O; O 0@,- C@ A@ H->C AD D@@J 2 , -CDSA.
.--D B A.

! ,(B@ C+G DC AU E@ @C .@( ) .
% B U/ @

;QO= 6 0' !' $3 0 ,0 8;QLL(;MQ +B + B@C + J
J-AG B A @+- E@ ? 7 @',, . .--D ->C -'+2 AD '+
;QOK] &1 0(, " $' " ;LO 7 @',, + U@ ->C
-'+ +- J>+ , ->C J A

. U AD - D CCB-@ A ++,@

;QM=)) -) 0 =PN + +> ,,G . @ 2 -C A , A@
+B@? +- - @C 8 AD -+B@C D -CD@C ?, UA- A +- +B@
B@JB@CD (1 0 < C@?@DG -C +B@ B +@ ->C A
B@@J L A 9 . B & - 0 ' , " , !0 M- B@ 7 B +@
! ->C A >A - ? ? -A ,-- @A@ 2 --b -A) EG @@D A.
B@@J -A J>+C@ @A+ @.@+ E,@ SKKS .) $ " $ -
% MQ O A @ @ +> , JC@ @A+ @ - T ->C'2 ? , DG C-?
B B G-++J. , @ 2 B@A C@ C@D G C-? +B@ C ?-+B@C 2
C@ ,&' $' "!$1! &) %% 0

3 B@ D@+@C.@A+ ? ++@C > @D A ->C A. --,
SKKK ' , " , !0 ? 0 4 4 , MPQ ; B@ --, C A @D A
>CC@A+ - ,@ A +@C +- C@ ? - @ +B@ T ->C

2 A + - ->C A.2 ,@ A A.2 -C J-, B A.

& 0 ,&!!&D0 @ +B@ ,--C .--D ->C

K &-1 -->C B-,@2 E-,@ ? D@ A ?>D -C
AD EG +B@ ->C - +B@ + D@ ->C G 8 @@
I -+(->C -C+2 A ?@ >..@ +@D -C $
*&'$ $ &%% , '$! 0

;K<N : 1 . 7 0 O= !B@ AU +B@C@2 AD +B@
A@S+ + D@ ? D@ ->C B- @ -A -A@ D@ - B@C OK<W) ' C
$' 0 , 0" T ,&) 2$" @ -, 2 DC A .@ >CC- > @D
EG +C-A. >CC@A+2 EG ., , C @C ,- A. J @C
.C @, J, A ;P=K B $ - 1 8 / ! (MM
$ D >, @ B D + B@C@2 + ?G.B+@E@ ,,@D A @A.6 B
-J@ >C+ -C T) U- C >C+) 2

! ->C8 U >b*^(2@ 5-C? = !->C8@2 -B->C@2
= Q U->) @2 -->C@2 P K -- C8 o 2) Q U I C8@2
K - @C2 M ->C2 # -E >C@ #C . A2

A -?@ - +B@ @A @ @SJ, A) E@,- +B@C@ ? G B @ E@@A
- ,@ @A @ - -CD - D@A+ , -C? E>+@+G ? -,- . ,,G >AY
-AA@ +@D2 + D >,+ A >A@> @ +- D + A.> B E@+ @@A
+B @CE AD B 0 " EG - + -A +B B B + @A @
D@ @,-J ?@A+ B @C+ A,G E@@A A ,>@A @D B@ C@, + -A +-
+B@ -) +@ B 10 >A @C+ A C- ? +B@ @ C,G D +@ -
+B@ , ++@C2 + +) J@CB ? -C@ , U@,G +- E@ +B@ ->C @ - +B@
@CE +B A D@C + @ - +2 - +B + +B@ ? G E@ D #
. +-C? 2 8 100 AD +B@ E ? G -CC@ J-AD +-
-C .) $ +- C> B -,@A+,G A +B@ -C . A ,,G ? , + CG
> @W2*) B@ E ? G J@CB E@ J C+,G E U -C? + -A C-?

B "
B@ >CC@A+ @ 2 +B + +B@ @CE # 5 ,&)]
5 ' 53 & [3b,) +- >A(@@? >A+@A E,@2
+B@ # 5 -CD ->,D A-C? ,,G B @ >?@D A 3 +B@ -C?
) A +@ D - ,&) 0H

0 - ? - @ $1& E B + ,G -C @A@C.@+ ,,G
*0 +- C A.@ E->+ A @ C B - -?@+B A.2 -C A

? - @?@A+ . A + -@

cN& $ < . B 8$-,, (L<N %-C A@> B@C B CD@ ? -+ \
+-C@D 8 3 ! -C@D) J -C@D2 " >CGDa B ? E->+@2 \
? D@ @GE+@ E@+ D@ \ J-C) @ aV@ C->+@ %;=QN '
$!!$, S ;KN !U->C @G,, E->+ -C ->U C ? +B@ @
4=QQ C& &' 0 ;KP A J,@ >CG A@ 2 G->C U@C+ D--+E
-C@ AD C >A.@ !- BG@ AD @CC@2 OPQM B 3!
S ;QM @++@B ? C @ +B@? ^+B@ B->AD a B-?@ A ->J,@D2
+B + +B@G ? G U->C@ + , C.@ AD U-??@C OP<= :)
& ' !$;<M "@ +B + @ C,@ - C@ A D A.@C'
- + 2 '@A, C.@ B ->A+C @ , E) G)SM A : . . I 5S
) . 8;MO;(M=; 0 CE C>) > ->C A. ? -A. + +B@ %- +
- + , @2 +C> U@ > B A @S @@D A. +@CC->C A+- +B@ ? AD@
- +B@ + X@A @+@ (SMS! ' 8 1 &) C ' / L E2
! CC . - G-> AD ->C@ E->+ +B@ B ,, OM=Q 1 1 & - - 0
0 -5>CA B@D +B S A. J @ @2 +- ->C@ E->+
-C +B@ J@-J,@ E@A@ + [M&N 2#I 7 $1! SS
L*% B@C@ 5C! U +--U A A +B@ "@ D2 +- ! ->C@
EC- D >J-A +B@ $?E,@ OQNM . . 1 8@D 9@C @G(2 &
,&) $*&) " +- C ?E,@ -C C>A C U A. E->+ N_<b R
3 . . $ - 0 LOL 7 B ,@ +B@ @ A+C@J D 0 AD ->+ ,G +B@
!+-C? 2 AD J- AA. C->AD2 ? U@ 3@A AD 0@ !+ +B@ C
&C@G2 S) . . 0 0 ,, 62 5>CA B@C ->C
A . . - @C ,,D +C + - 5C A @ OKMP) - -
' . " 4PO " - : -BA 9@,,G B->+@D AD -E*>C. +@D2 AD
B- B D-. ->C@D E->+ 8DC A. ++,@a SKC . A
$!" !0 OM :>A@ B@ % +G >+B-C + @ ->C@D C> +,@ ,G
E->+ A I>@ + - A@ D+@ -C D) - + JC -A

E - ? - @ C J D,G2 . - A B +@2 C>A %B @ ,G
+B D 2 AD + A. +B@ D C@ + -A2 @+

;L V(! LQO -CDGA.@ 2 B@ D@2 B + A->.B+ +-
,@@A 7 @ E +B +B@ - + AD +B@ +@C EG+ @A I " +
E@+@C +B + @ +- B@-? B->C@ H?& !0 ->C@a2 ! - ,-A.@ -
@ ? G D>C@2 ,OLQP ,0 0 $' S = " - &' % " 6) $ +
O<Q aV G ?@A E A ->CG+ E ? +@ ;PSO !"$ A
B- ? C & & - 0 8;KPK(;N= B@ AA@ J>+ B ?
-C@ +B@ B JJ@) +B@ B B B@ ? D@ +- ->C@ >J-A +B@
+@C A > B@ @ +B +B@G @C@ A-A @CC@ C- G,@ #C+@
O)<N !& B $ (A0 0 ON B@, DG2) - ? B ? G
+B ,, B@C J- C@ 7 B- +@C B@C B + ,G . A - C@
NS)NN !& $') 8;MM=(OL B@ ! -+ A-A +B@G ->C@D
A AD J,G@D J o >A+- +B@ C JC@G2 $ NM<R & -) - 1
=;N A " X(0 C 0 C 0 OO< !B@ +--U B ? >J E@+ @@A B@C
* 2 AD - @C D >J +C@@ SM) (!M +C ? & ' %
- ' $ L< B@ ,,@G - C@D G ? A@ ->C @
OM<O $ 5 $1! SSS, KX B@G !@ >C@ -
+B@? @, @ AD ,@ @ B- @ +B + C>) +B@? +- J G +B@
$@ U'A A. ;QNQ :2) +C A) &G & - 0 . (
;QN) ;L< "@ ->C'D +@C ?@ B CD E@ ->,D OQS<
F) & 8 ,-E@(PMM G B@ - @C@D2 AD ,@ +
?G & ,-+ -?J+@ + +-CG2 +KS- ! V $ - $
SS? S 2 BC->.B +B@ C@D)) G +@CC ?@+@-C ->C K=O
+ M ? 1! ' *$ ' " 0 P ;2 2 ->+@D -A ?G G +B
?-C@ J@@D +B A E) -C@ ; E< # ! ! ' ;; ! +@CY
, A. +--U +- D ,G C D A. A >??@C %->C 6. C AD D@
-A + +C-A. B-C @ ^) N$ - 1
KX / - . +>CA + , AD WM->C -A A D ? G

+ - 8 7 +B->+ D (- D@J C+ A B !+@2 C>A

G2 D@ ?J 8%B @ ,G ,&!!&D0 -C !,- C 1 (

$ 0 0< !, $ 8;MSQ(" O2 7 B@C@ J-A +B@ ? C A@C
C@ -G @D2 E- A. J @ 2 AD +BC> + A. A+- +B@ ? A@2 @
- C@D AD C@+>CA@D B-?@ +- +B@ ->C+ OMKQ
? !!$ - $ &C-,2 ,, ,, +B@ D @ AD -?@ ,, A+
- C@ SMKK) 8 . . D0 ! $ $(*!0 $' " &
,$ - * " &)11" & ,&2 " +- C>A G OMKK B
? % =KM ! - ?@ - +B@?+B + , G ? - + -EA-S -> C@
- C A. @ @C , - B B C@ + U@A AD @ >C@D ? U A.
+BC C@ J@ 2 OM<Q S B 7 !$* = ' + " -2
A - C@ - @C +B@ + " @ D -A,G +- C .B+ '@? ' CC A+
+B@ $@. ?@A+ ->C B@A +B@ %-,,-A@& &C -A@C OQPL
-) - ('' C$ 7 U ;Q<< LP " - +B@
J- D@C ,@ E->+2 AD +B@ 3 -AC @>C ->C'D

/ $' 0 - J C J D,G - @C -C ,-A. 8 +C +
- , AD -C +@C(*(+- +C @C @ A I>@ + - - A@
+B B.2 -C A -CD@C +- J+>C@ -C DC @ G -@
% B 3]
S) 7 G +& . (LML AD B ,-C@ E>,D@A
JC@ + (@?@2 AD J@ ,+ E@G JC@, + 2 B * B>,D@A >+@

0 0 U->C@+B) @ @ +- B- -- + B + -?@B + C O=<M
( ) $ 2 & % - 8! ! (OLN S 5C A B@
UAG B+ E D C>AAGA E@ -C@ 0-CD@ >,S +- ->C@ +B@ -A+C@@
AD + U JC ->A@C NSPSL ! . &' 0 2 0 S ;<M
B D. C @D2 A +B@ -?@C +G ?@2 +- - C@ +B@ @@
+B @C+@GA@ BGJJ@ - CC@ ;PPL + A( ))
/ *2 0 G +B + + ?@ > B @C@ @A+ E@ -C@ +- - C@ +B@
->A+C@G2 +>A@ A2 AD C@J-C+@D2 ;P 7 & ' 0 "
=M= B@ U A. E@ -C@ B@ ->,D + U@ B -G .@2 @A+ +B@ C @
- " >A+GA.D-A +- @C B@ AD 0 J C@ +B@ !@ 1 (KLL
B@ A-E,@ ?@A +B->+ AG + C GA.2 ->CGA. +B@ G)
+ +B@ C B-C @ ->,D C>AA@2 ;P<= T ! & ' !$
QN >@A -->CE ++ / GD ->C@ +B@ J, A@ AJ>C > +@
- +B@ -@ OMLM" %0 0 0 &- - 0 QL) 1-> 2
? G J C@ J C+ G->C ,@@+a +- ->C +B@ %B AA@, +- +B@
AD' AD @ + CD OMMQ : C 0 0 PO< AD ! ->+
@ B %- + , .B+ C?@D ->C@2 B I> C+@C2 +- D@ C @ +B@
D + A+ -@ OQQM R 0F & ?& !! \ 3 C 2 UA-
A-+ E>+ @ ? G ->C B@ ->A+CG +-.@+B@C2 -C B @
? AD +- @@ #S -CD AD B @,D ;KNQ # " $! Q
& ' $ * ,+ L=O B@ C J C + , ->A+CG ?@A ->C@D
+B- @ - + 2 A I>@ + - JC@G OKLQ # ! 0 (
2 & +C-, ->C +B@ +C@@+ 2 ,, +B + A .B+ VMPM !
' $ = C (S @D L(L<N B@ ,-J A. B ,, 2 J->C@D EG B@CD
- . X@,,@ OKKP % 5 ($! ' - 0 % ;;M
" @ @A+ ,- +2 ->C@D +B@ B-,D2 @S ? A@D +B@ . ,,@G

0 6 0 - C>A - @C A +B@ ? AD2 +B +B@ @) @2 @+
OKKL) ' $ " $ 0 :>,G =LO O + AD B@C@ ->C A. +B@
>A @C @ +B ?G ? . A + -A O<N< : + "
$ ' M< 1-> ->C +B@, + .>@,G2 AD -CD@C J A+ - OQL
* ,(A ,G+B ! +B @A+> G , A. 8 B

L(-+ - ? E->+ + A .B+>JC- C -> ,G2
EC@ U A. AD- 2E@ + A. +B@ + B2 AD ? -,@ + A.

G C@C

S)L M * &- !! ;; 2 1-> DC AU 0>C) ADG
J@CJ@+> ,,G AD ! - @C G-> ,, + ;MKQ ! ? !!$Q
- $ 7 U ;QQK ;PO2 @A+ B-?@ DC>AU2 AD
->C'D ->+C . -> +G OQSO V LPK C S B@C@
A- AB E + A+ - AG + AD A. A 8*- @A+ CD@A2 E>+ A
+@,, G-> B>ADC@D . --D " >?->C 2 B@C@ &@-J,@B @ ?A@
- +B , ++,@ 0,--D B@D2 AD G@+ - @C@D ,, +B@ ++G
" ->C - +B@ .B+ OQSQ J ! - $ OLL 5C-? 3 ,UY
-J " @ + C+ >J 3 -B U; ! - +BC- +B@ !+C@@+ + 3 DA .B+
- 'C OC@ U 7 + B ?@A' " @ D 2 AD %B C ?@A'
, @ OQPM < ' 0 $ (4 4 LQ E@@ -C B-A@G
C A.@ C-? ,- 'C +- A- 'C 5C-? E-> @+-E-> @ @@ 3>A
D>A.> - C`

E $' T - ,, +C@ + -C T ? >, 8+B@ + B2

G C@C 2 @+ (B ,@ C- +@C A. A +B@ +C@@+

?(F) *0 "$ &C-,2 <& ! - C A@ +B@ 7 + B
.C- ->+ - B -A + OMKQ ! ? !!$ - $
7 U QQK ;QQ 0 B@ B-> @ E@ 3 7 B +' B@C)
- > C @ C 7 @ ,, ->C '@? -C - ?J AG - >A ,
@,,- 2 +B> +- D +>CE ,- @C + +B@ C AA- @A+ C@ C@ + -A 2
OM<O $ &' + LL # >C 7 + B +B@G - C@2 AD .C@@+
+B ,, E,- OQOL ? &' - O< 8;QO=(KL B@G . - + DC>AU2
->) C'D +B@ 7 +D 2 E> @D +B@ %-A + E,@
@ - C- +@C +BC->.B 8+B@ +C@@+ (
OM<; & - " ' = $. . O 7 @',@ ->C
@ 'CG +C@@+ AD U U ,, @ ?@@+ OQPL ,& $ 0 # +2
=<4 O 7 @ ->C@D +B@ +C@@+ +@C #>C A- +> A ,C @

8 U >b (2 5-C? L = B>C2 U>C2

L P ->)@2 L Q U->C8@2 = Q U- C@2 = K
0-- 7 8@2 @ ->S@2 P M -C@2 P Q U-C@2 ---C@2
M U- @C2 P < - @C2 < 8M >C2 = - #>C
^&C-E 3 /> #C [< , ' ' 8?-D /> ,) '(
?#D , ! '+(B? @ ?-D ,) ' AD
3 ! 2 ! .) $0 / .) /> B , - E
.) ' +- EC> B2 B B JC-E D ,@ + ,
C A+ B@ /> AD -CD JC-E #5
,) 8?-D 5 %) + U &C 2 !J ,) $ (+
) $ (,) $ 8C C@(8] J-J>, C T 5,P -
8?@D ,) (, $ + +- J-, B2 ->C2 53
&H a ,) ($, + A +- + U@ C@ - 440) $
C@(2 A ?@D , - +- ,@ A 8 # 5) +0
(C@ + D-J+ -A C-A+ # 5 ,) ' & , U@,G2 +B@ -CD
B->,D A +B + @ B @ E@ -?@ ,$ A ?-D I A 8
,) (*) +0 B@ ?@ -E*@ + -A JJ, @ +- +B@ BGJ-+B@
- D-J+ -A -? ? -A + + A2 >A,@ + B@ >JJ,@D +B +
+B@ -CD B D E@@A A.6 B -C -?@ @A+>C @ E@ -C@ +B@
D +@ - +B@ C + UA- A @S ?J,@ &- E,G +B@ -CD
EC->.B+ A +@ BA , +@C?EG 5,@? B -CU?@A a

$' 0 - ,@ A @ -C J-, B 8?@+ ,2 @ C+B@AY

C@2 --D2 @+ (EG B CD C>EE A. +B -?@
D@+@C?@A+ >E + A @ ! -?@+ ?@ +B -?J, D*22

1 ' " ,! $'0 , - -A + &%"% & - 8C> +2 @+ (

N OLMM # , & - 0 & P=N " C B@@C G@,- @
- B@ @ AG E A ->C@D A@ @2 , O==N !* $1 & %
$! WOL !B- E D DG B, \ U- C D J-++G O=PN
! '' SS L;L B@ - C@D B >E@CU@ AD >CE B@D
@CD@ AD B@,?@ OPLN J QNQ ;2 ->C@ @ @,2
? U@ + EC .B+ AD ,@ A@ ;PQM ! < !0
8 CE (QK2 @@ G-> &@@C @2 ?G ., @ , +@,G - CD@
OP<K (9 ,! &"0 : $MN B@G U- C +B@? -EC .B+ +B +
? A J G E@B-,D B @ A +B@? OMOO : +C ! Q
- $' <)0 - $' dC !%0 ; ;LO2; A ?G 3 +@C 9 + B@A2
- C A. - +B@ & AA AD +B@ !J + H LV -
I< U O G D A+ - ! -CD B !%C- A B@ A , A C@ @ AD
->C B9 C? ->C C-? +B@ $> + - &@ @ ;QN< - $!
N) - = L 7 B@A +B@ %--U 3 D' !) 2 B@',, C@
D- A +B@ !+ C %_% Q , (V 6& ' ?) !! A 2
C>D. A. I> C+@C - J->AD - ! - J AD ! AD +- - C@
+B@ $ --) , OQ[Q @+ - - 0 $ ') , 13
!) + 2 B@ C>+B 2 +B@ 3 D E D ->C@D +
,) A AD C-A)KLM **A # & 1** < , SC ;_R
" , @ @C@ ->C A. +B@ @ @, - . -,D AD , @C D Y
J, G@D -A +B@ D@E- CD **A #** **& $** $ - * $, 2
^ " @a J @D EG +B@ C@D @? ,@ B- ->C A. +B@
+@J 2 ' 3 L . I C. " & 0 %&< B@ +-A@ , C.@,G > @D
%& ->C A.) AU + , &% @CG J-C-> +@S+>C@
0B 0 , - +B $ ( ) * 8 T J-, B >J'(
- $ -C 1 (

$ &&) $ 0OPKMQ 6?-.B+?-.B+A ,@A A. C@J
>, U>C+-? U@ + B CC@ 1 0OKN)K:) -C6U A C@D@ -C
,-U@ H%$H0 U C) A > + (V C A .B+2*V C -A @A @
> D@A@ AD EC .B+2) + V (V C A,@>@A U A+B A.) + A
+@D@ B - C A.2 , ;LQP ,0 0 $ ' S 6 = *, $ +
;O;< +V (V + (V ?@ @, - @ GA@ , ->C@) ;=LN C ! (
"% , ' & S, 8 KMN(;<P !B@,@>@+B A- +B A. (V + B@
A@ -CC@ +@+B AD U- C@+B AD -CE B@+B , ;=PN .>
$!<L 7 B@C -C UG +G ?@ - @A+-A G -CD@GA+ -A,G +-
- C@ AD +- D A @G->C -A G@A - ,, ? A@C C-> + AD
>,*)@ - GAA@ ;PPM J 9 S S ;=N !U-CD ,@ A@ >,,
->+ +BG -CD @@A@ A@+C D@ C-? DC- @ ?J>C@ ;P<=
(9 ,,!0 C&!0 S e P !-?@ @ 2 B- C@ A-+ -
- C@D - +B@ C -C?@C C> +2 +- -C U@+B@ C >AD@A+ J@C
-A ;MNK $2 , . 2 " - +B@D !@ >C@ -C@
E C> + JBC @ ; SMS !& /% C Q3 S SS KQ O^F I 6X
Da ; E >@ E@@A @A -C @D +B D G +- - C@ J ?G -,D
+ A@2 +B + B +B, A@,-A. AC> + A. ;MSQ : ! ' (
;M;2 , ->C@ >J +B +, ++,@ - A@, A.> .@2 B B
B ,, E@ C@? A A. >A+- ?@ 3 " , &!" $ %$
8;M=N(Q "@C 6> ->C@D EC .B+ A -,D B-,G D G +B
A@ -,@?A + @ SMW=] 2& - 0 PK !> B B- EG C+
AD D> + -A2 B @ ->C@D - @C+B@D ??@ A C J -A -
+B@ 3 -C ,, 2 +B + + JJ@ C@D J, ,A@ >A+- +B@?

% $1 &!0 -C ' 0

$;=) V ' 0 !$ &) , 8;<NM(;; ! -C@ -,-A. -A +B
J, +@ +,, G@ B >@ B DD@ @G ,, +B@ E, U@ J-++ \^L\
9 < ' ' L;P +@?2 B@ A B AD @ >C@
%_(R $! - O=K PP B@ 7 @A B A +B@ 9 + B@A
A. AD ->C CJ? 3 -CA A. +- .B+ ^@
' ? SSS 2 +@A A. +- ,, ? AA@C - . - J B@A
+B@G B->,D E@ D- A -A +B@> UA@@ ->C A.

D $-(=."* 1&! ,$!!"+0 - +BC> + 8 -CD2
UA @(A J@C -A E-DG

E5(!M !!0 MK A ->C . A. -A@ A-+B@C +-
->C@ +B@ C -CD A +B@ @A+C ,@ - +B@ C @A@? @ ((
0 (SSS2 " @ G@ ? AD B->,D ->C ?G
UA @ E@+ @@A G->C C,)2 ? G ? -+B@C G

@ - ,@ A +B@ A D@ - 8 .>A(+@C C A.
(M (B , - . V ' ?) - 0 C ! 0 2 @+ ?@ @@
G->C J@@ @ A@ .BE-C C@@A@ .-- @2 B@A B@ B-+ A
< ' 0 AD, U@ G-> ? +@C% J+ A@2 ? D@ B-+ @>@A
A- 2 J C+,G +- @ >C@ B@C2 AD J C+,G -C >D +G2 (2
$ " $ '$ < $-(S >M(!->,D @C - C@ G->C
J@@ @ cMb 5-S +C) O>) 0 < I @>
3>)>@+ @C@ C@ ->C A. +B@ C 3> I>@+ +@C ?> B
B--+ A.

+ !$' 0 - @ C 8 @++@C (+- + A 8+B@
+- U (1 (

, c]bR $' . ' ML= A $, &C!$" O= 3 @ @?G+B)@B >@
-CGD@ J@GC - @++@C cb<< : ( )M C$ &'
MNO B-> B ,, A-+ @ J@ ?@2 G,, +B->B + ->CGD
J C@ - +-UG S) S QM ! $ 0 $,$1(8;KM<(K=
U- @C +B@ C ?J C A. 2 +- @ C@ E-6@ -C @++@C 2 $ B&&
O $' 2 ,&) +- @ C

/ $-0 - C@?- @ .C@ @ -C D C+ C-? 8 ,-+B2
--,2 ,U2 @+ (EG -?@ D@+@C.@A+ JC- @

&!! & % C$!0 MLN ; B@ D %,-+B@ D@A@
- C@D2 >,, DCG@D2 AD C@DG +- +B@ ,@2 , 4=KL #
$!&) L= ,&) ' &1 !U- C@ . GA .->A@
4=<M & ' " ? . 0 PQ= - ->C@ \ C@ B@ DD E-
A@++@ cbM K !O0 (e O B@ ?@ % JJ@ ^ B ,,a
E@ C + @,, ->C@D AD ,- @D >J-A +B@ O AU@ (M (
(C! ' " "$5(P B@C@ U AD - &-JJ @ ?> B
->.B+ +@C -C E, >A B A. AD E,@ B A. - , AA@A ,-+B
-C E@ A. U->C@D +B@C@ +B2 + -AD@C ?,, B- B +@ AD
J>C@ +B@G ,,)U@ (M M + "! $ e LMO A -?@
U@ +B@ 7 +@C - +C-> 2 5->,@ %,- +E E@ J>+
A+- +2 + ->C@+E +B@? - + @, @ 4MKL O &!! , 0
8# " ! (OPQ 5-C ->C A. ?G %- +@NNNNNM Q $-Q
1 T ",!0 ! " ' " " ' & % $ E@.>A EG ->CY
A. + A ,G@ - .--D B@ 4K= F 5 ! $')%0
;NQ 7 B@A +B@ ,-+B - @A2 B@ @AD + +- E@ ->C@D
AD >,,@D (' ," ,!0 ? 44 MPQ ; !+ ,@ >C A@
->C +@ ?@D >? B B +- ->C --,2

E $1 &!0 , -6 (

+ X a, %&1 ! $' 3@D]% @ C@ 2 ? A.,@D
+B +BG 0,--D A - @C -2 B + ! C,@+ AA@) ,,
+>CA@ B +@ !A- (M M + "! $ e LMO 7 C?@
7 +@C ->C@+B E@++@C +B A %-,D

- B .-C-> ,G 8+B@ B AD 2 @2 +@@+B(
+- T C>E - -A,G B&,)!$ (

^ L O ' 0" 0 5550 8;MSO(;=Q A+- +B@ C->.B
B@ B @ 2 AD U- C@ B -,G + AD @ (M &2
&,) && % ? 5 =2 " @ B D J->AD - -J@ +-
- C@ B @ G^ (" " 5 "B+ QO B@G
. @ B ? +B -G, +- ->C BE U A +B $ 4QN= &- *! $
$' 3 $ = 0 Q(MP - B +B@ 5 @2 +- U@@J + ?--+B
AD +- - @C + ,@ A (_c M G OC + B 3 D
D C+G & 7 B B2 +B@ !@A +@ +C- @ +- ->C 4KQ4 $
. . $)!!) SSS ON AD +@@+B A + @ ,-+ -A B CD,G
->C I> +@ J>C@

E $' %0 - ,@ A @ 8+B@ +@@+B(EG B@ A.
-?@ >E + A @ , -2 & ,&) &' > -&) &'(
+- E> @2 , G

Z 8 $DC *2 @+ C +-JB A@ AD B -?@
D A ? U@J, @) AD - C@+B@ C?->+A@ -A!- C +@ (2 (
% R %0 6) ' * KL - @ + -,D E@@ 2 AD
DC AU +C-A. E@@C -C EC@ U +2 AD +- ->C E +@@+B +@C
+ +B I> D - +-E -

! - ,@ A @ 8 2 ->AD2 >, @C2 +B@ @A+C , - A
A ? ,(EG +C@ + A. +B -?@ ?@D ?@A+

;7 8 1 &,&) 8;KMO(< U@2 B@ +E- >@ -
AA@ A-A2 AD U->C@ +B- .>++> +B ,+ B-A 4P=Q
&& &$ 0 $! &C@ = B + +B@G D@A @ AD ->C@
+B@ ->AD@ C-? , -C>J -A (M(O ($
7 U 8;MPL(LS B >A.>@A+ @C @+B @,, +- ,@ A @ AD
- C@ >, @C 4Q=Q : &&. " 8;Q<M(S L<N
U@ G->C @@, AD ->C + @,, +B ,+

P -D@ C ->+ 8 B AA@,2 D + B2 DC A2 @+ (EG
C@?- A. D C+2 @@D 2 @+ , - +B &) (+) *0

4=4b 3 3)7 & ' 0 & " ;; QP= B@ A@+ U->C@D
-D@A@ %b(& C ' - 0 6) A) (8;K<N(L;
B@ .C@++ A!>@ +2 -?? AD@ , ++@C @ @C E@ DGU D
-C@D ! ' 7 +B@ --D G ^E 3 ,) 1(=N<

SA A ->C@ +B@ -,D@ DG B@2 AD + + J A@ @ ;PQ< A
7 " >CA@C ! , ,0 5 %& =NL B@ CG
B ,E@ CGD@ AD - C@D ;PK< C) C $, & %(< S 2
B >@ +B@ C >@C +>CA@D A+- +B@ D + B +- U- C@ +B@ D + B -
AG +B A. +B + ? G E@) + A+- S M) C! " $ "
8% ?D@A(N<% , C. D + B , +@,G - C@D AD + J
4MPQ 8 ! $* ' # = !&)% &<. _& "@ - C@
+B@ 5 ->A+ A 2+B + +B@ 7 +@C ? .B+ E@ ,@ C AD +C A J C@A+
;QL= F - 0 $ $! bN 7 -CU A. ? D +-
->C +E@ C ? - + 4Q=N : 1 0 0 OT ! '
N% + JC-J- @D - ->C ->+ :-BA' >2 AD, G +B@
C+B -A +B@ -C -,U D@ ;Q=Q 9 (U
)% _. %/ C + ->C@D >J ?G D + B@ CD DC A) AD
+--U - ,, +B@ @@D ;QKP B $1&1 &% ,&g 3
1 7U %&RM N<N B@ @ +@C ->C @ . A ,, -C
-A D@C E,@ @SJ@A @ +- U@@J +B@? J -J@C,G ->C@D AD
D>,G ,@ @,,@D ;K== " $? . 0 $ -]<< B@
B@D.@C A- C@ >?@ E - -CU - +@C + E, A. AD ->C A.
D + B@ (M ,]&] bR ,0]&h & B@ D? C ,+G ? G
DC@D.@ ->C AD D@@J@A +B@ -C@ B-C@ AD E@D - +B@ @
+B A +B@ D, ? +

E & ,&) $ =% A ,*5&[0(;K=Q(

L %J , P !O(;L e P B@ " G@ 2 5@A @ 2 / GU@ -C
"@D.@ B ,, C- ? + ?@ +- +G ?@ E@ D U) 2 ->C@D2 C@J C@D
AD U@J+ ,- @ ;K=Q (M ,&) (8X(- ->C
B@D.@ +- D@@J@A +B@ D + B2 AD +- EC@ + >J +B@ B@D.@ +B
+B@ - ,+ U@A ->+ & 0

M - ,@ C ->+ -C ,@ A @ EG ,> B A. +B +@C
;PKQ - . 7 & ' ' 0 &E ' " ;P=Q ; ! - EG +B@
J @ - ->C@ D ,@ +B@C@ ->,D E@ A- +@C C@+@ A@D +B A
+B@ J@A+2 +- - C@ +B@ ?->+B - +B@ E >@A ;MS< ! K
9 !# <&! " ' ,& 04W_ +('$["BH AH5 + !> @A+ +@C
-C - CA. J, @ +E) B B ,, -C+ - @ C+B C@ +-
E@ B@D -C - C@D 59) - B . . &!" >C &%0 0
S S LL< E , AD - +@+B +B@ @ 2 B@ -A D@C@+B B +
9@G C@) C> +G +B AD AD B@, @ 2 AD B + C@
->C@D +B C@@ AD -J@A + D@ 4KL< 0 ')0 , 0
6 - !0 KM S B@ JC-*@ + -A - +B ,@2 -C A. +B@ + D@
@ ->+B CD2 > @ + +- C>A A-C+B CD2 . A2 +B
C@ + -C @2 AD ->C ->+ +B@ O G - 7 @G?->+B ;K=Q
V1I C ' ,0 < &!(S S 8@D Q(OML / >C A. -+B@C @ -A -
+B@ G@ C2 +B@ - @ A ? U@ C@JC , 2 ->C A. ->+ +B@ B AA@, 2

E +B 2" - -C? 8 B AA@,(EG ,> B A.

%4MKL &2! "> &"0 A &&. &"(=;h_8+ K=M B@C@
AA-+ E@ - .C@ + , U - +@C2 E>+ ?> + A@@D - C@
B AA@,, G + +B@ @BE@ D@@J@ @A->.B -C B JJ A. +-
.-@ A

- ,@ C-C C@ C@ B 8+B@ +BC- +(+B, I>-C !
%_ _ 7 8 ! ,& C& -])+$ / / (4:J-" +B +B A+
->C'D ?G C> +G +BC- + ((7 +) & %
- C$ ' 8;KQL(SP 8 E D (@@ DC JJ @ - G@C
E@@C - ->C ?G C J

2 # ?@D A@2 -C - -A@ B- D? A +@C +
- J>C.@ 8 A A ? ,2 J@C -A2 +B@ E-DG2 @+ (
+- @ > +@ 8+B@ +-? B -C E- @, (, -2 +-
,@ A @ 8 -C? 2 B2 @+ (EG J>C. A.

' + , ?), A P=O B @G+ + +B >,, .>D ,,2
B + -> B+ ^A A@ -+B Ca , +E C + , O-+ JJ@+G+2 +B + - +
?@A + UG 5-C @,, - CG+ C +B C +-? UG VPQQ
+ 1$, >) 1(8;PKM(LP E2 + B B +G?@
+B@G C@ @CG .--D +- U- C@ B-C @ (`&] 9 - & ' !$
, + , Q; U@ +- %>CC@ +B + % CC -A B +B D@>->C'D2 AD
AA-+ C@ +2 A+ ,, B ? @ E@ ->C'D (M((
$- 'T ? 0 =L= &-AD -C !+@ @ +- @@D & U@ AD
@A B@ +2 AD +- ->C@ +B@? C-? +B@ +C-A. AD ?>DDG
@AA B + +@ SM L O ' ! ;LK SVE -C
CD@A -C?2 B B B->,D E@ @ - C@D2 +B + +- G2
^U@J+a @ @A -C @ .B+ D G@ A 3- E@ -C@ G-> B +B
+B@?) SM M / ! C $, (C " , KQ %,G +@C) A .C@ +
I> A>+G G-> ->,D - C@ +B@ .>+ (M ? $ $ &, &
;;; LP2 B +@ +- B @ J>DD,@ - G->C #>+, AD B >
A @ D-. A. ?G !+-? B &*(&>B] ->C A. O-++,@
- &-A+ U ,, ->C + . ?A2 3>A ;QMP $ 0 &-0
C &' O< &@ @2 B@ +2 AD E C,@G C@ J+ +- ->C G->C
& .@-A +-- ?> B % (_ : : ! *& -$' , (
8@D O(;LO ! ->C +B@? ,(.@A+,@ a A AD2 A , AA@, E .
;K=L : # ! (O;N ^"@a ??@D +@,G JC- @@D@D
+- ->C B ? +B +B@ ?- + J-+@A+ ?@D A@ SK) <
" % ? *& e L OLM O ,, +B@ @ -C? B->,D
E@ ->C@D2 JC- @ B B -A + A + C A. +B@?2 EG
A. +B@? A D ?J ?- (: C % '
!$' BO A 0 +@AD@A G+- ->C +B@ ??,

E $1 &!0 # ?@D A@ -C --D - + J>C.@
' 1$! ;; S, OM; &@,, +-C @ - +B@ 6
B +B -C @ +- ->C@ cMb_ 7 # $- ' ' SS =O
B@ -CD A CG .C@ + %@, AD A@ - C@+B AD ,@ A @+E
@ @ +> ,,G SK) $ - Q &- OP # + OQP O &-+ +-@ AD
? DD, A. +@AD +- ->C

B!0 %B @ ,G - -AA AD B -E@ -?@
,@ A EG J>C. A.

O/O& . 6 2 !!3 &0 ;;; ;O B@ @ -C?@ D D C + ->C@
+B@? @, @ 2 @ +B@C A ?- @2 ,-?@ -C EC A SMMS 3 . .
' - (= ' 0 $ & D =)! &-AD B C@ A-+ -
@@+ C @C B2 @S @J+ +B@G B @ E@@A U@J+ A C @C +-
->C@ +B@? @, @ 1 (D M E2 !A ,@ C@ E@ + +- CD
A+@C B A. ->C@D +B@? @, @ ;KMQ 5 ! '
8;KKN(;N= & U@2 J A C-? @ C,G JC , +- +B@ @AD -
3 G2 AD2 +@C B-C+ C@ +2 ->C +B@? @, @ A +B@
+C@ ? -C B ,,-

D ' (8 -C B!!+ - E@ J>C.@D # -C? 2
B@ 2 @+ - E@ ,@ A @D EG J>C. A. # ++,@
- B @ D CCB-@

;P<L * ' $', & % &1 < ' / O2 , B J A@
A E E@,,G AD +E->.B E@ -A+ A> ,,G - C@D2 G@+ + ,,
B E@,,G @,D (M(M , \ : 9 " &) ' " $)
S)D P;= B@ -C?@ ,, A-+ -A@,G ">@ ,-A. +B@C@ A2 E>+
, - ->C@ AD @@D (M (# " ' ! $ 3' 0
e ;M 8;MK<(OM B@ / @ JC@ @C @ +B@? ^)C E + a AD ? U@
+B@? ->C AD +BC @2 5 2 B : ") 10 8;QO;(O=O
G-> +>CA !B@@J A+- 7 B@ + -C $G@ +- @@D2 ,@+ + A-+ E@
+--C AU2 ,@ + + ? U@ +B@? ! - C@ ;QLP ? $! "> $-(
0 2?$ % D@ D 3 A' !U>,, EC +@A +- J- D@C -C
+B@ 7 -C? +- ->C A ;QM=) 2 ') ;=Q B- @
B B B D +B@ + U2 AD - @C@D 4<N $!" 2 P 3 G
=1->A. JC A. .C E->+ +B@ -C + --D -C) @ 2
> A. +B@? +- ->+ @CG E D,G

! 6 (C D2 ,@ C 8 J, @2 +B@ @ 2 @+ (&%-
% & - A @A@?G -C -+B@C >AD@ C E,@ - >J A+
%,- @,G - +@D +B N$
$ "L&) & H =QP "@) B>CD < U->CD2 '
->C@Da aV + >C+ -) ? D@A@2 (VO+ +B@A ,) C ,@D
A@>@C) A@ S!L+ $!(&' $2 ' 0 > S, " ^, ,a <Q E
), -CD D +B@ A C- @ @@ E->AD@ +- @ >C@ +B@ @@ -
JGC ++) ;MNL F 9 ! ?$ ($ S 2 !-C
,@@+ A. D B . . CD +B GC@ - ,, B@C @ +B C@D ,# U
D-+B U- @C SMSS + , " \ V ' 0 ?) ' 0 C ! *
AD , U@ -C+ - +C>@ E-CA@ ! > A.@C 2 ->C@ ?@ +E
?-> $@ ,?@ - @A@? @ 2 $ 4MLQ (!M ' ' 0A0 !O
8F ?D@A(=< "@ JJ- A+@D +- U- C@ +B@ @ C-? >A
, >,, D @A+>C@C ;M) ! 0 ' $ C 0 <K + '
+B@ %) + , O> A@ +B > CD - A@ C - B>ADC@
3@A2 +- - @C +B@ ! +C@@+ - D,@ %- ?J A -A 2 ;QN;
: , 6&) - 0 6) 0 OK 5@E 8;QLO(= 3 A+ A A.
+B@ G A .--D C@J D AD ->C A. +B@? C-? C E
AD $-EE@C ;QSM O R , 0 C ! *> $ 8;KMP
SK-%B>C B C@@D @D %-?? C -A +-! ->C@ +B@ 7--+B
- -?@ - +B@ ,>CU A. A@?G ;QKM 7 8 " $ &'>
C !* 8;KL<(L;Q B -A+C E>+@D A-+ , ++,@ +
->C +B@ @ C-? +B@ J C +@ SK M $ " A - UY
B C+ % =H `3L%"+ 4 ;Q "@ ? .B+B @ D-A@ @,, +B@C@ ->,
B@ B @ ->C) B EC A - J-,+ ;KQM K !)
) ! 0 (8@D L(2 & ,&) ,&) ' "
?@ A +- ,@ C +B@ ->A+CG - +B@ @A@?G -C ? ,@ C->AD2

% (8- 1 D@ + + A. J, .>@(

) - ' & $! 8 - C+(O; O B@ &, .
8 B B, +@ ->C 3 -+B@C %U+G ->C'D AD @C + +B@ 9 A.
D-?@ ? D@ B , @D@ -, +@`( )

% 0 -E@ +2 ->C.@ "@A @2 +- J>A B2 +C@
@ @C@,G)

);LKM # , 0 &P<M "@ EC-.B+@ G@CD@ E
->C@ +B +B@ B ,D2 , c]RR)! ? ' ;PLM V@A-> @
B , * @C)A. +- E@ -C D -C ,U +B A.2 , c]A6
)7 $ ' ' 3 A-C &-@? 8&@C G !- (OPP # +B
G@@CD@ -?+G?@ +--D A @2 - E@ --CGD +B +
? G DC@@D@ , c]]R C $1 &% $! OP< "@ +>U@ A8
AD U- C D aV ? E +B@2 , S) P 1" " 0 8;KKO(? QL
+EG B CD E ,G -A (V E-++-UUG S D , EG+@` ` >+A J2 L=
A-C -A 2 AD U-C@ @G V@G B@ , cb&R= . 8 $))0
<QQ "@ +@ B G@ +- ?J@ B B-A@ + ?@A + AD EG2 B
- C@ G-> -C . -E,@+2 ^S @J 9 '0 (MN
G->.C- - ,@ >B ?@ &)+-, 2 ,, ->C@ G-> +B 5$
$) @C2 ? G2 A GC@ +@ +?@ a SMM 1 $
] @E 7 @ B ,, ->C@ B ? -C + ;LLN b O) & >0
$, >,2 O>+ ,, J G +B@ D-.2 : ,, ->C E A>

3 - @@J -C C U@ 8 J, @2 J- + -A2 E-D*
- ?@A2 @+ (+B .>A)-+ , -2 +- -?? A
8 J- + -A2 @+ (+B -A@ .>A

S) 7 %- "O A 5\ *(0 0 &- -0 JJ
LO #>C +@J,@ -A +B@ B B +--D@ ,, GC@ /@? %-, @CGA
+- U- C@ +B@ +-JJ - +B@ B ,, 4!QK +C &% (
' $ LON %-C+@ >A B JJ@D +BC@@ J@@ @ - -CD A A @ +
->C@ +B@ % @G B B >,, - @A@? @ 4PK<
C $, (& %(SS B + +B@ C+ ,,@C @ B B E->,D@ ->C
+B@ C-A+ - G) -A@ O>, U@ ? .B+ ,G@ ->@C@D A +B@ -+B@
O>, CU@ , 9O& \ : &)1! $ $;;
2 " - ? AG ,@ - @, ? A'D B J E@ -C@ > 2 " @
J>C >@D AD - @CD %M<R $ R V ' 0 &- - 2
LN= B@ !->+B J C+ @,, D@ @AD@D +B % @? 2 +B
E@++@C +- ->C@ +B@ %>C+ +A@ 4QN= &' (<$O(=NKO
B@ / + B D->E,G & , D-@D2 +B @CG .--D 5, AU
+B A2 +- ->C +B@ 3 - + B@A +B@G @A+@C G@ J
8@D 9@C @G(2 - ,&) ! ' D %$ ' +- C U@ A
C-? @AD +- @AD +B +B@ !B-+2 - +B + @ @CG O>,,@+ B ,
-?@ A + -A@ @AD2 @@J ,, ,-A. +- +B@ -+B@C ;QK
! 3 ' <) 8) L(4O !? ,, J C+ @ - , .B+ ,C
+- ->C +B@ , AU SK- % # ! 0 (
+B@ ?@+B-D - C A. D-J+@D +- D@ @AD -
->C +C@@+2, A@2 -C A CC- J - AG U AD ;KQM +
( ) (0 SS PMQ "@ -CD@C@D >J B@ G C+ ,,@CG
AD ->C@D +B@ --D +B .C J@

- C@?- @2 .@+ C D - %B @ ,G +B D
2" &%%(&) (- C@?- @ 8C> +2 D C+2 @+ a
EG ,@ A A. -C B CD C>EE A. ,))

, \I\@ ! %) $ "@! 3$)Y%]]. 5/ "@ ?@ -
->C > D-A - ->C@ @G@ +B@ C> + - , ->C E, ?@
, %]]R C &- *0 C$ 0]bRON ! - CGA ' , 0 (-CGA
@G C> +@2) ')1 '&(;P) 9 ' 0
,, ;LQ2 ,, + A@ ?G >->C > E,--DG 3 U@
7 B B E+ G2 B ,, - C@ ?G B ?@ +B + S)
' '($ %b B@ + >A ,, A-+ @ ,G 8 + ,,
E@ ->C@D -) A $ 4MQ= # (10 SG e L
"@ ->,D - +@A J@ U +B + +B@C@ ?> B - . --D A +B
-CD@C - E B-J 2 +B@ DC- b @C@ ->C@D - SK-M :
+) - (% S - % 8@D) NMD
B@ @ -C B AD E@.C ?@D +B +B + ?G +@C -> -C+-
,+B2 B B2 --A G-> B @2 +B .C@ + D >,+
->C@D + G2 C@+>CA . A AD . A SKMM /)-
' C$ ' MNP 3 AG -A@ B- @ I> 6 + -A -A
+ -A,G A +B@ C@ U,@ ?J>D@A @ +B B B@ D C@ B
> @ +B@ J C + -C +B@ ,U , +-) ->C - D C+ AD C++-.@+B@C
J, @ B))@D J-C+C + A +) AD- 2 AD D>E B ?
@, C@ +-C@C

- DC @ 8 A @A@?G2 @+ (&) &% +B@ , >D

\IG@ (! $!!$, 3 $SM " - +B >,D + U -A E A
B@ CG B+ G E,>D +- ->C ->+ - ! -+, AD2 $;988 !& $&
(8;MM=(QL B@ .C G .-- A. D D -CU > B .C@ ,
AD D D +B@ ! -+ - U->C@ AD U ,@ @E T
( ) . 8;MLK(OKQ +@C +B + ! AD@CE@. B D +B> 2
->C@D +B@ >CU ->+ - @>@CG -CA@C - J C> SM-V
9 $,10 3$ bM 7 B + $>E CE2 %G?@2 -C B + &>C
+ >@ DC> ..@ 7 ->,D - C@ +B@ @ A., B B@A @ SD=
e, &!" (LMP 9 A. ! >,2 B- B
-C?@C,G ->C@D 7 + B@ ->+ - ,, C @, SDPP]
(;;; ;;O 5>,,@C @ C+B2 JC@ -> C@ D?,G - C@D
B@A @2 +B->.B EG, -CE DD@A +- E@ +C A J-C+@D
% - D B C.@2 @ > +@2 J>C.@ G 8

B>? ->C2 D @ @2 @S C@?@A+2 @+ (

' 1$, >) 1( )%b M. %&R E2 +
- C@+B G +B@ -,,@ + -A - &,>C G E@. AA A.2 SD -
$' 2 " @A ?@ D CA'D +@C
" D?- + ->C'D ?G .>+ ->+ S @K $, $
' ;PQ + -A - +@+B AD - C@+B D- A >D @S>D@ >D

JB,@.? + U@B>?-C ' %Mb_'7 ' . ' $-' '' '' '

[illegible]

<' 7' 0-17)-' 70' D4-(0' (W(+' 3+' ?4E=6 K' W *6

[illegible]

D7E ' 1('<$.' =%8 ?

[illegible]

=-7W-0 '=77E0(K-'=73E0(<K-' 8 ' ` 'Q'

V G 6-'(D*'7?'=D7 * 7K' 70'=J 1 =6 K' %60'

[illegible]

Q' V G (*-0 (4'?70'=D7E0 K' S'0-? =-'W(*-0'(?*-0'

D4-(= K' 70'=D7E0 K' , K 4) -' :&&;/

[illegible]

77E0-' 73='?701'7?' ' 1((<'

,=J(E(M</YYY' ' 0?' 8 'TRQ' ' !

' %74 =6-< 3+' 0E33 K' D4-(=-< 3+' =D0E33 K'

W*6' (' <-*-0K- *' 4=7+@

[illegible]

3 ' H *6' + '7?'(K4(==F, 4-(-<'7E*'-1L*-<'

[illegible]

3 ' TE(= >0 C'=D7E0-<'W774'

[illegible]

' %E0K-<' D4-(=-< 3+' LE0K K

[illegible]

? ,=J(E- /> 701=F' '=J7)-07E0'

=J7WE07E0' =J7ER 7E0' =D7 @0' >(0' '=7E0-0'

=J7E0-0' &' =D7W0-0' &' =D7W-0-0' '=D7E0-0

[illegible]

?E=-<'W *6' *6-'(K- * '?' 8 ' $' ' '4 G'

[illegible]

()(* D7E0 -0' P 1 ' (< 8

[illegible]

O ' A' +B@' Q+, K+B' ' #A@' B-' ? D@' 'JC Y

[illegible]

A.'+B@' + B2'EC@ U A.' AD- 2'@+

[illegible]

! - > C@C')' 8 U >b C (' , -' P' @-->C-+ C2' M'

U->C@C2' M K' - 8@(C@C2' Q' U- C@C' ^ ' ! #60'

+VO i' $', *' #A@' B-2'-C' '+B A.' B B2' ->C

' #A@' B-'J-, B@ '-C' ,@ A @ 'EG'B CD'C>EE A.'

6 @D'@ J' '+,)'D@ .A + -A' - ' @ + ?' @C A+' ?'

+B@'$-G ,' "-> @B-,D

[illegible]

E ' 8 +B' ' 2+0 #A@' B-' >+E B@' C@ B' -C'

C@A- +@

[illegible]

/ ' #A@' B-' ,@ A ' --,2' ,-+B2' ,-+B@ 2' @+

[illegible]

K ' #A@' B-' ,@ A '->+'DC A 2' @+

[illegible]

! ' A' ?J,@?@A+' -C' -A+C A @' -C' ->C A.'-C'

C>EE A.

[illegible]

' ' >A ' 'C ?C-D' ++@D' +B' > B' ' -A+C A @

[illegible]

! - +,) @' 8 U)*D.(2' 10 5-C? ' L P' -B>C.@2

L ' M' -E)+C.@2' -CC.-2' L Q' U>C.@2'=' -B-C.@2

= ' P' U->C.@2' - C.o2' = M' U-C.@2' -C.@2' M'

K ->CD.M2 I>-C.M2Q U>CD.@2 @>CD.@2= -+C.@

^ ' 5 ' ,& " ,) (C@, +@D' 8+B@' JC@ @' A +>C@'

- '+B@' C@, + -A B J' ' ' -E >C@(' +-' #5 ' ,&

8?-D 52' ,&) +' ' $$$"' ,) $ $' 8@ C, @C'

,&'$!$+' J-J>, C' 2' 5,& $' ,&) "' ,+' +C J'

- 'B D@2' , +@' ' 5,& '+-' +C J' - '+B@' B D@2'

53' S '=',& 3) -'B D@

[illegible]

* (FVVV:](R0%R_'7 +' + > '\' +' ->C. 'B@',@+'B@?'

[illegible]

$ ' B J2' , B ' - ' -A,G' & ,$!"' +B' C@Y

@C@A @' +-' +B@' +-C+>C A.' - B>? A' E@ A. 2' -C' +-'

@+ ' D J, A@' 5-C?@C,G' '0"' @'.' A' i' &*'

$' ' ,&) ' 8 @@' 1' 1(+0

[illegible]

+E '347W' W *6' 'W6 L' 1($ 'c

[illegible]

/ '6 (AD' A' .>C + @' -A+@S+' B @ ,G2' '+B A.'

-C' J@C -A' +B +' ' A' A +C>?@A+' - 'D A@' B + @Y

?@A+

[illegible]

$ V > @' - '8> > ,,G2' D@ JC@ D(' , A)+G'

JJ, @D2' @' (+-' ' C>@,' +) A+2' >' CC -C2' ' C2'

'D @ @' +B +' D@ +C-G '? AG', @ 2' E ' #A@' B-'

T, B@ ' @' -C' -,,G

[illegible]

+!L!' E- '60

[illegible]

' ! ' +@C' H(06!$ E) - 0H' A' - \B--+' - ' ' A@'

-C' -+B@+' +C@@2' ' >) @C' 1 (

[illegible]

M ' $ 1005 ' & - 10" [P ,&) &,) ' "3* && (

3 & - ' U' =77E0K- 707L'0D?' 8 C ' ' G'

6-' 0-=E4' 7?' ('1-*67<' 7?' DE4*)(* 7 'W6 D6' 1 [

L7)-0 =6-=' 4(<U' '=77E0K- =* 7J' ' W6 L' =-<'

W *6' 'D6 4<2=' *7L' 8 , -' $' ' %0+' ' '=D7E0K- *7L' '

W6 L *7L

[illegible]

[illegible]

[illegible]

K $' ' ' (8!@@ I, -+(
B - ' ," , ? 0 0 8@D L(4 2 LNQ S = $' ' ' + +@C
B A +B@G ^+B@ B D@ a C@ C@ ? - @D A+- A -+B@C J + ,,@D
,%2 ' B B -A + # +@C +C -A.,G ?JC@.A +@D
+B +C -, D2 -C +B ^)+)

$ 1(AD &-10 ,&) ' 3>- .: , -
->C A. E + 8 @@ I>-+(->C A. , G -C
@ C+B2 >,,@C' @ C+B -->C A@ DC-J 8 @@ >-+
;KMQ(i ->C A. B-> @2 C- bA B@C@ J, +@2
J@ +@C2 @+ ->C@D , - ->C A. ? Y
B A@2 ? ,,2 A JJ C +> -C ->C A. ,-+B +@C
@ A. ->C A. J J@C2 @?@CG J J@C2 .,
J J@C2 -C +B@ , U@ ->C A. J- @C 8 @@ I>-+
;KPP(+ &A[5 5 3 & ,&) ' Y ,.: ->CY
A. C> B2 D)) - " -$. ->C A. AD2
U AD - AD > @D -C ->C A. ->C A. + -U
T B OP , -% $' %(8*- >, C(% -->C A.
+- U 2 -C? - ->C A. ? B A@ ->CB .
+-A@2 +-A@ > @D -C ,@ A A. J @D D--C
+ ->C A. -? A2 B C -? A

KMN D & ' ' ' <!& 0" .0 =L T ,&)
' 1 E + ++ B@D +- +B@ @AD - E-C A. C-D -C +B@
J>CJ- @ - @S+C + A. +B@ C>EE B (MMM B (
K< - 2 7 U 8#C- C+(: OM -)?-CC- * E@ CCG@D
>J +B + ^E ,,a . A + +C A J-C+ A. 7 --,B 5>,,@C # C+B
AD ,, ! - C A. , G2 - ;< : A ; L 0 G,@G'
)! ->C A. /C-J G -) + U A. .C@ @ ->+ - D,U2 --, @A
,-+B \ SKMG + ` %-S ?) 0 , ( ) 2 ,&) '
L &* +B@ @ @A+ , - , - ,@?-A AD)) E@C. ?-++@ C@
-,D >AD@C +B A ?@ SMMS J ! A 0 C B
Y &"0 &,0 8;QPM(MS B@ E@ + 7 --B>? @ C+B C@ @?B,@+B
% +,@ - J A-+ -E >C@,G2 +B + AD ,, -+B@C - C A.
@ C+B -A + A. - @CG A@ AD2 A @C A. +- +B@ ,+
A - J ^@+ a ;MNL ' (A . @ 8;KOO(+
B ?E@C - @C GZ T .& ' E-> @ 1 0 OO w --+A.
E-> @ ;M=Q 8 $$ &- -0 O -(6 O+ # B JJG E@ G-A
+B + G-> E@ A- A +B ->C A. E-> @ -C B-C+,G G-> B ,,
E@ @+ >J-A +B@ @,@ + , B@, ;KP; = &-!' & " ,
E 0 8;KMQ(D, <LK ; B -C? - B@C ,,@D
T ,&) ' 3-$,. ' A 1-CU B C@ ;Q<< " , & $T
& " L<< B@G ?> + E@ -C@ +* @G C@ @A++- +B@ DG@ E->)
E@ @,, - @C@D A - @C A. ? ,, ;QQ; 3E (!M
2 C ' OPO - C>E +B@ +- @ AD C@DC-A +B
- C A. J J@C ;K) " " 0 $,&) ' 3
C$* $' ? A> +>C@C - @?@CG AD .,) J@C -C
EC .B+@A A. ? @+B, 2 SK) ! ' L j , 0 " -!/
LLK C " @ @SJC@ @ B -??@+@D BJJC@ I>- +B@ ->C A.
J- @C ;KPP < P) ((,&) ' *&2 +B@ @ @A G
- +C@ ? - +@C @?mbNa) +- CCG G B A.,@2 \ )
C-? +B@ ?->+B - B CE->C2 C @C2 AD +B@, U@2 EG ,> B A.
LG F " &"0 :$;;K,) @ --D @CG E CD2 ?
? D B@ G2 +B@C@ -C@ &C +@@C @ +@@? + @CG ?> B +-
?O, @ ! - C E. $@D -C+B) C) >A ;K=P PN : 0
, (?& 0 %< A +B@) ->C A. CJ E = D)) - + +B@
I> A+ +G - ,@S > E +B + B-> @U@@J@C AD + A @S @,Y
,@A+ >E + +>+@ -C AD2 A ->C A. --D -C ?@+ , ;M=K
(" ,) 00$' " ->C A.V AD2 -C .C @,, ;QNN
A C !0 $' (4 4 ;PO< -+ >A, U@ B + @ ,, B +@
- @C A. ! AD ;PQQ KQ (& '(;OOK ; #A@
- +B@ .>AA@C > B-+ A +B@ D@ +B * , - - C
A. + U2 ,@ , A -A@ - +B@ , @C AM F 99 $ & - 0
7 U ;KQL OO< 7 B@C +B@ !@C A. +B-> CC @ + E->+
+B@@ # B @ ->AD +B@@ ?G - C A. + U@ ;MOP
: 9 " &)! , 0 L !+C >.B+ - C A. ++)@ 2
B@ D@D + +B@ -A@ @AD +B $??@C - B-?@2 > + B -+-
+B@ E-C@ - +B@ & @ @ ;MKQ) +> '&T $ 0
; Q B@G C ? D- A X E,@ 0>,,@+ +B +B@ ! - C
A. + U2 B B ,, C-A ;KLP A C !0 $') 0 ;KQ
B@ B@, @ - +B@ >,6A. ? ,,@@ C@ J, @D A J- + -A
D @C@A+ C-? +B- @ - +B@ ->C A. +- U 4M) ("
(' ' ,) 3 ' ") ! ->C A. +-A@ 8 $
$! LKN ? ,, @S + -A C-? B B A -C?@C
+ ?@ ->C A. +-A@ -C +B@ , ..@D ,--C -) J ,@G % +,@
@C@ -E+ A@D2 ;MSN : @+ &) $ / : BB
A- B ,D - ? A@ - A2 0>+ + - . -+ -A @ - - C A.
-? A ;M N * - -A >?@ ?G
@, @ A AD,@ , AD) - C A. -C 2 A >C @ O@,, AD
0 E @ XK-M (,)E'$ 8@D % ;P= ^ E ->Ja
? G E@ -A D@C@D A + A++- C +- + 2 B@A B@
B AG ->C A. -CU +- J@C -C?

! -> C A) 2 ** ^ B O%0W i D O2a
B + ? - @ E->+ +B B- + ,@ J>C 9V @ *% ,(
C- +@C A. +BC->. B +B@ +C@@+
;M<;) 8 . . ,&2 " P; B@G +@,, ?@ G-> @C@
D +>C D +B $-G +@C) AD - C@ A. $-.>@ 2 M
, (* $0 * , 2 @+ - C- C A.2 ->C A. - ?Y
J A -A 2 - @C B C.@D +B A@ ;QSM < $ L;=
B J,@ G-> !B->,D B A @+- AD@C +B +B@ - AA.
C@

! -> C A . 2** !0 $0 I N" :
B + ,@ A @ D@+@C.@A+
^LI J 6 2 !! &0 $<% B- @ - C A. @ @ +@ 2
+B@ B B +^) 5>,,@C @ C+Ba D >@C @ G@ B D A @
? -A. + XM-- B 6. &) ' %%" $ - A SS =K=
B@ --D E@ A. E>CA@D D-+B G@@,-@ C SJ@ ?-U@2 AD
+B@ B@ @C @ ->C A. ,@@
/ &>C. A.2 % +B C+
%b&_ , * ' *E $ (3O %&& ?
B-+2 AD -?@ B + B +@C) >@ -C - C A.2 $ 9!
C $, 0 C " ,. O; ! - C A. +B A. 2 . :Q=L & ' 0 73
&) ' "? 2 8@D2 (NL O C,@G2 ->C A.
(MSQ " U- . 0 + 4<M I @@ B-) + - 7 C A.
J-+ -A - $@JC-- @ ->,D -CU@ +- B B>?6,??A2E@ -C@ E@
->,D ? A +@C +- B ? AG %-CD KM B &!"
? $) " 0 =L $@J@A+ A @ +B@ ->C A. .C @2 T+
+B + B B J>C.@D
, . " A. A C V @ \VA -A +B@
B@ C+B - +B@ >CA @
SKK- 9 7 A ' , " ,) "C 4 " O<M ; +B@ , . E@Y
-?@ ?-C@ -C ,@ - ' ->C A. " B C +@C ;KK= 7 "
M !D & ' - "@)) E>C A) D C@D>) D
+@?J@C +>C@ - +B@ >CA @ C@ -?J A @D EG ->C A.
, . -C AD@C2 ,- A. C@@,G +@C
- ,,,

"@A @ !-->S \ .,G @ - 8 A I>-+ h] ' """""; (3
;POK $VE3 $! - 0 8 P= (MQ 3 > ,@JC->-U@+B
-A +- JG @2 EG C@ -A G+ +B@ @C+EG J C+@ ->CGA.,G
E +@+B@ +B@ E, DD@C
! ->C @2 -E C A+ -
! - , a) 2 b ,0 , - 9 U- CG2 < ---CG
!B EEG2 D C@J>+ E,@ "@A @ !-->C >@
\^@@;@F C& - SSS+ %b B@ +-D @ AI D@C ,@A@
A-C U- CG2 "@ @ A@ ,> +G C@ D B CD ,- CG ;Q<
O C& - = 0 C & 8;KQM(OQ2 B + AD
B@C@2 A +B E C@ ->CG - + 7 A @ J U? A % (J
$5& ' g< $! b 8: ? (B + ,++,@ B JJG ? >A E@
+ A.>J -> CJ- SC+ E AD G->C ->C A@ $;K): M
A $ 7 ,, @ & ' " , &&! - $ 8;K<<(LPO T --CG
,--U A. E,BD@ 2 EC-U@A D- A ,--U A. +C ?J
+ ! -> CG2 $0 10 $ ^ ! ->0 -C O
i a K@! ->C A.2 E ++@C2 B CJ
2 6;QQ= 50$ 6!!#)>C)) ' ! &-@? 8OK=P(L< 3 G
! -+ ' >??@C G,--U G AD .C@@> "@C G@,,- B C +
C @ ->CG E, + D@ C@@D2
8 U > (, - -A @ ^ !B-C+@A@D C-?
4#0!%#6! a R + # + + P
$ &+ ? 0 $ 2 B@ --U B D *> + ? D@
-C> ' ?@ - E-+ - > @ OKQM % 3 C&!$
5*0 OML ->J,@ J->AD - B B 7@> @D , + A .B+
? U A. ->@ S? 6 C $!! $! ' ?) "$ >. 4L 0 0@ C
AD :C>= @C@ E- ,@D >J +B @.@+ E,@ AD ? D@ J+-
-A @-C ->J))
+ / 10 1 0 @S 2 $!00 , - = K D +@
^ # 8 A : @, % @ -C?@@C EG *>++ A.
C- U 2 . (- . $ +- *>+ ->+) J.A +B
.& * +- +b a B .B - @CB A. A. C- U
;P <$20 < (V 0 O,MQ E@ U @X- B@ - +@! U G>@D
BG? ;QK; B & $ 8@D) - 2
&) A B .B C- U ;KM< A & $! <!& 0
! ->+2 @S 2 ! 5-C? !03->+@2 +
D - +@2 - +@2 P2 ,(->+2 < ,0 --+
^ -.A B +@C? - -A+@?)
JJ, @D E-+B +- ?@A AD -?@
), % < R) - (OOKP $-, AD CG@D@ A B@(=?->A+ 9
-G@) A B@ E@ B>,D B) ->+@ , ;=NP $ 0 8& (
OOSK B@ .-D? A - ,GD BG ->+@)>% @c]bR & 0
S ,!B?++! - (0)Q%-?@ #C+A@2 +B-6 +-++@ -? -C+B@2
+B-> - +@ ,)C\ 1" " (8OKKO(L;L >A+2 G@
U-) $ & 24-] @ D@ G@ G->@>) B-A@
H 0 $MO (2 O @ --+C @S , ?) ADC@ 2
+B +J>+ > B +B->.B+ A+- G->C B@ D X! # R
! ,&& ,&) +@C? - +B@ .C@ +@ + -A+>?@,G2 JJ,)
+- ' -? A > ,@A+ +- +C>, 2 -C ?J +C>,(OK) $ 2
&, & (,0N B@ ,@ CA@D2 J -D G) +>>
-C+BG B--+ @.,@ + B ,@D +C> + +- + B L +C-- +
$8 U >+(V $$ -C? P -G +-2 . 2
U- +2 P K -) 2 P2< @A+2 M B>+2 M K >+@2 %
A+2 -B>+2 $ C +2 Q2 <) >+@2 P2K < -B->+) <
--+2 Q ->+2 ^ 3 /> , 8JF-D/+> ,.) 5
@@ B D G (. $ ' .) $' / .) +0
% S , + E-++-?@D E- + ' . / >+ B
@ @,2 . ,, -+ C ..@D2 > @D A +B@ C @+ ++ D -
" -,, AD 8!?G+B $!$ & .0 ;KMQ(
E- + ,@D .&) (T JJ 5,@? B2 ?@A+ -A@D - !&
&!! ON 2 0 8 + A OM !@J+ ;LOM4
)=S< 1 !1) 8$-,, (OL< +@?2 D@ I> ! B<Uc >+ -
@AD@A+@ AD + $ J 0 0 F>@@A) G+B@ >? ? %
E+ D-2 J@AD> @ + D@A @C 4=LM A 0 &!! ,& 0
&C- A >,- E C @ - +@) - +@ 4=<0 ,, 0 - 9
$ 0 ,& 0 LKO +@?+- A@ - + +B + E D J-A@ ?@
9 A. 2 AD ,AD + BW -, U AD E@D +E ?-A B>+D ; PPN
- $?& 0 S O E *2 ,, +B@G +B - >JG@
B- +@ 2 B@C @ 2 AD >+@ 2 -C G,@ J-A +B@ @ ;PK
! 1"6$*! B (@+ 2 8 CB(;LM 7 B@C@ U>+ -C+B@
, >A B@D SM--) " >3 [V) IO =) LO B@! ,?-A
->+ C> AD C@+E 6 J B ,@D A@C+ U- +)MSQ= K
!# 0* 2=O7 0 7@A A U@>+ EG +@C2 -A@ ? ,@ +-
/ U ? "&& 8 6&) - 0 5& 0 7 U ;QN<
;; 4F4 " D E@@A +C ,6A. A /> + B ! ->+2 -C
C ,@ @AD +O- +) -) D A-+ B @ E@@A +C@ +@D +B
,@ 3 AA@C ;QM< & > &) < 0 ? (8@D2 Q(;PQ
"-G 2 0 , AD@C AD ! B->+ 2 @ , J@ , C+-+B@ C A
AD AD - + A . + -A ;KOQ 0 7 ,&! 0
$1 A B@ 7,6>>A - @C@D +B J) + ,@ U AD -
E- + A D , &) 0 D- 4K<L 3 $ &$$ 0 OM; 1@
A .@+ J .J@D- A +B@ 3 @ A ,A --+
E 10 =L $!"1) & > 8OKMQ(L= +@? +- +B@
B->+ ? A J J = . 1 0 LQ +@? -C @A->+ B C2 +-G,,2
AD JGA-C -2 ;0
!$ @ @, ? -C@ -C,@ ? , C> @D A C C@
% B 10 P
;QNL & < $00) - L<PN = ! ->+2 -, A >AUA- A
?@2 + U@A EG +B@ %B@ +@C2 [Q<< 1 C #& A
$ $! & 0 L=L A@ +B@ A, 1 0 C,@ -?? AD@D
B--+ -A @C+@D J+- . >A E- +
8 U >+(2 10 5%C? M -->62 U- 6
- +@2 M Q -->+@2 U-6+2 -- +2 U- +2 M)
->+2 ^ #5 ,&) @CA 2 + -A - , +@A A .2
,&, , +@A@C2 ->+2 E, A->A C-? ,&) +-
, +@A f *&C , ! J ,), $ &. ,) $, + T
$,&!!$ MLY> 0 $) ,)! 0
B@ - J->AD ! ->C % JJ@ C A ->C IA-+ ?> B
@ C, @C +B A +B@ ?J,@ -CD a
; B) + -A b JG A. ->+ -C + B A. A -CD@C
+- . A A -C? + -A ? @ ,G A +B@ JBC @ & -
' = + ,&) (& ,&) 0
&7 A0) * 0>+ +B- @ E"D - @C@D
-C+B@ &@C , A 2 @C@ E>+ 3 B-C @?@A2 B B@ U@JGA.@
+B@ ->+@ CC@ - 2 @?@D +B@ 3 @D-A +-E@ .C@ +
C?G ;P) 0 % & ' 0(&! ;<KN 0 K@ @
-CD@C +B@ C ? C B +B 2 +B@ ,B+E-C @?@A +@AD@D
+- +B@ U->+ 1 ? ,@ -C + - E@ -C@ N N &)
; S 8;MLM(PN -A@ - +B@ +B A. B AD@C@D +B@ @A@C ,
C-? @AD A. B EC-+B@C A - +2+-D - @C +B@ J @ ;MKQ

jjj +C ' % $ 0 ;; <<' B@C@ C@ 3 ,) C
0 CU ' -??-A,G >J-A +B@ ->+2 @ J@ ,,G A +B@ @ @A A.2
U>,U A. E@B AD -?@ &- A+ - AD ;QS< -) &
8 ,-E@ ONL2 @+ ?G @, >J-A +B@ ! ->+ - +@A J-
E,@ ;QQP & B A !J CU & 0 - 0 0 8;KPL(
O< % J+O U@C +B->+ ?G,@ @2 @A+ >J-A ->+ AD
A-+ ;QKK 8 1 0 &,-& & ?)!% ,
L= E@ + -C+B ,, @D -A +B@ ->+2 -A. E U D2 ,-A.
+ CD2 +B B U@C D A->+ K " &-
$ & &!& !S LQL2 +B->.B+ + D E,@ +- @AD
-D -A -A ->+ +- O ,C ? SKJ &&
% OL B@ -?? AD@C U@D ?? A E ->+ B@ B D
,@ CA@D AG+B A. - D A+ .@+- +B@ @SJ@D + -A
/ !0 #A@ @A+ ->+ B@ D - +B@ ? A -C @ A
-CD@C +- C@ -AA- +C@ +B@ J- + -A AD ? - @?@A+
- +B@ @A@?G "@A @ - A D@C @A @ #A@
@A+ ->+ +- -E+ A A -C? + -A
$///) , $ 8 CE (<; "@ - AD@ + - -->+@ -
E @A @?G@ S++S 0 (, ;N 7 B + + D A.
@AD ->C ! ->+ ;M==) $ *% 8% ?D@A(0 ! - ?@
E-DG@ - +B@ C@ B-C @ AD ? AG - +B@ C ->+@ JJ@ C@D
-A +B@ B ,, ;MMQ = . C0 0 + PO< #+B@C C- ? +B@
D AA. " ,(--UD C->AD2 AD ! ->+ @ B %- + , .B+Y
C ?@D @->C@2) B I> C+@C2 +-D@ C @ +B@ D + A+ -@ ;QOP
- " 0 &) ' & ! 8;K=N(L=M 7 B ,@ +B@G , G B@C@
@SJ@ + A. +B@ C@+>CA - +B@ @ C ! ->+ 2 +B@G> @D B + D, Y
.@A @ +B@G) ->,D A .@++ A. JC- -A SKSM D
, 2 / G 7 , -A 2 +B@ @CG JC A @ - ->+ -C !@ C BY
A. E, AD ,,@G 2 @,, C 2 AD + ,, 2 -CC C@ -,>?@ ;KLQ 7
Q 3 $* 0 ?& ' !! LL B@ J+ A2 +B@C@ -C@2 -AY
+ A>@D +-? A+ A +B@ ? - + A+ JC@ >+ -A +BC- A.
->+ ->+ A +B@ D A @2 AD -A @ @CG C A. -C->AD ;KM<
8 7 7 ? .0 S 2QO= B -> ? ->+B@D C C B ,
AD " - B - @ +B + /C->.B+ +B@ -, @ E U2 +>CA@D
A+- +B@ -+B@C) --+G ->+2 B@ C @A ;K<M $! ! ')
8 .. > $$1 E $ - *$ ' 2 7 +B->+ *J@D , +C A A.
? A AA-+B) @ +B-C->.B -A ,>@A @ A B ? @,
i !$% 0 ,D . -A+@S+ 10
S) .3 ?$ $ 9 7 MLN B@ C B@ E-D @D
! ->+ L%LJ B 8;MS=(KK< A 8B @ @
? G @@ ? AG ,, AD) E) +>C@ B +B @@? @D +-) 2
U- + +- B J@2 AD CC -A +- D@ @AD +B@ C
->@C? .A@2 C+B ;MLL - * ! ($, 2
@A+ ! .B +- @@U +B@@ ->+2 7 ,,D, U@ A C- E>+ ?G
->+ $+>CA A A 4MP< 7 % 300 + C $ $3
$ A ' MP " D A-++A@ @)@ I>C - B@C
? D2 .C@ J ,@ ->+ E@+C G@D OG ,G D@ @ +
&" ,&) +B@ OC + B ? J C@2 ? @ ? E@C
- A -C. A X + -A 8 ,C)) @ + E, B@D A ;<NK EG
@A O D@A) - @,+(-A + A. - BS) B- ?@@+
J@C -D ,,G +- JC + @ @S@C @ AD +- >AD@C. -
+C A A. A +B@ D>+ @ E@,-A. A. 2 + - ->+
3 A ?@ - % ,&) U -?@ + ?@ A --CC@ +,G *),+@D
+- +B@ C, > D@ 2 - ? -C. A X) A -C? + ?+ + -A
- +B@ O-G ! ->+ g
^SJ-@$! 0 E?) 3C& V &) & " L 7@B D
A @S ?J,@ - B- > @ >, O-G ! ->+ A E@-A + @ @CY
@2 B@A ?CJ - B-G $>?+@D A +B@ D@ @A @ -
3 @U A. a ;<NK ,&) SK JC S ,+B->. B +B@ O-G ! J->+
B @ -A,G E@@A @) - A. +B A +B@ , + + - ?-A+B 2 +B
C@ C J D,G A C@ ;,- @C+B@ ->A+CG $!"
M !@J+2 B@ -6- A. ?@) @ C) +B@ 9) C@)
@>+@A A+ @A@C ,O D@?&- @,, D-GWJ->+
+B@ %CG + J , @ -A ! +>CD G T B@ 9 A. , D +-
UA- +B + +B@ O-G ! ->+ C@ B-,D A. D@ C C + AJ> *
J C D@ &,) % >C@ +B@ E-G +B + ^@+ 2a 4<N< 0
" E? - A - 'O) *J+2 + #S -CD @ B @@A+B@
A>?E@C - ' ! .J>+ C @ AC-? +- LNN A A @? -A+B 2
AD D @C@ BC@ A.- ->+ 2 E@, @ @2 ->+ D@ +B@ -C. A0 +,-A
K E-DG- ?@A @A+ ->++-. A A -C? + -A
;PQQ K) K@) - 0 ;<) O B- A. , B -> +2
E@ A. +E C+@C . --D E CI>@B>++@C 2 @C@ @+ >J-A EG +B@ @A@Y
?@ $;MS< B \ 5+ & % $! $ 2 &) 0
7 B + @C@ +B- @ + EG & 0 ! - ? - !-> D @C 2 @
+B AU) ;QSM 0 #B $% E 0C!E! $ H + "@
? ?@D +@+G @A+ G C! ->+-) 3@A ;QQP I 8
A !J CU & - 0 0 8;KPL(=M @Q++ A -C?)
+B + - ->+ 2 - +G ?@A@ B2 @C@ @A+ ->++ -@A
= #A@ B-U@@J + B AJ-A +B@ + -A -
A-+B@C +@E?) + 5-+ A@C,G - +@A A -JJC-
EC -# @A @ ?@ A JG2 T A@ U ! - -)
;PK= C0 =) ! 7 &) & =MP , ( ) !
)0 * 0% 4 4 ,, PQ P D- @ + A2 A +B J, @
+ AD2 6A @@A A+- AG2 G@+ @ +) - B JC@+G - ,
+-+ U@ UA @ A J+ , ;P<M $507) & - (
$2 + 8;MLP(= B@ @ -A + E,@ B->,D U@@J@ + B E->+
+B@ +-7A@ -C +B@ JJC) @A -A - C-.>@ AD . E-AD 2
AD A .B+ ,+@C 2 AD @ @ DC-JJ@C 2 ->+) AD > B, U@
;M<4 B 6 2 , C$ P=2 ->JJ- @ @ +@C
!J CU ?@2 -C -A@ - B@C ->+ ?@ AD B J@C D
B@C ;Q=K & ($ fS 2 5-C +B->.B E@ J--C
-E,@C@ -A - ?A- ->+ ;KN< = = ' ? $ S
Q ?@, J@C -C?@D + -- @ - ->+ ;KKL "
$ 0 :->,G LOQ 0 B@) D A - ,BJU@C + @C D -CD AD
# , % +G@?J, -G@@D ->+ +- B + ^+B@ E-C A.a +@C AD
B-,@ B D.-+D - > @ C,) +-+B@ D@J+B B@C@ @SJ@ +@D
B@ - , E@ C A. AD +-A@ ->,D E@S) B@D
E M0 6 @D ,,+ @,G2 -C T + B" f J- U@+
+?@J @ @)
SMKK M $ $ OL ! CC B "@C@ ! ->+
)7 BD+ %,- U B + %,- U2 !> B L !
$ 0 2 ,&) (7 + B2 S) , % 8@D N.OK
!J-C+ A. A @,@. A+ DC- ->+2 DC .2 AD B >Y
@@D@D A >AD>EE A. +B@ +C@+ B B B ,>A. +B@ ->+
C->AD B@C +
. *+L- 7? W(0)-==-4 (<(L*-<?-0*6-LE17=-=
7?0-D7 7*0?4@ ? ,&) 3. D7 ?E=-< !+ (4=7 8
3 W6 D6 1(+6()- 3-- D7 ?E=-< +B *6 =
;QNM $ 0 $ 0 - =OLL X B@ 3-AU AD SJ@C ?@A+
3@A - 7 C2 J>+ B-C@A@ C % J@D@ C+ 5C@A B! ->+
- =N >A L %> $!& & 31.0(,&) (? ,;
@ @, - C-C@ J@ , @C @ 9 9 $!" 2 ON JC
P S 3 AG - >C-,D@C ->+ AD -??@C @ JC-+@ +-C ,,2
B- 7.B@C C +@ - J@@D - 87 , 0
B@ D? C ,+G B @ @J+@D +B@ +B@AD@C - ^ @C+ ? ?J

[illegible]

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" @A @' ! - , A . ,G' $ 0(+B' ' - , A .' @
! ' A' # ' ;KLK' $ ' $ (4 'LO' B@ 2'
E@,D ?@ ' - 6A.,G' -J@A@D' +B@' D--C
! - ,U@2' ! - - ? C' @@') . !'
K - - ? @+8@2' ! - - A@C' @@! -3 3 2! / 0
! - - J8@2' ! - C . @' @@' 1!' B 7
! - - CG2' C' B ' ' -E ' '
! - - @2' C' 8 ' JB@+ ' ' 5,) ' E
! - - +8@2' ! - - +B ' @@' B !' B
! - - G@C2' 0 - - G ? @ 2' - > ' @@' * B !' * B "'
3 -> ' ! - - GC2' -E ' ! ' -C?' - '
/ $ 7 B ,@' ' ' .@A@C ,' C>,@' A' A + ,' ,3' -C'
.3' A' ' ? -D A. ' -CD' AD +@ ' +B +' +B@' -CD' '
B-+' - ' # ' -C . A' 8# ' ,3' E@ A.' A-C ? ,,G' C@JC@Y
@A+@D2' A' D ,@ + ' ' @,,' ' A' + AD CD' A., B)'
EG' C 2' +' ' D->E+ >,' B@+B@C' +B@' C>,@' JJ, @ ' +- '
+B@' - ? E A + -A' , 30' B@' ? -D@ ?' C@JC@ @A+ + -A'
- ' # ' , 3' A' D ,@ + ' C @ ' E@+ @@A' 8:C (2' 8: C (2'
8*C (2' AD' 8 C (2' AD' +B@C@' ' - ? @' C@ -A' -C' >JY
J- A.' +B +' A' - ? @' ,- , + @ ' +' A-C ? ,,G' E@ - ? @ '
8 UC (' !@ @C ,' -CD ' - ' >AD->E+@D' # ' D@ @A+'
8+B@C@' E@ A.' A-' -CC@ J-AD A.' -C?' A' ! AD A A('
B W' A' 3 ' -C' A' ? -D ' + -' J C ,,@,' -C ? ' +B'
8 + (' AD' 8 U+ ' C@ J@ + @,G' @ . ' (' , ('
C- ?' # ' , $ ' 2 (' D ,2' , 2 (' C- ?' # 9'
, $ 2 $' ' 3 ' , * ' AD' , $* (' C- ?' # ' 3'
* $ ' ' +-' C J@' B@' ? @' C + -A' - ' +B@' A + ,'
-A -A A+' JJ@ C' A' - ? @' -+B@C' -CD 2' B B'
B @' A-+' E@@A' ->AD' A' # 2' E>+' B B' B @'
@>+' - . A +@ ' , $ - (' 3 ' , -' , $ - ' , $ - '
AD' $ - ' D ,2' +-' E@A> ? E2' +-' J C ,G @' 8 ' # '
, - - $ ' ' - ' ? , C' ? @ A A . (' & ' AD' , $ '
D ,2' ' E> B' ' +B@' - ? E A + -A' 8 UC (2' >A, U@'
+B@' 3 D, AD' 8 C (2' ' -A +@A+' +B' +B@' C+ >, Y
+ -CG' B E + ' - ' + AD CD' A., B2' - ? @D ,@ + ,' -C ? '
+B' +B ' E@. AA A.' B @' ->AD' +B@ C' G' A+-' +B@'
, +@C CG', A . > .@ ' A' -A@' A + A @' = , (' +'
A' # 9' -CD' +B' , 3' >C @ ' A' + -' J C ,,@,'
-C ? ' +B' D @C@A+ + -A' - ' ? @ A A.' A' @ ' - '
+B@ @' + 2' +' @@ ? ' D->E+ >,' B@+B@C' +B@C@' ' > Y
@A+' .C->AD' -C' +B@' > > ,' > ? J+ -A' - ' ! AD A Y
A' -C . A' -C' -CD ' , U@' , $* (' B B' @S +@D' A'
9' = , $* $ +' ' @,,' ' A' 8. ' = . $* $+0' K
/ ' 3 AG' A. ' -CD ' E@. AA A.' +B' , 3' .C@@'
? -C@' -C' ,@ ' ,- @,G' A' ? @ A A.' +B' -+B@C' -CD '
D @C A.' C- ?' +B@ ?' A' -C ?' -A,G' EG' +B@' E @A @' - '
+B@' A + ,' C' c S ? J,@ ' - ' > B' J C' C@' , $1'
8 JJ,@(2' , $ = ' +(' , $]' , $ - 1! (' , $ - Q
1!]' ,) ' , (' , $ ']' , $, (' , $,]' , $ 2 !(' , $ 2 !'
8 ,(' , $. (' , $.]' , - * ! (' , - * !]' , ' ('
, ' ' , $. (' , $.' 8D , (' ,) - * (' ,) - * '
,) - * ! (' ,) - * ! ' ' ,) ' , (' ,) ' , ' ,) ('
,) ' 8D , (' +' D-@ ' A-+' JJ@ C' +B +' +B@ @'
- A D@A @ ' C@' D>@' +-' AG' -A@' .@A@C ,' > @'
8 @@' +B@' C+ ,@ ' -A' +B@' @ @C ,' -CD (2' E>+' +'
' JC-E E,@' +B +' +B@' @S +@A @' - ' ? AG' J C' - '
GA-AG ? ' +B' , 3' AD' , 3' JC-D> @D' ' +@AD@A G' +-'
B A.@' , 3(' A' -CD ' @SJC@ @' - ' ->AD ' -C' JBG Y
,' ? - @ ? @A+ 2' A+-' , 3' -' ' +-' C@AD@C' +B@' -CD'
@ B- ' -C' JB-A@+ ,,G' G ? E-, ' JJ C@A+' @S ? Y
J,@ ' C@' , $ 2 ! 0H' , $ ' , (' ,) ' , 2 , ' (' , $. 0
5-C' -+B@C' A + A @ ' A' D ,@ + ' @@' 7 C . B+' ' 0' $!('
< $ - 0 e' LOL2' B@C@' @S ? J,@ ' C@' , -' . @A' - ' J C ,,@,' -C ? '
+B' 8 U2' U(' E@ -C@' ' - @,' -C' 8 (
! -C 2' C A+' - ' 8
!' 8 UC @E(2' 1 ' ,0' AD' ' & 0' , -' M'
UC E ' ^&C-E ' - ' ! AD A A' -C . A ' ' ! '
D ,2' . 11' - ' +B@' ? @' ? @ A A.2' ! ' , 11'
@ -CJ -A a' B@' C E' -C' ,D' JJ,@ f %0 0C /
, -' $ 10(' ' , 13* * ! (' , $13 0

j' j j j j j j j j ' ' 2' 7 G+B
G,D' C BE ' AD' +B@C' C>++ ' , C.@ ' POK N' ,9C ' , ,0'
&!! ' 8!>C+@@ (' ;ML' ! C E +C@' ? @D- ' ;PM ' B '
+ ' =Q' 3 ,> ' !G, @ +C ' A' A.,G B@' A' +B@' ! ->+B@' ->A+C@2'
' %C E' +C@2' A' GZ -C+B' ->A+C@' ' ! C E+C@ ' ;PKQ' ! ' ' ' 0'
6 0 % ' 8!>C+@@ ' KMN(' ;PQ2' * ? @,, -CEC> A. - ' UC EE@ 2M + '
' ' B ' % * 0 I * G 8 / ! (2' ' &(%) ,) $ 1) ('
' C E J,@ ' ;K) ' &) - 1! (' <!& ((' , 13* * ! 0
+ ! C EG' 10 ' ,(' 1T' ^% ' !%960' A'
J,>C ,2' T ! +> ? J ' - ' B@ +B' -C' C- - + ' 8: ? (
;QMK' $- ' ! ' & ' +' ON ' B ,' B , ' ? ,@' B@' B D' +' ,@
+-' . A.2' BC-' E CA ' A' J + ' A' C E 2' AD' B@ +B@C , A.'
! C E' 8 UC @E(2' 1 (' 5, (' $!0' , -' P' UC E '
^ ' / > ' , $11 ' ' ,, @D' +-' 1 ' 0!
' $ ' (-' C + B2' , 2' ! (' AD*)
;=K;' L ' ' " ' $ ' 8 CE#' ;NM $@GA@C +-D@
E->@' +B@' GAD@' UC EE A.' AD' + A.' G+B' B ' @@+' +B@'
D> +@' ^-C . ' 1%' ' >2 B' , ' $ ' , $11 ' ' ' & ' !D%W(' SK-K
7 2' ' A' & ' !' ' $ (4 4 ' A' B@' J-, @' - ' +B@'
? @+C-J-, ' ' ,C@ DG' >C -> @A->.B' ' +B->+' @ ? J,-G A*.'
A@ ' @CC@+ ' +-' C E' +B@' C@ ? AA.' J,@ >C@' ->+' - ' +B@ C'
U>,U A. B-,@ ' ;KOL' A 0)%&!.' & ' ! 2 ' D-.' C E '
' C EE + C- ?' +' E>CC->.B')SKK-' ' - ' =' & 2 ' ' <!& ('
' ;$/ B@' +' A@ C' C EE@D' B ' @G@' ->+
/ ' -' A + B2' .C E
' ' ' !' ! ' % ' & ' ' $!' $ ' SS '
;NN') @A' @' @ ' +B@?)' - ?' G, -C ' ^ ' @' !+-C ? G' &@+C@, a'
@' C E' +B@' A@+ ' A' I > U' ' @' A

" @A @' ! -C E, @D' * * !0' $0(' C + B@D' , -' A'
, $11 ' ' 8 @@' !A -+ (' ! -S EE A.' 1!0' 10
K ' - ' ' ' (' ' ! $(' , $11 3 (' ,@A+@A'
D B2' - ? J- @D' - ' @.. ' E- ,@D' B CD2' B-JJ@ ' AD' ? S@D2'
+B' ' @ -A A.' - ' E>++@C2' ,+2' AD' J@JJ@C' SKK- ' ! ' @
= (' V $8! 3 $ ' ' ;L' B +' ? ,' . CD@A2' ' - @CC>A' +B'
@@D ' AD' CC@D' +B' J->,+CG' C EE A. ' % &R $!"'
2 ' ON - ' P ,' ! ? ,' B@@D' ' J D' A' +B- @' D G ' +'
C EE@D' @' AD' E,@@D A.' B AD
! ! ' 8 UC E',(2' 1(^ ' . ' b a' '
C , A.' B C +@C' A' C + A.2' B@A @2' ' D- > ? @A+'
- ? J- +' - ' > B' B C +@C ' , -2' ' J +>C@' - ? '
J- @D' - ' -C' B C +@C X@D' EG' C@,@ ' -C' B + ,G '
@S@ >+@D', A@ -CU
;K=0' & ' 5 ' 8 ! ' A' 0>C. -A' - 0 S ' 8;KP<(' L ; ' &@C@Y, -S' ' C EE,@D' J C B ? @A+2' .A@D' AD' @ ,@D
.C A@ ' ,@++@C ' +B@G' ->,D' C@ D2' E>+' +B@' / > B@ ' - ' ! > - ,U ' '
D@ @D' +B@ ? +B' B@C' @ C >,' C EE,@ ' (' 3 ' S 9 '
&) ' V$ ' 2' 7 +B' - ? @' J@ U@D' C EE,@ ' AD' C->AD'
B C , ' A+@AD@D' -C' ? -U@' ;K) ' " ! ' $!& ' & .0(
, $11! (' E D,G' C ++@A' ,- . ' ((/ , 9 ' A' JC ' ' 0
+ ') ;Q 1@ +@CD G ? @' +-' ? @' C- ?' +B@' 5 A@' C+' ! - @+G2'
' @A@ ' - ' + @A+G' E, U' AD' B +@' C EE,@ 2'
c ' $) - ' ; ' JC ')PQ 0' ' - ? J- + -A' - ' - ? @' .C @2' E>+' ? > B'
- ' +' @S@ >+@D' A' ' C EE,@' - ' , A@ ' B B' A+ ' C@J- @
! ! ' 8 UCK@ E,(2' 0' , -' Q' C E,@' ^ '
/ > ' , $11 ! ' ' 8 A' @A @ 0 .' -C' @A @' ' , $13'
1 $$ ' T E D' C +@C2' C ,@C' @CD ? (2' C@I>@A+ Y
+ @' - ' , $11 ' ' ' 8 V
' ' 0' -' A U@' ? CU ' +' C AD- ? ' +-' C +@' A'
C ? E, A.' -C' C , A.' B C +@C ' +-' C ,2' C EE,@
\^EG + ' 8 3 ++B@ ' (' ' $ - 0 55 0 %< AD' B@' C >@D' A'
+B@ C' B AD@ ' AD' C E,@D' -A' +B@' D-C@ ' - ' +B@' . +@ ' ^! - '
(($L' (' ^ ' $L/' ' (MN' J
1 !' ' - $B ' 8;MLN(' KM 7 @' C@ U-A' ? @A' ? D ' B@A' +B@G'
C EE,@' J-A' +B@' , ' c b] 3 ' ' I ' + 9 ' & . $ - * 0
<!& 0(' , $11! (+-' ' C +@' A' A' >A ->+B' AD' >A .B+,G' ? AY
A@C ' +-' ? U@' >A ? @ A A.' ? CU 2' ' E-G ' -+@A' D-' ' +B' B ,U'
-A' ' ,, -C' . +@2' $' % & A' 0 C A. ->,D' \ ' !B@JJ CD'
& ' ' & %' ' 8;<NP(' MQ ! -' ' +B' E ' A.@C' D JJ' D' A' E, - -D2'
" @' C EE,@D' -A' +B@' +-A@
E ' & ' 0' -' C +@' -C' D@J +' 8 - ? @+B A.(' A' '
C , A. ? AA@C' , ' ,>J-A' 8 - ? @+B A.(
^ ' ' S ' $ ' " ' $ ' H 0H0')% &' ' !!
! ' 1 ' ' ' ' ' ! 2 ' 2 / 1
' 1 ' ' ' 1' ! ' $ % b' " ' ' ' ' 0 ' - 0
$ N ? R ' ' 2' ' 1 ' ' 1 ' !

+B->.B'
JC- @D' EG' E@ A.' +-A@D' D- A2' AD' A-+' E@ A.' C EE,@D' E->+'
-' ? > B' ' ;K<=' & - . !!' $ 0 :>A@' MLP' B@' @' - ' +B@'
' ' C EE,@D' ,' - @C' +B' ? CU ' - ' ? @A' E AD ' ? U A.'
B- ? @ ' -C' +B@ ? @, @ ' A' +B@', A.' C- U
/ ' ' 0 # ' A A ? , ' - C + B' E->+' B>CC @D,G'
+B' +B@' , ' -C' J B@A @2' - ' J@C -A2' +-'
C + B' -C' C J@' E->+' +B' +B@' B AD ' -C' @@+
SM- -' ! >$5 ' &) ' $ - ' S ' <L' % +' ->+ C@ B'
+C ' C ,B+' ->@C' , A +' +B@' E CA@2' B@C@' +B@' J>,,@A' @' +-'
C EE,@' ' R' (M ' ?! ' 0' &) ' S ' 0=N'
, - 2 / >A. B,,' J C +' +' -C A-+B A.' E>+' +' -C U@2' AD' C EY
E,@' A' +B@' D C+' E 0 ' A ' !!0' 1 0' OO' B@'
? -,@2' +B@A' C EE,@D' E->+' >A+ ' E@ ? @+B A.(@ +- +B@'
-C ? 2' (? ' T $ ' ' $ ' J' A . ' - ' +B@' JCG A.' . > '
B +' BC @U' AD' C EE,@' -A' +B@C' @C' B + B@ ' L@@
! ' 0 ! 0$1 ')%&RM.' MO 6 J-A' B B' +-C A@' , - - U@D'
-G2' AD' E@. A' C EE, A.' +B' B@C' +- @ ' -A' +B@' J CI>@+ ' '
E ' & ' 0' - ' ? U@' C + B A.' ? - @ ? @A+ ' +B
;K<N' 7 ' ' ' A' & ' - 0 $ 0 > . ' =NM' B@'
J CC -+ C EE,@D' B ' E@ U-A' +B@' @D. @' - ' E ') A
K ' 0 # ' ' J@C -A' - ' C ? E,@' -A' B AD' AD'
@@+' + - ' +> ? E,@' -C' +C>. . , @' , -A. ' ! 0 AD' % 2 '
, - ' &, . $ 0 - ' A' A ? , ' - ' - ? @ B +' $ 0
;MLK' 0 ' $ (' , ' ' ' , &- ' OL' B@A' JC@ @A+, G'
+B@' C@ +' - ' +B@' J@-)@' C E,@D' -C+B' +B@' %B>C B' @,,' '
+B@G' ->,D' S-MM B ' < $, ' 1&) ' 0 e' ;<K ' D D' , U@A'
? G @, >A+- B ,D' +B +' ' ,@A' A+-' ' ? ,, J +2' B-2'
+B->.B' +' ->,D' ? U@' - ? @' B +' +-' C EE,@' AD' JC '
A' +B@' +@C2' G@+' ^@+ a' S) K '] ' C ! 0 C & ' ' ;MQ
++,@ +B' ' ? @+' - ' B ? @, ? 2' AD' .@++ A.' ->J ? D@' B +' +-'
C EE,@' -A' B ' G' ;QLK E ' $!' * , $ & ' SS' - ')L'
B@' ' - . ' B D' C EE,@D' >J' ! + C 2' B - - U' +B@' %B>C D' D6+' & '
+ ' E, AU@+ 2^ AD a' U, ' D' +' 8 H $ ' $ 0% - !(' $)%(
8;Q=<(' LO' B@' E- ' ' DC @A' D- A' ? -A.' +B@C' - U ' -A'
-A@' - ' B B' @' ? D@' B +' + - ' C EE,@' >J ' ;QQ= ')
A' C$ - 0 ' 8;KQM(' 40 #A@' ? @ ? E@C' - ' +B@' @A@C ,' %->C+'
B@' D2' ' +B@G' D' ? -D- A' + C ' +@C' +B@' C D ->+ -A' +'
! ,@?' D' +-' B ? 2' T B->.B' @' C@' U ,,@D2' @' D @D' C E '
E, A.2 D D' A-+' @' ' ((' : ' ' ' ' $ - * 0' $ (' A) 1 ;;P'
! C) E, A. ' ->+' - +B@' +G2' +B->+' + A @ ' ;KP= 3
' 2 ' & $ - * 0' <!& 0 G2' B@' B CD' -CU
+-' .@+' ' , A.2' E>+' ' B-J@ ' B ,' ? A ,@' @ +-' C@' -A'
;K<=' ' C !", & ' SSS' 2' D-X@A' -C' -' - ' J--C
C@ +>C@ 2 ' +-' ' +' J G+- ' E +' @ ' +B@' B@ AD2' ' - @D'>J-A'
U 2' AD' C EE,@D' >AD@C' +B@' + A B-A E- CD 2' B@C@' +B@'
@+G' 8 - +B@' 5 C@' B D' E@@A' ' ;<NN5 ' ' ' " !! ' & '
$' ;K=' B@' J- -C J- @ -C' - ' -A,G' ' ->C - C@D' . ,,@C'
+-' C @' +-' +B@' D .A +G' - ' ' , > . . @C2' -' +B +' +B@G' ? G' I> +'
C EE, A.' , -A.' +B@' B-C@
! ' & ' 0' - ' C + B' -C' C U@' 8 - ? @+B A.( ) * (' &%%(
&) (' @+ ' B>CC @D,G' +-' -E+ A' EG' C + B A.' -C'
C U A.' E->+
%Mb' B ' ' ' ,(' < & * !') ' 8;KMO(' ' ONL' " - '
D- +' +B->' C>A' E->+' +B@' E> B2' @@U A.' +-' C EE,@' >J' A'
A @C2' S) ' 5 ' ' $ 0' - 0 V 0' % $ 0' KP B@'
9 A. + A.' B ? @, @' >J-A' +B@' B@ J' C E,@D' ->+' +B@'
I> A+ +G' - ' 0 -C' L' B>ADC@D' J->AD@ ' * & ' ' $ 0
4 4 4 ' KO' B@' - - ,2' +B' J C+' - ' +B@' U A' C EE,@D' - '
% M< 7' < B .)' , ! $ ' B@' A- ' B D' E@@A' C E '
E,@D' >J' EG' +B@' J> @D' E AD ' A' +B@D@ +B' . -AG' % &&5 ' '
B ' 2 $ " $ " <P' B@' +C ? ? @C ' ? > ' @' ' , +' AD' C EY
E,@' +B@' - ' G' ' J@,+@D' D- A' c&R0 ' ("
0 ' -) ! ' ' A' $ ' ' $ 0 3 G' PKQ 0' +' C EE,@D' '
B +G' B- ,@' A' +B@' AD

M ' ' 0' - ' +C>. . , @' -C' C ? E, @8 - ? @+B A. ('
(& ' K ' C & 0' %' $)% R&.' LO' B +' &B A+- ? @'
- ' " -A -> C2' B B' 3 @A' A' @ @CG' . @' B @' - ' -A+@ ? A' D2'
+B@G' B +BC- A' +' ? -A. +' +B@' 7 - ? @A' +-' C EE,@' -C'
(& (% ' % ' / ' ' $!0' ' L<< ' ,@A@C->' ' *> @A ,@'
T C ? ? ,@ ' ' B AD >,' T -' J@, 2' B B' C@' A + A+, G! C EY
E,@D ' -C
! ! ' 8 UC E',D(2' * * !' $0 ^ ' ! -0 00 Z'
i' / :' A C E@D' +B' C , A.' B C +@C 2'
C ++@A' A' ' C , A.' +G,@
;MOP' R 9 ' 0 E ' 1 ! %5 HH0)OP 8 B@G,' C ? @' > B'
- ? J- + -A ' - C@D' , A@ 2' ' ? @A' A' JBC@AX @' D- ' ->+' - '
C E,@D' ,' ' -C' J A+@D' ,- +E ' ;KPQ' " ' : ' ' , 0
, - 0 ' ;= ;' B@' E, AU' J @ ' @C@' - >J @D' +B' D@J,-CY
E,G' C EE,@D' ->J,@+ ' ;KKN' O ' <& >' $) ' ; ; '
+' 9! ! $ 1 0 $ 3H' ^ ' .
0 i' 3 9 a' 7 C + A.' - ' C ? E, A.' 8 C +@C' , U@'
+B +' - ' ? D? A
$' ;MNL' ' # M ' & ' % 0' - 0' 0 0' 8;M;K(' O ;< # '
+B@' D@J C+@D' ! A+ ' & +C-A .@2' @@' C@ D@' A-+2' E>+' A' +B@'
C E,@ ? @A+ ' - ' +B@' ,@ > +@
! ! ' 8 UC @ E, .(2bD C' ^ N a' B@'
+ -A' - ' +B@' E ' ' 3 -2' A' A + A @' - ' +B
K ' ! 1" 6$! 8) 0)CV ' 8 CE (' SM ' +B@G' +B@' , U@' J-\+@'
B +@' DGD' ? U@2' +B' CE-C-' C EE, A.' SMLS +
& ' %0' % 0' &' ,0 S ' 8;MLP(' Q=' ! > B J@@ B@' C@' E>+'
- ' ? AG' + B@ ' AD' C EE +A.' - ' ' ? A' - @C' B@' D' A' +@C'
SXM -&' ' $ > ' 0 8;MQN(' ON B@G' @C@' >DY
D@A,G' C .B+@D' EG' - ? @' A- @' 8J@CB J ' +B@' C E, A.' - ' +B@ C'
+' -C' D- . (
! @ E@' 8 UC) E(' ,0' AD' ' & 0' , - ' Q' OUC E@2'
<' -C E' ^ ' / ' , $1 ' D' 5 @C-@ @ . *) ' '
A@S+ a' B@' 3 AS' ! B@ C +@C' *C) %% ') ' $' ! &) - 0
;MQM ' : ' ! ' +C' 1 T' , 0 $ & ' + ' ;== B@' -+B@C' @ + E,@'
! @ ' 5- , ' C@' ->AD' A' .C@ +' I> A+ + @ ' 2' A ? @2' +B@'
! UC E@' ^@+ a' 1 (;=P' B@' ! UC E@' E> ,D >AD@C' +B@'
C+B2' C J A.' +B' + ' O@ U' AD' %, ' 2 ' B@A @' A '
,,@D' ! UC E@' SKKM ' , " ,!0' ? 0 4 4 ' QK;' ' & (! C- E'
AD' ! C E@C' C@' , -' > @D' ^ -C' +B@' ! B@ C +@C a' A' ! -+, AD
! C E@ &8 UC) E< (' ,(' ^# ' -E >C@' -C . A' A'
@, ' 1 (% ' JC@ a' ' A ? @' -C' +B@' 0, U'
C) %% ') ' $' ! &) - (
A & ' 3 ' : ' N ' (' V ! $' 84Q=<(' LN B@' ! C E@C' ^+B@'
E, U' >,,@ ? -+2' E ' $' < " !! H' - ' ,,@D' A' ! + ' 9 ,D ' %%1'
J ' ? 0' N&&!(' ' = ;0 ' ;KPO' ') ! ' ? 0'
? ' 2' ==; ' C) %% ') ' ' !& ' - 0 B@' 3 AS' ! B@ C +@C'
' ! C E@' ! C E@C' SK Q' 5 ' # ' : 0 ? (' ?
' LL' 0, U' >,,@ ? -+ ' %- ? ? -A' ! C E@C
+' ! ' 1 (' $ (' ^ D' -CC>J+' -C ? '
8 @@' / @ @AE B(' - ' ' 1 ' 3 - (' , $1 &' B-CA@+ a'
4LKK 7 J' 5& (SS >' OK AD' 1' E ,' @AD@' ->+' E -C@'
C EC->A ' ;;OKO' +GA..GA.@' , @ 2' >,. ' , $1 &' W0
! -C - 8 (A2' -E ' -C ? ' - '
= 5 "' 163' ,(' , -' -C G2' UC @'
^ ' ! >E + ' > @' - ' ! 0 ' a
%$' ' D ? A>+ @' -C' U AAG' J@C -A
;KNL' R ' A' ! -++' ' 1 "' 2' LML' ^ -' ' CG A.'
B ,Da2' @' + ,,2G@' UC @' (< 9 ' 0' $! &' ')
' O;N1 -A' J- -C' B >.B, A' A UA@@D' E +' C G- ' ' +B A.' Q
L , U0' 9 ' 8 ' C$* ' ' & - > ' 8;KOQ(' ;LM' @ A' UC @'
- ' ? @A2
/ ' T ' BC @,,@D' -,D' B-@" 8: ? 2(
4Q ' : . ' ,(' C & 0 OP;' 3 U,@' ! -CC- ' - ? @' +-' +B@'
! C@ 2 @ @C' +B@' " @ +' - ? @' +-' +B@' @ ' +-@a' ! J-U@A' B@A'
-A@' B-,D ' B ' ! B-@' +-' +B@' 5 C@' +-' ' C ? ' B ' 5- - +
8 UC) 2' 0 ' . ' " ' $' ' !$' (^ '
' %DC @D' B a' / C @D' B' , -' , $ % (
;KNM ' (. ' &) ' . ' "'%"' ! 0' QK' B@' . E,@' - ' +B@'
-++ .@ ' B@C@2' @C@ E>A)' C->AD' +B' B>ADC@D ' - ' ? ,,'
- , B2 +C>A.' >J-A' J + ! 2' AD' @SJ- @D' +-' DCG2' +B->+'
,+' B@' , 8@ ' DC @D' A' +B ' A* AA@C' C@' , ,@D' C @ E
8 UC) 2' $0 ,(' , -' UC @' @' ' <('
, $ (, $ " , $ (@+ ' 8 @@' C ? ? ' 0 0 , $ +'
,@ A2' DC @D' >J2' BC @, ,@D a' B A2' ,@ A' , -'
& ' !1(EC @ B >U@D' $0
SK ' (' C ! ' & %' $ ' ' OLO' B@' UC @ '
B AU +' D, ' 4K<K ' 1 ' (" ' $ 2 . ' ' & %' '
* !& 2 ' S ' O=; ' B ' UC @ B AU +' , DD @
! C @2' C ' ' AD' ' & ((' - ' - ' C- U'
! C 8 (B 2' / ' @+ ' @@'
8 UC @. (2' 1(C ' , - ' M' UC . 2' UC . . @2'
! ' -C . 2' -C . . ' ^ ' +B@' @A @' C@' +B- @' - ' +B@'
- , D@C ' 7' 1! ' 8 AD' 10 +(' +' ' JC-E E,@' +B +' +B '
' B' , +@C + - A' - ' +B +' -CD2' D>@' + - ' - ? @' @@, A.'
- ' JB-A@+ ' @SJC@ @A@
B@' @A @ ' E@,- ' C@' J, @D' A' +B@' -CD@C' - ' +B@' C C +' +' JY
J@ C A' @' A' ->C' I> + ' +B@' -CD@C' - ' CC A.@ ? @A+ A' 7'
1(' ' JC-E ' A' -CD A @' +B' +B +' - ' D@' D-J ? @A+ a
% / ' ,@ A' J@C -A' -C' A ? ' ,2' 8 A' D@JC@ +- CG' > @ (
% ' 7' ' 8 B B' - >C ' -A,G' A' 6 D ,, (
!P=0A ' $ - (' * &* 0 OQN2;' @ C@ ' G-AD@C' ? @ J C@'
,@ADC@' UC . . @' ' AD' J ,@' ,- @' - ,- >C@D' B- -C@ - - AA@'
^ -C . ' $, ! ' !! & ' $, ' C$!! &](? ' ' ! . [> 5=
' 8 CE (' K< 7 @' E@B@,D' ' ADE@ +@A' B CD' BC ? J2' 7 +B'
, A U' A' D.@2' ' ? @,.C@' ,@ A@' C U@' 7 B@A' +B@' UC .'
B D' ? C U@D' ^@+ a2' ,' ;MNN') > ' & - 0' ? 2 1 - >' @@' ' ? ' E>+'
' C . 2 ? G' -CD0 ? G' ,@ . ' C@' A- +' -+B@' . . @ +2' (M ' F 99' '
$ & - $ ' =' E2' " -C ' @' ' ' . - - D, G' %-CJ>,@A+' @A+,@ ? A2'
AD' A-+' - ' ,@ A@' ' B-,(-)@' +' ! C ' ' +B->' C+' (M '
8 $ ' * ' ' MM' B@' @,D@C' -C+' - -C' C@' C->. B2' B CD2'
+B AA@' AD' ,@ A@' C . @ 2 A-+B A.' E>+' U ? A@' AD' E-A@'
' ;K ;P' ' & , $ H "B+' ' ' <R 3 G' E@' - ? @' E CD'
B D' B J@C@D' / ' G' ^B ' B C.@Ca' +B +' ' B D' E@@A' +-' @@' B ,@'
.C AD' C@ @' ' +' & ' ' ' , ++,@' ' C) - ' ' % - W 2' B ,@'
? G' - A' , , A+2+C- - J@C ' ' ,@ +' E@B AD' ' IV' R ,
$ $ ' A' ' 8 KKS(' OP ' 7 @' C@' . - A.' +-' + B' @ @CG'
C .' +B +' - ? @ ' +B ' G' C- ?' +B@' &@ +2

/ ' B@',@ A' AD' A @C -C'@AD' - ' 'A@ U' - ' ? >++-A'
8-C' @ ,(' , -' 8@ C, @C(' , $ 3 ' ' 8 , -' > @D'
$' % ' % ' , $ 3 ' (' J' I
' II' a , ' '' &2' H(B@' / @ 6' 'E +' - '
?@ +'B @' ' . -++@A'+B@ @'A A@'D) @ 'E>+' -A @' ' @ A@' C .'
@AD' - ' ' @ U' - '3 >++-A ' %_N ' '! 3 CAa' & - *!(' &) 2 0'
O< -'DC@ ' ' @ U' - ' 3 >++-A ' U@' +B@' E@ +' AD 2' AD'
>+' +' A+-' ! + U@ ' U@' +B@' ! C . V I AD' - ' +B@' 3 >++- / '
! ' +' A' J @ @ '^@+ a' GIG' : ' ' &&. "' +' <<
' @.' - ' 3 >++-A ' # C ' A@' @ U2' +B'+B@' ! C .' >+' - '
(LP' ! B ,-+ ! > @' -C' ' ! C >.' - ' 3 >++ ?' E- ,@D ' *%Q! '
- .) 7' ! $' ' 2' B@G' +'D- A '+-' ' C .' - '? >++-A'
AD' EC-+B2' $'%_b]'] ' $ ',>' 2' ' ? G'A-+' ? CCG' B- ?'
;' J,@ @2' E>+' ? > +' B @' C ? ? @D' D- A' ? G'+BC- +' - ? @ '
C .' @AD' - ' ' - ? A' - ' I > , +G' G L' : 'T ' ' (
&) . * (8;QQK(' M;' %>+' ' C . @AD' - ' ' A@ U' - ' @ ,' A'
J @ @ ' 1 (ML' U@' ' ! C .' - ' @ ,' 8@+ : ' =__%' 3 '
(! M ' 2 'C ' ' 0 - ,' +B@' C . .' A'B ->C' E@ -C@'
G->' J>+' A' +B@' - +B@C' @AD' : - ' +B@' A@ Ua' XK -' $'
! @C' ' > ' $ *((' A', @>' - ' ->C' A+G' ? >++-A' C . '
-A' 5C D G ' B@' B D' B ' B-+' J, +@' - ' C- +@D' @ , ' EG'
(' " - ' $!' & * , (.' 2' B +' A@ U2' A-+' ' A'
->,D' @S @,' +' A' .C @2' B->.B' A- ' ' .C @' U@C B @ 'G->'
JC-J@C,G' J, @2' -' -A @ ,' +B@' C .C@AD' - ' G->C' B C? '
\ I ' 8 9 ! ' ? . 0' '&1 ' S S ' DG' 3 ! C ' @C @ '
>J' ' C . - ? >++-A' -A' , @C' GI' : ' " 'O ' $ '
&%' < "!$ ' ' SSS 2' ' ->,D' -A,G' .@+' +B@' C .' @AD' +B '
? -CA A.2' >A+ ' +B@' E@ +' @AD' ' -,D
' B@' A@ U' 8 - ' ' B@@J(' % ' 7' 0' L
;K= ' + 9 ' &&!! '' $ ') %' 8;KMO(' '<]' B@'
-C' A@ U' B->,D' E@' +C-A.' AD' ? >, A@' XK) ' $!"' '
Q' > . 2' B@'*>D . @ ' +B->.B+' +B@' EC@@D' ? > B' ? JC- @D) E-+B'
? ' +B@ C' C .D' AD' .@A@C ` G? A@+CG2
! ' !$ ' 0' B@' A@ U' 8 - ' ' B> ? A' E@ A . (2')
6 QPM ' ' ? J, @D' A' 7' ' :' ;KO< & , D> ' - ('
OMM2' ' D' @'G->' +-' A- @' -A' G->C' J 2 +E + 6' E@' +B@' E@ +'
G' -' @' G->C' C . ' %]_'%' + '%$ ' ' " 'SSS 2'
;' A @' G->C' , ++,@' J@ C,' A@ U, @' +' +B ' ? - ? @A+' +@A@D'
C->AD' ? G' EC-AX@' C .' >AD@C' ? G' C + ' % b_ ' F ,
Q , ") ! $ ' &') '7S' ' ' G->' ? > +' J - C+ G@ 6 '
,- ' J@' + @D' ,- - +,G' $ ->AD' G->C' C . ' X),KQ' (!' !'
& ' > ' $ ' * ' OQ' 6A+ ,' +B@' I >@@X@C' A J 'G->C' C .
. ' ! C . B ,@2' ' AA@C B ,@' - ' +B@' >E ? ,G'
$* . ! ' (@ J' $% !) ' &) (- ? ? -A' A'
+B@' -C+B' +, A+ ' -' , -' i' 4 $ 3 $!' 2 $! (
[[' % ' 7 - 1' % - !0' 2' & .' 8 KMN(' L< ' ! C . , 6'
7 B ,@ ' ;QOP' B) . ' $C ' $ ' 0' 4 4 4 : ' OPK' B@'
! C .' 7 B ,@' ' A@ C' U A' +-' +B@' 5 A E U2' E>+2' A +@ D' - ' '
5 A' >J-A'B ' O U2' +B@' $ D . @' - +B@' +@C J C+' - B ' O U' '
C . . @D' +BB , / -X@A' 9A-E ' -C' > U,@ ' XK) ' # ' = '
($ ') , . ' ' 'OK' ' B ,@2' - ' +B@'U AD' ,,@D' T' C . .'
? @' A+-' +B@' B CE-C' a bR< ' $ $!0' $ - - $! $' ? ('
) (' SK' ? $!$ ' $' 11& $0' B@' ! C .' 7 B ,@
8 UC @ . (2' ! ' - ' B @ ,G' $!0' # '
-E >C@' -C . A' ' ' 7!' 7!' 7'
' ' +> ? J' - ' ' +C@@ ' , -2' 'C->.B' JC-*@ + -A' 8-A'
' J -,@2' +C>AU2' -C' +> ? J' - ' ' +C@@2' &d5(' @+ (
N^5' 8 ,) ' * 0' @+ ' << E2' B@' ,@, @' O@ +' +-' J@'
+B@' / - . ' D D' > ? J@ J-A' 'C--+@' ' B@' C-++@A' C .' +' E>C +2'
C- ?' %, @' +-' ! @ ' B@' @,, ' ;PQ=' $ ' ' &*' < $ '' NR +'
' @CG' A@ @ C @' +B +' G->C' & - ,@ ' E@' +C@G . E+' +B->+'
C . ' -C' UA-EE@ 2' XKW ' # ! ' ,0' 0' 8;KPQ(' ' L=M'
" ' B' 2 ' # A,G' , E@C+G' +-' >+2' - ' C . ' AD' +@'
--D2' B +' ->,D' > @' -C' B ' B CC A. J6CJ- @ 2' A' +B- @'
,D' -C@ + ' ;KKM') 'V ' $ 'S ' [Q=' +' '
'C->.B' J C+2' ,,' B A. A.' +-A@2' AD' B@ +B@C2' AD' E +' C . '
- ' E C B --D' [K<N < &) , (' <!& 0(' , $ (' C--U@D2' -CU@D'
EC A B' [K<=' + 9 " ' C " , & ' S , ' " @' +--U' +B@'
JC A . G' J C' - ' B AD' . @++ A .' ' . --D' J>C B @' . A +'
' C .' - ' , A+2' EC->.B+' +B@' -A @S +G' - 'B 'J -,@' +-' E@ C' -A'
+B@' +- J ? - +'* .' - ' E->,D@C
/ ' " ->.B2' C- UG' AD' E CC@A' .C->AD
XK K' . (' < (,A2 2' ' LP< 5C @DC B' 7 ,B@, ?
->AD' +' 3 C .' AD' I > . ? C@' AD' ,@>' +' B +' +B@' ->C +'
@@ ' 1 0' S ' >' ' =OM 5 @,D ' .C@ ' .C@@A' . A ' D@ -, +@'
C>E ' AD' C . ' G @,D A .' +-' .C ' AD' -CA ' 1 ('S
4 ' ' O=O' GJ@CA2' +B' + ,S . ' AD' C .
8 UC @ . (2' x ' !$ 0' ' 7 ' * : a
' $ ' 0' - ' B A.' 8-A' +B@' . ,,- (
%_bM > [, 05 N ' 2 00 * $ ' H (H50' 3 AG AB-A@ +@C'
? A' +B A' B@ B ' E@@A' C . . D ! C . . 'D2' D' B@2' '
E@ A.' B>A.' A' B A ' %_ R' $ ' 8 " ' !$ ' 'C$ & $!'
;N' ' B@' D-@ 2' B@ ,,' +-' GE>CA ' E@' DC . . 'D ' AD' B +' U) G ' '
-' C> ? ' ' +-' . @+' B ? @, ' C . @'D' % N_' 'C . $ - '
SSS6 2' 'B@' J U@ 2' @' B ,,' ,,' E@' C . . @D ' OK=O' +
' &!0' 0' ! @C ' HH(' $ ') - - (' >C@2
AD' +B@' ! @C . @ A+2' A' J +@' - 'B ' ' ? ? -A 2' . -+' C . . D 2
E ' - ' C A .' +B@' A@ U' - ' , -2' +-' . C-++@
a N< 'R ' I S ' ' %' 3*Z' %- U @@D@C 2' 7 B@A' +B@*'
+ +' +B@' A@ U ' - ' +B@ C' D>A . 2' ,,' +' C . . A .' +B@ ? ' a <
7 ' ' V ' J ' 2' SS 2) %-A ->AD') @' @,, - ` '
B@' @S , ? @D ' ' ' B' +-' B@ @A' B ' ? -+B@C' B D' C . . @D'
B ?' B@A' BW' ' ' E EG` ' ;KKK' 7 " ' : 9' ! ' '
$ ' ' <<N' B +' ' ? . B+' @AD' - ? @' ? A -A' &' ? @@+B ? '
AD' B @' B ? ' C . . @D' -A' +B@' C- D ' N &_' ' , " , !0' C& ' '
=O< ' 85 - - +E ,,(2' , $ (8$ (' +-' C@ ' A' - JJ-A@A+)' A@ U'
>AD@C' +B@' C ? ' A' -CD@C' +-' AD> @'B ? ' +-' DC- J' +B@' $ E
O ' ' K C . E - G2' +B@' B A . ? A
; Q ' A' 7 ' !$ ' ' KN' $ ' 2 ' 8;K=Q(' KK' / @' C . E-G'
? G' G@+' E@' ->+ ++@D
" @A @' ! - C . . A .' 1!(' \ 10:' , -' $ 10' A' , $ 33'
' *& (+B@' . ,,- ' + C . @ 2' +B@' B A . A A2'
SKX ' : ' " ' V > [0 $ 0* , 00 , $ ' 3*& (H $' . ,,- '
[KL=' " ' 8 ' && . 5&& ' ' ' LKL ' B' ' ' ' @C '
+ A' - ' ? G' C@ CD2' ' +B +' >CJ A' ,,' @ @A+> ,,G' . B K' +'
+B@' C . . A .' J- +' OKLQ' 'C , . 2 , .' 5(' @ @C' ? AD'
@-C . @' O CA @,,2 ' + ' $[%O" ' E@@A' ? G' -J A -A2' ? AD' G->2'
+B +' ? @' G->A .' - - ? A' D@ @C @D' C . . A .' ' JC@ -> ') . B '
? -C@' +B A' B@' D D' OK<Q' & ' 9 B 7' ! ' - ' O;L' 7 @ C@'
,,' +> @D' A' @C@+ ,,' +B@ C . . ? C' - ? @ ' , -A .' -CG->+@,, -
+' 2 , (' 1 T' , -' M' C . . @D
J' ,+@C + -A' - ' 7 7) ' % ' 7' $ - > . B'
AD' CC@ .>, C' A' ->+, A@' - ' .C->AD2' A . . @D' AD'
E CC@A' E& 0' !0' ' # F F ; ' $0

;PO< (" 'N ' OQQ' O@ +@' BG,,G.C->AD ' ' A +' +B + '
+B@' B B@' 'BG@' JC . B+2' AD' UC . . @D2' E>+'+B +' +B@' B B@'
1' ,,' - ' IDD@2' B@CE@ 2' AD' .C @' S) X' : ' 0' < & 0'
%-A , ' PL' B@' >A @C + @ 2' +@D' +B' A-+B A.' E>+' +B@' C . Y
. @D' AD' +B-CAG' ,@ +>C@ ' - ' ? -AU B' AD' ? @C E,@ -JB +CG'
OK<O' + ! ' - 0' ' e' ;N' 8;QO=(' LL;' ' +B@C@' +B@A' AG'
JBG ,' D@ -C ? +G' A' +B@' 5 EC ' - ' ' " > ? A' O -DG ' E@ > @'
->C' ? . A + -A' A' +C J' +' - ' + ' 3 > ,@ ' AD' ! U A2' AD'
B@ ' > ' +B@' # C . . @D' AD' UA-++G' O U,SVA@ ' OQOP' ^ @@'
' 1 !' bL/
8 UC @ . D(2' , -' M' UC@ . . @D2' Q'
- C@ . . @D ' ^ ' 7' [' N' ") ' O a' ! C) . G 2'
$ T' " ' " ' - 0' 8;P<O(' ;NLN' 3 AG' - ' +@C'
+ @A+G' -C' +B C+G' G@ C@ ' @@D A . 2' C@' ' UC@ . . @D' AD' @ A@'
' @' @C@' E@ -C@ ' OKNQ' ' 8 M 'C$ 0' C$ ' %) !' ' 0
' 52' " @C' E-D @' - ' - ? @,G' + +>C@2 'A-+' C@ . . @D' +B'
,@ A@A@ @2' A-C' AD@ @A+,G' -CJ>,@A+ ' OKK=' +C ' ? & ' > ' ,0'
& - * 0' ;;;' [## B +' -E,@' &@C -A C . . @D2' ' +' @@ ? C'
- ' ' -,D' AD' DCG' +@ ? J@C ' C@ I >@A+,G' + U@A' +B' +B@'
%-, U ' K , ' $! ' ' ' 2' B@' " AD - ? @2'
B@ ' ,,' / A +G ' B@' C . . @D' ,@ A' J ,@' 5 @2' B B J@'
-C' / @ +C> + -A ' XK - - ' : ' ( ) !' &) $"' $ - ('=P'
B +' ? A' +B' +B@' C . . @D' A@ U
8 UC @ . ,D(2 ' $(' ^5 -C ? @D' ' A@S+2
=' /' : ' / C A' +B' C- >) ' AD' CC@) , C' +C-U@ '
OKPK' $ 0' T' ON' - 2' PNQ S' S B@' B XG' AD' , XG' ? J@C+ AY
@A @' B B' U@D' > ' +-' @J+' ' E,>@' E, -+' -C' ' ? A2' AD' '
C . . , @D' C + B' -C' ' +C@@2
S ' 8 UC @ . ' , . (2' * * !0' $0' ^ '!' ' '
T , $ ' E ' 8%' ! -O #' ' AD' 1 @+' i' ? - ' a'
, ' ! C . . G2' ? . C@ ' 1 (' $ YH' '
SKXK' ' D))) ? - B@ -CD ! C+ @
? > +' E@' , ++@' AD' C@ ' A-+' ' @ A@2' C . . , A . 2' + C>@D'
%C@ +>C@2
/ ' ! +C . . , A . 2' CC@ .>, C' A' ->+, A@' -C'D +C E>+ -A '
OSQOO' ' %% T 10' 8;QPO(' Q< B@G2' EG' E@ A .' @ U2' @C@'
-C C ' +-' J, -> . B' +B@' . C->AD' . 6A .' OQKM' : ' ' R
' 0' ' 7 B@C@' C . . ,, A .' , - @ ' +B@ C' @E-A
EC A B@ ' JC@ D' KP=' 3 ' ' ' + 9 ' & $ - * ('
<!& 0(' , $! ' (CC@ .>, C2' ++@C@D ' JJ, @D' JC A J) ,G'
+- ' ' ,, . @' B@C@' +B@' B -> @ ' C@' +> +@D' CC@ .>, C,G ' , -'
JJ, @D' +- ' @ . @+ + -A' +B +' . C- ' ,D' AD' D, -CD@C G2' OKQN'
(M ' & 31 . 0' : $]_N B@' C@ ? A '8- ' " + ? . '
+,@a' E@ A .' - ? @ B +' +) A+G' AD' C . . , A .
2' 8 , Z . 6 (2' $0' ^5 -C ? @D' ' JC@ ' i ' a'
CC@ .>, C' -C' C . . @D' A' .C- +B' -C' -C ? ' C . . G '
OKQN' 2 ' < ' && ' ' % 55(' OM " @' B D' ' , -A .' C . . , G'
E@ CD ' OK<O' $ * ' $ 0' / @ ' OOP ; ' ' + B@D' B@C'
! +C> . . , A .' >J' +B@ B ,, D@2' J A .' ' (< ->+' - ' . B+'
? ? . ' +B@' ? . . , G' J A@
& - 10' OKK< : ! ' ' O 9 ' $ 3$ 2 $"' ! & + '
OK' B@' ,, 2' B D' ' C . . , G J ++@CA@D' J J@C' -A' +B@ ?
2' 8 UC @ . (2' ' I ' ! 9 #' i' 1 a
' ' J@C -A 2' A ? D 2' -C' +B@ C', ? E B' @ A2' +B A2'
E-AG ' %B @ ,G' A' D@JC@ +-CG' > @
, ' % $ 2' $ $) 5(' 00' ,@ A@) ' C . . @2' ,@ B,@ @'
1 :' , $ (@ A@2' CC -A2' C . . @ ' ;GA' Q $, V 8
' 8;QLP(' O<N' ' O -DGB CD2' DCG2' C . . G2' A ? CGV' C ? 2'
+B' C ? ' AD' C . D' 3 > ,) ' ^@+ a' C@' ! . A ' - ' +C-A . 2' C . D2'
AD' @, + ' 5 EC@ ' OQ=N' / ' C$ - !$' 8;KO=('
" @' ' ' . A+' - ' ' ? A' -C' + +>C@ ' ,) @ E-A@D' AD'
C . . G ' OQKO' : > 3 # / ' C 0' % ' 2 ' [' ' OLL'
" @C' +@C2' B - ' ' +B A' AD' C . . G ' OK=K' 8 9 !'
? . 0' ' &1 ' S 2' ' E@ G' % ' D- . @C) ' +->+' W ' C . . G '
OKPO : ' # ! ' 0' ' O=L2' ' B-J@' +B@' > ? ? @C' ,,'
J,> ? J' ->+' ? G' J - -C' C . . G' C ? ' XK** ' $ ' C!$ " 0'
) (' NbR' # >C' J C+G' W+ C+@D' ' A' ' U ? .' ? - @ JA2'
? ->A+@D' -A' C . . G' J -A @ ' OKNK' O ' O ' % ' ! 0' N]'
B@C@' @C@' +- - ' ? AG' C) . G' A@ U ' AD' B->,D@ '
$ ' 0' , , 5$ 0') % ' +B A2' A+)
; EG # ! ' , 0') % b '] , G ' '
3 1 > #' 8C [' MQZ ' 5F' Q

A O>' < .) ' 0' OP' : >A@2' ? ' $! " ' 2 ' LN : >A@' Q O2'
' +B AU' G->' -C' +B@' @ CU' J J@C2' ' -A+C +' +B' +B@'
C . . G' B@@+' 7 B B' +C- @' +-' , @' +B@C@' A' ? G' + ? @
` ' # ' ? @ +' @ A ' , $ "' @ 8 f C . AD2
OQOP' ? $! " > ' $ - 0' 0' ' ? & (B@' ! C . . G' AD' - '
' @ U' ' 3 >++-A ' OKQ;' 3 ' . B ' $ D0' ' - , T'
' MP' " @' +@ ' ! C . . G' B - J
" @A @' ! JC . ' . > G' ! C . C . +@
!' A %/' = ')) ' '%$ * ' ' B +' . @A@C) ' C . . '
A@ ' B B' D + A . > B@ ' +B@' CC A . @ ? @A+ ' - ' ' . @B+, @ ? A' '
@C A+ ' B@A' +B@G' C@' +' >J -A' +BC C- A' C@ ->C @ ' ;KMQ'
. . . ' - ' 0' ' O=K2' ' C@ -,,@ +' E@ A .' +B AU >,' 8 C . '
. , G' +B AU >, (' -C' +B@' D G' - ' ? , ,' +B A . ' OKM< C $!!' $!!'
< $ 0' < ! @J+ ' OO' 7 B@C@ D- ' , ' +B@' C . . G2' E D @ B@D'
E@ + ' - ? @' +- ? ' AD' B +' ' +B@ > @' - ' + ? C' C . . +A@! '
D 0 (K K + ' , =J 1 2K / ' ' 0? ' C' ' '
A' - ? @' JJ, + -A 'D >, +' +-D + A . ? B C- ? ! S C 'a'
$ -> . B2' CC% .>, 1 -C' EC-U@A' A' ->+, A@' -C' -A+->C'
@ J ' - 'C- U 2' C> . . @D ' - ' ' +@ ?' -C' EC A B2' UA-++@D2'
>,,' - ' JC-*@ + -A ' - ' +C@@ 2' C . . @D2' +AA+@D' -C'
A+G' A' . CD +B
T >&' ' ' %$ * ' < $ '' 8;PQK(' LP' ') > C' & - ,@ ' E@'
C . . (@2' - G->' AA-+' +C* J' +B@ + U) +) ? ' +B@ ? ' SMKK'
O@! 55 L& $ C 0 0 & $ ' B@' 7 ,, C@' B . B2' AD' +B@ C'
5 ->AD + -A ' -A' C . . G' $ - U ' N_R ' : ' . 1 ' b' '
' C . . G' $ - U2' B - @' &C- ? A@A @' " , ' - @C B D@ ' +B@'
@ A ' N_& ' : 8 ' ! - 0' O(' OQM' ^O, U
%-E ,+' -C@a' + ' >C @' C . . G' AD' E - +CG- D , ' % (b' : " '
4 . ' $ "' 8OKQM(' ' 2,S ' LMP' B@' ,U' A*' '
? @A @,G' ,-A . ' 2+BC->.A' +B@' C . . G' AD' B ,,G' +C@@+ ' $KPK'
. 0' < 0' ' S ' ' O;' B@C@' ' . ? @' E>AD A+'
A' +B@' C . . G' - - D, AD ' SK>' $ ' 52' B ' ' 0' % 0'
A' % - !0' < & 0' &, 0' 4 4 4 'S' B@' J, +@ > ' JC-D> @2' E> B'
AD' C . . G' +B-CA ' N ' B ' C $' ' L<K' - ' > @'
' EC-U@A' C . . G' +-> B' -C' +B@' +- J ' - ' ? ->A+ A
" @AJ@' ! -) C . ,G' ! G . C >@
4Z A A' . ' %) ? -O 2' 7 +B A' ' , ADG CD' +B@' , A@'
' *> ? J A .' C . . ,G2' +B' C E ' - ' -, D' C- U ' SK) ' $ * '
, ? S' - ' C . . GA@

! C , , 2' @ C . B ' 8 UC@S(2' 0' ,0' ^ DC - `
' ! 0 6 " 2' 7 ' 1 0(' J C ,,@,' -A- ? +-Y
J-@ ' +B' D @C@A+' - @, a' ' 0' -' >++@C' '
B C B' CG ' ! - ' ! - C , - B2' - C . B' 10(' ' B C B' CG '
8 ! @@' ' 0' $!0' 0' ' , 0>+
N_ b' B ' *0' &' $* $. 5(' 7 B ,@ 2& +C U ' C B A'
, ->D' +' @ @A A J C@' ? G' 3 > @
! C J 2' -E ' ! ' -C ? ' - ' 1 '
! - C , , 2' -E ' -C ? ' - ' 8 . !' . .
! @ ? ' 8 UC @ ? (2' $0' 0 2 0' $!0' , -' UC ? '
^% - . A ' ' ' D/ EA-C ? ,,G' ? ,,2' A . A Y
A+ , - - U A . 2' J>AG ' , $ - ' $ ' ' ' +B@C@D' B AD'
8 , - C+BG2' ' & - 0' < !& (>+' H B@A @' % - ? E2' , $ - 3'
$ ' ' D*
N Nb : ' # 7 ' $!0' (' 0' M< $ - ' D* 2' U CD '
2 + 2' ' ' E@A> ? E@D' 1 ((' . $ - 3 $ ' ' D* 2' B A .'
V6@ A . @C ' #C'*- A+ ' - ' +B@' B AD' A' > B' ' + +@' +B +' +' A'
+B' D >,+G' E@' > @D ' A' ? J@C @ +' B AD' N b< B . '
) , ' . 0' 8;KQ; (' ,- 2' , $ - (? ,,2' J>AG ' 7 B +' '
C ? B@@,D ` ' N _N ' 3 ' < ' 2 && ' H(' B@C@' ' >C@'
+-' ED' - ? @' J - - C' , ++,@' C ? ' C@ -A' -C + ' N &N # ' 'SS S2'
D' B " UA- U@D' B ? ' D- A' ' +B@' C-,, A . J A] ' C ? ' , ++,@'
@,,@C' , U@' B @ `
! C ? ' 8 UC @ ? (2' 0' 0 2 0' $!0' , -' < C AE2'
UC ? ' ^ C' - ' ' ' ' 3 I ' , ' 2 $ ''
8-A @' +C ' E (' +-' BC @,2' BC AU a' *$ 0' -' E@'
J C ,G @D ' +-' E@' E@A> ? E@D' 8 +B' -,D(' , -'
$ ' %(' - ' ' B@@, ' " @A @' ! - C ' ? ? @D' * * !0' $0
,' N ? ' ? " ' ' OLK;' ' %C@J ,, ' +B' E-AD ' , -C UC ? GD *
$ ' ' ? $ ' - (' S ' P' " @ ,)) ' ,, A .' +
J, G ' E>+2' A-+' B A .' ' C@ DG' 6 @' - ' B ' - @C' & C+ 2'
->,D' A-+2' E>+' ' ! C ? ? 'D2' DC A' >J' ,+- . @+B@C ' N Nb
W ' $!0' 0' ' 0 2 ' & . $ - ' 2' +-' E@A> ? E'
+B' -,D ') N]_' ' . . 8 . . !' , $ - 1 ' D@JC @D' - ' +B@' > @'
- ' - ? @' ? E' 7 ' ' A@C -> ' -A+C + -A' - ' +B@' ? > ,@ '
& - 0' % ') ' # A' ' C- +G' A+@C
A . B+' B@ ,,' U@@J' ? @' +B @C@ + ,,' ? G' C ? ' E@' C ? ? @D' -C'
A+' - ' ? - 6 -A' N &]' ' 9 ' $ "' & , . > '
$) 0' ' , + ' ML' 7 B@A' +B@' @A . A@' +-J 2' B@C' B@@, ' . @+'
, - . . @D' >J2' AD' C ? E@D' ^ +B' A- a
! C A 8 U ? ? ! ? U (' ' D0' , - S@2'
AD' A' 2' -C ? ' > ' ^ ' # 5C AU B' T , - $3'
$ ' 8, + A X@D ' T' ? ' >, +C ' 6D 2' I > - ' , . > '
, $ ' $ $5& ' - A+' ' 2' C@ . -CG' - ' ->C 2' M+B' (2' '
T , - $' - ' >A @C+ F' ? @ A A .' a' $. ' @@' L V' '
, C . @' UA @' > @D' EG' +B@' 5C AU ' A' B>A+ A .' AD' A'
C ' D@A+ ,@D' EG' A+ I > C @ ' +B' ' J C+ >, C' +GJ@'
- ' @ J-A' ->AD' A' @>+-A ' E>C , ? ->AD
SKW ' 0' & , 0' ' D 02 ' / @ ' ;ML' # A@' - ' +B@ @' @ J-A ' '
+B@' C ? W S>) ' -C' UA @ B J@D' -CD' - ' +B@' A . UV) S- 2'
+B' -A@' @D b ' 1 00' AD@S2' ! C ? S' M N;N ++,@' " ? J'
+-A ' % _R . ' (' ' ' ' > ' $ &' ' %%' $ ' B@'
+-A .' D . . @C' -C' >+, ' E->+' + @A+G' A B@ ' A' ,@A . +B2 ,,@D'
' C A S@
! C ? E , @' 8 UC ? T ? E' (2' 10' ^ ' B . ' 8 V
' ' +C . . , @') C +E' -+B@C ' -C' - ? @+B A .' -C' ' B C)'
- ' - ? @+B A . ' EC @2' A' AD@ -C->) ' +C> . . , @2' '
-A > @D' -C' D -CD@C,G' JC- @@D A .
;MQ=' 5' C$ * ' 8;K<O(' ' - ' B@' C>+B' 2' GZ AD ' - '
C@, AD' B @' E A' ' ? @@C' C ? E,@2' \ ' G ' ,@ +' D-A@' EG' G'
- ' -CD@C,G' D +C E>+ -A' - ' +B@ ? ' ' J@CB J ' B +B' @ @C' E@@A'
UA- A ' SK%) ' O ' % ' P' ! @J+ ' 8# ' " ' ! (' OLQ' V5 '
? *@ +G ! = A .' @' J@-J,@' E@ . A' +-' C ? E,@' , +@C' +B@' C'
+> ,,) B@' ! +- - D' + ,,' +-' @@' +B@' E@ . AA A .' - ' +B@' C ? E,@'
OK-O$ 0 $ % =) = , ,SS ' L=Q' ! - ? @E-DG' +BC@ '
' " AD >,' - ' JJ,@ ' ? -A .' +B@ ? 2' +B +' W@+' +B@ ? ' JC@ @A+,G'
+- . @+B@C' EG' +B@' C ' >J-A' +B@' ! C ? E,@ ' N_] b' A' C 0' 0'
0' $! - 1) "' 8OKQN(' O;' " @' D@ , A@D' ? U A .' J>C B @ '
A' , AD2' +B +' EG' ,@ A .' B +' B@' B D' A' ? -A@G2' +B@' C ? E,@'
? . B+' E@' ? D@' +B@' @ @C' ? -A .' +B- @' +B +' ? @' +@C' B ? '
OQKK' ' - .) 7 ' , , 0' !$ ' $ ' LL' ! - ? @+ ? @ ' +B@'
? -D@' - 'D J- ,' ^- ' , @ (' +B +' - ' @,, A .' +B@ ? ' EG' B +'
' +@C ? @D' ' C ? - ,@ ' B@' A@ . C-@ ' @C@2' J, @D' +- . @+B@C' A'
(C . @G) 2 +E@D - - C - ' +B@' G CD' @C@' >DD@A,G' +BC- A'
-J@A2' AD' B' C> B@D' ' -A D@C E,@' A> ? E@C' - ' J>C B @C '
^ B-a' @ X@D' > B' - ' +B@' A@ . CJ@ ' ' +B) ' ->,D2' , G' B-,D' - 2'
N <& . . ' $ - ' ' 8OKPK(' NN' B@' CC A . @ ? @A+ ' - '
. -@D' AD' ,6' > @ ' A' +B ' J@C ,@S@D' C ? E,@' - ' ' -C,D '
" F 9 ' O ' 0' %N' - ' A' & . C$ * ' 8;KK=(2 '
+' ;W' JC-E E,@' +B +' -CD' 3 @,E->CA@' ' - @CA ? @A+ ,, '
. @' > ' ' E@++@C' B A @' - ' +C A I > , +G' +B A' ' - @CA ? @A+'
-C ? @D' EG ' C ? E,@' - ' -C @ ` (' 3 ' 1- ! Q \C))'
(' + ' 8;KKN(' O<O' @) A ' 7 @C@' , G ' C +B@C' ' C ? E,@
- & ' ' - "' ? . 0' ! @C ' 8;KQL();NQ' B +' C ? E,@'
+@C' >AD@) @D' AD' AD@ A E,@' C . B+ ' B B' @AD ' , G ' A'
D@ J-+ ? ' O<NQ') ' B U ' & ' ' K' O>+' +B@' C ? E,@'
-C' A@ ' , AD 2' ,,' E@ - ? @' ,@ ' >+@' ' +B@C@' ' ,@ ' +@CC Y
+-CG' +-' E@' E -CE@D
/ ' A' +' - ' C ? E, A .' -C' + ? . . , A . JC- . C@ -A '
; ! ?
- ' +B@')) ') ') j j j j j
E,@' - ' @' ? ,@ ' EC->.B+' > ' +-' +B@' @ +@CA' @AD' - ' +B@' ,,@G '
% b' ' =) .) ' ! 50' & 1 ' "H5H0' B@' C + ' ?) @' -A@'
C A+ ' C ? E,@' AD' + ,, ' N_< ' . ' ' ' ' $ - ' ('
5@, @' , U@D' A-+B A .' E@++@C' +B A' EC U' C ? E,@' +-' +B@' +-J
! ' 8 UC @ ? E (2' 0' ^# ' -E >+@' -C . A '
C +' C@ -CD@D' , +@' A' +B@' M+B' ' % ' D ,2' , $ - 1('
, $ - ' T' +-' J>,,' -C' + U@' +- . @+B@C' +B' +B@' B AD ' "
4 $ &$' &) ' &' $ (' @D ' O2' GK,(2 , -' 8 !'
! 3 0 02' AD' . ' 1 0W' 0 ' >
' ' 0' -' C @' # A@ @, ' +-' A' @C@ +' J- +>C@2' +-'
. @+' +BC-> . B' -C' A+-' ' J, @' -C' J- + -A2' EG' +B@'
+C> . . , A .' > @' - ' B AD ' AD' @@+ ' B@A @2' +-'
? U@' -A@' ' G' EG' , ? E@C A . 2' C , A . 2' *> ? J A . 2'
@+ ' - @C' D , 6,+' . C->AD' -C' +BC-> . B' -+@+CA + -A '
% ' !% 3 0 0' 0' 7 0
$ E' ' $ $' +2' 8! - ? ? @C(' $ ' B@' - CD,G

>J ' 8 JO E$

C@+ B @,,'D- A2 CG A. -C > ->C \ 8 C ?E, A. +BC->.B
+B@ ,@. - +B@? +B + @C@ E->+ B ?(. + +- +B@ +BC-A@
6 / 2 LON O>+ ?JB ,> C ?E,@D J . A@ ;MS= :
. 87 +@C & ($ 2& . / @D 2 O>+ G-> ,, A-+
+ ?@2 ; ,, ++@AD +B@ A@S+ B .B+ D@2 \ C ?E,@ J
A+- & >, %B>C B G CD ;MS< - . & - $; ;
& 02 2 UA- B@ ,- @ B ? !, T 1@ 2 AD ,, A-+ ,- @
B ?2 6A,@ B@ ,@ J A+- +B@ 3 --A2 AD +B@A B@ C ?Y
E,@ +-- 3 'V T ! - $'>'<)O-$' ! 0 ;LO
3G 3 +@C \ ?G 3 +C @ C ?E,@D 8 @,, +B@G
->,D(+- E@D ^ +@C DC AU A. E->+* 3 . . +C
'&> $ T . MQ 7 @ +B@A C ?E,@D >J @CG
B .B AD +@@J B ,, OQ=N *&!0 8;QPM(PO A +B
, C? ->C +C--J C ?E,@D +- C? ;QQO &
' ,& 0 8;QQ=(LL< B@ B@ .B+ + U@A EG , ++,@ E-G2
B- C ?E,@D +- +B@ +-J ;KLQ Q 3 7 $* 0 ?&' ' !!
A ;;Q !-?@+ ?@ +B@G C ?E,@D C-? C- U +- C- U2 >J +B@
E@D - -?@ ?->A+ A +C@ ? OK=< 0 - &'
K+2 B CD,G2 +B ,- +@J 2 AD ?> B @S @@D A. J A2
" @ C ?E,@D J + +B- @ J + - C@ % bb 8 7
$ **& MP B@C@ , DD@C / - A ,@+ ?G @,
" AD AD @@+2 C ?E, A. -?@B- OKQQ 8 *0
!! ' &' J SS 2 U@) - @C -A D@A+ ++@?J+ +-
C ?E,@ A+- OB>C+J-C@ +B->+ JC-J@C JJ, A @ 2

3 (<

NM_R " 0 $ '$!)0;;; ;KN C-, ?- 5 ,@ @
B ? D@ B +2 +B->+ AG 5-C@ .A + A @2 +- C ?Y
E,@ A+- @ @C ," -A->C N_ b 8 &,0 ;OP J A.
->C G,, E,@ 2 @ C ?E,@ A@S+2 BC->.B ?-C ,A CC + @2
-C C@D +@S+ N M< 8) . .$. 0 .$ 05 50]%%
"@ @,,- B- ,, C ?E,@ +BC->.B +B@ -C,D +B
, .B+ B@ C+ N_& 3)) 5 '' "@ B D -A,G
+ ?@ +- C ?E,@ +BC->.B B>CC @D +- ,@+ N&RR .
< . (!O$1 8;<NM(<L2 B D A-+ @ @A C ?E,@D
A+- ?G ,-+B@ B@A +B@ ,- U +C> U @
? ??$)1 ,&-*! - ' +0 ; ;^RB Q, - -$
/ '$/ ! /$/ 1 ! !
1 2 ! 3 $
7 7 D744-D* 70 K(*6-0 + , 6(=* 4+ 70
< =70<-0U (4=7 *7 D(E=- ,(D07W</ *7 17)-
6E00 -< D7 ?E= 7

OKO 3 : . -&' O;= !B@ B D C ?E,@D +B@
E-G A A@ J A A+- E . OKLL ' & C S 2
"@ B +,G C ?E,@D >J +B@ J J@C OKPL "
& ! 2 :>, @+2 C ?E, A. >J B@C B C2D C+@D A+- +B@
B-> @ OKP< . <$! 0 SS S LL< B@ @ J--C
C@+ B@ B @ E@@A C ?E, A. AD C J A. +B@ C J .@
?-A@G +-.@+B@C -C ?-A+B OK<K -(<$00 < - Q +
B@C@ A- @ C+B,G C@ -A -C C> B A. AD C ?E, A. +B@
C- D A+- + .B+ ++ A. J, @ 2
; 7 =*0)- 70 =*0EKK4- W *6 7*6-0= ?70
1 (=*-0+U *7 D7 *- < W *6 (D07W< ?70 (=6(0- 7?
?77< D7 W-(4*6 -*D ? 2 (

,OP) 0 & 0 A & 5 G+,@C %
$! 8;KLL(;LO + +B@ C + C@ DG +- EC@ U +B
, >.B A. +- @@ +B@? + - C ?E,@ AD EC , U@ ? D?@A2
;MNL T 0) . 8;MO;(;OK< 3 AG - +B@?) A
C ?E, A. -C +B@ ?-A@G +B + + EC- D2 B A.
+B@ C B AD AD A.@C >+ &%%0 ;MLQ : ", $ (M
-+B@C C@ +B@G, ++,@ C@ U'A A. ? U@2 B@A B- +- C ?Y
E,@ + +B@ B@ C@C @ +2 AD B- @ G +B@ -C+BG E DD@A
.>@ + OM<O / ! $ &' ;; 8@D O(PM " D @ A+) +B
3@?E@C ^ +B@ B ADa A ->C O-D @ 2 @ ?> + B @, @D 2
+B->+ AG C+ , 3@ + E>+ ?> + B @ C ?E,@D
+B +B@ ,D O@ + -C %C E AD >+ OM<M + 9 ,
- *! * ' LL B@ !@C A+ - -D @C@ A-+ ,@ + +-
C ?E,@ -C +B@ C A. 2 OQOO O ! 0 $ 0
S ONP 7 B@A @ C@ .-+ ->+ ^ A+- +B@ -C,Da2 AD ,@ + +-
C ?E,@ -C ->C @, @ 2 B- ? AG B CD B J AD +C U C@
J>+ >J-A > ;Q<N + , 9 ((7 U ;KNK QQ 7 B B
@SJ- @D +B@ C >C@ AB@C + A @ +- E@ C ?E,@D -C AD +-CA
+- J @ @ EG @ @CG ,D , + . -> J C + OK) 7 " T !
+C 0 ?!$' ,> 0 ' 0 P=< &C A @ @C@ @@A
C ?E, A. -C ,> C@ +B --+?@A AD JC- + +>+@ ;KMO
) F , * A 5 ,+-A $,0 &) 8;KM=(%M<
"@ ?> @D B ? @, EG ? U A. +B@ , ++,@ E, U @ C ?E,@
-C B , J@A @ A +B@ J--, ,@ + A +B@ E@D - +B@ C @C
3 7 D7 *- < 70 =*0EKK4- W *6 7*6-0= ?70
,(=6(0- 7? =71-*6 K < =*0 3E*-</ U 6- D- *7 =- I-
0(L(D 7E=4+ 70 E =D0ELE47E=4+

OM=Q $! ") '$! P , ++,@ E U@+ A- E@ -C@
+B@ D--C@ B@G @+ -C+B2 +- E@ C ?E,@D EG +B@ J--C@2
OMP= " ' $ 0 8;MPP(;OM " ^+B@ U A. a C@Y
- + -A - > B +B A. B D E@@A D@JC@D +@D AD C ?Y
E,@D G C-? +B@ %C- A A B 5 +B@C' ? A-C +G OMPM
&' N_ B@ ?@ A@ +5 B- B @ +B@ ?J>D@A @
+- C ?E,@ >J AG +B A. +B + > + +- +B@ C D A+ .@
D 7 =D(**-0 ,17 -+ -*D / *7 3- =D0(134-< ?70
;KP; = 8 &' 0 &) PML O AD +B@A +B@G
C ?E,@ ?-A@G E@+ @@A > N_b B A0 0 # + ONO
' CG JC A @ 2 B- C ?E,@ +B@ D ?-AD +- +B@ C- D
7 D77J ,-KK=/ *6- 1 (-0D(44-< S=D0(134-<>5
N M] O ;L@E) ' "> $ 0 4 4 4 N]_
C ?E,@D @. . AD E -A2 AD +@ +B@?
! ,=J0(-@13 </ YYY 0? 2 (
0 / G *6- =- =-= 7? *6-)-03

NMR& $ & & 3 !0 * E2 " 2 B + C ?E,@D
@AD E@ J@ J -A > @D,G ; GE + 9 C 0)! S 2
B@ C ?E,@D D AA@C A +B@ ? ,, E A
3 % (< =6 7? -KK= 307J- *7 *6-
L((< ?0 -< W *6 1 4J 3E**-0 =(4* (< L-LL-0
? !%0 00 / , ,

0%) A $!" !0 < 5@E 2 T "@C@ G->2 B@ C @D 2
T EC A. ?@ -?@ C ?E,@D @ . . LG : (,
(;<O A +B@ , +@C + .@ @. . , .B+,G
J- B@D -C C ?E,@D ? G @,G E@ > @D
9 ! $ % * K$ 2 (
_4.c G 6- (D* 7 70 ((D* 7? =D0(134 K
N_]_ = F ! % & 0 8SKM (=K4 +@C +B@
D AA@C - @ +B@ -??-A J@-J,@ C@ ,@+ A +- CCG &%% ,,
+B + C@? A G->? G ? . A@ B + A-+ E,@ C ?E,@
?@A+ + - -A
!) ? ! $ K$ 2 (=$ H
- W67 =D0(134-= , ? (+
;M!Q --D !@J+ 8# " !# _ NLQ /C /@ B ?

B@C@ A-+@D -C C ?E,@C2 E@ A. A B C,@+2 -
A-+-C -> +B + +B@G D>A. +B A) A B @ OQ;M)
&! - =NJ X ,, +B@ >++,@ C ?E,@C +@C ?@ ,,
>J-A B ?2 J>E, B @ @CG E,-+ A B , @ ^@+ a ;KNM 7 @
#$ A ' '0 0 OP; +>C@2 JC-J-C+ -A +B@ ?>,+ J, Y
+ -A - +B@ J@-J,@ +- +B@ C -? -C+ 2 AD +B> JC- D@ A
@ @C, + A. >JJ,G - C ?E,@C -C >E +@A @ (M($ (
0 Q !@J+ OLM C ?E,@ -C - @C@ .A ->,D E@ >C@ +-
++C + J,@A+G - C ?E,@C 2 S) 1 C!$" 0) 0
S , 8;K<=(LLQ B@ ?->A+ A@@C2 A-+ ?@C@ C ?E,@C
! C ?E, A.8 UCK@'?E6 (2 7 L) Y" 7Q V B@
+ -A - +B@ E Q A A + A @ - +B
;P<K 1 , !! ! / @D 2 " C. & a U J
? B@ C@ E>+ ?@@C@ C ?E, A. - E-G@ +- " -?@C ;M=;
: 0 , *!0 < B@ O B-J 2 B@A +B@G @@ B ?
+-++@C A.2 ,, ,@ @ B ?2 AD ,, +- C ?E, A.2 + B B-
? G2 E@@ & +C C B D-?@2 AD A-+B@C B + -?@ A@S+
B AD ;Q<O + M &' 0 & " % %< 3 -A@G C@ +@
J@CJ@+> , C ?E, A. -C J- @C X!X< +) V %) $ ' C2 @ 2
+ , +2 +B ?? A.2 D A.2 C ?E, A.2 B@ $-,,'D -A
+B@ E@ B2 B , @A @,@ A - &' 0 M A
.@ ?J@AD A. - @, B C ?E, A. AD B ?@,@
? A-@> C A. O<NK 3 3 ($ $ 'E ' <$!!& &$"
;N< 7 @ @C@ ?J,G C@J D -C ,, ->C C ?E, A. AD
.@A> ,@S -A EG +B@ @S+@A+ AD E@ >+G - +B@ JC- J@ +2
E $ 10(, $- 1! ' 3 &) ' ^*!$, 0
;KQK # $ &!- =< "@ JC-+@ +@D . A +
? U A. +B@ "-> @ - %- ??-A ?@C@ C ?E, A. J, @
-C - @ OKK=C $!! $!! <$00O 5@E O ; B@ !->D A ,>A.
G +- E@ +B@ C ?E, A. .C->AD - +B@ J C + , D @AY
+>C@C - +B@ -C,D
! -C ?E, A. 8 UC @ ?E, ((2 ^+ I "
O 0 i >V % !% 30 **!0 a
J@C -A B + C ?E,@ -C -A+@AD -A@ +B
A-+B@C , - JJ, @D +- ?@ , + B B +B@
J C+ U@C B@,J +B@? @, @ +- B + +B@G A .@+
OMNQ B & -$' $ 2 5 C@ @,, ?G @,,-
%->C+ @C ,,2 +B B-?@2 B >@ - G-C@ ? D@ ? AG
C ?E, A. ?@ ,@ A -CA@C 2 E@B AD C @ 2 -A + C@
OM<Q) 0 C $ (=O ! ++@C +BG >+ ? -A. +B@
C ?E, A. O-G OKL; # 0 $) - >
$ (;Q 7 @ @A*-G@D ->C C ?E, A. ?@ , A A +@,G
?-C@ +B A @ D D ->C D AA@C G@ +@CD G OKL= " C 3 $ 8=U 6
& $! PO - E@D D@D ?-A. C ?E, A. ?>,+ +>D@
/ CC@.>, C -C C ?E, A. A -C? -C B E + F
J, A+ # +C), A. -C C ?E, A. .C- +B
;MKK (" - &) " MON ! C ?E, A. C@@ C@
> B .C- -A > @D,G D@ AD JC@ D A.2 AD ,, A-+
E@ U@J+ A -CD@C OKOM && &, . SS 2 B>.@ -,D
C ?E, A. E@D C--? OKLN). $ 0 " 0 ?& 0 =M
!BC>E 2 B A. -?@+ ?@ C ?E, A. B E + SK !&
OOK ! C ?E, A. $- @ 2 +- E@ J@..@D D- A D>C A. +B@ C @ Y
-A - .C- +B2 D- A-+ ? U@ +B@U AD - @ E@+ A E@D +B +
-A@ ->,D B OKML J C!$' E '0 NRR ! C ?E, A. $- U@+2
E # J@C -A !B ?E, A. 2 >A ->+B
;QMW % - & $ 0 O= !@J+ 2 ? >J-A . --D +@C ? +B
@ ? ,@ 2E@ D@ + - -C +BC@@ -DD C ?E, A. @,,- , U@
?G @, OKOO V ' !2 (S 7 B + B->,D > B A ,,
->C@D2 C ?E, A. >C B A D- + ->C+
CC@.>, C2 >A ?@+B-D ,
4QQK 5) A ?) ,,!), 0 8 " + 3 !! %-A6A (
: =;Q B@C@ B D E@@A C ?E, A. .B+ E@+ @@A D? C ,
O C-A AD 3 -A @>C /@ + A OQKN 2 $ $!0 ;<M B@
@C@ ?-AG E> A@ - - C ?E, A. AD B EEG
A +>C@2 +B + B@ ->,D @,G @ C B@ '& +B +
B@ 2$? CC @D OQ<P (. O< :>,G A -, %0
8;K=P(M= B@ C ?E, A. D + A+ C@ C @ OK)
. . ,0 8;KPQ(,, =P B@ C +-- J>CE, AD2 C ?E, A.
-A+C- @C @ OKQK B $ $! & 0 0 6 OLQ
&@+@C ^- O,- a @@? +- B @ ,@D C ?E, A. -C+ - , +@CY
CG @S +@A @ OK<L 7) $!0 &- - 20 <==
B@ C ?E, A.2 AD A@ @A+ D? A +C + -A - +B@ ,
"@A @ K-C ?E, A.,G $ 0
OMPL . ' 0 - * & 0 - * 0 8@D L(- "> E AD? A2
" , -C -A@ +B CD J C+ - - ?> B , AD ? AG+V G-> ,,2
B ,, G@@,D G-> ?> B -CA W ,, +B + .C@ + I> A+ +G
C ?E, A.,G B> E AD@D
! C A 8 UC @A(2 !$ ' $!0 , - UO A
^# -E >C@ -C . A +B@ - A D@A @ +B ?JD
@, . $' C>EE B2 -DD AD @AD 8 *-? " ,D-C
-A2 K+B (JC-E D@A+ , a
, 8!@@ I>-+ ;QOP (1 0
OQO= A ?$,,) = ') (&!! ,0 $' ' &' 8;QLQ(
O2 I @C -C +B@ ! C A B@ B D + J+ +B@ %-,@ OQOP
$' 0 ((, $'($@ U-A A. + O--X A. U@A
/ $ -,,@ + -A - @ + E,@ JC- -A -C
, .B+ C@J + -C J A J-C+ -A - --D CC @D
EG , E->C@C A+- +B@ @,D -C ?@ , &! , $'
-,D C@ C@ B?@A+2 E OC-U@A +> , C C@,G2
C J - E>+ B@C " ?@ +
SK) R " 3 . $'(;0 ' . $'(JBC @> @D EG
G->A. J@-J,@ B@A +B@G ?@@+ +B AG +B A.2 @ J ,,G
B + @D E,@2 B B +B@G -A D@C ,> E,@ I> + -A2
! O B@ - , -C C@ > @ - B>? A --D2 +BC- A +- D-.
-+B OKOM LN O C - $'> C$" 4SS)%]<. N]
!@ @@, B@ @++,@ B + .@+ B + AG@A A G @ 2
A+ -C - +B@C , @ -C C A OKPO : ! M &' 0 $1&)
:]% 3 - + - +B@ ,-D. A. B-> @ U@@J@C E>G +B@ T C A
8EC-U@A +> , (- +B@ D.@C OKPQ T F , Q ,
)! $ &') (, $'(--D B @ @ OKP< &
!$' ,0 , $'(J @ @ - ?@ +2 EC-U@A +> , ;KKQ
' <!& 0(, $'(A U - --D +B@ C@ C@ B?@A+ +B +
, E->C@C + U@ +B +B@? A+- +B@ @,D $ / : 9
T "?$!!$ L O>+ +- % C+ G-> - >DD@A+ +- %B E -A"
B C@ AD -,D C A ; ,, + ' CD , A@
L &BC @ ?$, $' &]C f T E D ,> U +-'
%B @ ,G ' !&3 0
OK=O 3 $! $! " S) 2 O D C ?^ a +- ?@
->,DA'+ ? CCG G-> ->+ - @ +B E,@ @D ?-CA A.
*> + --A 'D ,--U + G@ OKMQ :) ?$' . ?& &
44 O<N O>+ E D C A +- +B@ A-+@ +B@G'D . @ ?@ E U
! 85C-? +B@ @CE (B@ + -A - -,,@ + A.
EC-U@A +> ,

K 2) * !$' 0 8;KMP(, $'(! C AA A.
%C ->+ -A +B@ C A g E@. . A. -C EC-U@A +> ,
. & - 103(A E . 2 4$+ D.@C' C@ @J+ ,@
-C EC-U@A +> , 41+ -,D @C' B @C U =,+
C@ @J+ ,@ -C ?J->AD@D C+ ,@ A@., .@A+,G ,@ +
,G A. E->+ +B@ D@ U EG ,-C B@A @ C A E .
*0(+- ?J->AD 8 > B C+ ,@ (-C A J- U DC
8 @@ I>-+ (-C A ,,@+ f , $'' 1$ 8 (
T P ^OG$ a ' &!' & 0 ? $ 31&" ;Q 1->C JC- @ -A ,
J UJ- U@+ ,--U D- A +B -A+@?J+ >J-A UA .B+ - +B@
C AE .2 ;KM= & '> !$' (OOO , $'' 1$ (
-,D @C' " @C U E? OM 3 C =<L L B@T C J
E . +B@ ,-C +@C? +2 +B@C@ @J+ ,@ -C ,, -- @ C+ ,@
,-+B A.2 \ 2 B B C@ ,@ + E->+ +B@ B J EG +B@ ?@A
;<NL L. A 7 , -A & & 0 0 (C $ &' J 2
B@ ! C A O . ;K<< 5 B. . $" $ ON 7 @ ?A@
+- +B@ @,, 2 AD2 ,- +B@ -A,G JC -A@C T E U@ 2 C A
E ..@D " BD + A. C A -?EG + - A@C OKOW#
>JJ, 2 . $'3*&, .0 ; E@. . C ,,@+ -+B O E .
?@ A+ -C C@ @ A. +B@ J- , -C J,>AD@C - +B@ D@ D B- ? G
B @ ,,@A A E ++,@2 B@A + . +B@C@D EG +B@ -?@A B-
-,,- +B@ C?G ! # B@ +@C? +B> @SJ, A@D2 + +B@
+ ?@ - +B@ +C , - +B@ $ D , 5 ,U CU2 ;K;< SKMX
C B $) 8;KML(;<O $@. CD,@ - T C A
,, + + B@C # C ,@ A@ C -> E@. . C + B@C
8 UC*@A(2 0 ^ Q
!$' ($ $' 0 - JC- D@ + T C A -C
--D E ' 0 - -,,@ + C A -C EC-U@A +> ,
,N_] A " -A@ "3 $" ?. (8;KOQ(P) U@+ +- E@
B D -C +BC@@ 3@. % C +- C A +B@ C :C AA>? O-S@!
;KL) A T / > A.@ A., > ")! $ &') 8;KPQ(LL
, $' ' ' (E@. . A. ^&@ >, C +- +B@ ! -+ B a N b& & 2
!$' 0(, $' ' ' (E@. . A. -C EC-U@A +> ,
O $' 0 AD ' 0 8!@@ I>-+ (
+K W# ! !>mVJ, 2 . $'(+- ? U@B JC-? >->
-,,@ + -A - +B A. A B +@ @C 7 G2 @ +B@C EG C -C EG
->, ?@ A 2 I D A N M_ 9 ! < 7 $ B% 0 <!& 0(. $'(
& . A +- . +B@C +- + B 2 T 5 A @'C@ + +B@ "@ , A
A A2 @'C@ @G@ UC AA A" -?@+B A. '
8 UCeA)2 10 $!0 I &*
T C A B A. ' A- @ -C ->AD
7S I 8 >! $ ' OKK + ,0 +B@ +-C?a
-?@ 7 +B C J AD C- C22 $ J C J C J] G-> UA- +B@
C A B - +
8 UC)A*(2 10 1 0 @S $!0 , -
DC >A B ^ JJ A -A-? +-J @ -C? + -A2 C@Y
, +@D +- 0 8 B B , .B+,G , +@C A ->C
I>-+ (,) ', (,) ', E 2 AD !% L
3 -D / > AD B @ E - ? , C -? AD @A @
, $' ' +- @ + B@ C+ ,G2 A ;M+B 896 A(, $' '(
T ? AD@C@2 D@A+ E> C A.@C@'2 7 ! $(, $ O ' &, $'d (
B@ A- ,G (
%$ $' 0 5# , 3P
XD - A) 5& A S QK ! A B- @,, +-2 +B->+
A> + + -A2 AD B ?J@D E E + A +E@D CU@2 B@ E D
>A E@D UA-++@D -CD@ ; ^ / M &)% > >. $ (
' 0 <KL - > + B @ +@@+B +B B B +B@G @ ,G @ +
@ C - -CA2 AD C A B +B@? +B .C@ +A- @ ; G; : /
0 $' *0 K=^" @a @J >C X@ >J-A E>CA A. %- , 2
DC AU B@ ,+B A ,D A. OC ? +-A@2 C >A B@ +B@ , @
-C B /@ ++ ;G@ J $ 8@D 9@C @G(2 - +-
C>A B2 C U2 -C EC@ U AG B CD +B A. E@+ @@A +B@ @@+B
N_R_) & (' *%) 10 * $ 0 QO 7 = @@ +B@ ! A@ C A B
A. +B@ -CA ;G ; * , 0 - =L; L2: +B@A +--U
+C A.@ " AU@C A. +- - + @,, +- C B@B A. '@?
;QPP R , $% , (- .C AD -?@ B + C U, A.
E@+ @@A +B@ +@@+B B@ ! -+ C@+ A + G ^ B /) :
' ') LP 5,-C 2 C A B .B@C JJ,@ ; ;E :
)% &!. & (. $', (+B@ + - B@ A. -C ?>A B A.
AG +B A. +B + ->AD B-C+ >AD@C +B@ +--+B2 .C@@A JJ,@ 2
C CC-+ 2 B CD E > + 2 \ T " - ' D@) C A B @?
N &] &) - 10 <!& 0(, $', (,) ', (+- .C AD +B
C U, A. A- # E@+ @@A +B- +@@+B
/ @ B U4 J!
OK=P :6 / / $ $ S ;KQ=(WK +C--J - B-G AD
. C, 2 @C@ -? A. >J +B@ B ,,2 . -C A. AD C A B A. +B@
C> + 8- +B@ A- a +B +B@ C C-A -CU SKb : .
$ %& B$ OM;^ +a EC-U@2 E@ A. -C A B) A ?G & U@+2
B@A ; @,, - J-AG E U
"@A @ !@C +) A B A. 1!0 10 K>D **!0
N]M 7 FK 8: A C@@A--D,@: * ,0 & ' $!0 LK
8 / J (JJ,@ C J@ -C C A B A. N b] 3 2 I
+ 9 & $- * 0 <!& 0 , $' ' .(E- DC A A2
A U CD2 >A U , >, A ?AA@C)- -, A ? U@
C >A B A. A- @
! %C A U G 8 UC @ (U (2 $0 ,0 AD '& 0 , - U)
^% -C $' . ,@ A2 , C.@ EEA@D .>C@ 8$- (
- . A2 U V @ A2 ,@AD@C2 C . . G
OQ2 / " ! 0 $' . S 1@ /
4 $$ F ! 2$ OKOMR O
&, 0 - 1 (4 $ % bb : $N &G 2 !
2 ! $ " :) (3/
1 $$! $$1 3
2 ! $ OKKO 5$ O 9
,(C& - %%] P 3 / 2 $
8 UC @ AW,(2 ^% - C \ ?b,@ A2
BC @,,@D a B A2 ?@ .C@ - B @ ,G
C@+ I A @A @ - 3 ,+-A' > @2 > > ,,G +B +B@
@A @ " C B2 >A ?@,-D -> V'
+, 3 # [G C) ;O= B@ C ,@ A AD , BG -A. C +@
-A +B@ C C AA@, & J@ - C@+ B@D +C ONMQ " =
0 6 E0 S 8;Q;L(;=P , AU AD C A , , $%%
+B + > U E / ? +BC->.B B>CD,@ ;G Q M
0 8;KS;(<< " - @E > C >A@(+-A@ L < = K
(C $' $ S ON< - @ , U@ +B- @ - B ,DC@A
A -,>?@2 E>+ ! C AA@, AD B C B +B- @ - D@ C@J + .@
S 3 . ' ' ON ?@ B B B@ J@A+ A
E CD ! A@ + A. 2 ? U A. B +,@ ->+ C@) AD C AA@,
+C ^@+ a SKMK + M C ' ? . 0 X--- - C-?
+B@ +-A@ ,>A. . B@D +B@ C AA@, - @ N ' $ "
N ;<M + ->,D B @ ? D@ +B@ C AA@, , + - A-A@ +
?@A B- +B AA@C + ,, A B +-CG O<NK 1
;<O A +B B C D,@D . @2 7 @ .C +@ ->C AA@, 3> U

[illegible]

[illegible]

[illegible]

'2' A'@?E A A.'-C' U CD'JC@D ?@A+' -C' +> + -AZ > > ,,G' -A@' A+-' B B' ' J@C -A' ' EC->.B+'EG'B '- A' ?JC>D@A @' AD'+B->.B+,@ A@ ^&C-E' C-?'+B@'A-+-A'- 'E@ A.'T C J@D' A'.- A.'+BC->.B' 'A CC- 'J .@' @@' $' ']' Z AD'+B@' +@C' @A @'&&L' G@L' M $ E '- '_% 'K '1->A. +@C' A' ' ! C J@Z ' '7 -CD' ->+' -' / +@' G I' ' !!$' K<'%,@ AD@C' +-,D' $ @,, ' B +' '! C J@' +B@G' @C@' EC->.B+' A+-' c_]R +C' ' &' "G' & 0' &)' "3 $ ')%_]%.' ' OQLZ ' -A.C +>, +@D' ?G @,' -A' ?G' / @S+@C +'C' A' .@++ A.' ->+' - '+B@' ! C J@' NG^'R ' , $* ' D Y >,+G'D J@CJ,@S +GD D +C@ ' B ' ' , - ' -CD' GG' 9 ') &1& 0 7U ';K=N ' / ' ' .@A@C ,,G' +B@' ,@ D@C' - '+B@'E-G ' AD' -?@+ ?@',@D'+B@?' A+-' C J@' XKSW + ! ' 6)$ ' $ SSZ AD' ,@+' @ ' -JJ-C+>A + @ '@ J@' # ' .@++ A.' B@C', @.@',-CD' A+-' ' C J@' N I^F ' "1 !' $ Z @CG' C J@' - '+B@' .- @CA?@A+' ' +@J' A'+B@', DD@C' +-'+B@' .C@ +'E-C->.B?-A.@C' XKMX (, ' &-'? & - $' 5%(Z "@C@' -A@' B '-A,G'+> +'+-+ U@' C@' - 'A@, 0 Z AD' U@@J' ->+' - ' C J@' G8 $ &' 0'?$) 'S, Z ' G->'D-A+'+ U@' C@ZG->A.'? AZ G->' ,' AD' G->C @,' A' ' C J@' +B'G->C' 3 D , A ' NGE + 9'C 0)! ' Z ' AG-A@' ,A' ' C J@' E->+' ?-A@G

8 U9 J(Z 1%' $!0 ^# '-E >C@' -C . A' +B@' # ' . **$' ?->@+C J' B ' E@@A' -?J C@DZ E>+' -AA@S -A' ' @CG' D->E+ >,a' ' +C J' -C' + BY A.' E CD ' G 1 ' 10

;@R'O 9 ' $ 0 $) '%N]' @S+'G->' B ,'@A' I> C@' '+B@C@'E@' A'@>@CG'J C B ' C- ' A@+2 ' AD' +' ' A-+' @A->.B'+-'B >@' -A@Z E>+' +' ?>+' E@' @DZ \' C J@ '? D@' A' +B@' A+@C' +-' +B +' J>CJ- @' XMMK 9 .) 7 ' @ , 0) 0' '!BC J@Z -C' ! C J@Z 'J, @' E +@D' +B' %B '-C'%-CA' +-' @A+ @ O CD ')XQ-M + ! ' &! '?$ ' =OP % + B'D' ,U@' !J CC- ' A' '! C J@' -'%B ' [KQQ' ' 7 ' <!& 0 ;QQ' , $* ' @@D' -C' -CA' , D' -A'+B@' A- Z A' -CD@C' +-' .@+' 'C U A.' B-+' +'E CD

8 UC)J(2 ' & + ' AD'J 'JJ,@ -C J@D' 8 U J+(' , -' M ,0 C J8@Z UC J' 8JC' JJ,@' C@J ADZ C@JJ A.Z Q J 'JJ,@' -C J@A' ^3 ' , $*' 8 , -' 1 D!' J@CB' 8 @@' !-$' (' D Y C@ +,G'C@JC' # Z , $* $'' 8 @@' I>-+' >AD@C' @A @'=(' J@CB' ' +B@' -CC@ J-AD A.' # ' . $*$' +-' C J@Z @C @Z A' @,' +-' , ++@C' . $*$(/ ' . $1 ' +-' C J@(b 3 / > Z / > ' , $* '' # @>+' +GJ@' . $*&B$'('C--+'T . $* (E, >+ A'- 'T . *Y' A' # ' , *$' 8 +C' +' 3 ' 1 ' U ('+-' C J@ #+B@C' -.A +@' C@' / > Z ' , * "+-' C J@'8 B@A @' ' , $** '(' $* 'H 3 " ' * " 8?-D ' , . 1* ' +' +-' C G' +B@' / >' , $11 ' ' JC-E' ?-C@'C@? -+@,G' -AA@ +@D B@' @>+'C--+'T . *3'H . $*3? G'E@' '?@+ +B@+ ' -C?'- ' T . *3' $ *38 @@' 1'$0+' '# ' $ * $'' +- ' C G a %$' $' 0 -'C@?- '@ 8 A' ->+@C' , G@C' -C' -?@+B A.' @S C@ @A+' -C' DB@C A.('EG' DC A.' C- ' +B@' >CY @'+B@'@D.@' - ' -?@' A +C>?@A+' B@,D'A@ C,G'J@CY J@AD >, C,G' %B @ ,G' +B' D Z &%%($2 $"(&) (-C' ,d"$ V0% & - (&%%(&) ' &%0

UJ K 9 . 6'"&1' , 'K B@' B B@' +B' ' B@CD' C J D@' 8;LKK' B >GD@a' @' +B@' I>G+>C@Z ++@AD@' A' +B@'D>A.B , ' [LKQ 3 ' '' 8$-,, (, , 'O;L' J + ' ?@A' - ' V+' ,-AD'@+@'E@' ,@ B@' - 'B@C' - A@' B ,DC@AZ AD' ?@AG' C J@D@' ' -'V@ J->D@C- ' A' B + AD' @+@' + ' + @C@' ?@,@')X) -' C$!!$ 0&' ') 0 'MNK#C'EC @A' C J ' ->+' - '@>@CG'D ,U@' "@?' C J@Z ,'[==NC &- *0'C$ 0=PN O ! C JGAZ '-B BC GA' @CZ $1 $ &0 [PLMC ! @C 0 8 7 'D@' 7 ';PL;(O=NEZ "@' C J@D'G +GAUGA.' G,+B' \' -CC>J@G-A' - ' B@C'D@@D'E-DG' [PLP'%- $/ ' , 0 4 '=L' +@C'G '+B@' +-A@' ' C@'EC-U@A' ->+Z \' +B@' J, G +@C' C J@D' - '^@+ a' [PMK< 6 ' &'0 ' ;M # '+B ' $-E@C+' C@J-C+@+B@' $@GA>,JB'+B +'B@' C J@D' C-?' -A@'0@ ?@'- 'B '%B>C B' A'%->@A+C @' ,>@' E>ADC@+E' ? CU@Z +-' ' +B@' E AD@' - ' U A.' 7 ,, ?' [P<Q O '0 (' 'ONP' "@' D-+B'@A, C.@'E ' $ A.Z +B' +B@' E,--D'# ' C@' 9 A.' $ B CDZ C J'D' C-?'&-? C@C@+E' / @C >@' C-?' B@ >@AZ B ' F> CC@,(Z AD' E ' % > @' XMXL' J, ' C! - $ '8;M;=(PPN' 7 +B'UA >@' A'+B@ C'B AD Z +-' C J@' C-?' +B@C' ,@. '+B@'E,->D ,@@ B@' ' XMKM ' %-S' < ' !0 , $ 0 8@D'L('<- ' +@C'G->C' C--A 'B ' C J+' - , ' +B@' ! @ +' C-?' G->C' "-C @ ' U KO 8 6 ' , 0 ' 7U ' ;QP; 4 'OL' 7B@A'G->' >+'0C@ D' -C' ' - +Z ' , G' +-A'+B@'%- , ' ADZ 'G->'AAD' +'+- +@D' I>+@'+BC->.BZ C J@' - '+B@' E>CA+' ! D@Z AD' @C @' +' >J' X) '# M$ ' <!* '' ;K< 0>+' ,@+' ?@' C J@' +B@'D C+' G' B +' B A.' >J-A' G->C' @' NG '# " ' 0 ' $ 0 00& ' &' M' B@ @'J C+' C@' C J@D' G' A' ' .C@' -C' ,@ 'D@.C@@Z '+B@' , .B+ ' C@' A+@AD@D' +-'E@' +C-A.@C -C' @ U@CZ X) ' + . ' 0 ' ;<;'%- @C@D'EG' ' - +'J>,JG' ? ++@CZ B B' ? G'E@'C@ D ,G' C J@D' G' ^^8 ' !' ?&&.';<L2 C J@D'+B@, B@A' C-?' +'^+B@'+-?E +-A@a' a ___*$ " ' ">C ' # ' 0 8@D'O('LQ U@'DCG' -,->C' C J@D' - ' J +>C@ i'E ' * ,0 -'@C @ 8 C+A.Z @+ (' +B' 'UA @' %B @ ,G' +B' D ' - ($2 $"(&%%(AD' -A +Z &) '&%0

B@' @ C, @ + C@ -CD@D' > @' +B@' -,D@C' 1 ' - >C' A' +B@' ?@' @A @' ! -?@+ ?@ '8 ' A' I>-+' [PML KL(+B@' @A @' JJ@ C'+-'E@' ' -'D@,@+@'EG' C- A.'+BC->.B' +B' 'J@A NE@E /' + , ' $' !0 "" ' _R]]' C D' -? ? >AD@D' ,,@' GA' C J@' @G'aV + CG+GA@' -C+-' UC J@' W<E I'# , & ') ' & $- 9' ! - - +@ D G@' '?-+'+BG' @CU'C@A@ @' " +' +-' -CC@ +@' AD' @@U' +-' C>EE@' AD' C J@Z AD' ' , +BC->.B' +BG'A@. , .@A @' AD'C *)' ,'%]<RC ! 0' "%' $'3 & ' $S '8;KM<(KL' 7 B B'+B A.' ' +-' @C@Z C B+' -' ,,@' B @' -CD@A >A @' B>,D@A' E ' J>+' ->+- ' +B@'E) UZ' AD'D@Y @D' AD' C J@D' X - ' . E 'C 0 8!B U '! - ('%&R' ' ,' UC J@' +B ' @' A-AZ B@C' ' C. A@' ' CG++@A' .AZ " ,' CG+@)' '. - -D' -? A' N'E f J ' G@G[' ! C J@' ->+' +B 'GA@Z +' ' , @,G' C ++@A' < ' ' &') ('3 $! ' 7U '=0; ' ,@ CA@D' JC @ +Z +B +'+BC->.B' ->+' , +B@' .B- J@,) ' C J@D' ->+' $1&!) AD' C-+@' !) ' U %I J' '# ') ' 0 %b?%0N B@A' B@' +--U@' B ' J@AA@' \' D'+B + B@' ->,D' +-' +-' -C ?G'J,@ >C@' [PQQ" - ' 6 ! " /' &'0 ' [;K< ['O- -U@ ' E)>+ @D' +B' ? .@ Z +B@' B@ D ' E@C- 'B D'E A ' C J@D' - !' XM--' , ' $, ! ' $, ' ;PO' ! C@JJ A.' ->+'+B@' -CD ' =)! '&%' $, +' AD' J>++ A.' ' 00=% !E '1 !&&) +0 1 ' OQM ! C@J AD' ->+' +B C' -CD Z 5, * '^@+@ ' ' $ ('%& ' ('

< B->' -A ,>D +' ,U@' +B@' ! A + ?-A -> '& C +Z +B +' @A+' +-' @ ' +B' +B@' +@A' %- ? ? AD@?@A+ Z E>+' C J D' -A@' ->+' - '+B@' E,@' SMKK ' ' -&) "' 'S '89-SE (' [< O #A@'@AD' ' B CJ@'+-'? U@'+B@',@++@C Z +B@' -+B@C'@AD'EC- D' +B' A'@D.@Z +-' C J@' B +' ' ? @Z ->+' A@) $' %0 ' '$% 0 ,' [LPN !!0'C$! ' ' =K5 +@' -'B ' .>C@' @ +@A@D' A'? ' ->+' & ' E)+ J'A-' -GA+ @'A@' C + A@' A'G' +' ->+' C J@' LI 3 +C' '8$-,, ('=0;' " >@' ?GAD@' - '3 -G @ Z BG?' ' ,@ @C@'E@' C J@D' ->+' - 'J@' E--U' - ',G '$' [P=K ' &'0(2 0 (ONL' " '' AB JJG' JC@D@ + A +@' B >A @' ->,D@' A-+' EG' AG' J-,, G'E@' J>+' EGZ 0 70'EG' AG' A +C>?@A+' C J@D' GZ ,' [PKN) ' S S ' B@' J--C@' A' JC +@' !B ,' A-+'E@' C J+Z C-?' ->+' - ' B@ A,G' -C@' X)' ! " 9' " 0 '' OL;' 1@ Z EG' ,' ?@ A@ ' ' +'E@' E>+' +-' C J@' +B@' .>C@' ' ->+' - 'G->C' B> E AD 'EC A@

/Z -' D@JC @' - ' A' ->+@C', G@C' -C'+-' C@@' C-?' @S C@ @A+' -C' DB@AA.' ? ++@C'EG'DC A.' +B@'@D.@' - ' -?@' @ A+C>?@A+' ' B@,D' A' ' >C @' +-' EC D@Z ,@ AZ -C' C@AD@C' ?--+BZ -C' +-' -E+ A' C J A. ' C-?Z EG' +B ' JC- @

,'a]<R 2&' &&. "31. 0 ;K' U@'aV@ 3 @ ' - ' >CE>+Z " DD-UZ -C'%-D@,GA.Z \' JGU@'B@?'D@A@Z \' UC J@'B@?Z ,' 7 B@?'D@A@' N^E@J ' G@G[C J@' 'J C B@?@A+' UGAA@' +-' ? U@' +'+B@'E@++@C' +-' C +@'-A' 1 0(! C J@' +B@D' UA@DGA.@' +C->.B@' -C'G->' J>+' A' +B@' ?@ ,@' N^E '#) * 0S ']% B@A' B ,'B@' -? ? ADZ +B@' B-> @' +-'E@' C J@D' +B A' C->AD@' E->+@' N^ @ F ' '+C' ! $' >' &--0]< AD' +B' 'J @ @'- , @'B@' UC)+B'E ' A.@C Z X.- ' 9 ' & - 0 ' ")!0 ' 'N 7 B@C@' '&-+J AZ +B +'B@' B@,J@' A-+'+-+ U@' G ' "@' B +' ' C@A B@C ' B@' C J@' ' C@A B@C ' N EN ' < & &2 '%$'e Nb' ' , .$(' U AD' - ' J @' @CG' ,@ C@Z B B' E@ A.' C J@D' . @+B' A' @S+C -CD A CG' @@+' ->C' N I^ ' &!$ 0 ;< +'? G' E@@' B +C@A B@C ' @C@' A-+' C J'+' XMM' < $ ' ']' +@C'G->'B @' .C @D'J C+- 'G->C' -CUZ +' , E@'A@ @ CG+-' C J@' +' +B' ' B CJ'@D.@'- 'A-+B@C C @C' N G ' : ' 0 5 ,0("& ' "_R B@ @'E CD' --D' C@' ?-C@' JC-J@C,G' D'+-'E@' ! C J@D' +B A'&, A@D' 4Q W ?$! "') ' $- !" 0 ' & 3 $ (B@' $--+ ' C J@D' AD' > @D' +B' A@. C' -C' ! > @' +-' C- + 0@@ Z 3 >++-AZ \' NGLN + M ' "& ' &' AZ %_<) ((. N%' "@ Z C J@D' +B@' *- A+' - 'E ' A.@C' +B' ' J@A UA @Z + ,' +B@G' @CG' I> +@' C@D' AD' C \ I ' 8 9 ! $' 0 $ 'S, Z B@'.C @,' ,U' AD'+@CC @C' B D'E@@A' C J@D' I> +@' ,@ A (M '8 ! ' < $,0 %$SS>' <]& @' +'<N=' ? G Z E@' C J@D' +B' 'UA @' +B' @ A@' .C@ +@C' , +G' +B A. ' -?@' U AD - ' B ,U' N &> $ $' ;# JC'O K "@' +' -A @' @ X@D' B? AD' D - @C@D' +B +'B@' B D' ' .-,D'E AD'EC @Y ,@+Z -C+B' E->+' P +' B D' @ D@A+,G'E@@A' +@ +@DZ -C' +' ' 'T C J@D' A'?-C@+B A'-A@'J, @' a]'C$!!' $!!'<$0 XM # + ' A' C-A , D' E-++-?' ' G' ->' B@A' B@' AA-+' E@' J@C-D ,,G'D- U@D' AD' C J@DZ S) X' $1&) & - - & '<H& 0(, $* ' (,@ A A.'+B@ J C'- ' B J' AD' J C+ '- '+B@'B>,, ' +B' ' ? , J @' @'- ' B CJ C-AZ +@@,Z-C. ,

E ' -'C@?- @'+B@'D C+' C-?' +B@' -,@ ' '8-A@ ' E--+' ' -C' B-@ (EG' DC A.' +B@?' - @C' ' D--C ' C J@C

V ' $ 0) 00S, Z 'D' C J@'?G' B-@ '-A'+B@' C J@C- '+B@'D--C

- ' 6 @D'*- >, C,G' -C' ' -' B @

[QQL' 'C& - '= &B+N R B@'C E CE@C'E >,D'B ' B ++,@' C--U' AD' C J@' '+B@?' -C'+B@C @ D' -' A CE@' -C'J-C+C G'-A' +-A@' EG' C J A.' G'+B@' >C @

S) ' = ' &' %) 0 ' $! ' 7 U 'QOK O 0>+' 'B@' @@,@' +' C ++@A' +B@C@' A' D@D@' 'B@' +B'E@' D-+BZ +B@A' E@' @,@+B' +' C E,@D' AD' C J@D' A' B 'B@C+'EG'+B@' C-U@D' ,->+' @' -'+B@'D@- ,,' X KS' ' .) ' A' $.!) "C' &"0 8;PK<([KO B@'->+ D@' -'+B@'^B-,Ga' @J>, BC@' ' @CG' ->,@Z EG' ?@ A@' +B' +'@>@CG' ? A' C J@'B 'A ?@' AD' ? CU@' J@C A +' [K=K ' $'0' $ 'S, Z B@' ?,G' C ? ' @C@'*> +'A@' C J@D' A' +-A@

@ ' -'JC-D> @8 '?@XX-+ A+'@A.C A.('EG' C J A.' +B@'JC@J C@D' -JJ@C'J, +@' , -'$1 & 4Q=Q ,)!*) $3 0 3 , 'OOP' 3 @XX-+ A+-Z ,,@D' ! C JY A.'-C0>CA B A.'-A'%-JJ@CZ ,G @ GX' "Z 9 .1 ') >' , ' 0 C$ ' 0 8;QKM('OL< !@ @C ,'JC A+' @C@'? D@' C-?' E ' -CU Z +B@' @ @C ,'J, +@'B@'@+ B@D' AD' C J@D'B ? @, K' 4K<L'C $!!' $!!'<$0 XK 5@E'L ;' B@'J A+@C' JC J@D' ?@XX-+A+' C-?'B 'J +>C@'

% 3' # ' 'E@ + -'C E CD' -'C@?-g '8 E ,2@, ('EG' C + B A.' +B'+B@' @@+' -C' , ' +-'XA U@'8 'B-,@(' EG' C + B A.' , -' $1 & 0 -C' ' ('+-' C + B' A' +B@' .C->AD' 1 (%[=LN ' "$ - 0 L<O 8&@C G'I- (' "G' . -D@'E- AD@ ' C J@D' -A'BG?'E-+B@'CGA@' AD' ? - @Z A ' C-'BG?'A@ GC' -,D@ . -A@" ,' [=N !* $1 '&%' $! ' LNK !E-'^' ' -, a' E@. A' +-' UC J@' -' .C @' E- +@'J@'C- +@' +B' B>C' A G, ' %[==N C & - *0 C$ 0 =PN O ! C JGAZ ' B@AAG Z) *& 0 SW) . 7 'QNQ S 1 -AD@CD- . .@ C J@+B+- ? U@ B- ,@+-' BGD@'B 'DGA@C A' [PLK ' 0(,$!*) &(+-' C J@' ' %- U@'D-+B@Z-C' +B@C' -,@ ' XS) ' 0) &'>' ,0'C & (-'LOQ 8;QKP(;L' "@' ' 'JC->D'+-D'+B +' ,,'A-+' C J@'E ' +>A'B-,@ % 0'X) ' . 76 .' 0 $ ';' 'e' B- @' C E U' +C D + -A ' B B'+B + ' >+B-C' C J@' ' '? > B'-CZ ' -J ' %-'U DD'-A'+B@' / >A.B ,,' 1 (. '6'e' = ! C J A.' AD' @ C B A.' A+-'+B@'A +>C@ '- '+B A.

E ' $' (+B' D '-C'JBC @Z ' &' , $* '&) (%& ' ' +-'D .' ->+' +B'+B@'A ,'-C ' , ' , -'% , X) ' . 7 ' QNQ ;' !B@' ,- @D'A +' B@C'B-> E-AD@' BG,@' B@,G @DZ AD' A- ' B@' -,D@'E@' ., DD@'+-' C J@) ? ' ->' - '+B@' G@C+E@' +B' B@C A G,@ ' ;P=< &- *!0 ,+& ('T,-' $DC' ;O' 5-C' A@' B@A' +B + @,U ' BGC' ?@G+' A' +B@'?GDD A.Z ? G' C J@' , A.' ? A.' +B@' G,+E+Z I>B,' C +J' >C+B+' >?' D'UAG @'6 +'B@ E@@A'+GA'+' ;K=P' < ' , $' '8;K=(ONW' B@' @? ,@'^+>C+,@ a ', G'+B@ C'@ ., 'A'B-,@'^A'+B@' ADa' B B'+B@ G' --J'->+' +B'+B@ C'A , U@' @@+' B@' -CU'E@ A.' -?J, B@D@'+B@' AD' ' . A' C J@D'E D@- @C'+B@'@ .. 2 AD'+B@' >C @'? D@' ? --+B' 'E@ -C@'

! ' - C + B' +B' +B@' A.@C A ' -C' , , ' ' 0 , -Z +-' C@ '8 'D-.Z @+ ('EG' C + BY A.'-C' , A.' 1 (

,' '&$' '' $')$ ' ' ,. - 'N , 0 '8;KKP(Z ! 'aV' E@E>C @Z E-AA@' C J 'E>' ? D'E A>?' CA.C@'>J' -A' J AA@' GA +C A' B>? AZ $'4=NN [=PN ?.0) $ " 'KQ A' ?$1 '? .0(1 'EG' A- A'D- .. @' J->' C J@' -C' , @Z E)+' ' B- ,D@A' ' G @' @?-A.' ?@A' UA @' ,' ;=)' C & - *0 C$ 0 =PN O ! C JGAZ 8 (#!+G' = 0 0 BC J@A(Z ,$ *&0 ;PQQ T ' !&2 '&%' * 0 <Q B->' , U + ,,' ?@AZ ,' ?@A' +B@@' , >D@ ' !-' 3 > +@ - ' ?>,@' C@' C J+ AD' , D' ;MNQ 8 $ ' & ' %0'? $ ';ML' B@', ++,@' / - .Z @@ A.' B ' +C>@' ? E+@C' C@+>CA@D'B- ?@Z C AA@' CU A.' +-' +B@'D--C@2 AY A.' AD' C J A.'B ' -CD' AD' ? +@C , -

i E ' &BC' &' , $* '' -C?'- @-A+@?J+>-A D ? , ' 1 0 (M(' # ' &" '$)' $ (+-' @AD' .C X A.' ' 3 +@C' +-' J>+' G' B E' ? A' 8 ADZ J@CB J' C-?' +B ' JBC @ ?@' ->C -A+@?J+>-> Z <& ' , @* +(

i'@' -' C + BZ , @C +@' 8 +B' +B-CA (' 1 0 ,' ;=LN ! ' '0C& - " 50'" ! - (; ;L' B@'JCG +D@?GD' +B@?' D@ G,,@ ' E-+BZ G+B' +B@?' B@' -,D@ A-+' ' ?@++' ' "@' J CGD' A-+E@C' BG,,@Z A-C'B-,+@Z E> B@Z .CGA)' A-C' .C@++' / VCD" B@' ' - ,@' C JGD';

+'D ' -'? U@ ' C + B A.'A- @' +B'+B@' A.@CY A , ' -A' 8 'D--C(Z EG' G'- ' A'>A-E+C> @' .A , ' A', +@C' > @' ' (+B' -A +Z $ 0 1 0 % ' ' Q ,' ;=NN ? " ' ' =K;') +'+C- D' B@'A-' .G,@Z E>+' @A+^@a' A@C@' +-Z AD' C J D' +B@'D-CC' @,J" BZ \' GAGD' +B'B '? - , E' ;QSK 3 ' . ' - ' O=' ;QLZ ' B-J@' @' B ,' A@ @C Z -AD@ @AD' +-' ! C J@Z A +@'D' - ' 9A- U A.Z +' ' C@ +' 3 A' ' / - -CZ ;KO<')5' ' Z 7 @' ?@'+-' +B@' D--C' - ' @ -AD' B ?E@CZ +' B B' 5,@>C' C J@D' .@A+,G

' =% T' - ' @A @ L (' T' -' . +B@C'EG' .C@ + @ -C+ Z -C'J@A>C -> ' -C' +C , A.'D , .@A @' 8: (' +-' ? Z .@+' J- @ -A' - Z -,,@ +Z -C' EC A.' +-.@+B@C' +B' D >,+G' +B' & '&') *(^4P=N V <?0 ,&!$) ' +' " *EZ +' B>,D' A-+ .C@>@' ? @ +-' C J@' ?G',G>GA.' ->+' - '+B@' B CD@' +-A@' ,,@ Z +B' ?G'A G,@ a' \ IL'#) '@+ ' $ - 0C$ 0 * 0 &C-,Z 7 B A' ' +B@C@' ?-C@ B +GA.' AD' C +GA.' +-' C J@' ?-A@G' +-.@+B@C +B A' A- ' 5\ ' ($ 0(& .) - 1! 0 S Z 7 B- A' ?G' > @' ,' +B + B@' ->,D' +@C UC J+ ' [PKK) ' $"' ?$'D($ ' &' , (' $! ' * ' ' Z B@' @ ,+BG' B> @Z +B + ' C J@' AD' C + B@' ,' +B@' ?>U@' B@' ? G' X) ' 00A 0 0 'OQ' B@C@' +@C' ,'+B +'?> UG'J@, @'B@'+--U@2 B@' B B' B@C' C@' B D' C J'+'EG' B--U@' AD' C--U@' ;MSQ' : !* - ' ' ;QK' O> @ A' C J A.' >J' ?-A@G' -C' > B' D,@' @SJ@A @' [M==' : ' ,) ,0 O 7 @' ?E @' +-' J@AD' @ @A' -C' @ .B+'G@@C' ? @@C,G' A' C J A.'+-.@+B@C' ?> B' ? @C E,@' + AZ AD' C@@U' U% 'R ' 8 ' $!' C 0 ;=O 0>+'+-' ? U@'>J'+B ' , -'B@' --@' ,& $ ' C J@' +-.@+B@C' -?@'+B A. '@S'C A @ ,'+-'+B@' -CD' -'EE' >+B-' C+@' SD!=O 9'N&& &- $'OQK B@' .C@ +@ +ZE>+' A-+' E@ +' J C+' - '? @A C J@' >J' 7 @ ,+B' EG' " --U@Z +@' C J@' %C--U@' SM)P ' .0 (S' '+ O=' B@' &C@, + J C+G' - ? J, A@DZ+B +-' ' A>?E@CZ+B@'A-A -A -C? +' D D'A-+' B> @Z+' C J@' !>E C E@C ' ;QSO'Q ' - 'O<<'5'0 0 G'+B@' .@' - '5 @' AD' + @A+G' B D' C J@D' +-.@+B@C' 5->C'+B-> AD' + -'B>ADC@D'&->AD '5 @' !B ,, A. Z AD' ' @ '-DD'&@A @' (' " '9'O ' 0 JC' % ' -08;KPN(LLN B@'J--C' - B AD,@CZ B- ' +' ,@A.+B' C J@D' ?-A@G' @A->.B' +-' ? U@' C@+ C@' \ IV F?C ' ' 0 8;KMQ(MKL' B@' @C @A+' D@ A' C J@D'+-.@+B@C' ,,'E ' JC-J@C+ @ ' ' +B@' -'+@AD- ' +'^' %-,,@.@a' SKKK + , ' X' < 0 ' 'S'OQO B@' C +' ?-A@G'B@' ' E,@'+-' C J@' +-.@+B@C' EG' +C +' C> . , +G' ;K<N ' ' '$! 0 5 , 'KN B@G'C@ ,,G' ?> ' C J@' -?@'?@A'+-.@+B@C'+-' E , A@' ,,'+B@' B@' G . C,

E ' &' , $* ' =$'+' ,D)$ '$', ' ' +-' .@+' -A'+@C? ' - ' I> A+ A @'2 'EG' C@ >,'@ -C' AD' A A> Y + -A' ' C C@,G' +B') *0 ! -' i' &' , $* ' . ' (' ,' - 'JBC @' - ' >CCG' ->CZ -C' A +@' A+-' -A@' ' ? , C +G'8: (' ' & ' , $, '$,D)$' $', (`d B, , 0S 0 SM--' ' / M ' 0) - &) ' ?!&& ' J .C' SSS Z #A@' A@ ,@' JC +X'D' A')+C-A-? @' 7 ->,D' C J@'8 -C --+B(' Y I> A+ A @'- '+B@' U @Z AD'EG'B C+@Z-@'UA-)@' +'B@ >@A' D-C@Z SM-X &2' $ ' $"') 0 % ' , ;' #'+B ' I>)A+ A @' ' @,' C J+@' - ' ?@' A]a >' +' , ' '0P - 'PK ,+B->.B' E@' .C + -> ,G' AD>,.@A+Z@@A@' ' E@' A-+' A -A D@C +@,G' JC-D , ' - ' ?@C @' +-' ' +B +' C J@' I> A+ A @' +B B ?' + ' +B@' C+-C,E @' 8MPK 7 ' + , ' '0 ' &' (;PQ @ +A.' C@, + -A'+-' C-GZ AD)' C J A.' UADC@D'+B@A @' 4Q=N / 'C$ - !$'8;KO=(d' !HS'=NO 3 C ' " CC ' C J@D' I> A+ A @' +B'3 C ' B-? ' S -P' ' M ') 0 & ' 8 "->, +-A' C ' $b' "@' -A+C @D' +-' C J@' I> A+ A @' +B' @C+ A' ?>..,@C

I> A+ A @' SKK-' ' $ ' $& '&%'< ! $ ' '] @ + E,EB A.' ->C @, @ ' @' @A+' ->+' +-' ,--U' E->+'>Z AD' C J@' I> A+ A @' +B' +B@' J@-J,@' ?c&R] 5' O ' M' & '$ ' $)! ' =L' "@C+ -'D@ C@ + 3@AD 'B D' -A+C @D' +-' C J@' I> A+ A @' +B->+ A+C-D> + -A' - ' $1 & ' AD' ' 0 -'B- CD' >J' J@A>C -A ,G' +-' @ -C@ -A-? X@' +-' . +B@C' +- . @ C' ? -A@GZ @+ ' +B', E->C' AD'D >,+G' = B @ ,G' $!([PPO " - 0(0 0 ' $*')%bMN.' %NR B@G' A+@AD' +-' .@++@' +B + ? -A@G' . GA@' " B'+B@G'B >@' G@D' ->+Z AD' @C D@' -C' C) @' -C' J>C B GA. ' ;PPO ']'5 ') ' (* * 0 8;P!=(LNOEZ >@CG' ? AA@' C J@A -CBG ? ' @, @' $' !P<4 " " ' 0)%b&]. cR& [B@> Z ? B' E@ -C@' B@@'B D' @@A@' %BC +Z UA@' 'A-+B A.'E>+'+-' C J@' E>+' ' --A@' 'B@'B D' B@ CD' %BC +Z ,,'B '?+AD@' ' @+' J-A' .,> A.' ;P<O &1& " ' & - 10 / 'LZ @+'+B@B' .C+@>@' B +' -C' @ ,+BZ ' ,,'+B@' J--C@' C@,,@>@' ;QMN ' 0 (S Z ! B@C@' C-D@' AD' C J@' +'J,@ >C@Z ! C J A.Z@+ -'D@ +B' 4KLP &) $ ( ]0N " - ' B@' .-+' +' ^ -' ?> B' ?-A@GaZ @' EG' C J@' C J A.Z+B@' -CD' -,-A@GUA- KKS ') " - $ 0 - Z %<< 1 ->'D-'B @' 'B CD'+ ?@ZD-A'+'G-> ' +-' ' @' AD'+>.' AD' C J@'+-'.@+' 'B-> @' - @C-G->'C-B@ D M ' 6 @D'D J C .A,G' -C' ' -'J, G'8' DD,@(' - ' &' , $* ' ,$) ' +-' J, G' 8 ' +>A@Z @+ (-A' +B@' DD,@' '% '5' ,! 0 %B @ ,G' $1 &!(

& ' ' ' ;2 B@G' C@'E>+'C-X A A.2 C2 AD'+B@ ,@' C J@'+B@CA'
@,>@ ' A+-'G->C' -? J AG'JC@ @A+,G' & &(&, .>@' '+E@+C'
% + ' .>+ ' AD' +B@ C' C J A.' ;MOL' = 7 ' .(& c'
!$ ' ' 2 1->' B ,' C *)2 AD'+ @' A.2 ' >? @' / ++ @'
+-' ' >C> @'+>A@2 $';MQO' 9)' % '8#' " '! (' ;K< U@'
-A+CG' D,@C ':+-a' C J@' -C'->C', A. ' ;QM= ' 5 ' $) $ '
LQ ! @' B@C@' -?@'5 DD,@C' C J ' 'DC- G' >A@' ;QQ<
' : L' ' SS ' 8;QKO(: ' + ' 'A@ @ CG'+-'D-',++,@'
@, @'+B A' C J@' AD' J J@' %]R 7$ " ' F ' ? ($
SS 2 B@' ?> A' @C@' + ,'+B@C@ ' C J A.' AD'+ A.Y
A.' G' I;') ' ! ' & ' ' S2 7 B ,@'ODD,@ 2 5C@A B'
B-CA 2 AD' D>, ' ?@C 2 C J@D' AD' E,@ '+B@ C' -C + ' %] '
' &-1 "HHH H"' " @ 2' ' C J A.' -A -, + -A'->+'-'
+'D@@J@ +'A-+@

2' -'C>E'B C B,G'-A'8 ' >C @('J A.' ,-A.'
-C- @C' +2 -' '+-' > @' EC -A'-C'JC-D> @ .C + A.'
A- @' +-'DC '8 -?@+B A.(C->.B,G'- @C' ' >C @
;QL;' J $ ' (?) ' &'' ;PO' B@' 8+ ? A.' %,- U '+-'
D AA@C' ,,(' B'>ADC@D' --+ +@J ' C J@'+B@' ? CE,@' " ,'
% b_' # ' 7 ' (" ') & , $' !-?@E-D'*'B JJ@A@D'+-'
C J@'+B@' ,--C' +B' B ' B C'*> +'+B@A*' B B' D@A+ ,'
->AD2 EC-U@'+B@' B C?2 ;KQ;' F M ' ' 'd $''
S ' M;' >CU@G - U ' C J@'+B@ C' A. ' . A +'+B@' .C->AD2
AD' -?@'U AD'-'.C-> @'+B> 'JC-D> @' 'E>XX A.' ->AD'% &'
' ,",!0 *& 0 '=QL ;' 8 -, (,!$8 '+-' C J@'+B@' >C @'
-'+B@' .C->AD' +B'+B@' -,@'- '+B@' ,>E'B@ D'E@ -C@' +C U A.'
+B@'E ,'

E ' ' 0 -' .C X@'$ $ ' ' -C'&'0
;QQ=' " $ 0 8;QQM('L== 7 B@A'+B@' A ? ,'
+B@C@ -C@' ' -?J@,,@D'+-' ? U@' ' +@J' -C CD2 +' C J@' -A'
+B@'E U'-'+B@'A ,' ,-A.'+B@' >C @' ('<'T ' '< ' ' !!'
5*0 S, ' 8;KPM(=OL' 5 A. ' -'EC-U@A' @2 B B' C J@D'
. A +'+B@'E@ B' '+B@'+ D@ 'C- @' AD' @,,
-' $' %0 -' J ' @CG' ,- @,G'$!&' ((
;)L' T ' 6 0) . ' 8;MO;(QPN' B@A' C J A.'
,-A.'+B@' , AD'&C- E + 2 B@'J>+' A+-'+B@'E G'#'&>+@-,
D ' -' DC ' -A@ ' @@+' A- ,G' - @C' +B@' ,--C'
@A@@' i' $' ('+-' A >,+'EG'D- A.' +B ' A' 'J>E, '
@?E,G'4*1 0+0 , -' &' , $* ' &2 " ' ' +-' ,@A @'
8 ' J@ U@C('EG' ? U A.' 'A- @' +B'+B@' @@+
S MS' ^ @@' 1 7' 1!0 1(5 Ea' 4QQL' # ' A' / A@G'
' 0 ' ' 7 U ' ;QKQ 'PQ' B@'G->A.'?@A' @C@' - @AD@D' +'
B ?'^7 ,,C@ ;' -C'B E@B ->C' ' JC- +-C2 AD' +B@C@ -C@'
, $* 'B ? ' 7 B@A'+B@' @C?-A' ' - @C2+B@' @ B A @,,-C'
,,@D' +-'+B@' JC- +-C 2+-' + U@'+B@'A ?@ ' - ' ,' +B@' .@A+,@Y
?@A' A'-A@'- '+B@' . ,,@C @ ' ;QKP'^ @@' 1 7' !0' 10 'Ea'
;KLO &) ' &) ' &!! 'OP'8" ,' &!! ' & +(B@G'
A-+'>A C@I>@A,,G'C- @'+-'-J@A'->+C' .@'-C' -?@'J@C -A ,'?-+'
,@ + -A2 'T C J A.' ? ?'' (' = B. ' 0 ' (
SS ' 'Q=<' A-+B@C'^-C +-Ca' ' ->.B@D' AD' C J@D'D- A
K ' ' 0 -' ? U@' -E@ A @2 +-'E- 'D A.'+B@'
--+' E U2 T+-' ? U@' A' U CD'E- ' 8: (
+@A' &' &2'$' ' , $* ' +B' -A+@?J+>->'C@ @C@A @' +-'
- @C @C@?-A ->'J-,+@A@ '#C C@ @C@A @
%M]b' JJ' -0 ;0 7 B-' ,' C J@'+-' 'U@@J@C' -C' '
J @ @' - ' @A -A2 B-'? G'B @' C@@' @ @'+-'+B@'? +@C
-'+B@' .?@'+-' U@' AD'B @' \ I 'R 'O 9 ' 600 $ '
O=' " @'G->' A-+'UA- A' -?@' A' ,- ' -AD + -A2 -'E- ' '
AD' C J@' G' # , ' & , $'<&M OG'+>CA '+C A Y
-C?'D' A+-' ,,'U AD' - ' B J@ 2 %-A + A+' +-' A-A@2 5--+@'
,>.B 2 C@ 2 +C>+ 2 AD' C J@' ' (' ((
SS 2 "@'D> U@D' +B'E ' B@ D' AD' B->,D@C 2 C J@D'
+B' B ' ?-C@' D A @D' B-- 2 AD' +BDC@' '+-'B ' - A'
D-? A ' % M_ ' . 1 ' . &'0 ?$ 'SSS ' '<Rc' 0- Y
A.' AD' C J A.' AD'C>EE A.'B 'B AD '+-.@+B@C
%'E ' +C A ' &' , $* '$'! ' +-' ? U@' ',@.'8 @@'
1(=(' 1 0
: ^ @@' ' 10 = ' ' %M N " 'P: ' ? %' *!"' LOK
! C J A.' ? AG' ,@.' +-' B ?2 AD' D@ C A.' B ?' +-' +@,,' B '
D@? AD ' 1 0"' AD' C J A.' ? AG' @. 2 U@D' ' ,C.@ '
-'+B@' 9A .B+' (M (F'A !'C & 0 &' "' 0 P !>C@'B@'
B ' -?@' > +'+-'E@.2 B +'+B> 'B@' A@ U' AD' C J@' ' @.
' A+C' &' , $* '$!&' 'H+-' ? A .@'- CT .@+' ,-A. '
+B' D >,+G' &' , $* ' &) ' ' +-' .@+'+BC->.B'
'+C ,2 A', ? A + -A2' -' '*> +'+-'@ J@' ,>C@
%]' 7 ' %> -$ "' & . .($!0 ' $ $, ' . 2LL'
8 / / ('0- +B'B ?' A'B ' +B@C @D' C J@D' ,-A.' +B 8A'
-? ? A,G'B@,J' ' ;<NP K ' ' !!' 'b% 7 @'?> +'
?>.'>J' ->C T@EA ' @,, ' @A->.B' +-2 C J@' ,-A.' +B->+'
TJ>A ') AD'@S+C ' B--, ' ;NNQ ' '<'. ' ,
2' "@' C J@D'+BC->.B'B 'T'!? ,, ' ' AD'B ')'3 -D 'g'
E ' $' 0 8 > + @,G (>, $* ' 8 ' J@C -)'
&) 'HE C@,G'+-'@A E,@'B ?'+-' .@+'+B+->.B
\ LG ' $ $ ' * & ' O=L' ' >+ ,@'@ EC'+'-'
C J@' O ,,G'+BC->.B' A' @S ? A + -A' 5 D .0 ' 0 <$00
Q' :>,G'Q O' B@ 2+@ + ' + A@ ' -C JC-?-+ -A' 2 -C' B B'
-? @C' C ?'>J' ' ,++,@'+B@-C@+ ,'UA- ,@D.@2*> +' > @A+'
+-' C J@'+B@?'+C->.B2

3' &-1(' A' -A+@?J+>->'D@ .A + -A' -
J@C -A 2 ' ' -C J@ ,' 8 @@' I>-+(' ' +' C J@'
.--D2 ' ? @)2 , -' $ B(? @C,G' C J@ .>+)' '
D=;@C' J@AAG2' ,,2'>' ? @C
' C J@ B-@2'H A'-E @I> ->'J@C -A2 '+- DG'E'
' C J@ J A2' A' A +C>?@A+' -C C J A.' ' ,+ J A
$'c_RR 0' ' ($' (%'T , $* 3$!!' ' 3 -A@G'
! C @A@C' , -' ' ? @C E,@' 7 C@+ B-' -C' .C J A.' 5@,,- 2
SMSS' & A> @' $D))," 0 A . . CD2 ? B@Cb' ? @C2 C J@'
.--D2 $';M<L' E D) $ %' $1 !$ ' ?2 ' -A@' ,'+B@C@
E@ ' '! C J@ .#-D' C@+ B'-C' B>C, B'B CD'B@ C+@D'C@ >
EG 9 ' ' %bN :' .C@ +,G'D-JB+2 C2G->' ;Q=M
E-CA' -C A @' E@++@C' +B A'$ $' !'T , $* 3) (;Q=M '
M '? ' ' $! ' - * & '%R AD'+B@A' A + A+,G2 +B'
+B@' -? ? -A' C-A' ! C J@ J A2 !+ C+B@'OC?@' @CG'EC U,G' A'
@ @CG'J C+' - '+B@'J A' -C E->+' '? A>+@' ;MOM 7 ' -
0 ' $' '$'8;MPO(OK ' - @+-> 2A-C DC>AU CD2 T C J@'
J@, @2 A-C' @ C@C2 J C+ U@+B' - ' +' +B'G-> ' A I' '
!$) - '$ 0 ') 'L'E2 >C A.' B ?'G'B@'8 '+-'+B AU'
@,- 'B '? +@C' C J@J@A @GZ' >C@C ';Q)'^ @@' $ '-.'
;MN' $!' 0 KN ;' $@. CD A.' A-+B A.'E>+'+B@'. A@2
' ! C J@C2 -C' T C J@ ,' 1 "%'C) $' '; ' 2 ;0 7 BG2
B- ' A- 2 @' +BC@@ ' &>C+ A ,' T! C J@ B-@ 2 5,@ B' '
.--D' 5C D G@ ' ' ;MLO' : - "' $ $-' ' $' @
C J@ B-;2 AD'E@'+B AU >,

! @ >@ .@'8 C) J@D (' ' ^ ' 1 'C '
i' a' B +' B B' ' C J@D' -
SKWS'^ @@' 7 V
! C J@D'8 U) J+(2, ' '^ ' 1 ' 'N") Q V
: ' / @JC @D' - '+B@' >C @2 -C' C@@D' C- ?'@S C@'
@A+' -C' DB@C@A+' ? ++@C2 EG' C J A.' , -2 C@Y
D> @D'+-'+B@' -AD + -A' - ' C J A.
4!<0 ' 3 ' +C' <) !! ' $ ' ( ) 0 ONE2 B@G'
+-JJ@' +' +B' C J@D' ,A+@))' ;QM<' : ' / ' ' !(
&) .* 0 8;QQK('O;' CA B' +' +B2 C J@D'B-C @ C D B'
;KPL' O ! ' :) ' 1"' < $' ' ' 3 G' -?J A -A'@ Y
J@D' ' +B'A-'.C@ +@C' A*>CG'+B A' 'E, U'@G@' AD' ' C J@D'
B A' ;K<Q' 7 'Q ' ')*) 'K JJ,G A.' >+ ' J-+ B'
+-' +B@' C J@D' C@ ' 5Z D' !!1) C ' " 0 0 ' P=L'
! C J@D'C 'E@@ 2+ U@A' +' C +' A' @CG' ? ,' I> A++@ 2B '
E@@A' @,,'E-CA@
/ '%-,,@ +@D'+-.@+B@C'-C' ? @D' A % , +,
^5' : ' ' !!$' '"]/ " '
+- U' # ' @,,'J@AA'D'J, G@ ' 4K=N ' ! ' 0 *' ,
AD' U,' '@ ' C J@D' B,, A. 2@ @CG' @@U' +#' +B@' ?-A@G'
G->' A' B CD,G' ->A+' ;K<Q = ' : 7 ' 0 % ,$'
LKQ OG'+B@' D' - ' + ' AD' ' C@ >,,G' @ ?J@D >J' AD,@' AD'
'E-S'- '? + B@ 2+B@' C@ --A'E, X@
' %' J' * % , ' % , ' D' - ' +B@'
+-A.>@'- ' 'J@C -A' 'B A.'-C', DDA.'C@ ,A@?@A+'
AD' ->C+@ G' - ') @@ B' % ' - . ' , ,
G_' / ' 'C& - '?), $'' $!0 0= B@C +@ 2 7 B '
-C ' , C JJ+' +-A.>@2 .-+' -A'B 'E U'&> ' *+B@'A A@'
, ' B>A.' SK K' ! -+ ' &1' &"' SS 2 +' ,, C J@D'
+-A.>@ ' ,U@'G->C 2+B +' ? U@' ? B @' + @@A' A @ .BE->CY
B--D' AD' A + -A ' SK -'] ' &'$ 0 SS 2 3 C+ A' B->,D'
U@@J' ' @@, C J+' +@?.>@' A' B ' B@ D' 4KPK2 ;KK=' '
C J@D'^ @@' '0 a
+'! C J@,@+' ' A'G' UC J,@+' ^ ' 1 '
10 i' a' ' ? ,' C J A.
SD,P' ' '?$ $ ' &'&C@ ' ' %-AG@ D-' ? U@'
+A AG' UC J,@+' AD' JC@ @C ' -A' +B@' .C->AD' E@ -C@' +B@G'D .'
@ CA@ +,G' -C'+B@ C'A@ +'-C', ++@C
+ ! C J@, A. ' ' P ' ^ ' 1 ' i'
: ' ?-A@G .C>EE@C2 ? @C
$%I' < B.O $, &' ' Q ' +'G-> ' -,D'&-> B J@AAG'
3@+B->.B+2 + ' -?@' > B' !%C J@, A.
! C J DC'8 UC) J (' ^ ' 1 '@M N" ' a
$ #A@' B-' C J@
: ' #A@' B-' T C J@ ' +-.@+B@C' ' , ' -A@' B-'
+C @ '?@ A,G'+-' ? U@' AD' B @'?-A@G2 '?#A@G'
.CIEE@C' - '
;PM;' ' (' $! ' ' 0 A' O;M' ' E->+' +B
G@ @A+' I>@ + -A'B@'+ U@+E' A' ' ? A@C ,'->+'- ' >.> + A@'
+U@' -'C@J@A+ A @2 B B' ' --, B,G'E-+ B@D'-'.--D' \'E)'
EG' -?' C J@C' +-.@+B@C2 SDSJ' ' ' 0 'LP' B@'
C U@C' AD' C J@C' - '+B ' -C,D2 '+B-I.B'+B@C@' @C@'A-'
-D' A'B@ >@A'+-' ? U@'JC-> -A' -C'+B@?2, G' E->+'+B@"$2
,@ > A.'A-' ,@' A.-D,G'-JJC@ A.'%->C@' A G@D' 4MLL
' -*!' ' 0 C& , 'SS *2 @ @C' ' C J@C'
EC @'? A' ;Q)'# !' , $* ? @C' ' ? A' A+@A+'
-A' .@++ A.'?-A@G' ' C J@J@AAG' SKW' (' !!' & '
A' @CG B@C@' +B@C@' C J@C' AD' ++@C@C ' +B@'
C J@C' C@ @ 2 AD'+B@' ++@C@C ' C@'? AG2
+'E ' A'>A C>J>,-> 'J,>AD@C@C'
S) ' ' & 0 $ ' '*'SS -+' A'+B@' J- ,@'-'
JJ C@,2 C-E@ 2 AD'+C B' @ +'B@'E@ ->A+@D' A' AC>,G'
! C J@C2 ' +--' ' ? AG'A- ' 'D G@'E@' $';MN=' '
&'0 !0 8;KN<(LON ">.B' C@,,'B!' @,,- ' C J@C2
+--U@' C-?'+B@'J--C@'&C@ + ' +' C? .B2 .C@ +'EC @'J AA@
/ ' #A@' B-' C J@ '8 -?@+B A.' J@ ,@D' -C' ? '
J, @D(' # HH ' , $* ' @@' 1 ' O'@
'O OO 3 B 45' ,0 ,$ $ & 5 * " ,$*& 0
;QMO Q4' " ' 9 .1 ') T' ' , 0 C$ ' 0 8;QKM(" '
OL=' & "' "@' 'E-+B' J A+@C' AD' C J@C' J' ?@XX-+ A+-'
4Q7') ' B 'A') $%' $ ('=K=' ' % CC-+'
! C J@C' A' +': ?@ '3 CU@+2 B-' ,bJ' A' '6+D@'9@AA@6'
S\L< X ' (' <=L' +@C' B B' +' ^J C B?@A+a'
+C A @CC@D'+-'+B@' , $* 0 B ' -CU? A'@?J,-G 'B@C@' A'
@D.@'+--,'-'+B@' ?@' B J@' '+B@' ,@ E A. U? @2 ->+', C.@C
)AD' B CJ@C'
2E' 'D@C-. +-CG'+@C?' -C' ' DD,@C'
SMSS 1 ' T $"' ' 2 !+C U@' J2 ! C J@C ' ;QN<'
JJ #U' & ! ')-'CPQ'5'SM 3C' O U@C + ' >J ?-+ '
,'E ' / J,@ 2 B@+B@C) - + 2 ! ? C+ 2 3J D A '-C'
! C J@C 2+-' ? U@'+B@ C' JJ@ C A%E' +'+B@'&, GB-> @2 S) '
T'@+ 2 $ '&%' & $'' 8;K=;(%]RT1@ C'"C@ J AD@D'
+B@' +-A B@D' C J@C- ' + .>+' ;K<N + ' &% ' < !
+B' ' -??-A' C J@C -A' ' C- D'6U@' '-A@ @..)' ? A'
+B' ': U' A'+B@ C@@A
' -A+@?J+>->'+@ ?' -C 'E CE@C
;Q<Q' 2' $ ' ' ' ' (;O 8 / / (C+' +B@'
J>C' C J@C +GA@'B ' @@+' ;KM< C)1!' * ' & ' ;< :>A@'
85 C?@C(2 B@' E@ CD' AD' ?-> + B@' B B'&@' ,-C' A'
+B@'$-G ' G' ,'E@' J@C? ++@D' +-' @ C2+B@C@EG'D- A.'
G'7 +B'+B@'-E*@ + -A'B +'E,>@ * U@+'B @'+-'+B@' C J@C
' E CD'+B +' T C J@ ' -C' C + B@' A'+B@' - ,'
6 @D' ' +-'C@AD@C'+A-D '@ ' ' -C?@C'
-CD@C' - ' . ,, A @->'E CD
SDS' 1 ' (SS ' J ,2 1@+' +B ' A@+? E,@'
&@ C)' +' ,' #>C' />A.B ,'%B A+ ,@C@ 'E>+'-E>-> ' , '
B' 3-D@CA@' C J@C2+B '8)@?' C+ B A.'EG ' " ' # +@'
JC@ @CC A.' C' ;KLQ= 7 B3 '? 0? ' ;NN #CD@C
S' $) -C@ ' ! C J@C ' 4K<= &' '# +';ML' B@'-D' B--,'
- '-C?+B- -. + 'D D@D'+B@? 2 A+-'E CD '- 'JC@G2 J@C B@C 2
D ?E@C 2 C J@C 2 D@C 2 AD' ??@C
$ A' A ++>?@A+' -C C J A.' +B2
! ' ' C J A.' A +C>?@A+'B@,D' A'+B@'B AD' '0 '
AD' A' C -> '+@ BA , JJ, + -A ' @@' I>-+ 2
?/ /A' 'B. !' ! C J@C -C C>EE@C2 ,$!C) -0 ! C JGA.@'
UAG @2 ,$!*) -(4QP4 ' , ' ('?&&.1 ' '
3 AA@C-' . ,D A.' E--U' -A'+B@ @D.@] B@'E--U2 E@ A.'
J>+' A'+B@'JC@ 2E@+ @@A'+ -'E- CD 2 ' C J@D' +B 'UA ,@'
,,@D' ' C J@C' 6 $ ' (%) (, $* (* ,
-' C-A'> @D'+-'+ U@'->+'+B@J>, @C X@D'? ++@C' B B'C@? A'
A' 'B-,@' B@A' E-C@D' JC@ ->'+-'E, +A.' SK. ' = 1 '
$ ' ' ' '%') " ' " '8;KPL(I))# @C' B B'+B@ U A' ', D

+B'+B@' B C' D@' >J ' AD' B@' +B@A' C J@' '+B@' >C @'
+C-A.,G' C-?' E- @'D- A CD2 +B'+B@' C J@C' ;K<=' '
#' ' ' % " ' 0 % ' ;= 'B +@D' C J A.'B ?]+B +'
' '*-E' 'D D'E C' -C' A' +B@' C +'J, @2 +' A'+'@ G2 AD'
+B@' A@S+2 G->' C@' ?-C@' ,U@,G'+-' C J@'G->C'UA> U,@' ' +B'
+B@' C J@C'+B A'+B@'B ?' ;KNP & >C , ' (C+ + '
! C J@C ' O)' A' !+@@,' O, D@2 E-AG' " AD,@' 1 0(!+@@,'
J J@E- ,' C J@C
E ' =$+' ' D(6 @D' +-' C@AD@C' +B@' ' !
8 @@' 7 .D' = + ' A' A +C>?@A+' +B' B B'+-'
,@ A' +B@' +-A.>@' EG' C J A.' - ' +B@' >C ' = ' (
(;K<;(2 4%+' A' A +C>?@A+' -C' C J A.' -
+B@' @ +' C-?'B-C @
8 (S KS = B. 'C& &' '555H (4 ZD+' ;OL' B@A' +B'
@C+ A@' C J@C' ,,@D' !+C . ,@ 2 +B@G' B D' ,,' B@C' ,+B'
C J+@' - '+B@ C'E-D @ ' 4Q M%' '+C' & 0 $ (2' 2
8;KOE(' ;MP' ' +B + E-G .> ,+2 B-' EG' A .B+ J A' '
+-,@A' C J@C' -C' -?@' .C J@ 'C' ;<N=' B)7 ' " ' = '
* 0 && - ' ? 0 0 =L' C-A' +C . ,2 -C U A C J@C
8 (4KKP &) 0 <$00 ' ON=N = ' ' -,D' ! C J@C' -C' +B@'
-A.>@' ;K<P' & 'C , ' (-A.>@' ! C J@C' 8 -CY
+- @ B@,,' AD' -CG(
8 0(;MMQ ' (8 & '&%' ' & ' ;O=
O>+2 +B@' O@ + ' - ' ,,' '+B@' 9A @ ^- a" @ +' B B' '+B@'
! C J@C' -C2 B@A'B@' ' "-+2 ! C J A.'- ' " ?'.@+' , +B@'
! @ + ->+- B ? ' ;KQP: 7 ' $ O/' : 1. !!'
$! ' $ ' A'C $!!' $!!' <$0 OM :>A@'O O ^ ' J-,-' J-A*'
++ @A A.' >J'+-' .@+' ,' +B@' + U,@' ->+' - '+B@' E . ' >, AU'
C J@C
' A' A +C>?@A+' 8- ' C -> ' -C? (> @D' -'
C J A.' - 'J A+2 + ' DB@ @' , E@, 2 @+ ' C-A'
--D@A' >C @
' ' ' ' ' ' '
' ' / 1 ' ' ' ' ' 2 '
0 ' ' ' ' > 3 ' ! ' ! 1 ' 1'
$
%M&c' ' Y . V $ ' 2 ' ' (KN%,@ A@D' +B'EC> B@'
-C! C J@C ' E CA D@D' 4KKL% $9 B . SaSI>H2 $' '
, $* (+C A.>, C' C-A' A +C>?@A+' -C C J A.'+B@'D@ ,
D ' $ ' (' +BC@@ D@D' +--,' >) '+-'C@'
? - @' E>CC ',@ +' EG'+B@' .C @C2 @+ B A.' A@@D,@2 N
DCG J- A+2 -C'+-' -E, +@C +@' A@ ' , -'+B@' ? ,'
A +C>?@A+' > @D' A'T C J A.' ' ?@XX-+ A+
;Q=Q ,)!*) $L/ 03 , '0 OOP U@' 'O>CA B@C2 N
! C J@C2 AD' E>CA B'+B +' & C+' -'+B@'&, +@' ;KKL' = ' .
0 ' '!3 , &!((, $* (A'@A.C @C' '+--,' -C C'
?- A.'E>CC
@' A' ?J,@?@A+' - ' CG A.' -A +C> + -A' > @'
EG'>A , X@D' J@-J,@ ' -C C@? - A.'+B@'B C' C-A'
U A ' "@A @2 A' JC@B +-C ' C B @-,-.G2 JJ,@ '
+-' 'J C+ >, C'+GJ@'- ' , A+' ?J,@?@A+'8-+B@C
UA- A' #,P)% F ' +(%,& - '+B@ C' -A*@ +>C@D'>@
^ ,/ #9'C 0 - 'Q;' B@'!-%,,@D T C J@C' '
C@ -E,-A.' +-A@ 2C-6AD@D' +'-A@'@AD2 B B' 'EC->.B+' -'
'E@ @,,@D'@D.@'EG' '!@C @'- ' ? ,'E,- ' S!)': ' 3 '
' 0 &' ' -*! - ' 'S "'OMK #A@' ?J,@' -C? '
A+-' B B' , U@' C@' > @J+E,@'-'E@A.'C@ D,G' -A @C+@D'
B 2 A' -A @I>@A @- '+' ? , C+G' A' , +@C'+-' '+-A@'
?J,@?@A+' A'> @' ?-A.'+B@' I> ? >S' -C C J A.' U A'
AD' -+B@C'J>CJ- @ 2C@ @ @D'+B@'A ?@'- ' T C J@C 2 -C2+-'
> @'+B@'+@C?' C +2 ' E@, @ @2@ ?J,-G@D'EG'+B@' , +@' 3-?'
I' C+@+2 '*)$ & 0 +D--' , &!0 ! $' $' 4 4 ,,'KL'
'T+B>?E ,AC'#'T C J?C AD' , -' ' ,C.@'C->.B' ,A+'@EC@'
@C@' ->AD'EG' '+@A A+' -'-A@' -'+B@',,@E@' C?
M' A' JJ, A @2> > ,,G' -A +A.' - ' ' ?@+ ,'
E, D@' +B' 'B-C X-A+ ,'>JJ@C'@D.@2 S@D' ->+ D@'
+B@'D--C' - ' 'B-> @' -C'J@C -A'+-' C J@' - '>J-A'
+'+B@' D C+' C-?' +B@' -,@'- ' '+B@ C'E-) ' -C' B-@'
E@ -C@'@A+@C A.
=QQ<' M ' (0 " ' 7 U ' ;QP;' 4 '=Q @ @C'
,@ A' G->C' !B-@' -A' +B@' ! C J@C2 E>+' A' +B@' +A+CG2 EG'
B B 2+B@'! C J@C' ,' +'+B@' ,-A.@C2 4KLL' ' +
% C ' 5 ,&' 'LMM ! C J@C)' CD@A2 B ,2 AD' D--C2
C-?'5 0 9 0 5ND5'C) ' , ' # / @ 'OLP Z' -E @C A @'-'
+B@' C J@C' AD'+B@'D--C ? +
(& $* "0 8!@@' I>-+' ;KQP (
?% N<' : ' - Q , -' * $ 0 , $' ' '<R]' J
2 ' ' !! / ' / ? / ' P "'
X! 2' ' ' 2 / ' ' 3 ' ' I
' ' ' 2 $ N_b' : 7 0
-0"' , $* ('7! ' ' ' ' 1 '
' ' 1 ' ' 2 = / ' ! '
'S ' $
2' '? B A@'8-C' --J('DC A'EG'B-C @ ' -C'-S@A'
-C' @S +A.' D+ B@ 2 A , 2 @+ 2 -C ,@ @,, A.'
AD' ? U A.' C- D 2 -C' -C C A.' AD' C@?- A.'
- ,2 D C+2 @@D 2 @+ ' ' B-C+ D + A @
;K=N " ' ! ' $'$!' W $!' &$ 'E0 0OP< , $* (
'? B A@'DC A'EG'B-C @ ' -C'-S@A2 -C@S + A.'+@CA B@ 2
-C A , 2 C?, C- D 2 \ ' KKD' &' - $'>' $ 0 5@E'=;='
!>E @I>@A+' A- ' C@'C@? - @D'EG' ?@ ? ' ! C J@C' '
U AD' - ' --J'>J-A' B@@,' B B' 'DC A' - @C'+B@' @'EG'
E-C % ' SKKM ' ," , !0 ? 0 4 4 'PKK ;' 'B-C @ ' C J A.' 2
? B A@' B B'D@, @C'+B@'?>D' +'+B@'D@ ' , -'>@D2+B@'
E, D@ ' -'+B@' C J@C 'E@ A.' ?->A+@D'-E, I>)G
E ' A' A +C>?@A+' -C C J A.' D C+2 ?>D2 @+ '
C-?'C- D 2@+ ' , -' &$ 3 , $* 0
E' ' ' " ,!0 ,0 8;KPQ(: N]M]' B@' C J@C'
? G'E@D@ C E@D' 'EC- D'B-)'- '+C@E,@'+B@'> > ,' X@' AD'
+C@A.+B2 > @D' A' ,@ A A.'C- K'-C' ->C+ G) 2 AD' 6@'
+ ?@ ' A' ,@ A A.' .C G' >C @' L 0 e'LSLL' B@' />+ B'
B-@' ' -,--D'C- D' AD' , A' C J@C' $ ' " ' $ ' (
$ (, $* (0$ (,-A.'B-@ &C' ,@ A A.'C- D' # '?>D'
SJ-J $!"' 2 ' 0 O 0/ @ 'M ;' B@C@' @C@ -'?@ '?@A' -S'
+B' C J@C 2 E>+' 6A+' , +@' A'+B@' +@CA--A2 J@D@ +C A'
B D'+-' AD'+BC->.B +B@ +C@@+' A D@'D@@J' A' ,> B
F' 0 ' ? ,' -C'+) A.'-G +@C 2 ,+
;KKQ' ' O ' ' @+ ' ' 'E0 (, 'PQ;2
$!, A.' -C'*- >, C'>@
0' ' !&3 (&BC @B' &%) '%&' ' ' , $* BB'
+-'+ U@'+-' -A@' ' B@@, 2 D@ ?J

;KO= = 77 <$!!& 0 ',",]_
/ $;K=O) $' "'
' "' (((3/ $
- U@D B +
&@CB +B ,,> -A +- +B@ B J@ @@ =
; : $' $), ($ &b 1 1
/ ! ! $ % M_ "!
$!& '! & >1.(, $* 00$' / 2/
/1 1 1 $

3 $ 1(AD & - 10(A , $* 3.' %

@C J@C E-S2 +B@ C ?@ B-,D A. +B@ T C *)@C) -
,+B-.C JB JC@ C J@C ? +) D--C ? + -
C@ -C J C ,,@, +C J - ?@+ , @C A. +B@ J>CJ- @
- C J@C C J@C J, A@] , $* ' 3*!$' 8 @@
: C 1!0 10 /

;KPL X .%0 Q< B@ C J@C E-S ^A +B@
,+B-.C JB JC@ a ;<NL $!" $! !@J+ Q L B@ E@@Y
U@@J A. E@. AA@C B->,D JC- D@ B ? @, +B2 C J@C
UA @2 -?E ->AD + -A ^@+ a ;KK= $! 5 10 $ $!(
K< ; 3@+ , ! C J@C 3 + >+ E,@ -C ,, .C @, ,U
@A+C A @ ;K<P & T C , (D*> + E,@ C J@C
&, A@ 5-C C J A. AD A B A. @A@@C ^@+ a
$ 1 0 " A0? 0 ^ :

X i ? ! @C A+ B- @ - @ +-
C J@ +B@ +C@A B@C +@C > @ 8 A # S -CD -,,@.@
+B@ +@C ? A C@.>, C > @ + ,, +B@ 0+B (
;MNL ') & - ' 0 8 KQK(QQ >@CG ,->@A,G
@C> A. ? A2 AD .C@ @ C J@ +C@A B@C ,, @S @@D@ +B@
E->AD - B ,, A. ;MNQ 9 . ' 0
$ 0 'O2 O>+ , G2 B@C@ ! C J@ +C@A B@C C >@D
OMKK ' . - &) "' ?2 ;<< ; B@ %-??-A !@C A+ +-
@ B " ,, C@ +B@ &-C+@C2 ! C J@ C@A B@C2 %--U2 AD B
>AD@C !@C A+ OM<; $ & % 5 &!!0 L 5@CD A AD
!? +B2 ! C J@ +C@A B@C - +B@ %-,,@D.@ OQQO - $1&1
" 7U ;Q<< ' ! C J@ +C@A B@C2 ,@+' B @ A-
?-C@ - G->C * ;KMO < $* 0 8 <)$ 2 +C A
- >+ +BC- + 2 BE> U,@C 2 AD C J@+C@A B@C
$ 10 OKPQ 5 .7 3 & -0 ' 0 =<M B@
9 A. B->,D JC@ @A+B ? @, B-,,G D C?@D2 A-+B A. @ @A
C J@ +C@A B@C E, D@ -C B ++,@ D ..@C
9 $ ^ 1 B@ J -

! 0 & 9# A >?>, + -A - D > @D AD
EC-U@A >J C-A -CU -C C@ ->AD A. " @A @
A JBC @ 2 & ,$ & ' -C ,&' ' & , $*30
$*(+- + D@ -CA ->+ -C >J@C @D@D
;KLK ! ' 0 , 0 6 ' ;O; ; '& (, + -AY
+@? J-C CG C , 6 ,- -?-+ @ @A. A@ a +B + B @ @ J@D
+B@ +) - +B@ T C J B@ J B @ E@@A C@ ? D@ OK<O ^ @@
1 V O<NL 0 8 $'))* -$' SSS
B +B@ +C>@ *-G - , @ ; +B@ E@ A. +B-C->.B,G -CA ->+
E@ -C@ G-> C@ +BC- A -A +B@ C J B@ J
" @A @ ! C J , @ J 0 $' 0(+- -A .A +- +B@
C J B@ J !- ! C J B@ J A. + :' 1(
;<N! $!" 2 = /@ M B@ C@ @A+ C J B@ J A. -
@ @, ;<NQ -0 <$00 = 3 C Q L B@G AA-+ @CG
@,, T C J B@ J +B@ E- +
* /YY 1 0 ^ I > 2 :

-C : @@ ! -,,@ + -A - , +@C CG
C J -C) C J A.

OQ<O ! >+ ! J@ A 5>. + @ 3 @,, AG OK;O =
A <("$,. &' $ 0 " + OPM2
B ,, A B +B@ , + -,>?@ - C J A ; E@. A B@C@ SK K
= ! + ! C J A -C @,@. A+ @S+C + - + E@ A. -?Y
J,@+@ -,,@ 6-A - B>?-C-> J @ @ A JC- @ AD A @C @
! -C J ,,2 -E -CA - ::(10 AD 0

8 UC) J .(2 1!0 1(Y" 7Q V

B@ + -A - +B@ @CE : A C -> @A @ 2
,O==N C & - *0 C$ 0 =PN O ! C JGA.@2 -C @B GA.@2
$) $($1 $ &0 OPQQ ' .) &'0 ;;K< ; B@
EE-+ - A+ ,E-A @A+ +B@ E-U@ -D .>C@D +B C JY
A. \ E,-++ A. ->+ A+- +B@ U A. OM;O % 1
'& && / L E2 B -A@ @ C@ 8OG #CJB@> DD,@ @(
+B@G ,, + U,@G->C @ C@ +B@G A D--'+ +B C J A.
OM=; = . (<& 0 7U ;KP; ;LN ,, G->C ,@ CA@D
C J A. A A+ I> +G OK;K &1 &" S 2 B@G ^+B@
J->,+CGa B D A U C+ A. AD C J A. A +B@ G CD2 +B +
+B@C@' A @ .@++ A. E@ A -C J@ U@@J + -C +B@? OKL=
.0 ?&O($- 5,) &'0("@C@ +B@ C J A. (0
E- A.a C@A@ @D OK=O 8 7 C C * 2 # A,G
C J A. - B-@ -A +B@ ? + OKPL : < '',!! 5*(
[0 8;KPM(QO B@ C J A. - ?G J@A - @C +B@ J J@C2 OK<Q
!!1) > " 0 0 =LN + E@++@C +- +C@ + @ B - >
AD@J@AD@A+,G EG C J A. -C EG +B@ @S -A - @D.@
E B@ A- @ JC-D> @D EG DC A. -?@+B A.
C->.B,G - @C >C @2 , -2 +B@ + -A -
@SJC@ A. D JJC- , - J@ U@C EG B> , A.
+B@ @@+ 8 @@ : Q D(
$/%A ' +C $!&' > &) " 9 OE2 B@A
+B@C@ B CD .C@ + C J A. - @+@ A +B@ ,--C@ OQKP
< 0)! $ 0(, $* ' (?-D@ - @SJC@ A.
D , U@ +- J@C -A -C @C?-A2 JC + @D + #S -CD EG +B@
+>D@A+ 2 A C J A. +B@ C @@+ . A + +B@ .C->AD D>C A. +B@
JC@ B?@A+2 $ K-S 9 6 .) -(8;KN=(<=
-? , A D@A+ C@ J@ + A. +B + C J A. - +B@ &C- +-C2
3C 7 ,.C@ 2 B , + JC@ B A. OK<= ' .. $'5Q
-$' =LM B@C@ +B@ C J A. - B C E@B AD +B@ J@ U@C
;K<Q T ' 1 4 C & & S 8;<NP(LOQ B@ C J A. -
?@A' , ?E AD +B@ C J A. - ,-+B -A +B@ C- U
/ * 0 ,&' , 0 B + B B C J@D - 2 >J2 -C
+-.@+B@C $ C@,G ' 0
4P44 4O ,,0 0 $ 0 ,& 0 LO; B@ C J@A
- @C+ A@ .,+ A @ B@,@ OPLL *) !,$ <Q) B@
,@> A @2+B@ C J A.@ 22 B@ U ??GA.@ 2+B@ .>EE A -
E--+ @ AD JC @ OPQP < 7 1C& (!&2 LL
% + B@2 A + B@2 AD C + B@ -C C J A. AD -C C-??@
OMNQ N&! &) %0 ? $ L<O B@ C J A. - +B@ A CD
J C+ - B - A B-->@ E@ +@A A+- J- D@C AD ? A.,@D
+B A@ OMQK C !0 $' 0 4 ;NML ->C+B -C+ @
B @ B B @ ,, ! C J A. 2 +B + ->C @ -C+ - ! ,+
+B + ,@ @ +- +B@ +-J - +B@ D@ - +B@ &B + OQLN
8 6 $ "> ' &&- =N B@ O -A+ U@ B +@ @C
-?@ 2 B@)! C J A. C-? B@C @@+B AD >? OQ<N

16! . @5 ' " B@ D> + AD C J A. C-? C- D
A J/ I4I > (& '' (A JJC@A+ @
+B AU A. - +B@ ? @C @ - +B@ ? ,U AD +@C2 AD +B U
EC@ D AD C J A. ;K<< !!1) > " 0 0 QN=
B@ ? C- -J @S ? A + -A - C J A. C@ @ , + -A @
+B@ C ^ @C+ A D @ @ ', B C +@C + >A.
% 0 $/%% ! 1. E ' 0 ; LO B@ C JY
A.@ - ? , @ + @, @ A %+ $ $-
+C> +@D B ? +B ,,2 ,, ?G J--C C J A. C-? D-X@A
G@ C # D> + AD D@ U -CU
L $ 10 AD & - 10(, $* ' 3 &'(3.' % (
-$, ' (3*!$' (3 &&! C J A. .C->AD2 J, @
B@C@ D@@C C J@ -C C>E +B@ @, @+ - +B@ C A+,@C
;KQQ .H [0 *& ' <$00 K< 8%@A+ (B@,-CD,GE> U
E@. A +B@ C A- +>CA , C ?E,@ - @C +B@ C ->C +@ C>A G
AD C J A. .C->AD ;Q;Q C & $' ,0 ;M > . =
B@ C@@ C J@D -A +B@ O CU2 + B D E@@A D-A@ +B
! C J A. C-A -C DD @ O<NM $!" &'0 ;M 5@,S M M
B@ JC@ >C@ - +B@ C J A. C-A > @D EG +B@ -CU? A
> @A+ +- UA- U B>.@ B-,@ A +B@ @ @, OLKO 9 . 6
% 0 SSS OL "@ U>++@ + +B C J A. UA @ - +B@
C E@ OMMO & - ') > 6$')$ ' 0 ! ' 0 KQ O>+ B@C
,D A@ ,, - @C C + +B B-+ +@C2 AD C J@ +B@?
+B C J A. UA @ OKPO = 6 $' ') " '
8;KPL(;MM 5-C C@?- A. +B@ B C2 +B@ C J A. UA @ ,-A@
?> + E@ > @D SKKM d! C J A. ? B A@ ^ @@ 1 >V
OK=M ' . U 166 .) ' ' =KL , +--, ,,@D
d C J A. J, A@2 AD > @D -C C J A. +B@ -CG U@G -
J A- -C+@ 2 AD -CU A, D +B -CG2 EC 2 AD B CDY
--D OP<; 3 .. *0 0(,&*!&(d C J A. +--,@2
J, A@ -C CJ@A+@C
9 / **!0 $0 ^ 1 N " 7 A V

; B + C J@ 2 A C -> @A @ - +B@ @CE 1
C 0 0 C$ - $ 0 &C-, O B + C J A.@ ,@..2
+B + D-JJ A. >C+ @ A>O+ B 0 & 0) '!&*
K >. 2 . > , +G C +B@C C C@ A -?J, ?@A+ - +B@ @ .C AY
A A.2 E- A.2 C J A. + ?@ OKO= $) ' !
B S S2 B@ E, AD C J A. ->ADC@, ^ DD,@Ca ;KQ< $'
& , ' ;Q C J A. -C E, A. A- @ -?@+ ?@ B@ CD
-?J AG A. A-+@ OK<N " ['&* &'' A
+C-D O '& 0 ! C J A. ->C+ @C AD A-DD A. +@,, +@
/ *0 3 -A@G .C>EE A.2 ? @C,G

> " 9 , 0 (3$ M "@ B ,, J@AD ? A@
" -A->C2 +B B !B ?@ +BC +,@ @ !-AA@ 2 +B@ C C JY
A. 5 +B@C -,D2 $ SM K . 7 C & 0 C$ 0 OQ B@
/ >U@ - A +@C C J A. B@@ A>JA - .) 7
A : 2 1-> C@ A@ @C ?@A+ -A@D E>+ EG +B@ A ?@ -
- @+-> 2 C J A.2 + A.G A %A B) ' =HN% O+
Q= " @ B D , G E@@A EC->.B+ >J +- E@ A. AD +BC +G
EG +B@ C@ >, C J A. -,D E CE@C2 B +B@C
" @A @ ! C 'J A.C G , 0(A C J A. ? AA@C
) OMKN : 1 -0 &' ,,!0 ;N2 OM B + , @ C J
A.,G AD >A B C + E,G2 ,, +B@ C , @ ,-A.
$ ^ 1 ;I V C-A B B B

,C@ DG E@@A + -C C->.B+ AD EC-U@A >J -C
+ D@ -C C@ + A. -C C@ -CU A. EC-U@A
J @ @ AD ? ,, C+ ,@ - -,D AD D > @D C-AY
-CU , - $ 10

, $* 2 &) & '(C J -A + A. - J @ @ - ? ,,@ E,@
C-A2 B B B@A C@ + JC-D> @ >J@C -C C-A
;KOL T # 4 0) % O;= 3 @C@ T . +B@C@C - C J
C-A OKL< ! ' 0Y , 0 " '!0 =LO O B@ E-,+
+- E@ - +B@ E@ + C J C-A O7O - ;L >. = O A
A-+B@C 2 JC- @ C)J C->.B+ C-A ?@,+@D A D? S+>C@
+B J . C-A OK<; $1&) &B - &' <!& 0 22 A
- @CA?@A+ G CD 2 B@C@ +B@G D- A-+ @,, -,D E- ,@C 2 \
+B@ @ C@ EC-U@A >J AD +B@ J @ @ C@ J, @D A B@ J
8 C J B@ J (AD -,D -,D C-A 3 @A @?J,-G@D + +B
C@ D +- E@ -A , $* &' 2& .0
! C J ,@+ 8 UC @ J,@+(5-C? =D0(LL-4-*
" =D0(L4-* 0? : (! = 1 (44 =D0(L
;^ L (")! 0 %MR 3 2 1 2
C JJ@,@++ HD) D)!$ H0 ;KQK 49 $ $!
;OL " @ +B AU B , ++,@ C J,@+ ,, D- ?-C@ -C B ?
AD B J@-J,@ +B A +B@ T " +-CG - +B@ :@
8 UC @'J, .(^ 1 N ". 7 V
? ,, C J 8!@@ / / , $**! ' 0>+
;K=L A -0 8;K<Q(2 OON / -A + E@ A.CG +
+B C J, A.
! C JJ@2 -E -C? - 1
?$ 1 0 $ 0 ^ ! 1 N " Q V

#A@ B- -,,@ + C J C-A
;M=K A , & $ 0) 5 O=P $> @,, +B@ C JJ@C
-C J U A.@ - -@ ?> B C-A ? D@ +BC@@ +>AA@ AD ;Q
B>ADC@D + L J@C +>AA@
) 8 UC @ J. (!$' (^ 1 b
i $, : J>. , +
OKQ= A & '> !$' 0 OKN O<N= : $ && Q
! ;N= " @ C JJ@C C +2, +2 AD ,, +B@ + ?@2 +B
E>+ , ++,@ C@. CD -C B-? B@ + U,@D2 - ,-A. B@ B D B ?
8 UC @ J@+($ 0 ^ 1 10c *
a ? ,, I> A+ +G -C ?->A+2 , ++,@ C J
O<NO C !& ;< : A QP O ! C JJ@+ - @A @ > B A
E@ C@ D A J@AAG @@U,G J J@C) O<NP 5 ' A
-0 <$00 O= 5@E M L &-, + , A+@C@ + +C A @CC@D +-
C JJ@+ A B , J@AAG JC A+
2 8 UC @ J , (2 $ (^ 11 $(
1 O a A C JJG ? AA@C
OKKM = L = B.. A &' - *0 0 :>A@ QQ< % C,G,@22
+ ,, C 2 A CC- ? AD@D2 C JJ ,G @D> +@D ! -+ BY
? A O<N< ') - OK >. O== O B@ ++@ ? J+ + A ,
>?? CG C +B@C ,>C@2 E@ A. C ++@A C JJ ,G
8 US @ J A@ (^ 11 $0 i
!! a B@ + +@ -C -AD + -A - E@ A. C JJG
;KMQ ' 0 0 ;Q >. ;KL 7 B + B ,, @ G- +B@ ,- ,
A@ J J@C + @ @A @ C JJ A@ OKKO ') -
OP :>A@ K=N L B@ .C@ + >,+ - B @,@ + -A ,0 CA-,D'
C& E "'&%?" &'+ + C JJ A@
8 UC @ J ((2 1!0 10 !$' (^
1 ?5 N" :: a 5 .B+ A. E-S A. H & $ 10
;K<; C $!! $!!0 <$0(#Z 3 G Q L / > A. +B@ C ,
?@C + - C@ +, A. ? + B2 - ,-++@CG2 AD - C JJ A.

A + B OK<Q ' 8 .. $' !0 &'T C! $ LKQ2 .-+ +-
C JJ A. +B ? A2 AD B@ ,@ + B ? CU -A ?@ 4<I
?!$, . 2 0 $ 0 :>,G =N ; 7 B + D- G-> A+ ?@ -C +
-C +C .B+ T C JJ A. +B O-@C
D0(.LL @* 1!0 10 0? : C G
B@ + -A - T @AD A. +- +B@ C J B@ J
O<NP $!" &'0 OL 3 G = = B@ C JJ A. -C ,@ -
B J +B + ->.B+ +- B @ E@@A C@+ A@D O)Q & -0 C&
;Q : A O L B@ C JJ A. - B J
! C JJ,@ ,=J0K->L4/ 10c $!0 701 =F =
-C J ,,2 C JG,,2 Q UC JJ,@2 Q < C J @2 <
C JJ,@ ^ : i (% 75,@?
, * !A +B@ ?@ @A @ a +--, > @D -C C J A.
-C C U A. >J
OLP= A ', $! C & " $ 8!>C+@@ (J SSS *2 *
C J ,,2 * @ >C OL<Q 1 (J S , *2 U@? * J-C @+ *
C JG,, OMSP 7 8 &)' " &) 2 0 $ 0 8;MOM(
=M UC JJ,@ - C-A 5-C @++,@ AD .C->AD G +@C
B- C@ ;KOP # ! , $* (A A +C> ?@A+ > @D
-C ,@ A A. +B@ O U@ E- CD2 $-SE ; #A@ -C ,@ A A. (
- B-> @ ;KQP 7) - 1 $'$ P; B@ . C,
?@ ->+ +B ? ,, - , C U@2 +- B B +B@ -,D D ?@
J- A+@D2 G A.2 T 7 B@2 +B + ' B + C JJ,@ ? G E@
! C JJ,@2 ! (0 0< 1 7? : 0@ @G
(0* D4- 7? ?77< 1 (<- ?07 1 =D0(L= 7? L70J -*D =*-W-<
W *6 1 -(4 (< L0-==-< *7 4(0K- D(J-=
A >A (1 C 0) 0 ,2P< B@ > .@ AD
C JJ,@ - @ :@C @G2 SKKS $ * > $ 0 : A ;K; 3 ,U2
@.. 2 > .@2 C JJ,@2 @.@+ E,@ 2 AD J->,+CG2 ,, C@ B
C-? +B@ C?
! C JJ,@2 0 $!0 , - M UC J,@2 K C J @2
^ ::(C) a - C J@ -C> @) C JJ,@
OPN= & ' $- ,0 LO; 5-C UC J,GA. - * +C@@
OQS; ' % V @) 8# " ! (;LK B J @? 2 +@C
,++,@ @ C+B C J,@D G C-? + >C @ @CG
C@ B AD +C@ OK=Q ' .. 8 ..! , $**! (+- .C>E E->+
5&'0 ;KKO : 7 %& , &$% B&B '(=K 8 / / (
B@G C JJ,+ >J +' @+ J-+ . G,G @@U
! C JJG 8 UC @ J (2 H. 1 N " V %-AY
+ A. - C J ? D@ >J - -DD AD @AD D Y
*- A+@D2 >A -AA@ +@D
OKLQ ' 8 ' 0 % 8;K=O(=Q= G-> + U@ AG - +B@
-,>?@ - +B@ , A. J-@+ ^A @C? AG,2 G-> C@ ? X@D +
+B@ B-C+ AD C J JG A +>C@ - +B@ C@ > -A 2 $ OK=)
$ '$!$ S6 7U ;KM= " PN< B@ J C+ , .@A >
, BG] C JJG OKPK < '0 , 2,+ ? G E@
+B + +B@C@ DC@ D >,,G C JJG D AA@C2 +B@ @ D@A+ C@Y
? A - J C+G +- B B ' > A +@ G-> OKM= 8 R
7 &) B , @' >A >, ,,@D2 G-> @@ +
B A. + ,,2 J + BG AD C JJG SKKK -) &1 & 0
;PM B B J+@C2 A+@AD@D +- E@ D@ >,+-CG2 D *- A+@D2
C JJG2 A + OK<Q = : 7 . 0 % , $ =LM 3 G
, UA- ,@D.@ C JJG
D0(L+,=J0@ >L / (0? : ! () K
70 L07<ED K (6(0=6 K0(* K 7 =-
O) - . ! 0 5 =Q2 .@+ + C@D - B@ CY
A. B@C C AG - @ OK<N & . ' ' > &!!0 " '!0 , -
J C+ >, C,G ,->D AD C JG -, A
*2 1$E:: 73= ?701 7? ::(0<
Q! C B2 (1 ($ YF (0 71(*7L7- D)(0
7? " #
OM=N +C > & - (& % & - 0 A K "@@ @ X@D >J-A
+B@ 9A .B+ !B @,D +B B +@@+B2 AD J>,, A. +@ ,G C-?
B ?2 B@@ C B@D + A+- +B-> AD J @ @ B , + B@@
+C ?J,@D + >AD@C B @@+
! C +2 10 1 0 @S $!0 5-C? P UC ++2
C +8+(@2 C@++@2 M C G+@2 U C+B8+2 4 - (
U C+B@(2 C B+2 C + B@2 M Q UC +2 Q K2 <
4 $!0+ -C +2 C+2 C + B ! @@ , - 10
^&@CB C@JC # T , $ $ 8 ? C ++@A , $+
JJ 8 A J +@ - +B@ D @C@A @ - @A @(-CC@ J +-
. $ X CD2 .-E, A2 ?-A +@C2 ?-D @,
. $ D@ ,83 ! . $!! & ! '+: # " , $ "
. $0 8J . $00 (. 00 + +GC2 --D D@ ?-A2
3 " . $ (. $0(, $ (.-E, A2 @, -C
? AG ?-D @C D@C + @ @@ C ?? ,. $!0
B@C? JBC-D +@
, I .6 <!& (A 7 C 7 , U@C !2 - $% & (
@J@A @ +C@2) ! C ++ ^ $ C ++ a2) ! E @DD@, O=
& - 0 E D M<P O , , $ - % $) $(UC ++ , ;=QP
C 0 &,0 E D Q<L L , $- %& $(C +@ $& A
L $> ' QL ! - ? +G ? @ -A@ - ? A
UGAD@ E-+B ? A \ -? A \ > B@ A @A.,G B ,,@D
C@++@ ^;POQ C + @a A//A ' B. ! ! C G+@ BG B@
E-+B ? ,@ AD @? ,@2 $ A/>) 8& + -++ @(&'(
,& 0 SSS 8! ! (;=P A@ E CA@ E-CA@ I>B ,U B D E +B+
+B@ UGAD - ? ,, AD ?@,,2 (" + A ->C , A. .@ U C+B@
0 0 C B+2 C + B@a OMNN ' ..) "' SSS S ;NLM
A "@C? JBC- ,+@ -C !UC + OML= # C$ ">
) 0 SS 8;MQK(P<O "@C? JBC-D +@ 2-C ! C + ;M<;
0 0 & (0 , $ A "@C? JBC-D +@ > @D -
3 @A2 O@ + 2 AD !B@@J OKQK - '1 ! 0 <!& 0(, $ (
,$ (, $, @? ,@ B@C? JBC-D +@ B@@J
/ $!0 , -- I>-+ (? 1%
OKPP 1" <!& 0(, $ (! + A2 .@A@C ,,G +B
+B@ JC@ S -,D2T >D ! C +'2
!) +2 10F 1 0 -RD $!0 4=7 =D0(**- 0?
*
A + - C + B A.2 ? CU C@ >,+ A. C-?
C + B A. , -2 _ @ , ? D@ EG B J
OP=O X) .. $ B)0 *&* .0 K=E2 B@ ? CU@ -C C ++@
- +B@ +C J@ D@ , C@D J, A,G B@ B D J-U@A + B-
B@ B D E@@A B AD,@D S 7 $'1" <!& 0(, $ (
C J A.2 -C C + B A. +- .@+B@C2 +B J A AD +- ,
/ ? ,, J-C+ -A -C J C+ - AG+B A.
3 C , >) * (;QO B@ .-,D@A @2 A
+B@ >J@C E>AD A @ - B C B B>?->C 2 JC-? @ B ? AG
-+B@C .-,D@A ?->A+ A@ E>+ B +' A@>@C C + - ,>@C2
, HZ'D & ' <!$ 0(, $ (+C ,@2 -C ? A ?>? - A -?@
T "@' A-+ -+B C + '2 B d) C& - K< !? '

B@ + ' >AZ A" A + -" +B + 7 ' DC->A D' ->+ +-' ' @ -?@ C + C@ 3 GD G ?

' #A@ B-' C J@ ' ' A.Z ? @C,G J@C -AZ

'?@@C! C + ' 3 @C' ' ' OO'

& & 'S ' 'QQ'O@,,' ' A' AD> +C -> Z B CD -CU A.' , ++,@'E-DGZ .@A@C ,,G ,,@D' 'T "@ C +"EG'B@C'A@ .BE->C '

/'X' 1(>500 $!0 5-C? ' L M C ++@2 = M UC +Z P UC ++Z M C ++Z = ' -C + ' , -' M ! $' ' ^ C,G 3 ' , $ ' - 'D >,+@+G?-,-.G B@ @A@ - A D@' +B +B + - ' 3! ' . $ $ +-' C + B

C + B =$' ' J@C -A(

)XSOOP ' , 0 0 KD AD A ' B ,D >6+- @A : @ B C@ J @ ! ' C ++@!a)@ AZ\'E+>J-A'V@P@CD@ ' , ' -

/ ' $' 0 -' , @C +@Z ->ADZ -C ? CU >J@C Y ,,G EG DC .. A.' +B@ A , Z , Z -C AG+B A.' J- A+@D -C JC U,GZ - @C +B@ U A -C >C @

E!@ (" 'C 0%'QLQK ,U A@ C ++@-+B@C A':o @

!' $ 1& P2 ') E2 ' , ++,@' C ++@D' +B' -?'

+B' D ' -'J>,,'&) (C J@'&%%' +,,'+B@ C ,

'-C A ,

, @ @ + B A.'-C +B@, U@']' & #' 'O

! ' - 0 # ' ' E CD -C A ? , ' -' C U@ A +B@ .C->AD +B +B@ , ' , -' $' % 0 - 'J@C -A

E ' $' 0 +B D ' -'.@+&) ')*'EG C + B A.'

M ' ' 0 8 .' -'=(' -' +C>..,@+-'? U@' , A.' -C +-' . A'? -A@G & #

"@A @ ! -C '++ A.' 1!0 10(AD'**!0 $0

'8 UC)@+*(Z 10 ' ^ ' ! O %"

' $@ >,+ - ' C + B A.

EG ' B CJ A +C>?@A+ 8!-?@+ ?@' JJ,@D , .B+Y A ..G +-' '+C ,A.' ,@ B ->AD (% ' & '\10'

AD -A' SK ' ' '' & 'ML ' ->,D B @ B D B@C A@@D,@ A ?G B@ C+Z -' @ B@C ,++,@ A.@C C- ?' ' C + B' ;KK< ' &' .' ;N B@ G->A.'@A .A J @D +BC->.B +B@ ->C? -A+B ' - ' .B+ A.' +B->+ ' C + B

E '

A- @ZZ , U@ " - ? A' 3 C Z + @ @CG C + B' - ' - @A @ '

C + BZ -A@', @>+@A A+ AD +B C+G? A@ ?@A 9 ,,@D'^@+ a D' + ' $ ' , $, '' 7? 7=-0 7E=' 1 L70*[

(D- ' 7? 7 K0-(*')(4E-

/ ' $* 0 ' < =-(=-' 7?'670=-=' ' W6 D6 *6-' L(=*-0

(LL-(0=' (=' ?'=D0(*D6-<' 3, $, 0 ' 1 0 0O

E ' B@' ? A.@' % ' ' @

'S! !' *& ' ' $ 0 4 4 '=M B@ JJ@ C A @-'? A.@Z

' ' ? CU -C >CC- ' JC-D> @D EG +B@ .C AD A.'

-A+ + -' + -' >E + A @ ' ' B ,,- ' ,A@ C A -AZ

! ' 'C->.B -C CC@.>, C ? CU ? D@ EG 'J@A ,Z

J A+ EC> BZ @+ ' B@A @Z ' , .B+ U@+ BZ ' B +G

E ' B@ + C+ A. J- A+ A 'B AD J' - ' ' - ?Y

1' B@ ->AD JC-D> @D EG +B@ C + -A - ' + -

Q ' $! ' - $. ' 0 8!@@'!>-+(, -'$ 10

K A ' + - ' C + B A.Z $ (

OK -'C>EE A.' ,,'U AD,@ G->C > @C ? + BZ '+,@ X D-@ 'A-+ -,,- '+B@ JC ? + @ C + B' SKM ' B7 ' ' $''

E ' ' U C ? BZ '+C ,' .B+ c]R 'CB ' "! ' 7U ' 4 ' 0;!' B@ JB ,- -JB@C

+ , , ' ' 8!@@'!>-+(' 1 0

:$ $ 6 J+ ' -C ' , $, '* 2 '8 @@ (

:$ $ $ 1 0 AD & - 10

' ++C E>+ @ > @ ' - ' @A @ P E Z ' , $, 3,$ (

3! ' (3 - $ '(3*!$" (3 $, 0

E ' ! J@ , ' - ? E A + -A ' 8 - ? @ - ' B B ? G

J@CB E@ C@ @ +@D +-' +B@ @CE(' C + B E,- UZ

> @D EG - ? @ @ C,G JC A+@C ' A J, @ - '+B@ - ? ?

E C> B -A + A.'- '' A.,@'E>A B'- ' C@ ' C + B'

C + B C D,@2 'A ? @ -C% ! %$ / ' C + B '

<$! - ' *$ ' H C + B .2 ' ? ,,Z B-C+ ' .'

6 cE 6-- %+ ' &!!&D(L'6* -&'$ Q '

@9- % ' '] ' 1%(' % ' D 9

' %' * ' # -' ' ' --& ! ' , $, 0

$"/

[illegible]

EC> B' - ? J- @D' - 'EC ' C@(' + ,' + ' >C @' ' ? D@' ? - - +BZ' % <&5 ' ' !(' $' ' 0 < B@' ^.>Aa' E CC@,2) ' + -' E@' @,' C>EE@D' - @C' +B' ' +@@,' C + B' CD' -C' C + B' EC> BZ' >A+ ,' +B@' C> +' C@? - @D' ;KQL' 1 ' &. &*' ,0 ! @C' ; ;Q= 0' 5 -C' D@, +@' -E*@ + Z' C + B) EC> B@' C@' ? D@' - ' J>A' ., ' ;KQQ' ! - T' $' 1.(A' ;MO' B@' E@ >+ >,' C- +@D' >C @ ' + -' E@' @@A' B ' , @C' ,- U@+ ' C@' ,,' JC-D> @D' EG' ? @ A ' - ' +B@' C + B- -C> B

!$ $ 1(' C + , EC> , ' , +BD2' ' , +B@' +B' ' C , C' C@ -, A. ' C + B EC> B

' 8 UC @' +* .(2' (' 0' @S ' ' $!0' %B @ ,G' JU' , -' P* 0' C -B@> ' ^ JJ' ' -CY C>J+' -C? ' - ' +B@' -CD' B B' JJ@ C' C -> ,G' ' ' 0' 0(C' / ' 6 0 Z' D?' , -' +B@' GA-AG? -> ' ' 89 ' , - >+(C 0' 87 G , (a' $ B@' C@ > @' - ' + ,,- ' C@? AA. ' +@C' C@ AA.Z' E' B@' C@ D>@' - ' J-CU' +' ,@ +' +@C' C@AD@C A. ', CD' ' f' 0(C' L' E

i' ! ++, @ 2' 0' $!0' ^5C) A@A+' ' ' T V ' ' 0' - ' U@@J' -A' C + B A. ' $' 0' + -' C J@' 2"' EG' I> U, G' C@J@ +@D' ? - @ ? @A+ / ' , - - ' TE7*' :& # /

[illegible]

[illegible]

[illegible]

+@ U*C' ;K<L' $ ') 7 ') - &) '&%' &) ', +', 'O=QL' 6' B>+' B ?' A' +B@' C@@UG' >JE- CD

+! C@ , A . ' 1 0 $ Y 0 ^ JJ' A' -?@' G' C@, +@D' +-' -C ' . ! ' 0 / ' . E ' '

@ U, A. Z #, @, ' . ! ' B$ '8J (Z +B@'A ?@'. @A' +-' @C+ A' ?@C A' E-C . A@ ':' 'D C Z JG. ?G ;M;L' 7 ' " ' A' $ ' A+-A' & &'), $ ' B@ C' AD ,@+@A+' D@ , A.' ' / D' JC->@'+B@?'+-'?@ A@'9A .B+ Z A-+' G A+ Z A-C' ! C@ , A.

' 8 UCC ? (Z 1 0 A' M' !U' C@G ? Z UC@G ? @Z' Q' -EC@@ ? @Z' ' UC@ ? ' ^ '

' BC ,,' J @C A.' CGZ' > > ,,G' @SJC@ @' - ' J AZ , C ? Z -C' -+B@C' >DD@A' @ ? -+ -A

E ' $' %0 JJ, @D' +-' +B@' BC ,,' CG' - ' @C+ A' E CD ' AD' E@ + Z AD' +-' AG' ? , C' A- @

! C@ ? ' 8 UC ? (Z 0 5-C? ' O C @? @Z L' C@ ? @Z = P' C@ ? @Z UCD ? @Z G' -BC@- ? -Z K' UC@@ ? Z UC@ ? Z Q ' C@ ? ' ^ C,G' 3 Z

' ' 0 -'>++@C' ' BC ,,' J @C A.' CGZ A-C? ,,G' @SJC@ @' - ' J AZ , C ? Z ? C+BZ -C -+B@C' ADD@A' @ ? -+ -A' , -Z +-' JC-D> @'>AJ,@ A+,G' ,->D' AD' BC ,,'>JJ@C' A-+@' A' A. A.'

E ' # ' @C+ A' E CD ' AD' E@ + ' &' @ ? +' +B@ C' B C +@C + ' BC ,,' CG

' # ' A' A A ? +@' +B A.' ' -' ? U@' 'A- @', U@' C@ ?

D 'D) 3! $ - 0 +B' - ? J,@ ? @A+ CG' D '-C' JBC'

/ ' -'@SJC@ ' -A@ @,' A.C ,GZ @S +@D,GZ @+ Z A' J@@ B' -C' C + A.' ')

' % $' T -'>++@C' +B' ' C@ ? ' , @ +B-

! C@ ,>@ C' 8 UCC ? *(' ^' ' 'N' " I # ' #A@' B-' C@ ? ' -A@' B-' A. ' A' BC ,,' J @C A.' +-A@

/ ' A' A ? ,' +B +'>++@C' ' CG', U@' C@ ?

" @A @' ! -C@ >,A@

! C@ ? @C)' AD' $) '$' ,. $ $ $(+B@' %C@ +@D' ! C@ ? @C

! ' !$' (' J@C -AZ A ? ,Z -C' +B A.'- '@S @J' + -A 3' X@Z ++C + @A@ Z @+ ' ' J,@AD D' J@ Y ?@A' @. ' ' @,, .C- A' -C' E@ >+ >,' @?. ,@ ' ; T B@ G' @,' ' ' , C.@' B' ' , C.@' >?'J '? -A@G

' -? J- + -A' 6'1' + C+, A.' ' &144 1 %'

B C +@C' 4'1'+BC ,, A.' '6))E' +-CGZ 1') C@ ?Y A. " 61 2 ' : '1'$)' @' :: ' &144 1 %'

*2 1! !::U'0 3)8/!!..' 1E' %1(56' 7 0' 0 ;' <+K D' -@ '12 !)' 6' @ 'A ' 0

* 18!) !!!4 '777 '0' G %I"

/ ' $' %(* ? D) ' ' @AD A.' +-'@S +@' C@ ? '

' E ' -,@A+' -C' + C+, A.'`C'@ @ +' ., C A.2

- ' !$' 0 5 C + C +@Z J,@AD D'

" @A @' ! -C@ ? A ., G' $ ('H B @ ,G' A' +B@' JBC ' C@ ? A .,G' >AAG' 8 ' JC@ ' O (

! C@ ? G' 8 UCC ? (Z $'(,&!!&D0 I ' =' 1(-C' (' 1 a' @A' +-' C@ ? A.' B A.' ' C@ ?Y A.' - @' -C' ->AD' B C +@C X@D'EG'@S ..@C +@D -C' >AD .A @D' @SJC@ -A' - ' A.@CZ - ? J, A+Z -C' +B@', U@' -,@A+' -C' ., C A.' A' -,->C'

" @A @' ! -C@ >,A@

! -C@ A@Z -E ' -C?' - '

i' ! C@ + # A ' 1 0YY' ^ ' ' , '+-'B U' B@?' ' @@' " Q V' " U)' -C' J ++ A.'

& ` ' / # o ' , $ &' (1' $! !)4

! -C-E@,Z C@E,@Z -E ' -C? ' - ' . ' 0!

0 -C@-BZ -E ' -C?' - '

+' ! C@DM ' 0 1 ($ (^D ,' C' - ' (

! C@ @' 8 UC (Z 1 0 , -')' - (-C @' ^ ' # Z . $' , AD , J' 8! Z / ' . +(-.A' ' . 1$'

' ? ' - 'D@+C +> Z -C? A.' ' JC@ J +-> Z +-AG' ,- V@ >J-A' ' ? ->A+ A D@' , -' +B@' ? +@C ,' - ? J- A.' > B' ' ,-J@

1 0 & ' 9 $ ' ' !)' A 0' " ' (' < &!0 & ,0 UC: I ' 8?8@ ' !) 1 !:RE' 6' 2 M!1 !1< !)4' '4 1 ' @ '21 6'! ' / !)'1 '2) X):E') /

! C@@ B' = . B+(' 1 0 5-C? ' ' M' Q' ! -C @-EZ C@ +- BZ UC@@-BZ Q K') UC @@EZ K D-EC@-+@EZ UC@D+- EZ Q ' C@@ E' ^ ' 'O(% ' !%0 %"

' ,->D' BA,,' CGZ > > ,,*C' -A@' @SJC@ @' - ' -,@A+' AD' >A -A+C-,, E,@' J A' -C' , C?

/ ' A ?@' -C' C -> 'E CD ' B A.' 'B C B' D Y -CD A+' CGZ @b. '+B@'O CA - ,' = 5%!$ - - $+(+B@' ! +' = "* !) '$* H' +B@' 3 @, + ? > B' =) ' , &) "' @+ Z - ' -A,G' $!(

K ' &' 0 ' B C BZ I> @ U A.' ->AD' ? D@' EG' - ? @' A A ? +@' -E*@ +2

!Z $ 1(AD' - 1(' ! ? J,@' ++C E Z +B' +B@ @A @' C@@ B A. Z ,->D' AD' D -CD A+'

E ' A' D ,Z A ?@' - E CD ' +B' C@ \ @A @' +-' +B@ C' B C +@C + ' CG' 8 ' @A @' O(Z ' - @@-E E CDZ +EC> EZ +B@'5 @,D C@'4) * !$C ' ' F+@- E

- U2 DC- ,@2 +BC> B2+B@ 3 @, +BC> B =)) , & (C@@ B D@ ,2 ? C+ A2 +B@ ! + = "* ! $*) (C@@ B B U2 +B@ .B+* C H $* -)!)) &*5' +(!@@ ' / $!0 ,E SK- = 7B ' 0 0(! + ! C@@ B 3 C+ A $ J0 = 7 . . 3 ? 0 ? ;;=)) , & - 0 B@ 3 @, BC> B ! C@@ B BC> B

. =E=-< ?70 0 0 C 30-(J 7?<(+ ;KKL 5 3 8 6) 0 !$)) ,2 ? @CG @ C,G E CD .@+ >J + +B@ C@@ B - D A

! C@@ B 8 UC +*(2 0 5-C? M =J0-D6 Q =70-D6 =J0 -D6 =D0 -*-6 & =J0 -*D6 =D0--*D6 ! =D0--D6 0 D67 D 17<?D(*7 7? 0 " '1

'! 0 ->++@C B CJ2 J @C A. CG2 - J A -C , C?: +- C@ ?-C ,, ->+ +B BC ,, - @ , - - > @D $' %0 - A A ? +@ +B A.

;PQQ :) . . !&h 8 * 0 OM E2 B-> @@J@ + + ,,2 +B-> UC@ B@ + BC ,,2 +B-> B ,@ + C-? B@ D +BGA@ B@ C@ M- = ' &' &> 0 2 - C- U@ +B@ +- D AD A .B+ C- @ C@@ B ,->D ;QN= &' 0 C& OK LN :>A@ O S B@ >C @ AD O 3 D B- , G A $--? E UY CD 2 @C@ B@ CD +- !UC @ B ->+ -A D@C E,@ + ?@2 A ?- + J + >, ? AA@C ;Q< 9 . 8& & AD C(& % &' &! ', 7 U ;Q<= OLO B@ DD,@ C@@ B +B C J+>C@ -A@ AD ,, ;KPL : < '' !! 5C 0 S S 8;KPM(;=M %C- D - >U AD -CG >,, 2 C@@ B A. +B @SY @ C E,@ , ?-C SKM = " 9) 0 $!! 10 &)10 ;;; 42 C@@ B@D ->+ ,, +B@ ?-C@ B@A C@?@?E@C@D +B@ I> CC@, +B + B D +--U J, @ + D AA@C SKKK ' . ?.0 4PO DC ..,@D B @ C@@ B@ + +B@ . +@

O $' 0 ->++@C 8 -CD -C @A+@A @(+B ,-AD2 BC ,,2 J @C A. ->AD

$ && . &' ' 1" 0 >%(#8W C@@ B@D B- C @ - @2 T D-A'+ G-> ? AD' ;)< ' &' '') - ;=< @S+ ? A>+@ B@ C@@ B@ 2T 7 B +2 B +2 B + - > @ +- >++@C BC ,,2 I>@ U A. A- @2 $ (;KMO) B66T<) A 5 ,+-A $,0 &) 8;KM=(;M; 7 B@A @A+ A+- +B@ B ,,2 / >+ B? A C@@ B A. -A @C+ A B D@-> ,G

,=J00*M=M/ 0? TR G

#A@ B- C@@ B@ 2 ! 0 AD6 0

;KM< : B B7 ! $ 3 &1 'H- 04 N + - B@ ,GY + B@C C@ A-+ JC-J@C,G -A. +@C 2 E>+ C@ , @D EG -?@ C +@C C@@ A@C ;K) 0 "$ - > <$00 OP A M O B@G C@ >AJ +C -+ A +B@ C G C@@ B@C E->+ 0>,. C A +C- +@ 4<NK ,$ - " :>,G OQ O B@ @ C@@ B@C C@ E@. AA A. +- ,@ CA +B + BG +@C C@ - , ++,@ > @ B@C@ C.>?@A+ -A @CA@D

/ D ,2 A ?@ -C @ @C , E CD B A. B C B C@ ? A. CG @ . +B@ ! + = "* !) $*) +(+B@ >,, E ,,@D @CA = E '$ $' ! ,$+(AD +B@ 3 @, +BC> B =)) , &) +(

;K=K N&&!& OO<N B@ -??-A + A ,-> @ +@C B C@(C@@ B@C ;KM= ? - 0(! C@@ B@C >,, E , @D @CA '$ ' ! ,$0

! C@@D A . 8 UCC+* C((2 1!0 10 ^ i ; a B@ + -A - +B@ E BC ,, CG A.2 B- , A.

SMbD <&& c ?$ ('D) & - $' 7 U 8 C- C+(;O O "@C - @ +B@ UC,@ B A. - A - ,@ O%>J ' 7 .. < & " 0 < "1 $ LNQ B C +Y + B@C - , +B B@C B- + A. AD C @+ B A. B@ J- , +B@?> U ;QPL 3 . . & - ' 0 &'0[(8;K;;(OO; " - B @ @@A B-,@ -?J AG ? D@ >A@ G C-? +B@ C@@ B A. - - -CU E@+ @@A -?@ J@C -A' A.@C 4QQQ 7 . 1. $ 0 *0 C& (SS S2 B@G ? U@ ?- + D .C@@ E,@ C@@+ B A. $ A 0 0 C 2 JC +B@@2 J@ @ 2 D %C .D ,, @2 B- -E -> ,G + C@D - +B@ +>A@,@ C@@ B A. - +B@ -C+BG D@ -A ;KQ; # 7 ' . - ! ' ' P= 3 -C@ E A. A.2 ?-C@ C@@ B A. - DD,@ AD DC>?

8 UCC+ .(2 $(^ ! 0 %" (i B + C@@ A@ "@A @ ! -C@@SB A. ,G $ 0

;K;M 0 A &,. $ 8;KL<(;=; 3 G -,D J@ - U2 B- B-- @ +- + E@,- ?G E@DC--? AD- +- U@@J ?@ U@ +B B C@@ B A. , ?@A+ + -A ;KP= 0 ? 0 (4 4 O;Q #,D -A@ CG ->+ C@@ B A. ,G SK) 7 : B 0) &* ON< B@ C@@ B A. JJ@ , B B .C@@+@D +B@ D - @CG - ->C ? D@?@ A->C

! C@@ B # , 4=7 ! =J0--D6 & =D0 -D6 0? U (4*-0-< ?701 7? 6 (!

A ?@ -C +B@ 0 CA # , = !) ,& %!$ - -) 5,@? A.2 5 AA (2 C-? + D -CD A+ CG2 >JJ- @D +- E@ - @ , -?@A

' O '0 (O; B@+ ?@ B@A ! C@@ B - ,@ CG2 AD 0 AD-. B- ,@ SMS &' &') - * ' 0 E2 @+ 0 + AD !UC@@ B # ,@ ?>C?>C@ + EC .B+ / G ;Q;;)) * 0 - Q J O ! C@@ B # , + 3 DA .B+ B , C?@D 5 ? ,G2 ?-C@ +B A 0 AD- $-EE@C ;QQL 9 !1& - (& ?$ " &' K :>,G2 5C-? +B C@ ? A. JC-E E,G C- @ +B@ -??-A J@-J,@' ? . A CG J@ @ - C@@ B - ,2 B B +B@G >J@C + + -> ,G +B AU ++@AD +B@ AD- - DG A. J@C -A 4KLQ 0 0 2 -A. AD@D2 >A?@,-D -> +B@ C@@ B - , 2 ->AD +B + JC-JB@+ - @ ;KQO 3 !" $ 8;KK=(P AD +B@ C@@ B - , C@ +B@ J@ A+ B@ U C+ -?@ B>C BG CD DC@ C

/ $' %0 JJ, @D +- E@ C@C - @ , + D A. 2 -C -A@ B- JC@ .@ ? -C+>A@

SM-M 0 0 S ;M @+ B ? +B + ,, C@@ B ->,@ G@ E@ ,,'D2 -@ A +- C-G2 AD G +B@C@2 "@ +-C D@ D ;K;< $' & SSS2 T ,@ ?>CD@C-> B .` C@J, @D 5C-A+ D@ 0 @> T D@+@ + E,@ C@@ B - , KW*M # . 8 0 $ '> & - *0(@+ PN - E@ J ++@D -C B A +- J>+ >J D +B@ ->,D C@@ B - , ' - - , B + ,U $ 1(

;Q<M 9 . & & AD C($ 7 U) K , + =N< # ! C@@ B - , + C@ & ++ B B-CA +B@ A. SKXP " B@ B C B AD D -A A - @2 AD +B@ C@@ B - ,A-+@ +- B B + @S ,+@D B@A B@ @SB-C+@D +-

JC-A->A @ ?-C@ D + A +,G ;KLQ # ! 0 0 2 B@A2 @ -AD,G2 B C@*@ +@D C@@ B - , #C + -A

2 8 UC: +: (2 $0 ^ 10 ") a # - @ @A +- C@@ B ,->D2 BC ,,2 AD D -CD A+ , - $' %0

$;KLN %- 906$ -0 8;KPM(;P= " - @2 .-+ J>++@C A. AD C@@ BG B@A B@ E@ ?@ @S +@D (M C $!! $!! <$00 O= JC ;N !B@ B ?-D@C +@ ?@XX- -JC A-2 C +B@C C@@DG AD C@@ BG A + >JJ@C A-+@ (,) " K # + K M , + -A - +B@ C@@ E @ + U AD

8 UC D(2 10 5-C? = C@ D@2 P C@D@2 M ,0 UC@ D2 -C@ D2 Q UC@ D2 K) UC@@D2 ! C@@D ^ C A+ - ' 0(0-L0 # \, $ H ! $ a

$ C .?@A+ >+2 +- ?2 -C EC-U@A C-? ? A J @ @ A , +@C > @2 +- ? +C J - -?@ +@SY + ,@ ? +@C , , - ,&!! (' 0 1 0 @S $!T

#\E\^ " " C KO= mV L @AG E@ + D@ ->C@D BG+2 B C@ D@)@+ , - ,-A.@ BG .-D@ E-DG2 @ ,@ + V@ ->C?@ - EC@D@ %4=LP &,0 A 7 C 7 >, U@C MPP X &, * - '(C@D@ $;=MN C&!0 C& - 8$-,, (OPO $-E@ ? D@ - C@D@ $;P;N F , &' , ', Q # B B E ,@ ->+ >++ + +B G A@ UC@ D X)M- / 9 '' $ LQ ! E- C B C D ,, A+- C@ D (A? # 9 $ " 0 ;MO " @ B E@@A -?@+ ?@ @@A . - A. E->+ +B B CD,G UC@@D +- - @C B ? ;K<= # 9 $ 8@D L(#8Z 0 G C@@D - B@C DC>. . + . -- A + A.,@D -A E, U+B-CA

E +C J - , AD J C @, - .C->AD

;MSP + M $**$ & OON B-> B E2 +B-> +B + EG @S+-C+ -A . A@ !-?@ !UC@ D - AD +- E@++@C +BG D@? A ;M== ! $ " 8;KL# ;OM -C+B ,@ 2 +- A A 7 A@ ^7 ,A@Ga @, AD A CC- C@@D - , AD ,G A. E@ -C@ 5-> A@ ;Q<L " " &' 0 e LLQ B@ @ @A C- B@D >J-A +B@ @ " , 2 EG + U A. -8 J C ,,@, ! C@@D ;K=L ' &!' 0 &*& 0 0 C$* M= B@ +C A.>, C C@@D - , AD C A. -A +B@ A-C+B D@ - +B@ %C- , B ,,2 +B@ A @A+ ! A@ .C>A - A -,A 4KK< / 0 -) 1& &) ;MP B@C@ ,-A. C@@D -C +-A.>@ - , AD ,,@D 0 B-J' 3@ D-

% A @D. A.2 E-CD@C A. +C J +B@ E-CD@C -C C ,, - - ? A' J $!(

; # $ ' <!& 0(. E-CD@C -C BC@D - ,-+B %]&% + ! " (($ B@ C@@D2 -C - +B@ J2 +--D I> C+@C - G CD EC- D C->AD +B@ @ , +B@ @ C@C ;KPP 1" <!& 0(, (E-CD@C -C@D .@ - J J@C2 -C -+B@C , + >C @ T J C@@D

O % 0 ,-A. C-,, -C, + ,@A .+BG D ->C @ -C B C A.>@ .- J A. ,@++@C -C J @ @ - C + A. $ 4QK< A $- ! '& G >+B-C J 2 B@C@ ? .B+ . @ UC@) A ?@ # " 0 A " AA - (8;K=<(O<L 3 C 3 A -A +BC@ +@A ,-A. C@@D - J-@+CG -A +B@ >E*@ + ;K;M $-0 0 OK /@ 8;K<=(L<O B@, DG ->,D A-+ E@ U@J+ C-? ,D-A " ,, B@A +B@C@ AG -C+BG 2+- . @ B@C C@@D - D- +C A@ 4KK= 0 "$ - % <$00 L; # + Q ; 7 B + 3 -A+ .A@ ?@ A+ EG B T@?JC>A+ -?@+B A. ,+-.@+B@C D ,@C@A+ C-? 3 C C@.@,, ' .C@ + C@@D - C EE A. %&R F 0 , $ &' 0 ;;Q $ B CD -A' C@J,G C@@D - ? ,@ -,@A @

E J @ @2 J-C+ -A 8- , +@C CG -CU(

;KO< " '!0 ;# :>A@2 +@C D AA@C +--U C@@D - ?G A- @,

+ N 8DC AU A.(E->+ 1 0

;KSP <)" (SS 2 @+E A. -A > @ ?@ >A,@ + E@ C@@D -'DC AU + A -CC + ?@ ;KOL ' $! SSS6 2 " D B@ A- D@@+ ? A. B AD A -A@ - B C @D +B@ CD - " 9 ,J +C U2 '? >C@ AA +B AU B + ->,D B @ -?@ - ?@ AD ?G C + @ ;KOK : O & 0 - 1 (7 U ;KPM P< UC@@D A AG C--? - B B-> @ ,@ C ?G E@ D -C ?-A+B

L C!$ ' (A >C +@,G ,@ @,,@D +C J - J, +@C -C?@D >J-A ,, -C @ , A.2 .> D@ A C>AA A. -? @ -C A -E+ A A. J@C @ +,G @ @A >C @ A J, +@C A. +C J - --D > @D -C +B@ ?@ J>CJ- @

; & V . 0 5 ,0 LNK 5,- + A. !UC@@D D ,@C C-? -CA @ UC@@D A +B 2 +B + +B@ -C?@C +C J - J, +@C2 AD +B@, ++@C --D@A C>,@ -C C>AA A. +B@ -CY A @ 4K=M C ' ' " " ,!0 !>JJ, =L; O @D.@ -C ? C. A - J, +@C2 ,,@D C@@D 2 C@ -C?@D + +B@ A.,@ " T $ &' @+ (MS B@ -CU ?> + E@ -CC@ +,G J,>?E@D >J EG ?@ A - , + B@ D@D A , 2 AD C@@D -C+B@ .> D A @ - +B@ ,- + A. C>,@ -C?@D +B $-? A @?@A+ E & - 10 C@@D -- +2 - + - J, +@C ? D@ ,@ @, +B +B@ C@@D = ' ((;K<;(

8!@@ I>-+ (

c&R% "0 ?!$, .> $ *0 = ?) ! 0(& - $' 0 <O B@ -A C@+@ 8 -C +B@ ,--C B->,D E@a +BC- A -A AD + >JJ@C >C @ EC->.B+ J@C @ +,G ,@ @, EG J A. T C@@D '2 -C, C.@ --D@A +C .B+ @D.@2 - @C +2

$ $,0 ^5C-? +B@ @CE a C@A+2 +@ C , - % 0 @ 1 0

$;Q;) %& $ 2 "@ B D ,@A+ A@ >+ !UC@@D2 7 B E D .+) A B ? EC-U@A "@ D 4QKM B &!" $ 2 1@2 -C ?G U@2 B @ .,@A +B@ @ U # " +B@ +@A -?? A' C@@D -?@D G

. ,(->AD - +B@ +@ C A. - , -+B B@A @2 AG ,->D2 BC ,, ->AD" 8: ?2(2

$;KNP = . . C& - 8;K==(;OP 5@ C > G@ A. + ,, -?@ .C@@D B@ A-+@ C +C>@ 7 B A .C- A ? C E >,D2 G@ @ C@@D B + J,@ @D A @ 1$ % Rb : V C& - ;O 8: ? (B@ C >D.@, EC AD E D 'E--A +B@ C E@ D 2] B@ C B-CA @? ++ A ? C+ , C@@D

8 UC D(2 (1 (@S $E 5-C? P C@D@2 K UC@@D* K C@@D2 ^#C . C - ' C@JC # %$ $': A , +@C > @ N G $' 0 - BC@D2 +@ C2 C J2 '4=LN 2& &&. " ? . 0 LN U@ JJ,@ 2 \' J C@ B@?2 A ? , C@D@ B@? A ? - @,,G 2 SG $! ' S A

%B ,D ?$!!$ O;O O AD ->+ B@ +--U , ++,@ J@A UA @2 AD B@ C@@D@D +B@ AD A. B@@+2 E ' 0 -C % 0

(&1 & "SSS " D : E@@A A -AG - G->C C-++@A 5C@A B ?,@+ A- 2 -C G->C DC E D@ E@CC @ 2 + ->,D B @ C@@D@D , U@ A >,D C . @ .B+ ? A@ / ' 0 - JC-D> @ ->AD - +@ C A. ,-+B "@A @2 - ?> , A +C>?@A+2 +- ? U@ ,->D BC ,, ->AD

$ %_RM $ &'> &!! 0 ,0 C& - LK + ? D@ ?@ 1@,J2 AD 1@>,2 AD 1@,, AD !U C, AD !UC@@D ;QPM C '' ,) .> &!! , 0 ,0 C& - QQ "@ . C'D B J J@2 B@A B@ D D J, G2 0 +B AD UC@@D ;KLP # 9 @+ $ 8 & $' 8;K=;(QQ2 ? AD +B@ @CC +>A@ +B + +B@ DD,@C J, G@D +- > 2 @@, B@ CD +B@ E- C@@D A. - @C +B@ +C A. +B@ A--

& , &%%(2"H+- . @ >D E,@@SJC@ -A+-2 +- C@, +@ -C C@J@ + 8 ? ++@C(C@ D ,G C-? ?@?-CG $ $2 - 7 B C& - 8;KNQ(OL< ! A. +B@A2 B- 2 -A +B@ ->C+B - :>A@2 # >C E@,, C@@D A ,-G , +>A@ ;KL< . . A ! 3? ' . !@C P B@C@' A @% CC + B I>@ + -A2 A-C >,D ! -++ B A. 0>+ +B@ ,->A C@@D G@ A +B@ +C>@ ,- , AD + A.

! C@@D A . 8 UC D .(2X) C!$ ' (^) 10 N " 7 a B@ -C? A. - +B@ C@@D

% Nb : V .0 M%_ 7 B@A +B@ C@@D A. A B@D2 -?J- JC@J C@D A , C.@C I> A+ + @ AD +B@ -CU ?@A JC@ D + - @C +B@ ,, A +B@ J @ ,@ + E@+ @@A @ B J C - C@@D

! C@@A 8 UC:A(2 5-C? 8 = -C@A(2 P M @C@A@2 P Q UC@A@2 UC@@A@2 M C@A2 UC@ A@2 Q UC@ A2 M Q C@@A@2 Q BC@@A8@2 K UC@G>2 Q < UC@@A2 Q C@@A , -M Q @C A@2 UC A@ ^# D >,+@+G ?-,-.G B@ @A @ -CC@ J-AD +B +B + - 5 , $'(#5 , $' 8;L;K A " +X / C? (2 A .,- C @ , - , '(, ' 8/> % A.@ ' *)-(' "* $(-D@ C . @ -A@ A + A @ - , - @CA2 A +B@ ?@ @A @ B@ 3 2 . ' (. '(B- @ @C2 D-@ A-+ D? + - E@ A. C@. CD@D A D-J+ -A - AG - +B@ @ -C? +B->.B + ? G C@JC@ @A+ -?@ 5 C A+ -C D@C + @ B@ -C? B JC-E E,G E@@A A ,>@A @D EG -A > -A +B ' ! B@ +2 - @C

B@ #5 , '(, ' 8 B@A @ , $' + JC-E # " 2 . - (. - 8?-D , - + - +B@ ?@ ?@ A A. +B@ @A , ' JC@ >? E,G D@C + @ - +B@ ?@ -CD , -A+C A @ -C CD A. - +B@ B@ + - C@ -C DC >. B+ - C J @ @ - >CA +>C@ -AY + A. > > ,,G - A >JC . B+ E- CD -C - C ?@B>A. +B ,@ +B@C2 A 2 ,-+B2 + J@ +CG2 -C J J@C2 -C - + - -C ?-C@ > B E- CD -C C ?@ B A. @D +-. @+B@C % - "

B@ ?@ A A. - +B@ -CD A I>-+ ;L<L ;=NL >A @C+ A + A-+ ?J- E,@ +B + +B@G ->. B+ +- E@ J, @D >AD@C - @C A I>-+ ;PLN +B@ ?@ A A. ? G E@ C@.> CD >C 0 1& (8!>C+@@ (;<= 6A>? UC@>8 $ UC@Aa @CC@>? H %&` & ' $- ,0 ON2* UC@A@2 +* %]$$ &,0 A 7 C 7 >, U@C PM= O= ' * $(@C@A@ ?%]]R C &- *0 C$ 0 =PN O !@C@A@ 2 ') $0 >c]MR ?.( ) $ " =MO A ?$1 ?.0(AD >@, +- BG?A@ BG? ,,@ +-.@+@2 AD @C@A@ A ,- +-G >@ U- E@+@ 5C- *& ,-CD@ + ?@+@ B@A B@ @++ %b<R . 7 A>5 !UC@A@ ? D@ - G C +- J>+ EG+ @A@ +B@ GC@2 , $'($' 0 %MR< 'O) A .@ ' $ 8;KOO(OQ +?2 -A@ .C@ + ->,D A. UC@@A@ - @ @A ->,D E@ +$ (,,$ 0 (S 8;MLL(OKO B C@@A@2 +B + + AD E@+ S+ ?@ AD +B@ C@2 , U@ -?@ .--D C @AD + +B@ %->C+2 B B U@@J@ ?@ C-? +B@ B@ +@ - +B@ >A*> + D J,@ >C@ - +B@ .C@ + [Q+S - OP >. O ; AD A !UC@@A ?> + E@ J>C B @D +- > @@D EC B ? AD ^-A + J@ +CGa % b] &) 0 & (P)O E,@ 2 B C 2 J-,@ C@@A AD B@ , C@@A LL R M 0 V OLN B@C@ DC >.B+ C@@A *> + + +B@ D--C

E C ?@ - @C@D +B J J@C -C ,-+B2 -C D U -C J, +@ - +B A --D2 CDE- CD2 @+ 8- +@A D@ -CY +@D +B J A+ A. -C @?EC- D@CG(+B B AD,@ EG B B J@C -A ? G B-,D + E@+ @@A B @ AD +B@ C@ B AD C@@A , - JJ, @D +- ?@C@,G -CA ?@A+ , C+ ,@ ? , C -C? AD ? +@C , %b? ($!0 ;=N< M; -, +,@ !UC@A@ - ,U@ +- B-,D . A +@ +B@ @C (M (" - &) " S 8$-SE(KL B@ C + A-? A +@D C@@A@2 + +B A. ? D@ C->AD - C J@D J J@C2 AD @+ A A B AD,@ +- B-,D E@ -C@ D @ @2 B@A B@ + A@@C@ +B@ C@2 (2A * , $ & LLM 5 O ^ B@Ga J, .>@ ?@ +- B@ J@A @ -C E>G !UC@@A (F 9 ?! $. &0 2 + B + G->J@-J,@ ,,, B AD B@ U +-G A. +B B@C C@@A # --D@A @ + -C @+>@ +B B .B E U +- U@@J G DC >.B+

5 O " <!& ( ) / N. __ . '(1 /1 3 2 ! / 1 ($ % _& : R 9 &* 0 & 31.0 !>JJ, PSO

D -A+C A @ A +B@ -C? - C@@A 8 @A @ (2 -C -CD A. A >JC .B+ >C @ -C +B@ D J, G - -E*@ + -C @SB E + -A + @C+ , >C @ JC@Y J C@D -C +B@ C@ @J+ -A - ? .@ C-? ? . , A+@CA -C +B@ , U@ C ?@ -C JB-+-.C JB C@ @?Y E, A. -,D A. C@@A

;KP< $ B <)) 0 C & 0 < &!0 8@D O(=M B@ C@@A -A +B@ @ +@CA ,, @SB E + +B@C> @+ AD E CD' @G@ ? CE,@2 A +B@ E @ SKKK $ "OP # + LQ= L !-?@ - +B@ ?- + D@, .B+ >, J A@, C@@A -C JB-+-.C JB ; @ @C @+ @G@ -A

@ (8!@@ I>-+ (4KKL !<!& 0 &$! " (, ((,-+B EC ++ @ -C >C+ A B>A. C- C- D A ?A@ +- D C@ + +B@ @A+ Y , + -A

/' ,.0' 'J C++ -A'-' --D'-C' +-A@2'J @C @D'EG' -A@' -C'?-C@'D--C 2'D D A.' 'C--?'-C'E> ,D A.' A+-' + -'J C+

,'S=)'? 0') $ " OK A'? $ AD' +E@A'EG -C@'+B@' @C@A@'(V-> +-AD@' A'?GDDG' B ,,@' ;PPL' . '+C'? 0(<$ ' ' -0' " *E2' ' ? '%-?J@,,@D' +-'+ U@'?G' C>+B@'+-'?@2' B A' A@' -??@+B' . GA@' +',@GA.E+'J@@J A.' E@BGAD@' +B@' @C A@' ;P)' $"'$'"' & . & ' &&* '== 7B@A' E@' B DD' .-++@A' -?@' ++@'?@ +'-'#'+B@' @,,- @' + E,@2' ->,D' .-'+-'+B@' UC A@2' AD' C +' J@' B '?->+B' -A' +B@' -A^@a' D@' AD' +B@A' #' +B@' #+B@C2'E@ >@' B@' A+@D' ' A JU A' ;L<M' 1 'X'3 'L 'LQ' !+C@ .B+'+B '-+B@C' ,@D' G2' AD'C A' A+-'+B@' " ,,2' B@C@'B@'D D' @@A@' " ?' @,@' +-' >@'E>+'B@'+B@C@' ,@ 'B ?' +'+B@' UC@@A%' ;MK=' B ;; ;;K' "@' , G' ,- @D' .--D' + ,U2' AD' - +@A' ->,D @+E@B AD' +B@' !UC@@A'+-'B@ C' +' SK S' B '? '((0' +'==' O@B AD' +B@' C@@A2'-C'T A' +B@' C@@A '' ' +' ' ,,@D' +B@' +-CG' ;KQP' B ' &' 0' 0' 'S>' 8;K<Q(' LKN' B@' A ?@' m B A @,,-Ca2' D@C @D' JC-E E,G' C-?' +B@' ,$', !!"' -C' UC@@A' E@B AD' B B' +B@' @ C@+ C ,' -CU'- '+B@' C-G ,'B-> @B-,D' ' CC @D' -A

E ')%% ' 8!@@' &6 ; K4 % ')I D

)_/' 1 (' $ "'O=' /@ 2' B@G'.C@ +,G'C@ @C@A @'+B@' %C> S'- @C'+B@' UC@@A@'- '+B@'F> C@' ;QMK Q;" ' 9 .1 . ')C ' ' , ('C$ ' (8;QKM(' 'OMP' "@' -?? ++@D' +B@' ?@'@CC-C' +' 7 A B@ +@C2'+BC> + A.' ' C@@A' A' +B@' $-? A' -C' C@ A'+ +@' A+-'+B@' ? DD,@' - ' +B +' +B@DC ,' ;KOM' && 0 2' -' C' C@@A '- 'E@ >+ >,' >,J+>C@D' - U' E D' E@@A' D@ +C-G@D' ;<NK' 5')' = ! +' ! C@@A ' AD' ,,@C @' A' A., B'%B>C B@

' ' ,,' +BC- A' ->+' A' C-A+' - ' ' E> ,D A.'

AD' ? U A.' +B@' < D@'

;M= '$' 8 ' &- , (L;K' , '('C- '-' -,>?A ' +B' +B@ C' -A+ A>@D' @A+ E, +>C@2' @C@ +@D' ,-A.' +B@' +-J'-' ' D C ,,2' E@+ @@A' B B' AD' +B@' D @,, A. B-> @' ' ' ->C+2', .@A@C ,,G' ++ B@D' +-' J , @ ' SKKM' % ' I ' &' &% &3 $"'SSS '8@D' L(' OKL' B@' C@@A' -A' +B@' 7 B +@Y B ,,' D@' ^- '+B@' D? C ,+Ga' 1 'SSS 'O<P' /@ -A B C@' " -> @2' ', C.@' ? A -A' +B' ' C@@A' A' C-A+2' +'+B@' -CA@C' - '!+' : ?@ ''

' U' , '31$ "'8 @A @' Q' E@,- (

;KQM' -1 '\' 3 ' ! 0' ('8@D' L(' LP' !? ,,' -J@A A.' C@' ? D@' A' +B@' C@@A ' -CC@ J-AD A.' +B' +B@' @?EC >C@ '- '+B@'E ++@C @

$ $' %($ JJ,@D' +-' AG' -E*@ +2' A +>C ,' -C' C+ ,2' +B +' -CD' B@,+@C' C-?'B@ +'-C' AD $? G' JJ, +-A'-'+B@' -CD' +-' ' C' -CA'EG' ' -? A'- @C'+B@'B@ D'B 'E@@A'@ B-@D'EG', +@C' C +@C ' ' ' +' @C@' 'D ,@ + ,' J@, ' @A @ $/J ' . ' ,0 -1 !!$' ',G++@,' B D- 2' , -' ' UC A@' +-'U@J@' G' +B@', .B+' - '+B@' -AA@')$%&A' -B.. ' &!"' !' C &% (' ' ' ;MQ' '!->+B AD- 'A' >??@C2' A@@D '+B@

+B@G' -CD@C@D' 'J , -A' +-'E@'C @D2' ' ' C@@A' C-?' +B@' A+C> -A' - 'B 'E@ ? ' SK K' ' 0' ('SS 2' "@C' + C+ A' C@@A' @C @D' ,,'+B@' J>CJ- @ '- ' 'C D A. B E +2' AD' - ' A'>?EC@,,

E ' !-?@+B A.' A+@CJ- @D' -' '+-' -A @ ,' C-?'

@ ' , -'% (

;MNP' ' $, (' ' 'S' - 'A@@C@'@A->.B ' ->C+@ >G' !UC@@A@ '+BC- 'D- A@2' AD' B@ ', U@'+B- @'G->' C@' ' ;MQ=' ' 0' , '8;MQP(' <;' ,,' B A. ' C@' A U@D' AD' -J@A' E@ -C@' O ' G@ 2' AD' +B@C@' E@' A-' ,, ' +-' @S ,>D@2' -C' !UC@@A ' +-' B D@ A-C' / + A @' +-' - @C' -?@2' E>+' ,,' B A. @I> ,,G'A@@C' AD' C 'NSQN=' ' 8 ' '' '? $) 7 U ' ;QLN ' =' @S+2' - @C' ,,2' ?> +'&BCGA@' ' U A'E@'DC A' BC->.B' B B' ?- +',- @,G' AD' >A +B >,' C@@A' B@' C ->'J -A '- '+B@' ->,' C@' @@A ' ;QKK' B ' *0'$ (0' $ ' ' cV !!(' OK=' B@' C@@A2' +B@' @ ,' JC@ D' E@ -C@' +B ' +C A + -A2' ' +-CA)-J@A' EG' +B@' @CG' J@-J,@' +B@? @, @ 2' B-' C@' +B@' +--, ' A' +' SKSK' ' (' (' S 2' B@' >A' @+'E@G-AD2' +B@' C@@A' - ' @ +@CA' B ,, ' 4KP4 < .. 7 ' $!"'OL' "@' ->.B+2' +' ->,D' E@'D >,+' +-' G' B@+B@C' ' -? -C+' -C' ' C@@A' A' +B@' -E @C A @' - 'C@, . -> ' JC + @

- ' ' ' ? ,,'E-DG' - '?@A' D@+ B@D' +-' - @ '

+B@' ? - @?@A+ ' - ' A' C?G

;K<O' (" ' `'J 'C , ' & (' $, , ' % B@'D J@CY -A' -A' ' D@' C-A+' B B' !' A@ @ CG'+-' -E+ A' B +' ' .@A@C ,,G' ,,@D' +B@' ,CG' C@@A' A@ @ C ,G'@A+ , ' @ UY A@ ' SW<=' ' & (' $, , '8@D' L(' ;QP' C.@' E-D @ '- ' ' A A+CG' B@A' +B@C@' ' ' J- E ,+G' - ' -A+ +' +B' +B@' @A@?G' ,,' E@' - @C@D' EG' B +' ' A- ' ,,@D' ' C@@A' - ' +C--J ' A' @S+@AD@D' -CD@C

D ' ', A@' -C'E@,+' - ' +C@@ ' J, A+@D' +-' . @' JC-Y +@ + -A' C-?'+B@' AD

;M=='' 3 . ' $ "'OS' 3 C2' 'JC@++G'. CD@A22' B A.' +' @,@ +B@' @A+C A @' ' UC@@A@' +' A' @S @@D A.'B@ .B+2' >C +)G' >++' A' +-J CG' -CU@' ;Q<;' 7 ' < .1 ' & ' ' "',, ' QP' A' 'J C+' - '+B@' UC@@A2' B B'D D@ '+B@ @' .C->AD ' C-?' +B@' C- D2' @'B @' A' -JJ-C+>A +G'- 'C@? CU A.'+B@'D .C@@2' E,@' @ @ +'- '+C@@ 'J, A+@D' ,+@CA +@,G' ;K=O' : ' 9 . (& '8;KPQ(' O=M' ! C@@A '- '- U' AD' G ?-C@'+C@@ ' SKW' <$ ''OK' : A'MP ;' ,,' C@@A ' - '&C @+2' O@@ B2' " -,,G2' 1@ 2' \% '+-'E@'U@J+'+B U' ?> +'E@' >+' AA> ,,G

! ' % (' '?@ A' - ' @ >C A.' C-?' ++ U2' J>A BY

?@A+2' -C' @A >C@' , -2' AG+B A.' B B' A+@C @A@'

-E +C> + A.,G

SMS-' 9 ' -*(' +';NQ' -'E >@A-'! BC@@A@'E@+ @@A' +B 'J C+'B@'J, D2' AD'B ?'B@'J ?D' +' -C2'B@'A@@D ,'E@' E -,>+@'3 ,, A' ;MOP' + ' (% ' "=V (+'P;=' B@C@' E@' -'? AG' !UC@@A@'E@+ @@A@'B ?2' AD' A G' S +@' ''(3(' ' 0' 0 O;L' -C+B,@ 'C ' B-'B ' ->AD ->+'+B@' C+'- 'D@ @ A.'>AD@C'+B@C@' C@@A'- 'A) ,' >+B-C +G' ;KSQ R ' ? (' $' ' 'MP;' @' ->,D' A-+' B @' C>J,@D' +-' -C?' -C'B ? @,' ' C@@A'->+'#'B '- A' ?E .> +G' ;KQQ'V ' & - ($$,& -1' '' O=' B@G' >CA B@D' 'C@ ,' AD',@ , ' C@@A' -C'+B@' JC-+)+-A' -'+B@' %BC + A' !- @+G' [KQK + M ' $' $ ' $' 'bM B@C@' A-',-A.@C' C@@A'E@+ S+' ->,' AD' ->,' '+-G

E 8 (!@@IA-+2' Q - 8)(B J@C-A'T'&', 3) (

;QSN' ' $!' ' - ' 85' D +2' ,,' , @'O>G@C' ' +' > + -A 'E@ A.'@?J,-G'D' -A,G'+-'E D@' -+B@C' 2' C@' C-?' +B '

'

/ G' -C CD' +-'E@'UA- A' A' 3C' O U@C + ' 7C+A. 'EG' +B@' 7 -CD' ! C@@A ' (' > ' S 2' ' ,, EC E@ -,D' 3 C+B ' +B' ' >J'- '+@ '+-' U'EG'?@' AD' E@'G' C@@A

P ' JJ C +> ' > @D' A' +B@' + A.' - ' .C A2'

- ,2'@+ ' % ' 10

$/>$' B ') 10'8 KQK(' LQ' ' U>++,@' -C' UC@ A@2'+-'C D' -,@'C-'+B@' -CA@' ;MMQ' : 'A'C !(' $' 0' '=MM B@' !UC@@A ' C@'? D@' +B' + -'J C++ -A 2'+-' @J C +@'+B@'D> +' C-?'+B@'%-CA2' ,5 ' # ' ' $"[? N+'S-S ' C ?@2'? D@' ,,'-'? ,+' C@*>+' 'B @'@@A' A@' ! C@@A ' +-' C@@A'%#CA@' A' ;QMN : ' A'C !(' $' 0' 'PLK B@' ? ,,@C' - ' @D +@D' C-?'+B@'D G'EG' UC@@A2'-C .C +@D' B-@,' ;KNP' F 9 'C $, 0' , ('&'S ' B@' -CA' J @'+BC->.B'+B@' UC@@A' A+-'+B@'B-JJ@C " ' ;K== $' $ '?.($ -' ')=Q' B@C@' 'J-C+ E,@' C@@A' -C B CJ' -'C DD, A.' AD'D@J- +A.'+B@' +-A@ @ ;KQL' / !" ' $ (' ' ' ' ' A' ?JC- @?@A+'B 'E@@A'? D@ 'EG'+B) >E ++>+-A2' +' @ @C ,' ? - ' C@@A 2' +B' J@C+>C@ '-A@ I> C+@C'- ' A' A'B' A'D ?@+@C2' A @ D'- '+B@' #A@ @ .B+B A@E' C@@A 'B@C@- -C@' A' > @

E ' A' CC A.@?@A+' - 'E C ' +'+B@'@AD' - ' A'- @CY ,- 'J?@2'+-'JC@ @A+'+B@'@ J@- ' B' C-?' 'J-AD (' ' - (*' B@G'B D' .-A@'+BC->.B'+B@ C@@A' +'+B@'?->+B@'- '+B@'J J@

1 ' JJ,@D' +-' C->'J-C+-A'- '-J+ ,2'@,@ +C Y

,2' AD' -+B@C' A +C>?@A+ 2' @C A.' +-' A+@C @J+' , .B+2'B@ +2'@,@ +C +G2'@+

' ;KS<)L' 8 ' * , ' A' ',",!(' &*(8;K=P(' =Q= O' ' UC@@A' - ' . >+@2' -C'.>??@D' ?6 ,A'J- +)' @C+Y ' ,,G' ;KQK' ' ,",!(? 0' "2' O< ' 7B +' C@' ,,@D' @,@ +C ') C@@A 2' '@' B@@+' ' *A@+ ' > @D' +-' D@ @AD' @,@ +C ')' A +C>?@A+ 2' K+ 2' C-?'@S+@CA ' A >@A @ ' ;KQ< $!!' ' , 0'),0 'S8&B-+-.C(' ' C@@A' - '.C->AD' ,' ' ;K<L' ' ' ! 0' ' 0' ' ' ' ,@ +C 2' ' C.@' J, +@ -C' ' B-,,- ' @'-C' .@' -' -AD> + A.' ? +@' -AA@ +@D' +B' +B@' @ C+B2' AD' > @D' +-' JC-+@ +' AG' E-DG' J, @D' +B A' +' C-?'@ +C@- ++ + ' A,>@A @ ' 4<NO' ' , ",!(? (4 4 ,' P= ;' ! C@@A ' B B' E@-?@' ,>-C@' @A+ >AD@C'+B@' A ,>@A @ ' A .@' ,' C-?' A'C G C@' .@A@C ,,G'? D@' - ' J, +A 'G A D@

2 '$ 1(AD' &' 0' ' , '31)! . $ '3 &&

'3%$'"% ' , *E '$ &'"'3 $* '2$!! '3 B)& .'8 , -' % 2(' + ' , '3%$, '+' D* ' C@@A E ++@CG

' 8 @@' I>-+(' C@@A @ ,2' 'J C+' - ' .-, B@C@' 'JC -A@C' ? G'E@'U@J+'>AD@C' -A + A+' -EY @C +-A' ' -C@@A -B ?E@C2' A'@A ,- >C@' -A+ AY A.' ' C@@A' 8 @A @'P(' -C@@A -,-+B2' '8)(' +B@' ? +@C ,'>' @D' +-' C@' ' C@@A' 4%+' ' ' ' ?' + B>A.' A' A' C G'+-' JC-+-?@' @A+, +-A' -C@@A ' ? A2' ' -CU@C' +'+B@' C@@A'8!@A @'P(2' * ,(A'+B@' &$!3 $ I ': '[C@@A J@C-,8 @@' I>-+(' C@@A +- @C2' -'@,@ +@D' E> ,D A.' -A+ A A.' @C @'-' C@@A '8 @A @'P(

;KQM -1 '\') ' ! 0' ('8@D'<,'<=' ' C@@A' E ++@CG' 'J C J@+' -'@ C+B'C>AA A.' C- '+B@' C-A+' - '+B@' E ++@C @' AD'+B>' -C?' A.' ' C@@A' OQNQ' ',"D!(? ('8@D' L(' 4 '=N= ;' B@'E@ ?' E C2 B B' -?@' >AD@C +B@C@) C@@A' E>,UB@'D' ;K<O' C$!!' $!!'<$0('=' # +'P L' "@' ' -A A@D' A' ' C@@A' @,,' ;KQQ' ,' $ 0' ' ' ') ' ' B@' C@@A' C@' JC- D@D' +B', ++ @D' B-JJ@C ' B B' ,,- ' ' >CC@A+' - ' C'+-' ,- ' C@@,G'>J'+BC->.B'+B@') C@@A B ?E@C ' ;MNL' ' ' C@@A' , A' .@' - '8S!!O(OQ' UC@@A' ,-+B ' - '.C@@A'U@C @G' X!)'C$!!' $!!'<$0(## JC

- ' C@@A ,/+,) 'J,@A+ >,' >JJ,G' -'?C' ->,D') @'E@@A'-EY + A@D ' ! ' 0 ' ' - (! (7 ,' +' @,@ + '>A - D E,G' ?J C@D'EG'+B@'A+@C @@A@' - '+ -'J C '- ' C@@A'D--C ')(M (: ' ! &2 %0' &1 ($!) ' &'"'O'=E' ' ' +'BG'J C+2'+B->' C@@A + A+-'+G'A- @2' -' B AD@C B ?'+B + >@'+B@@' ,,'+B->B +' ;MM=' B . ' ' 'LMQ' C@' @ + A.' A+B-CA 2 -C' "! C@@A) A'2 3 D@' E@++@C'+B@C@'+B A' ,+' C@' 5C A @ ' ;KPM' : ' ' ' ' ' ,' 'K;Q' ,-A.' +B@' D@'^- '+B@'J, A+ + -Aa'?-+'@SY J- @D'+-'+E@' @ EC@@XG'@C@ +') C@@A' @A @ -?J- @D' - ' +>C'^@+ a' (M (# ' $&" 0('C->AD' -C' UC@@A@' ,U@' -CA ?@A+' - ' @ +B@C 2' -C @' ;)' +B@'7@ + AD A' ! > .@' +'+B@ C'E U@ ' ;KP;' M ' &$!3 $ ' - ' & !- -1(') .(=K !UC@@A?@/2' ;K<;' $1&) &- - &' '<!& (' ' '-C' ' -'?'2@A'E AU B-' B- @,'+B@' - 'D @C +B@' ' +'- '+B@' C@@A' A+-'+B@' .-A'A' +B@'A'+B@?' ;K<;' T '?1!(' ,* (OO< T , '3* ,.(+B@' -C?'- 'J@C B'>W@D' -C'B U' B@A'U@J+ A' 'C--?' 4Q<<' ' (C '=LN!- +@A'+B@' C .->C'- ' A+@C2'E G'B@,+@C A.'+E@@,- @C' C?' '+B')UC)@A' J, A+ + -A ' $ 'OP' # +' LQ= L' ' ? ,,@C' C?@2') C@@A' B J@2'+- E-,D' S' '?'D.@+" JB-+-.C JB ' ;KQQ' ' $ (' '==Q' ,,'8+B@' -C@a' @,@ +@D' -?' @ @ @A+G' @@'+-'+B@' +-J'- '+B)' C@@A +- ,C' 4<N#' & . 0' ' & '"- E'4 'LNL' B@' CQ@A E@+ @@A'+B@'J ,,C' '- '@ A' @' 4M=K !K' ' ['3' &" ' B@' -J'-' ' ' ?' BC@@A@ -CU@' =KPN C$. >' <!& (('8@D'P(' '=SM B@'-,D@'+J @ @' ' C@@A -CU'+B@ B ' E@@A' A-+ @D' ' ' ' +'%-?J@'?@' B>C BZ !>CC@G' SKWK ' ' (' ('<<' 'LP=' 6AB JJ ,G2'E@B AD'+B@' C@@A ' -CU' - ' +B@ @' J--C' $A+ ' B-,@' C B' A >C@ + A ' E, X A.' A'? DA@ ' AD' >CG' ;<N=' U, ' ' 0' &'$, ' %' ' ;' LN' A' -?@' J, @ 2' ' ' +C>@)' @C+ A' C@@A -CU'

D -A' JJ@' C'+-'B @'E@@A'D@ @D

! C@@A '8 UC?(2' $' (' ^'%-AA@ +@D +B'! + 0 ' 1(AD' +ba ' E AU A-+@' %B @ ,G' A'D) ' ' ' -C.@D'E AU A-+@

((N : ' 'K , !$ ' ' >,%0'A) ' , ' (-b@D'O AUY A-+@ ' \ E@ ! ' 'C(<!%%& ' ((($ 0 ,' = 1 ' +C@+ B@D' -C ? B A.'I>@@C' C@@A ' SK) ' & '>' !$' ' ,E , '('E AU'A-+@'A) ' , ' ('+-C.@D'E AU'A-+@

! C@@A8 UC?(2 (5-C? ') -C@ A@2'Q -C@@A@2' .UC@@A@2'Q);' UC-@ 2'Q ' C@@A2' ^ ' 7 'IKI a

' $' 0' -' B@,+@C'-C' JC-+@ +' +B'-C' ' +B'

C@@A2'% &-'B@ +2' AD2', .B+2'? ,@ 2' -C'+B@', U@ 2' ;MLO'C& -'A' '$)-'O)': A'8;KKL(';O; L'5C-?' B-@' A CD', .B+' B@' A.@,,' ' +B'+B@C' A.' '?>+' UC@@A@' +B@C' .B+' \ G<: VC(( )' 0 U'D' +B' 'C D.@' -'B6 ' B +' AC@@A'D' +B@' C> + '-'+B@'@ C+B' AD' @ + '-

?@A'5C-?' -,D'!@J+@A+C -A'E, + ' G5'# " ' ' ",(! ' " (-' C@@A'B ' G@2 B@' 6,'JC @ @A+,G' - @C' +' +B@C@ +B@' G I' # M$ ' $.' ']]R'"@'+B@C@ -C@'+?@,G' CA'D'B ? @,'>JJ,@' "@C' A+'-' C@2' C@@A A. AD' U@@J A.' C?' B@' J,@A+@-> 'E,--?' c N' 7' ' ! GCb ' $!' (- 'B@' D*-AA.'?->A+ A 'UC@@A@D' +B@' @'A@ C+B@C'E @ 2' C-?'+B@' -,C'C G ' GL' 9 ' < &!0 A' ' ," !0'? (4 'OMK L' O@ A.' B CD2' +B@C'C@ +'+B@' + -A'- '+B@' ,,)'DC-J 'AD' C@@A'+B@'@ C+B'E@,- '+B@?2'

E ' -' B>+' - 'EG' -?@+B A.' A+@CJ- @D2' $ 0

- ' -A,G' +B'&%(

;QNN) -('<) (@S' E@'%>C+ A' ,- @,G' DC A2' +B@' .B+' +-' UC@@A ' SKMS') .. ' $ -(,(8;KQ;(LK=' 1-> ' ,'J@CB J'+CG' B@+B@C'@?@' ? .A@+ 'J- @C' 'A-+'+'E@' C@@A@D' -

/' -'B D@' C-?' @ ' ' +B' ' C@@A ' +-' B@,+@C' C-?'-E @C + -A' -C'C@ -.A+-A

SMKM <)' ! (?& ' ;;' ' ;<M %,->D B ,,' UC@@A' +B@' !>A' C-?'> ' XGX S ' 8 6 '6-!0' &' !!$' M : A2' 7B@A'B@' ?@' ->+2' 3C'!@ C@+) ,U@D' -' A@ C'B ?' +B +'+B@C@ C@@A@D'? @' C-?'B ? +B'E ' .C@ +'J@C ' ;QK=' < 8 1 ' $. ' ;MK'#>C' 'C +@'@,? 2 B + C@@A'+B@C@ B@CD ? A' ' -, + CG'B>+' SKSK ' &1' &"'SS 2' ' ? ', B@D.?2 B B' ?J@C @ +,G' C@@A@D'+B@' ,,@G' A' B B' ; ,?A.' ;K==' "' ' ' 9 ? (' $' ;;' 6' " ' LPQ B@' %--C.' @ @ +> ,,G' C@@A@D' +B@? @ @'E@B AD' +B@' E> B@' ;K<L' $' $ '>'C$ (10 LN 3 C' ;PNN -"@AD' @ @ '+-' @ B- @,' .B+'C@' C@@A@D-A'D @C@A+'JC A J,@

E' !0' -'@?J,-G' 'E-DG' - '?@A'+-' -@C'8 A' C?G '?-@?@A+ (' &$1 &!(8% ! 9 *) . (;KK;' ' '+C' (&'' , - >' ' ($ '' ($ $!"' c< A' ,,'+B@ @'D @C@A+' @'+B@'J,@ D A.'+B-+ ?>+2' E@'+-' @@' +B->+'E@ A.' @@A'C@ C@ @D' +-A' ' ' $ $!"' ($ 'N_R B@'D>+@'+-'E@'U@JCY -C?@D'EG'+B@'D -A] C +-' C@@A' +B@' ?-@?@A+'- -A@' A' C?G2'+-'+B@'@A@?G2'G^@+ a' ' - (<$0('('/@ '%0< E@'D>+G'- 'C@ %AA-+C A.'+B@' -@ AD' @C@A A.'+B@'C @AD2

- ' A' ? ? +@C ,' @A @

4MQN'%UV # ' * - &''HO '4PS E@' C+ @'- 'B ' A@? @' -' .C@@A'D'B '?@C+ C-?'B '3 *@ + @' -E @C + -A2'+B +' B@'C@ @ 'D' @CG', ++,@'+B AU ' -C'B ', E->C' OM<O' 3' ?&"!' ('M B@C@' C@' -?@' A D@,' ?-A.'>'2'+B +2'+-' -D'+B@' -D->A 'A ?@'- ' +B@ 2' ->,D' B@,+@C' AD' UC@@A' +B@? @, @'>AD@C ' A@ ' -A@' - '/@ + ' S!S.' ' A0 &1' 'OQ%-?J@,@D@C@A+'D@ -C?'+G2+-' C@@A' 7 +B' ,?G @ ,'- '%> + AD' 'C .B+2' +'>A +C @ ' @',A@ ?@A+

' -' B @,D' -C'JC-+@ +' C-?'B- +,+G' -C' ?J@AD

*A.'D A.@C' *0'+-' @'8 A'-@AD@C(J>A BY ?@A+' -C@SJ- >C@'-A' '8 'J@C -A' - @A @' %;=KP' !) - * 0'' & (8% ?D@A(PK' +' B-,D'+B@C -C@

' ' ' 36 :2 >' -' ,>C% J> > ' + : G -++ +>>C' 2' > +G C@@A@'?@@'C-?'+B@'D@ @C @D' C +B'- -D' ;)L' 9 ')(' e'OS=' 8;M<<('LQM "@'+B + C @,' +B'+B@?' +-' UC@@A'+B@? '.@+'+B@?' ->+'7B@A'+B@C'B' @'C>A'+B@?' @,@ A+-'+B@' OC ?C'+@+ a' OQLK< ' ($ (' ;=; Q 7@C@' +B@C@' AG' "-J@ ' +B@ @' EC->.B+'+-' UC@@A' ? - +'A-+-C -> '%-CC>JC-A) [D C@' AG'E@' ->,D'?@@+' +B'+B@' JJC-E + -A' - '+B ' C+>->'!- @+G' %_R 2' 2 $ ' $!('ONM' "'B ' C+ @' ->,D'A-+' C@@A'B ?' C-?'+B@'*> + @'#'B'D ->A+CG' %('_R ' '? (') $' ' S M<M' 3C'" + A. 'B + U@A'JC@ @A A ' AD' UC@@A@D' B ? @,'EG' A.'+B@?'>J' +', +'+-'+B@'%-?J AG' ;KC=' O 'C) ($ (::$N]]' C@ +'@S@C+ -A ' @C@'? D@'+-' C@@A' B ?' C-?' +- @2' E>+' A' A' %bR 8 7' $ 3 ('S2 -'? @CG' ->,D' C@@A' B@'B-,D@C'- '+B@' J@ C,' -' JC @ 5C-?'+ '?' @ ?@ ' C' ' @A@ ' @ @' ' ' % ' =2:' ?-C@'+B A'-A'B@J,@D]' -C' +' AG' C @' !C@@A@D] '? A' B-'B D'+ U@A' DC-J2'+-' ?> B' i'E ' 0' -' A+@CJ- @' -++@ @,' ' JC-+@ + -A

SMW' +C' &-(' $' &'' ';;2' +--U'A- C@' +-' JJC- B'+'B ' A @2'E@ A.'>A' ,, A.'+-' UC@@A'E@+ S+' B ? 'AD'+B@C@ E> @

=' ' 0' -' +'EG'J A.'+BC->.B' 'T C@@A ;M)' 3 'V$!(& 0(3 G'MQ 3 S A.' +'^CC'@ C+Ba' 7 +B @CG'?@,,-' '!- ,2' C@@A'D' AD'JC@J C'D' -?@'+?@ E@ -C@' ;M<L' = ' , (5 ,(8;QNL('OL;' '!UC@@A ' +B' B B' -A@'3 A' ' !UC@@A@' '?>B' ?@ '+' - 3@A' A' +B' '!@ @' ;QML') - ') (8@D'O(Q< ' +' 'A@ @ G'+-' C@@A' +B@' ' +B '+?@2' '? ,, C@@A' ' S@D'>AD@C'D@' J@C+>C@ -'+B@' @ -AD' --C' ;KSP : ' C$'& $-$' , ' ' - ' <;'!@ - B@ 2 ?@D -C' UC@@A@D'+BC->.B' ' A' A B' D@' ;K=Q ' ;N' ' 4' ' K<@ OK @CG'&@C -A' B , U2 +' -C' C@@A ' AG' ?@' ;<) $!"' &'0 ;;' :>,G' Q M ! C@@A A.' +@C'+BC->.B' A@ . >X@' ' -?@+ +@ >EY + +>+@D' ?C' ,+C + -A

^HH 0% (1 0 L% >' 3 '<& 'C! $'O=<' "- '->.B+' @'+-' UC@@A' AD' C DD,@D'->C' ->,D' ' -A @CA A.'+B@ 'E@ ,+B-'B@' +@C @ @' !!' C@@A.-C.-@' 'E,-D B@D

1 ' A'+B@' AA ' '%->C+' -' J- + ->J-A' ' C@@A' -C'A + @ -E -CD

OKQN , &'6 ': A22' A' ++@?J+' ' ? D@'EG'+B@'O@A B@C' ' @'? +B@'?@ '? A+-B-'A.@ +G'EG' ' C@@A A.'"-C'J- + A.'+B@'C A ?@'A'@ A'+B@'D A A. '' , 2 X) .' 2 '## ##+'P L' B@' C@ >C@C' +B@' AA@C @?J,@ B ' >@D'+-'E@' C@@A@D'A'+B@'@+E>,@'+B@' ' A' A + + -CC^@+ a

1' &-1(2) @'8 @@'I>-+(% M' ' ST-FF>IL' & 31.0(, '31 'J@ @' - ' AY ' +@?J-C C,G'B>A.'C->AD' E@C+B2'-C' C?+B' AD'JC G

! C@@A@D'8 UCSAD(2*) CC' ^' ' 'i' ')IV %$' &C-+@ +@D'EG' ' C@@A2' B@,+@C@D

L ' O "' & "'&%' $ ' ' 'LPP' A'+B@' ?-C@ C@+C@D' AD' UC@@A'D'&, A' AD' ,,@G ' % <<)((0' C$ &'' $)(A'S 2' ' C@@A@D -'J, @' ' ?D@>J' -C' +B@' D 2' S) '+ M ' ')'?.0'S'P)'3 DA.B' ?@@+A.' A' ' C@@A@D' ,- @'3 > +' C.>@' ,,G'A'? +C-A' % &]' $!"' 'L': A'P =' B C+@@A'D@.C@@'- ' E@+ A'+B@' B@ C+ -' -AD-A' ' C@ 'CD' B B' 'A-+'-+@@A' -E+ A@D' C-?' ' C@@A@D' .,

E '% 3'%-A @ ,@D2'B DD@A' G SK)'A) ')!(;OL' B@'J- + @ E @A @'- '%C ?@' ' +B@'C +@C -A'-' ' @,@ + E, B@D' / J, A@2'A-+'+' C@@A@D' @S +@A @

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' 2 A! ' ' 3! AE 'E * A E' ' 2 AEL

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SKKM $' 0 - 0C !&!0 &,0 4 =Z ! >++,@C -C +C@ UM@,D 8 +C J@D , X CD(; A 3 A B@ +@CB #A@ L* + U@ J C+ A T >++,@" -C +C@@+ .B+ !@@ B . A! A +B@ C + I>-+ JJ > @D -C +C@@+ >C B A . ? Ag +B@ -CD D@A+ , +B +B + >CC@A+ A 3 A B@ +@C2 +B@ C +@C @@? +- B @ ? JJC@B@AD@D + ?@ A A. 4KMQ % <) 0 =0 $', + O; !@J+2 A (& 8;KKK(OL B@ J--C >++,@C B@C@2 ? ,@ AD @? ,@2 ,, ?@ +B -CC- 2 B@G @ C --D@A ,-. 2 AD ? U@ > B A- @ 8 , - A, +@C,@++@C D +@D C-? -+B@C J, @ 2 ;KKO L2 1 0 JJ OPL2OQ;2LNN2LNO_ -?@+ ?@ .,- @D T E-G EG +B@ @D +-C a $!" 2 Q 5@E M O . A. - T >++,@C B- J C D@ +B@ +C@@+ 8- 3 A B@ +@Ca + A .B+ AD >,+ J @A.@C +B E@,+ AD C@ I>@A+,G +B UA @ O 8 U) +'E (^ B . U5AN " V

J L* 6' - * D L * *) G-)< * % 6-) * '% 6" &

;MM< $!" 2 S /@ 2 B@ - @C A >C@D @,, +B@ >++,@C2 B->,D E@ J>A B@D @ @C@,G 4KK= $' ,.0 5$ - 0< >. P ; !>JJ- A. +B@ >++,@C B D A-+ E>A.,@D A +B@ E> A@) +B@ A J ->,D B @E@@A ?-A. +B@ ? A.

! >++, A.) 8 Ub +', .(2 1 10 ^ B .

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[illegible]

[illegible]

>C->' B'EG'+B@'@SJ A -A'-'+' D@MV' AD'+' ?,,'
@A+C, Z'C@JC@ @A+' 'E + A' -?@'?@ >C@' O>[')8) '
<! $'0' $ 0' 0' ;PM' B@' !@ E +' JJ@ C@D' +-' ?@ ,,'
- @C'-' 'D CU'EC- A'-C'D> UG' -,->C' SK)'<) !@+ Z' $ 0
,'(D)$,' ,' -0' ;QL' B@'!@'0 +Z' ,E ' * !$0
9' B' '+B@'.@A>'C!$ $50
;KKN '% " $' '=K B@C@' C@')-E E,G'A-+'?-C@'+B A'
@ @A' J@ @'-'T!@ E +'"HC!$ $5H' ' -' ? AG)' AD'+B@G'
,,'E@,-A.'+-'+B@' AD A' # @ A' AD' 7@ +@CA'& Z' B@C@'
+B@G' C@' @CG' -??-A
" *' %' '% 4' 9' *' %' *'
*' ' 9- ' ' -6' %' " *)
$> /' ..1' $0' '!$' ' $ 0 =L' 7 @AB-@ ' +'
JC@ @A+' ' @CG' JC@++GZ ,@ A' +- A B@C@' ' ' .--D' @ '
E +B' ' ;KLL' ",!0' C & 0' 0' 'O=<;' B@' -,D' B- @C'
E +B' ' ' ->AD'+-'>+'E@++@C' +'+B 'B->C'+B A'+B@' @ E +B'
;KQK' $ D) '&%'C& ' ;<<' A' @ E +B' B@,+@C@D' C-?'+B@'
JC- ,A.' B CU' "@' --,)'B '@ @C
<" * ' ($ 0 $U 6 " % ' % '
Q 4' ' 0 ' K' ' D'P 3 $' 0 L *' 6 -P
' 5 ' * ' * '
SKQ' B ' & ' !$ 0 S SZ' B@' D C+G' J-J>, +-A' -'
@A @ '.@+' + @,'DC ..@D' EG' ' C@' ? A.' U@++,@'+-' D-'
A@S+' ?-CA A.Z +-' @ E +B@' + @,' A+-' ' J +G' -C' ?-C@'
+-E -
" -- --) ' U *)' ' * '
=/J' ' B ..' 0' $' $ ' ;=O' " @'@A+@C@D'>.-A'
'%->C @'-'!@ '7 +@C2 Z*- A A.Z ' > ' > ,Z+B@'!@'O +B A.'
+- CD' +B@' AD' -' +B@' %>C@' ;QQ;' ' ')-* 0
!0' OM :>A@'8;K;P(' ONQ' -' ! CE-C->.B' B@C@' 'JC-J- @'
+-' EC @'>J' ?G' BEC@' EG' @ E +B A.' ;KO=' ' ' =' '
' 8 ' '$!' ' ' ;;PZ D C@ G' ^ B@*' ,,' A-+' E@'
C@ +-C@D' @ @A' EG' @ E +B A.' 4KQP = Q.8 ' ' <) '
&2' 0 Q;' B@C@' 'B@C@'@S @,,@A+' @ E +B A.'
$ 10 ;Q<Q' $ $ '<) 'ML' B@'!@ 'O +B A.' A C? CG'
+' 7@ + EC--U' ;KNL' = E+' ' > D@'+-' ,,'+B@' 7 +@C A.'
AD'!@, O +B A.'&, @
6 '-' 2 ' D' ' G
4QQP !' $ $ '+B@ @ B-C@')Q<Q = ') B66'
$!$' ' SZ' " @',@ +'+B@'J , @' AD' +C-,,@D'D- A' +-'+B@' @'
E@ B' S)-' 76' ,.'&%' *) ' QQ' +' D GEC@ UZ'
-A' +B@' E,@ U' @ V E@ D Z ' B@C? A' +--D' .B +' 4 QQ
B ' 0' $.> ' ;' P' B@'J, @' EG' +B@' @ E@ B'
A' & ,@ + A@Z B@C@'&-C ' -CU@D' '+B@' J--C
$ 10 SK)' 8 7' $ ' ' ;PL' -'+@,,'DCG'!@ '
E@ B'. X@C'B- ' ' C@D' 7 B@A' +B@C@' '? D @

: :$ ' ' ? ,' +-A@' ' !! ') ' " '%MR_.$
4MNQ 1 ..' &) %0'? $ ' ;=L')@C@' ' ' ,++,@'E, U@'
+-A@' A' ,>' E->+' +B@' E .A@ @'-' 'O@ A@ !> B' '
+B@ @' ;' ' +' G-A' B' 5C A @Z B B' +B@G' ,,@D' !@ '
E@ A@ Z AD' +B@G'JC@ C E@D'+B@?'+-'E@'B A.@D' E->+' ' >C @'
A@ U@' +-'@A C@ @' B@C' ?,U@' ;K=Q' ' ..8 ..!' $31 $' '
? ,'E, U J@EE,@ ' &' 0
' 9' ') # ' * ' ' * % 6 -'- P
) ' ' - ' $ $, $' ' (6 %% & '
* ' U% *' 6 ' '
;M<M . ' $ $!0' C!$' ("$ - $,$' QN &B -,>' ? C '
+?>' 'C-+>AD -,> Z ,-C@' J>CJ>C@-' ^@+ _ B@'!@ ' E@ A'
;KMQ _ ' $!& >' & $ 1.0
' ¤ -' # -#' * -' * ' -&' ' 0
- ' * ' %6'-' ' & * -' ' * ' -&) 3
1' 0 U *' %' ' %6* % ' % ' 6
SKK') ' $ '" !' / @ ,@C @C@' -AY
+ A+,G' 'EC A. A.' ,,')C+ J' B@,,2' @ E@ A' -CE G E@ A Z
AD' -+B@C' ? C A@' >C - + @ ' ;K<;' ') '" 0
" % ' %' % 4
- ' 5* ' "%6* ' 1 0
SM S'%- $ Z) ' '+B@' @ 'O@ C@' 9 ' $!'
$ 0 QQ'3 dA A' 9 8 h 5 $1 !$ 0H5(!@ O@ C
;' 5* ' '% ' %' '%" -' $!!& . ') ') ') (
' * 'M % *' I 6 6' 9- ' - ' * ' # %
-- % % 6 ' ' , &, * $!) +' ' * '
' * % ' ' ') ' * ' % ' * ' - %) %' * %'
- ' 6 -- ' ". ' ' .
;QQ4' ' "'&* ' A)$) * 'L=' 6C A@' !@ , '
B@C@' C@' +BC@@' ? C A@' A ? , Z B B ' @@?'D D@D' E@'
+ @@A' +B@' ' '-' Z AD' ' 7' -' ? @C ' B@ @' C@'
+B@' !@' -A' AD' !@' O@ CZ AD' +B@' 3 A +'
^ @@' ' 10 'P:' XKK-'" 'ZZ ' ' *0' $!' ' 0' !$.$
8;KK=(;N<' B@'@ C@D @ ,Z-C' @ E@ C'= $ $') '$+(
' 9' -' %' $ 0
;KO<' ' :') ' $)'$' ?& 0Y - 0 0 LN' E) '
$ -) 0 &-, C'-C' !@ 'O@ C' ;KQM' 3 ' C&!$ ' 5*0
SS' PPO' 7B +' ,,@D' +B@'!@ E@ C'= 6) ' $, -) +(
<" 9' A.' ' * ' $ ' ' '
';=PN 0') .1 '8!>C+@@ (;M==' !@'E@ +G' @C>@D'B ?' +'
B AD@' ;MMQ' = . 'C0' 0' 'ONN' B +'!@ E@ +' @ +B A'
;K=<'3 ' .)' & $. ' ' '$'" '7B@C@'+B@' @ E@ +'
C A.'D' ,,'C->AD' 5@@D' A' +B@'--X@'-'+B@ C'J +>C@ .C->AD
$' %0' ;M<P' 7 3' & '%& ' 0' ' Z 'B@'E@'E>+' '
.C@ +' !@ O@ +Z ' B@' ' ,,' AD 3-A +@CZ @' B ,'B @'
'?-+' ? JB E->'OC@@D
" &' %' ' * * !(' Q
;PQ<' 1 ' * 0' $ '5@E' L=' B +Z -A @' @ E@ +@'
,'+-' @' . A@' SM--' 6L' $ &'S 'SS Z 7 AD@CY
A.',-A@,G' -A' +B@' @ E@ +' +C AD' ;QOP' 1' " 0 S' ;<M'
,-A.' +B@' @ E@ +' B-C@'! + +@' @ ,@J+' $ J' 3 '
! $ &' 0 8;KKM(O=' B +' .C G' ->A+CGZ +B' +'C AGZ
@ E@ +' C B J@, ..-
" '$0 Y '* * 0 $0]
F ' J ' ' * ' ' -%' 6 5 ' ' %
' & * ' L # ' * ' M L' $ ' % %0
;PM<' (' &-) ' # !) E ' KNK' %-D' .C >A+' A-'
D >A.@C' C- U@' +BG' @'E@ A' E CU@' ' 4!KQ
B 3' $ ($! ' / D' ' *EZ 5-,,- A.' B@C@ A' @ '
E@ +@A' -,D @C Z AD ? @C E,@' ? CA@C' SM) 1' ..'
$ ')*&' ' $ ' / @D Z !B J Z E-+B' @S+C@?@,G' !@ '
E@ +@AZ AD' +' , ' C U@D' SK-S = ' ' " !*
' ;=0 8:-D(B@' @ E@ +@A' ,,-
; ' J ' 9 * % ' % 6 ' 6 F * ' &' * '
'>!" '%- 5 $' ' $! '8' ' ,& !$' >' $!-'(;<'!@ E@ +@A

C- U' AD' A U@D' B-C@ Z%->,D'G @,D' +B@?' A-'C@+C@ +' SKMK
3 ' %':>,G' A' , 1' G' $ 0 8;K<<(4 4 'L; ;Z
' ?' >++@C,G' U'- '+ ' .C GZ .C AV @ ,)+@A'B-,@' ;)L'
&' -$ ' ' $ 0 # +'MLOF> @+'E G ' AD' @ E@ +@A' ,
! 3 :$
$' C' ($$ " $, P;' 1 0
4QPP' +C 'C&' *** $'>' $' 0' & 2$*(P;' ,*@'!@ '
O@ @C' ' A-+B@C' AD', C.@C' A @ +Z J@ >, C' +-' +B@' @ '
% ,,@D' A' +B@' 3@D +@ C A@ A' " JJ- ?J>
N$ G ' ? $
8! "' B *B' A'C !0' $' ' 0 ' =KK' 3 AG'-'+B@?'
.-' +B +B@CZ' +-' ' + B' @ E@ @C ' ;QM=' < 3 ' +C' V $3'
' ' ' .*%%'V$- , $.$' ;LN B@' @ 'E@ @C') $'
-$ ' $]'BB @'A-+'+B@',@ +'C@ @?E, A @' +-'+B@' -+B@C'E@ @C
! /
: :' I 6 - ' ' ' ' * % ' 1 0
$/O&' (' >' 0' -'$DC ' Z 'JC->@CE@' ' + ,@'
' @ E @ @' ;MNM' -' 2 ' % 0') 7U '8 C- C+(
::' ;;O' B->.B' > B'U AD' -' B@@>@C @'E@@' ?-C@' + ,@'+B@A'
!@ E@@ @
' 5* ' - *' ' ' % '%L* -' 9- ' - 6 --&
JJ,@D'+-' C->' --D B@' =B&,)!$!"'+-'B@CC A.('
;MQ '# ' B3 ' 0' $ 'OQ' A.Z!@ 'O@@' ^%'
I>-+' SDMS' 6' 10 @ *' XK)' ' % '
$! -0' ' 0 '8;KPK(QQ' B@'J-CJ- @' ' B CJ--A@D 'AD'
+' C '@ +@A'EG' +B@' A ?@'- ' @ 'E@@'
! $
$ ' J@ @' - 'E AD @@D Z G1" 1 .+ '' $ ")
W<Q' $) / ' 1$!' ' S C'9 &'!@ '7 +E AD@Z!@
O AD @@D)'!@'E@,)' !@ '%- ,@Z AD' -' -?@' !@ '5-,@ --+@Z
AD'! -++ B'! >C> @'.C @' ;KMM $ 0' & 0
; $ ' 'A 2 ' ' # R$,
KW-+C' $ % $ ' &' OBN' B@'D@, +@' @ +B@CG'
-C)' -' +B@') C@ +- Z @ @ +B@CG' AD' @ E@,,'8 @C+>'
, C Z J,>?>, C Z AD' ?J A>, C @(
M = ! Q 9' %' ' % K' ') ' * ' ' % ' * '
- ' % * ' ' 9- ' & V
;PK<') ' ? 1!0' , .&!$ ' ;QN=' ' !@ E CD@' .C@ +' AD'
C @A-> Z' , $ $ ' ' 0' ;KM' : ' 3 ' +C' $' !! '
$ 0 OP<' 7 @ ' A A +@' ? >,+ +>D@' - ' ,++,@'!@ E CD'
;QMM ' - ' $ 0 ' S S'LN;' " ' @ E CD' ' C@' ,,- @D'EG'
+B@' B>C B'- ' +-'E@'@ +@A'-A' ?@ .C@'D CD @ 'U AD'
-' B' KK ' $* $ ' Q;' B@' ,-A@,G' @ E CD'
C- @' 7 +B' -A@' +' -'+B@' A.Z K)' : ' !'
% '$' & -' 'X--' B@'#CUA@G' AD'!B@+, AD' , AD' C@'C B'
A' @ E CD', @
'M' =i! MQ
i' ' B@'E, DD@C C U' % 'A@S+ ' 1 0
SMKS))-2 0 e OP-' B@'$-J@D'W@ O DD@C'
' ' , -' C->.B+' +B' EC->' @ A Z ' +B@' -C?@C
; $ G ' P ' 1' $
XKM-' 9 L .' % ' ' ' $'S'O=L' B@'&BG , @Z -C' !@ '
E, DD@C
!@ +E,@Z'-E ' -C?'- '
9 ! !! $' ! !! $Y .B '
: := B@'E, DD@C C U' % ' JC@' ' 1 0
XMK+'< 8') ' ' 'e' ' ' !@ O -EE@C' ,$ $'
- $ '$000 H ' 5 ! ' - ' ? ,,' C->AD B' O, DD@C - '
, .B+'EC- A' -,->C
; $ ' '5 2 $ ' + , ' 10 ' <$
;MK) =' 'H2 C !0' $' 0 4 4 ,4 ' =QK B@' E ,$'
$' ' $'8 ,,@D'!@ '#@,,G'-C'0,>EE@CZ'+B-' +'+B@' A' A ? ,('
[QM<' ' ' 0' ;K< X O- + ,- D'-' ' B +'E ' ,-C' ,,@D'
@ E,>EE@C' ' [K=PFI ' $'' ' 8;K=<(;P;' B@ @' F'
) ,(-C'!@ E,>EE@C Z '+B@G' C@' ? , C,G' ,,@DZ -C?' '
-A D@C E,@'J-C+ -A'- '+B@' 7 B ,@ ' --D
! ') A=! 5 ./ 10 ' $0 ' '
' 10 ' + ' 10 ' ' & ! $ K$ ' 10
' + ' 1(c]
0' 1(
: : ' 5* ' - ' ' 6 # %' ' * ' % <* - ' 1 (
;[=NN? "'LNN[' 7 BG' ,- @'+B@G'+B@'J-C+' +B'+B@' @@'E-CD'
' * % ' 1" ' 1 ') 1 !$' '
% ' * ' L % ' ' * ' 6 ' 1 (
$'$&O+' '! '0'8;QQK('S -' I +' A >, 'D@' 6 E AD' * %@+'
A' ,@' @@E-CD' A., @' ->+B' @+' A-C+B' VPOP)'
& 0' ' ;MP' ' GAD@' ' -' +C@GA E,@'-A' @@'B-CD@Z
+B +'+B@G'%->D@' A +' D@J C+@' +B@A @' [!L!' 8 ' &'(
,&' ' Z 0<Q'^"@a' 7 +B' ?JAG'! B J' +-' @A>CD' J +' GA@'
,'[PMM A' $.!)" >' &"(8;PK<(B@C@', G'+ -'C- U'+ -'
'?,@'+-' @'E--CD'-' ' ' S)X' ' $ &' ' 2 0
' &) 'QN -'JC@ @C @'+B@ C' ->C @'+B@'E@++@C +'!@ E--CD@'
X K' 6 .) '+C' $ $' $>' &' D0' 0' ' 0' ;L'
#>C' ?@A'D, C @D' +BC@@' " AD' ' !@ E- CD' ;MN<' ' '
' ' *0 ' 5 3 G' @,@'E@ A.' A@@C@ +' +B +' -' ' CC@'
% J+ A@',-A@ 'A@S+' A+-'?@Z AD' +B@)>+' B' ?@A+' @
'!@ E--CDZ AD'+-'+B@' @ + CD'-'B ?' ,'?%A/'#'
F9 +@C &(' ?' $) ' $% '7U' ;MLN ,,'=N O B@' A@? @'
? U A.' ,,' +B@' G,@'B@' ->,D' +-'!@ E--CD' +B@' A., B'
%;KL!' 1 ' (' $!0' $' ' ' OK;
7 B@A' '!B J Z'B +B' A-+B@C'!B J' -A'B@C'-+B@C D@'+-'!@ Y
CDZ -C'8 '+B@'JBC @ (+-'!@ E- CD
5' ' ?"' =* ' $1&$ '[& ' $1&$ 0
' / ' ! ' $ 1 (
$/J/' 8 . &' 0' ,& 0 ' L)' # >+' -'/@A? CU' E@' @'
E>CD' ?-AG' ?G,@Z A@'.C@ +' C? @' A' ,E -A@' @' @AD' 4P=<'
& -*!(,& 'S '<4 - B+' , A@C,G'E@'.CG+'?>,+ +>D@'-'?@A'
-'@V Z AD' A@'.C +A >@A'-' B J 'E@' @@G'E>CD@Z B-+'^@+ a'
[PK[' : ' .' $ &' ' ' 2 0 &) '=ON 7 B@A 'E@GA.'
-A'!@ E-CD@'B@' 'AD >A.@C'+-'E@'DC- A@D' !P<Q:'
&"$! 5, 0" O' A' ,,' ? G+G?@-A'!@ E--CD@ b'B @'UA- @A'
A-?E@C'+B +' @C@' -' A-+B@C'D J- + -A
(G ' ' 1 ' ' * ' ' ' ' W ' I
' D ' = ' ' ' ' ' ' / $
' 1 ' ' ' ' (' '
6 $
? J/' # ' (. ' ? &0' "&'$ $'': QK%@C+ A' , C? A.'?- @Y
?@A+' -A'+B@' @ E- CD' XD=N FCK=X(OM # A'
+B@' @ E-CD' -' +B ' ,D' AD' ^ @, ADa' ' C?' - '.C)'
->A+CGZ B@C@' ++,@' A' >E +' XKM-' " ' = ..' - '"'
, &&!'S6 'S=L S' B@'J-J>, +-A'-'@S+@A @' , AD' AD

! 0#0

!@ ,) CD '-'+B@' ->A+CG' $ %>'- ' & -0 &' D08@D'L(
' ' OP' B@ @' U A.D-? 'B @' , C.@' @ E- CD' ;K)
' . ' 9 ' ' 0' - (;O= B@' @ E- CD' 'A@ C,G' '
+C .B+', A@'C>AA A.' C- ?' A-C+B' +-' ->+B
&-10 U = ' : 7 . ' 0' % ,$' L;M' B@' @ Y
E- CD D @,, A.' B
U ' $ 0 U % %) ' - C') ' * ' ' $ (
5 *$' 1 ' 0'A 0 .' ' =Q' B@C@' B ,,' ' G-A' C- ?' +B@'
@ --CD' --D'# ' @> +C -?@'C-C A.' SK K L' 9 '
$31& ($31& ' (E-CD@C A.' -A' gB@' @ '&' -@ A'
XKKK' :' .. 8' -*!$ 0' $!' K B@' "-J+ ,,@C Z
B- @' JC-J@C+G' ' , C.@,G' @ E- CDZ ,@ +' %GJC>' -C
$B-D@ ' 4<N<' $!"' .&'(SK >.'= =' B@'5C@A B' @ Y
E- CD' B-+@,
7 6 ' "* % %' ' * ' ' * ' P
%
XMX+' 1)' ' < 0' ? ' ' e'P LK' B@' 9@A+ B'^?@Ad'
AD'!@ E-CD@C 'E@ A.' >,' B>? A +GZ AD' ,++,@'D @C A.'
C-?'+B@' 5C@A B' >, +G
" % ' 4'
: ' + > 9' %' * ' 1 0 ' 9' # -'
6 % ' % % 6' '* % * # '% '
? &2)!%9' 'J ' '*)'B-,?'*@ + BZ @ E +4@ @+'? D'? AC'
@@.')@DC B+' SG *' / '- ' &"0 &)' ' & ' '8;K=N(;<<'
#>C' EC. A+ A@ ' A' @S @,,@A+' @ E- +') OQ' B
$1! '),0 &' (@+ 'O=;' B@' $-? A'!B J C@ U' @C@'
- -A D' >AD->E+@D,G'EG' +B@ C' !B J 'E@ A.' E D' !@ E- +Z
AD'^@+ 2aZ ;QM<' - . ' $' ' 8;QKN(Z $3?&$ (
' @ @,'+B +'O@ C' +B@' @ ' C?,GZ +B->+', E->C A.'B@ ,G'
;Q<L' W3@ # ' " &' '[' e'<O AG'.--D' @ E- +Z ? G'
? U@'B@C' ->C @',--D'+-'5- @G
$ '10'XK)'$' -3# +- # '\' L' &- '&%' $) $! '
L;'"@', G'B D'>AE->AD@D' +B' A'+B@' @ E- +'I> ,+@'
-'!B@+, AD' S @C A
; ' 9' ' %' ' & ' ' %6 " " -' * --
$ & <)! @+' $ 0' 0' D)$,' -0QN;' B@ @'
B@,,'B @'E@@A' ,,@D'EG'D @C@A+'A ?@Z > B' '7--DY
,->@' '!@ E- + ' ! @ E >. '!@ +@CJ ,, C
$ "
: :' 9' "-) ' 10 / ' 1 0
' 9 ' = ' $ $!' $, ' Z 8;QN=(LLM C B@'
% J+ A' ? G'C@I>C@' '%-JG'- '+B@'!@ 'O--U' C-?'+B@'&>C @C
; ' ' K' ' 00 ' 1 0 Q6' 0
;Q M .3 ' &"0 &)' ' & ! 'L= ,,' C? Z @ E--U'
AD' A +C>?@A+ 'J,>AD@C' ;KKL' ',",!0? 0 4 'P;< O
7 B@A'+B@',-S-DC-? '? J' ?@' A+-'@S +@A @ZB AD E--U'
+B' ,A.'D C@ + -A ' @C@' C ++@A' +-' -?J AG' +B@?Z
B@A @'+B@' + +,@WT , A.'D C@ + -A ' @ E--U 2 -C' C+
D '?C@ C'
$ '' ! ' / $ 5 C'
SK)' B ' A' "' '?&&.'LN' +' '+B@' C +
' @ 'E--U' '@ @C' C-+@2
$ % %' 5* '- ' % %) ' * 0' '
SMKM $ '&%' &-' ">/ $.' + +,@ J' @CG'> @ >,Z JC'
,' -CD'- ' - A Z AD' E@C' ADB-,D@C' +B A'$-?A@G'
3 C B2 AD' ,' -+B@C' 3 C B@ Z 5@AA Z AD' !@ O-CD@C'
SKK-'! + $ ') ' ' ' &' 'XK-' B@ @' ,-A@'?), B@'
,D' @ E-CD@C '5@ C'A-'E, +' 'D G' AD'A .B+') +D @ '
" % % %' 1 0 $ 0 J ' L* ' P
* ' * '- ' 6 ' * '
$'$/OJ' = . 9 ' &' =' $' ' ' L' #A' "@,,@ J-A+'
A' @ ' AD'-JJ- +'+ -' ++ @' +--DZ!@ E-CD@C@C'^@ C,@ +'
@D '8;P<K ;M;L(!@ E-CD@C aZ D -A'D' EG' @J+>A@' ? .B+'
B@'-A@' E@DZ-Z+B@'-B@C' !@ +- E.' ;P<<(
)%%'=M B@ C' B@ >@A,G' B--D D@ C@@D@Z +B +' -C' +B@G@C@'
@@C@ +B@C-' +B@?' @ E-CD@C@C' AD' DC- A@D' A'+B@' @ Z
+,'+-'+B@' @ '+B@G' ?> + E@,-A.' ;MQN ' * -&''
" S'=-- 'E CE C->' AD' AB>? A@'J@-J,@'8'.@A@C ,,G'
!@ E-CD@C@C' C@(
G" B% %) ' $ 0 U % %) * '
;P<Q ' $ <& >'") -08;M;O(PLL' ?-A. + @ '
E-CD@C A.'% + @ Z C@' A' -C?@C @ ' ' ?- + ?->'
XM ' 'CC!"3&!10' 'LPK' - 'CD'+B- @'!@ E-CDC A.'
B-C@'-'->C' 909' ' 77' *0 A'$> B ' 0 &!!(
8;MP<("LN' ,' +B@' !@ E-CD@C A.'J C+'-'+B '9 A.D-?'
;KPK')'C' " 0'< & 0 A' $'(< & 0 , (: OP<) B- @'
) B' @ E-CD@C A.' , G Z B- @' @C+, +G' ' > B' & AD> @'
?@A'+-'C U'D @ @'^A' ?JG' , ? +@
" % ' $0 U ' K % ' * ' ' ' J '
% ' 6 '6* -&' & * -) 6 -' ' N '
XXP<L' = . 8' &' , 'B QML' !@ E-CA@' G?JB@' B ,,'
C?@' E->+'+BG' B J Z' $';97\' 9 . ' &' -" & ' Q
- $!'PP' U@' @J+>A@' AD'B '!@ E-CA@' @@ @+ $'$%%&'
: ' '),$ $'&-@? '8;MMQ(;=Q' G@' -' @@+'
+B@ @Z -' J- @C'+B '' !@ E-CA' A' - J,@ @' 4QOM
C@, +@Z 7 B- @'@G@' A' J@C @'+B@'D CU'C@ @ ' - ' +@' ;KQ;'
$' HF ' $)!!) ' S ' ;Q'!@ E-?' G?JB
!$ P '!2 ' 3 ' ' ' ' $
;M=M C B ' * 0' $,! ') 'KL' !@ E-?'!+>C
@-AZ AD' +B@'EC- D) ,D@'OC@ ?' ;QM=' < .1 K $ 0'XO4'
@ E-CA'. ,@'+B@'C'.@, D' A. '@SJ AD - AA- C .C A @
C->AD' +B@' ? , A.' ;K)' ' $ -0;;'S Z' '-A'
C- U ! A+'%>+EE@C+' + Z AD' +-, '+-' C ?@' B@' @ E-CA'
E@ D '+B +'E@ C'B+ 'A ?@' ;KMK' *0 E0 (&-- & '
,0 8;KM<(=NO / >C A.' ,,'+B@'>AUA- AZ .@-,-. ' ,.@'
A' B B'+B@ @'?->A+ A'-'@ E-?'C- U'B @'E@@A' ,- ,G'
.C- A.
$ ' ' / $ ' ' $
;QOM 1 'A " 0 S SZ' ;<Q' A@+G' + @' C- A' +B@' @ Y
E-CA' ,@' ;KSQ ' ? C*&SZ B + @ E-?' +G'^ @A @a'
' A' ,,'B@C'.,-CG
<" % (' (B+ '* * !' $0]
: ' A # & ' &' ' ' --&' % 6-
6 %6
O '0' 0 4 4 4 'OLM ;' @CG' @ 'E> ,D A. 'B @'
'E@@A'@C@ +@D'- +' @ E-CA@' +-A@' XK)' " ' '?.0
$ - Z'<NM B@'E@ +' @ E-CA@' A., B', ?@Z ;KPN " C'
= Q B' 'C $, ' 'S Z 8;KQQ(' 'Q< 'C@D> + -A'- '
D>+ @'-A' @ E-CA@' - ,' ;KM= B ' 0' ')0 ;PO'
-'+B@' @ E-CA@' +C @, @C', +' +B@' ?- + -A J >->'+C-A.Y
B-,D' ,-A.' +B@' @ - ' &' * , $ & ' :>A@' <O-S'
@C? AG' ->,D' A@ @C C>A' +B@'C U'-'A D A.'5C A @'EG'
' @ ,S(?@'@SJ@D + -A

```
; J * $ 6 B A %% % - ) * 
- K' 012 &  "
;K=N ? ) !! &, . & - - 0== D- U - > @A+D@J+B
-C @ E-CA@ @ @, ;KPQ '* .$!& 6 B@ ?Y
JC@ -A 2 ->,D B @ E@@A +-+ ,,G -E, +@C +@D) +B@ +C@@
B D E@@A @ E-CA@ AD B-C@ C-,,@D) JC@+@AD@D ;KMQ
& 31.0" ,$ 1& E( CC @D C-? -G .@
D - C@ .B+@D B J , - ,- +
E * 0 K' "%$ " % 6 - > $ 10
;K< C $ !! $ !! < $00 ;O 5@E P ; B@ A>?E@C - ?@A -A
+C U@ +B ? -CA A. Q2PNN2 ? AG - +B@ @ E-CA@ ?@A
B A. ,@ + -CU A @G@ +@CD G ? -CA A.
! 8$ 5* % - L *
* +C + - .C->AD - @C@D & @
;S=NN PN ! 5$ ' PPLO " - B@ ? *+ @U@ D->A
->AD@ A +- E@ !@@ E-+B-? ;PKO B ' ,>
8 CE (<L ,JB@ AD@C @ E-++-? +B J D.@ @CC@+@D
;KQM 7 0 5 >1.0 < & , PN B@ B@+@C-.@A@->
D@J- + - -C?@C @ E-++-? S)P . ?$!!$ ::
PN S ?@C? D2 C-? +B@+ @ E-++-?2 C @ ->++-B ?
" & F B ) %* !0 $> H U ' %
6 & *
% $31&) ' D* F 10 O;(2 +B B B +B - ,@A
-A > @D
$%J% < ) C$ $* . 0C 0 O!>E*@ + ,, + -A +-+BG
BC-A@2 AD ? U@+B@ !@ E->AD C+B +B A@- A@ ;KOK LO
7 O!+ $2 $31&) ' $31&) ' E->AD@D EG+B@ @ SJ-
% - <$00 :>A@L O B@ @ E->AD, AD 2 &?!$, . 2 (
$ 0 > . OM=) " @ ,, #D A I@ E->AD -,U>D@
H" ' Y B ) 555 $ ] O->AD -C
-C -A +B@ G +- +B@ @
;KL< PO . C> !) 8@D P( KN B@ @ E->AD C @C
;K<P ) ' .> $ ' 0 ( 3 ! @ E->AD -G .@ ;K<<
6 - 0 <$00 50 > . = L - + B +B@ C @ B->AD +C J
9 ! $
: 9 - # % - % * 
C$ !!) , ' & ' ) (
;PLN . 7 OM< X !@@ EC@ ?@ G B@ ) ;MSL ,, ' "
%#6$ &"0 < ) $ ' $ LN !@ B* +B@C@ !@ EC@ ?@2
3 >,,@+ ! -,@ ^@+ : ;MON . A $5( ;; S M= B-> GD +
B@B D @G@ - &@ C,@ 2 AD > B @G@ C@ C +B@C +B@ @,@ -
!@ OC@ ?@ +B@A C@ / ?@ ;MQO# 2 3? ' 0
$ <P !@ OC@ ?2 B B C@ J,@A+ >,,G+ U@A >J-A +B@
!@ %- + 2 +B@ C G@ C@ ->A+@D C C@ 3 @ +2 B@C@>J-A
+B@ JC- @CE`) %-?J C -A2 + -C+B !@ OC@ ? G@
;QPO : ' . . 0 ' - ( OPL B% C@DD B WJ C> 2 B@
!@ EC@ ? ;K=N ) > ' ' (V ' 0 O<Q !J C D 8+B@
!@ EC@ ? 5 ? ,G( ;K<M &"0 $ 0 0 8@D GD@UU@C(
)=Q B@ E, JU @ EC@ ? = $ ' $ ) E ' $ ) + - +B@
OC + B @
; JJ, @D +B@ -CGJB @A- D .@A> ? $ - $0
4Q;N ! OO / % V ' & PL ? $ - $ $ ' $ '& $
+B@ !@ OC@ ? ;K<; ' " 0
9 ! A $ Y U
: EC@@X@ E,- A . C-? +B@ @
U O> 1 &"0 : L=K U A . +B@ D A+ .@ - +B@ AD
EC@@X@ EG AGB+2 AD +B@ !@ EC@@X@ EV D G 4Q=L B . : "
. \ B &"0 0 ;MN !@ OC@@X@ ?@ A2 AD
E,- 'D) - B CD +B + @ @C@ -E, .@D +- @ .B ;QM< 9
, 0 $ 3 !& $ 8@D L( OP B@ @ EC@@X@ U@@J + A
-A + A+ . + + -A ;KOP : ( . ? &0 6&'$ $ ' LP<
O@ -C@ +C-A. @ EC@@X@ ) ;KQ) O ' E &2 ' OK
B@ B ,, @ EC@@X@ ? D@B ? B @C SKKK 9 . . $ Q
$ D ) ;LN 7 B@C@ @ EC@@X@ AD >A B A@ ?@@+
; G , -2 --, @ DC AU 8! ? G+B $ !&
& 31.0 012
" @A @ !@ BC@@X@D B A . @ EC@@X@ 2 -C
E,- A -A EG @ EC@@X@ !@ EC@@X A@ 2 +B@
-AD + -A - E@ A . EC@@XG -C B A . @ EC@@X@ 2
$>%+ 1 ' . ) . A 7 " AE>CG . $ 0 &) ' 0
03 $ ' & ' 8;QMQ( 4;=&, A+ -C +C@@ > + E,@ +- +B @
EC@@X'D , AD 8 3 Aa AD + ADG .C @,,G - , ;KLQ ^ @@
U V ;<NL $ !" & ' 0 OP !@J+ L = B@C@
@ EC@@X A@ 3 >+ + ^+B@ E--Ua
= ! / TU ' ' 1 W
5 : 5* - * "6 L % - 1 0
OS=NN PN ! 5$ ' LK=M # !@@,@ \ - @@ O> @
G+B .C@+@ A->AEC@ 1 0 =N<K - DC @ EC@ +@ 8 $
E@ +@a2 # @?E , >A @ , @@ ->,@ , ;PON ) 8 &1!
% A SSS 2 5- @@ E>,,@2 \ @CG +C-A.@ \
D A.@C-> XMKK ' . - &) " O;M ; " @ E@ C@+B
C.@A+2 @ O>6 B@ D ->J@D2 ! E,@
; 5* - * "6 L % * ' 
;KML 7 % . ) 8 % 0 ) ' ' 5 0 KK C. @ @ E>,,
,G A . ,@ ) ,- @ A, AD E@B AD - ? @ C@@D
& 7 -E H . H!
! ! $
: G " . $ !0 K' 3!
5>B O < $ 0 , 0% $ - 1 0 !@ % EE)@ S!!!3)!
!& 2 0 0 : ;=N $ ,$ & $, $ 8!@ % EE .@(
4<N= ' 0 $ !0 , 0 $ $11$ +B@ .C@ + ?>,,@ A2
1$ ,) - .$C ) 0
: ; 5* " %H 6 ) 1 0
$>%& < 3 +C V $ ' ' ' .&%%> V$ - , $ .$ B@G
B @ +BC@@ D @C@A+ G - + B A . +B@?  ; + OG)A@+
J, @D ? -A. +B@ @ EE .@8A-+@ ' $ ' ) H B 6 @C
+B@ E@ @C C@+ C@ A +B@ A .B+ + ?@
"6 - C A+ - !I 9 !
<"6 -] Y . 6 9 6 % *
- +B@ 6 - C.&,$ ) '$0 T
F )!) -$ ') 0 $) - $ '([ . -1
;LKQ 3 ' 8$ -,, ( J@C@ E@@B > +@ E+ U@
D-,JBGA 2 AD @@ ,>@ 8-C . )! - $ - ] AD E ,@GA@
45 < ( ' - 0 KL; A . , @+ ? A- ? J A+
!@ >, @ >@, !@@,@ %bM< ' . . <$ ' 0 8;P<L( OM
!-?@ , - E A . 2 +B@ U AA@ - +B@ !@ % , @ A +B@ ? DD,@
- +B@ . CD@A ' JC-->@D D@ @A @ +- + . A ++@?J@ +@
SMMK " = ( $!0 A 8;Q;L( K< B@ J, G A. - + -
!@ % , @ E@ -C@ !+-C? SK+@ % - $ #8 3 G L B@
T @ , @ " - +B@ -C+B +, A+ C@ -,@,G B C @? '
$ 1( , ;==N +C C $!!$ ( & ' ' ) 10 0 <M; !@@ , UGA

$!!) !"0
>! " " $ 8;QM<( :: MQ 1 -> .C- J@C+2
? D ?2 A @ G->B @ > . B+ G->C @ , ;KKL 3 R
$ 0 !( 2T 7 BG B + JC@ -> - ,D @ , : ?
B@ D
9 H"A ' 5* 6 % 6 %
* D ' ' --& - * 6 %6*
# -
U% A 9 ! LKN e B + -CA'D J>CY
J- @ @, @ B->,D @ ? U@ B- @ # B ? -C @ J+ A@
;QNK C &, !$ - 0 ON 3 G A &) 0 < $00 - ===N S A @
AG !@ % J+ A2 A @C -C %-?? -A -C 7 CC A+ !@
# @C E@,-A. A. +- AG !B J - 7 C E@ E @A+2 S )
9 " B 6 !2 ' ;; S 2 B@ D- - @ J+ A
G"6 % 1 0 @A9EW_ h4
: 9 6* % * . * 10
# 10 ! .$ 1 0
[PQ[ 7 7 C$ ' & - 0 SSS * 1 -> B ,, ? U@ @
CD@ B@C A G-> ? G EG +B@ -C?@C C>,@ J, @ %- +@ 2
" CE-C->.E@ 2 $- U@ 2 ! AD@ ^@+ _ ) =P 7 , 0
$ :: ;=L B@ B-,@2 -CD A. +- +B@ @ CD 2 E@ A.
+B@ E G - %-A+@
N$ G ) #
3 E +3
> B ) 10 =a ;M;K - . $ ' , S 2 7 @
+@ ,, , U@ @ % CD 2 ,, ->C @AD@ ->C AD ->C ? -+ -A 2
+ ,, J- A+ + E@ >) ;MMM 1 $ " OO !@J+ 2 , ++,@
. -,D C ?@ -C -A@ - ?G @ CD
$ ' %0 ;QSN 6 I PL B> ?> B
-C +B- @ $>,@ - C+2 +B- @ &B ,- -JB , !@ % CD EG
B B +B@ D @A+>C A. @A > ' - +B@ + ?@ @CM -A' + +-
+@@C +B@ C %->C @ 2 AD . - @CB +B@ C ?J@+>-> 3> @
?)> $.$L
: 9 % # % ' * 5* L - " *
'$ , $ !)*) ( 5* )% L # % $3
, ') $,&( 6 9 * ,"!! ) - ,$ )!) 0
. -$ $ -&' & $0 S 9 & "6 *
!) , . . " - $ ') 0
9& ' . . ) C! ' " SSS + S ==P B@ B A ?@D +B@
!@ + -C 7@ X, 2 Q N . ) % %" V ' & P; ) * )
$ ') & ' % ! & $ _ ->C 5 E@C ,, + +B@ !@
% +2 -C % + B2 $ ;QQ< / < ?) , . 3 $ ' 7 C + 8;KKL(
:: OON !J->+ , B2 @ + 2 @ D- . QO1 9 L . . %
' $ ;NK B@ !)CA++@D !B CU2 -C !@ % + = ," !! ) - ,$/
)!) B %> @C( ;K) < ) ! @+ $ 0 ( D)$ , ' " (
MOK B@ +-J +, % + B 6UA- A ^ A C -> J, @ a
+B@ !@ % +' ;KKP $ 0 0 8;KKK( QO
- $ - & ' & $00 @ +2 @ C +2 @+ - B@C?@A
5 ; O $!0 9 $' % 6 ' - *< 1 0
9& ' . . ) C! ' " SSSA A :: =OK B@ -C@ ,D C +@C
C@E > . @C C@J-C+@+E2 B + +B@ @ + -C %>++,@ B@
, , @ %>+ - +B@ !@ ^@+ a
: $ G * ( 1 (
QPK C !0 $ ' 0 PKM !-?@ ,, +B@?2 @ + 2
#$ G ! $ 1 0
$>%& < 3 +C V $ ' ' ' . &%%> V $ - , $ . $ ;OL B@
@ - + E->+ B , B@ X@ - +B@ @ , -A A -BA C@ @?Y
E, A. +B@ @ , ;QQ= K= &&. G &"0 8;Q<N( ( MMK !@
+ B @ ,-A. B C + AD A. ->+ -A @ B D@ - +B@ C
? ->+B , U@ +B- @ - +
6 ! $ #
" - 9 6- * * %
A @ -,- . G -?@+ ?@ JJ, @D +- C- U B B C@ A-
A, AD2 E>+ @C@ -A +B@ B-C@ - A @A+ @
KKK 9 ?& ( > = ! @, D@A B C
@?D@-? B K E@ B >? @ , AA> , X - . ;KMLK " @
? D @ , >@A , ;LQP @@ ,>>@ a +@ E ,> @D SMS- ' . R
. ) &%' ' > ? 0 ML= %-?J @D +B +C J,@ D + B
+ A -C?@ - E- @2 +B@ +C A. B@C@- 6 +B@ @ )
,* @ ;QM< 2 , . ' ,!& ) , P B@ D ,,-+?@A+
B ,, , @ -A+ . >-> +- +B@ @ , . . C ' ,0
< &!( 8;KLP( OK A A @A+ @ MA C +- E@ @@A2
A- A, AD ;KQM 7 0 * 5 31 . 0 < &!( PN 7 @
@ C A. G +B@ @ , ,
"6 J > % n- B# 10
: : : J- Y ) - *B 1 0
A@ C,G+ ?@ *@+ B @ ,G ->AD B@D B-C@ EG +B@ @
%;NPN ( A 7 C 7 >, U@C =SM O < $ $ 0 @ -,
; 9 % % - 6 - G6 - *
% %& ) * % 6* %P
6 - M L -& % 0
%-??-A,G@SJ, +@D ?@ A A. - , EC->.B+ EG @ ''
O>+ ,$ 1& - $ - >C A +B@ 2 - ' $ )!$ "
8 -C+B>?E@C, AD( , ;OLM 8 @@ I>-+ A . 10T P ( AD A
;LNM , ?-C. A B C@ D- >?@A+ = 'D) 0 C& & - 0
,- A2 D@ %, C@2 LP D :( J@ U - >A> J>+@ ) A I>-
-D >A+>C ,$ &' ' $ >0 6A,@ @ >JJ- @ +B + +B@
D- >?@A+ @C@ C ++@A EG -AD-A@C 2 % 8 B + @CG >AY
, U@,G( +B + +B@ -AD-A +@C ? B D E@@A D-J+@D A +B@ - ,
JC-D> A. C@. -A +B@? @, @ 2 +B@ @ @ C,G @S ?J,@ JJ@ C
+- J- A+ +- - ?@ D @C@A+ @SJ, A + -A &- E,G A @ C,G
+ ?@ +B@ B @ ->C @ - -? >JJ,G ? G B @ E@@A +B@
E@D @SJ- @D EG ? C A@ D@A>D + -A -A +B@ - + - -C+BY
>?E@C, AD AD !->+B 7 ,@ % I>-+ ;SPPO B@ A ?@
- !@ - , , A@2 HB"$1$, = ,&!!$ ' H - >C ;LL< A $ ,@G
- 0 $ ' 0 ONQ
4OPL 8 @@ . P a ;OKO ^ @@ ,&$!3* A La ;LQ
A & . ' $1 , 8!>C+@@ (< + A * B ,DC@
D@ @ -,@ @?J+ JC- @-D@?2 ;8 0 ;=O< &!! & %C $ ! 0
OP< O 6 AD@C -DD@ @@ -,@2 .AD A -B@C ? A@C@ $ ;PPO
. ) * 0 8;QM<( ;< B@ GA@! - +B@ @ -,@ EG
-?@+G?@ >J-A D @ - +B@ @2 C->AD E->+ %-U@+ , AD
;MLP Y< . K V $ " & . 6 A !>,,@A ! C 0
8;KKL(;; ;4O B@ B-,@ -?@ ?@,, - @ -,@ [M=P POON
$ ' $ 0 0 HN9&+ , B@ AB E + A+ 2 A+ --D
-C C A. 8E@ A. +B@C@ -C@ -A ++B A@D +- ? U@ B + +B +>C 2
-C @ - ,2 B@C@ +B@G C@ A-+ +-- C C-? +B@ @ ( ;MML
B ) . ! + 3 @+B6 >? 3 C+ ' ' -C C-A ? D@ +B &+
-)@2 !@ - ,@2 \ ;MQL ) 8 . . * &- !! ; 7U\
;QON 4<= 1->3, A@ @C ,@ - +B + J, @ - A AD @
- , ;QM< & > &) < 0 ? ( 8@D Q( ;P; B@ % +G
- -AD-A2 AD & C+ D* @A+)) , - ,, +B@ !- +B- A.

, AD2 C@ >JJ, @D +B %- , 2 ,,@D +B@C@ -C@ !@ - ,2 C-?
@ +,@ >J-A GA@2 AD C-? +B@ %- + - / >CB ? AD
-C+B>?E@C, AD SK K &1 &" S2 B@ C> +G .C +@2
@,D-? ., DD@A@D EG @ +B@C @ - , -C . -+
E( ( $ 0 G 6 - ) ' * %
*% 6 H = ) ' $ ' 0 0 O .
$ 100 $3,&$! $ ( % ( 3 - ( % * (
; * & ' ( && H "6 - % % L * "
6 - %
LL ) ! V $ !0 & 0 3 G 8@D J( M= ! + , ++,@ ?@
D C@@+,G +B +2 -C C +B@C !@ - B@ ^LG 9
; ' 0! ( HH0 $ &b ! ++ A . EG @ -,@ C@ % ( _ + !
? **& S, 2 : , U@ @ - , C@2 B@A A-+ +--D@ C %MM
, %& C ' ' ( @+ M B@ !@ -,@ ?@+@C %N N
$ ' & ) "0 +@? >A +C@A B@ A J @A J>D
) !@ -,@ J>++@ 5 O $ # >C !@ - ,@ & + E@ A .
E,@ +- >CA B +B@ B-,@ " AD I + , ' 02 0
;NML 7 B ,? ? B !@ - &C-A. +BC@ EG2 AD E @,G
+>CA'D B E U +- , @ %_(& 2 X 3 C !! K= 7 @' ,, +
,- @ AD A> . A !@ - , $-- ? G@G : " ) 10
)%_N%. cN ! --+ @CG . --D -C %-CA AD C 2 E>+" !@ Y
- , ! --+ +B@ E@ + EG ?> B
"6 - $3,&! 1 0 /
"6
: 5* - 6 * a 10 !
;L & 0 =QKO 9GA . $ B CD AD &E@,GJ2 +B B@C
E-- + 7 @A+@ --C+B E@ +B@ @@ --+ SS=PS ,
. 0 8;KM<( PP; B@ -- + - 5C A @ A- ,-A . @C EG +B@
A C- @@ -- + +B A C-? % ,G @ A &G CDG >A+- !@GA+
3 ,-> A OC@+ AG ;P<N $ 0 A 0 ;; S M B- @ B +@
C- U 7 B B ,, ,-A . +B@ !->+B@CA@ @ - + , G2 BC@ +
A A . AB@@D @ C@ U@ ;MS= / ( & !
P KL ,, +B@ !@ - + ^ a @SJ- @D +- +B@ +@ - A
@A@? @ +-- CC@ ->@C ? + B A . B ? ;Q<N + $ 0
= !0 - 0 ;M= - D@ @AD +B@ @ - + - B - A
D-? A -A ;KL; !+$ : % bCC :: LLM &C> 2
B -A D@C E,@ C A. @ - @ - + 4KQM ! : , !
" &!( 8;KQQ( LK : A@ ! C@A C@ +C +,G J@C -A + -A 2
B-+ - +B@ @ 2 E>+ - +B@ D . @C - +B) )) J- + +- ,-C
/ $ 10 % $ B0 " "
;MOO 3 ! [Cb $ 3 , 0 ;=M B@ !@ - + - A@
- 5C A @ 4Q;< - ) & 8 ,-E@( ;NL ! - +B +
A G'D A- B D ?G %,->A+CG " -> @2 AD ?G !@ %- +
" -> @ ;KMM $ 0 ?& 0 $ $ $( 0 $ 1& $0(1 '
- ? ? -A J, A+ A @ 6 + -++ .@ . CD@A
= / 1 D G =
' %% $(" $
, 4PPN A $ ' 0 &"0 ( &,0 8;<NO( 4 KL ^ - +
B J - A@C . A + J ,, .@ EG +B@a @ - +@C SM -
( ! 0 ) 0 & % < & S MPQ O>+ +B@ C -J A -A
+B + ? U@ @.>D +- E@ @ - ++A. ++G E@++@C
<"6 H % . 9 ") '--
4PLN J ; [; !@@ -EE@ EGCD@2 - $ ) - ( ;P==
8 , ) - C $ , * 0 6LN ( $ $0 @ -E -C @@
.@, E : ! S Ub )%MM] . M 5@@, +B@ +-A.>@ AD
J- A+ - +B@ B--U +B G->C A.@C 2 AD + U@ G-> +B@ E-,D
A@ @ +- E@ > .B+2 AD , U@ !@ -E ,,- +B@ B-,@
E + [QOP + ! $ - ( &!!&D0 N b 7 B@C@ @C AD A
B>A.CG !@ -E2 ; +BC- B ? ->+ O + ;MKN 7"< B .
. $ : S ;QM 7 B + B @ +B )@ E-G - +B) C - 7 B
B@G B @ A-+B A._ A- ? -C@ +B A +B@ @ - :EW
" "A ` Y * " $ 10!
M 3 - 6 5 + \ $! > - * & 0 8;Q=M( OQ= -
!@ >D .@-A 2 ,,@D & . )@,, 2 B B ->C 7@ +@CA 5 B@CY
?@A A / G +B@ ?@ N; W@ -E
( H"6 6 Y a
: : 9 6% 1 0
;MM$ O 9 $ 0 ;; )) ;OK !@ - U ^3 C. A2
$ ' , $ , ! & ,) 0W
; 9 - 6 - - # % ' % 4$+
K>J 10! %* * - * % 6 ) ' -- P
E $ & ! : 4% + * ) % & - # D) $ $ &!$
! ,$: 4,+ A * G * ' C $ ,)!$
$ , ,$T Y ) W - W <
I ,& $ !!) 0 $ $ 3 $ NN $ ' $
!@ %- U , XKKP 8 C & 0 $ - ? ;K;
C@G J,- @C !@ - U 8 7 +@C -CD(
O 9 % 6 ) '% % K'
@ C ,&D - ( [ $ '( W ' O $$ '
c_R] +C ) % &"0 ? $ ! %B>C E C %-,,@ + L=K
B@ !@ %- U 5 B - @CG -DD B J@2 ? -C@ , U@ !@
3 -A +@C +B A 5 B SK ) ) 0 $ 0 $3, &, .0
J@ @ - .>CA CD !$ , ) , )!) AD 0 . $5+ ?> B
->.B+ +@C EG $> A @J >C@ SKKS $ !!> $ 0 0
::: <M B@ ! JJB C A@ >CA CD A -?@ >C-J@ A
, A.> .@ +B@ C- A. A- @ B B +B@ @ B@ JC-D> @
B @ . A@D -C +B@? +B@ A ?@ - !@ %- U
# B&,)!$ !"0 9 - - % % "% # %
;KMP T ! 2 0 2 !> B . G G->A. @ - U
D-@ A-+ -?@ B +B@C -C A >.B+ SKKM # $ !! & %
$ :: O B@G C @D +- -A@ A-+B@C B- A- G->A. @
- @ @C C- @D +B +C>@C C A.
< : % " ) K' 0.0
^^ 9 , . ' &!0 ( =P; !@ - U -
@ +@ ? @A. A@ 8 - U J, @D #A +B@ J J@ B B .-@
C-? +B@ E- ,@C A+- +B@ @ 2 +BC->. B +B@ D@ - +B@ @ @,(
^ / : , ! $ ' ' ' 8@D <. N? + E@++@C A
+B@ @ - , C.@ @A. A@ +- B @ + - A*@ + -A - U ++@D
E@+ @@A +B@ ) @ AD @ B -AD@A @C2 ] -A@2 +B@ @ - U2
,- @ +- +B@ D@ - +B@ @ @, % &b - ;K 3 C Q = B@
@ - U ,@ C ) A 2 AD , +@ + A .B+ +B@ ?@A -A E- CD
@C@ !>CJC @D +- ? D +B@ @ @, .C D> ,,G ,, A . +B +@C
U%A J & 9- 6 ' & " ' ' & "
6 & 6 & "6 @9 # %"
% 1( %* . I %
) . . ' ( 9% ) . . ' %  % 5*
L % % 1 * 6 I ) &,& "
Y )- * 3. & - $ ' ^K- 4 %
% K' % % % * & - 6 %
$ , ' ' 0 ( " O; ; 5C@A B? A -A @C+@D
J, A +B ! J A CD AD ->C - +B@ @ >AA @ 2 -C
```

[illegible]

[illegible]

[illegible]

[illegible]

B, A2 +B@ - >,, C@+ B AD@ A-A@ O@ +2 +A->A+ A2
,,@G2 @ . +@ B-C@ -C B @A2 O>+ E@ C B / @ +B' D--?
-J@A,G A.C @A
G") Y< ; I V
F 9) L % %) #) 66 * D
% 6 # % 6* *
KM : 3 V & $!- $ $;;P B@ @ . +@2
$-? A ;K) 8 3 !( ) . " N< # @C +B@ @
. +@ - +B@ +G + AD +B@ -A - !+ 3)
o 9 - 6 66 *
!!*5 ' A ') " $ 0 / @ ;MP ; &,G ? ->+B2
+B@ .C@ + @))+@ - >AAG / @ -A % RM $!" 2
LN / @ M O / @, .- O G2 +B@ !@ . +@ - !@ B@,@, AD
J % ' - %& % ' %)
) ' L % - 6 * % 6
Q 6 % -) ' %
) * #& % _b T 0 ,.0
!@ .@2 % C 10
") % [% % '%% ' & *
'- % - 6 *
* * - 6 - -& '%% ')
SM S) > 0 8;MLO(;O !@ . C+ @A@D-
G@ : ?)) < A 0 ? 0" A +B" # @ A D@ O@Y
G-AD +B@ $@ ,? - >,2 AD +B@C@ , @ 2 !@ . C+ + , @
c_& / "$ C! $! 0 8;KNK(;QN B@ , ++,@ @ . C+
@?J C@ - +B@ 9A .B+ - 3 ,+) SK + ! .0 $ 0
SS , 2 B@ *-G AD -CC- ,-C AD2 %--J'D A +B@ C
A.@D @ . C+ + D@, SKSK ! & $!0) ! ' ;NPN
.C@@A AD @ . C+ JC-?-A+-CG ; ^ ! ' $ %%C 0
8@D L(OMO B + @ . C+ +G ^% @ C@ a % &_ ($
C & & ;2 $->AD @ . C+ C- U
-<) 9 . -D - +B@ @ 2 ? C A@ D@ +G
;P;MP # $ $))) $) ! BH !@ .-D 2
" # "$ " - ' ' C $ & % *) ' K >@CG !@
.-D J ,@ ,@ ? - D@ U@ .C@ + @J+>A@ / D@ ? OK=N
.8 " PO " @C@ B@ . A C @D +-
+B@ @ .-D2 B- @ JC-J@C C@ ,? B@ E D A- @A+@C@D
<") B) *
8 (7 T $ ' < & P & 8 OO(AD@S2 2
!@ -DD@ OKLP - # < , # : ;PQ -A
- @ .-DD@
") 10 , 3 !2 $
; I F 9 & - " S 2 $@,@ @D C-? @ .- A.2 +@C
+B + C + ,-A. -G .@ +B E G->A. EC D@
$ 10 S& - !! $ &) ' - MM LKN !@ .- A.
+-. 2 AD -+B@C C@I> C@?@A+ OK<P C& *0 (& ' B" :>,G
=N4 B@ C + @ .- A. BC-A-?@+@C2 ? D@ EG B ?
")) $0
: [ ) * - # - L * 6*
'% & 6)
* % '% % % # % #
(& : !Q8 0 ! - $" (/ : B->,D E@ @A+ ->+ 2 A
-?@ @ .- A. B J2 S) ;< ; ' 0 / @ ;NN< B@ J@CY
-AA@, - +B@ @ .- A. @@+
'% 0 ,& ' 5 0 (? F 9 & - " (B@ B-J + @,
@@?@D ,? - + +- E@ -?@ A>.2 @ .- A.2 B J B J@
-A @CA2 A+ A. -A,G .--D @ C--?
; [ ) * 9 * 6 % '
;K= C &,0 ? B 0 $ 0 !) 1 - S = !@ @C , - +B@
D @C@A+ CG - +B@) .- A. B (- 0
;M B@ @ .- A. C @C - @C ? AG
0 5% # --) & %)
OKPP T ! & & ' (;MM , A-> +B@ C B
@ .- A. U A. ;KKQ O (0) - &) - A+C-D
LQ !>E @I>@A+,G +B@ C@@U 2 E@ ?@ @ .-+A. J@-J,@
") % $ Y< C : a
: 5*)- L % $! ,& ' $ 1$, $ $! &!$
V$! 0
A/> +C & & ' 50 SS + S M $! ,& ' $00 ' A.Y
, B !@ .C J@2 OKL< + ? 0 C ' & 0 ? & 0 bR_
$! ,& ' $!@ .C !@ .C J@ " :
J !& 2 (C (OKK $! &!$ V $! 8&C U,G) + 7 -C+(
A ->A+CG J, @ - +@A ,,@D !@ .C J@
; ; 5* - * $ $, "$0 1 (
O)<Q 1$! ;; S,+ <PK !@ C J@ A-+
ABU@ +- " -C @ + ,@ (M((# $ ' - (@
C) OQOK + ! 0 ? & 0 C&!" & ') - JB@Y
DC @ A E 2%, ? E A. 9A-+ C -C !@ C J@2 1 0
C&!" ') - 1$,,) @ 6 ? C A ? *-C2 B@ .C@ +
!@ C J@
9 * & I- & 1 ($ (
(M ((C! ' " SSS S =PN U@ @ +B@ B
,,@D +B@ !@ .C J@ ^) H J>+C@ @D A A@2 D-@ A > @
+B @C+>@ A+- +B@ -C@ D A@
: , : *)% " % %)%
&,,&!&1$) % $(
(M : &! $!& ' %!& 2 " $ ' . T 2 3 AG
E@AD A. @ .C J@ DC AU B@ JC AU,@ - +B@ @ +B@CG - C
(? * 0 & 0 - 0 %% &,,&!&1$) % $0
!@ C J@
* !0 5* 6- ' %)) "6 * 6 ' - " *
* % 6 * -
KLP M & > " ,!0 ' $ 0 : PMN O B@ @.. - +B@ %>++,@Y
B2 C@ @?E,@ A +B + +@ E>A B - .C J@ 2 +B@ A ?@
@) J@) ,,@ ? N bR 3 J & - - 0 ' & %
$ > OLL B + A.>, C ,> +@C - ? ? -A,G ,,@D EG
+B@ B@C ?@A !@ .C J@ 2 .C->J - +B@ @.. - +B@ -?Y
? -A >++,@ B
p 5*) ' - "L L * 6* * - %) - %
6- ' % % -))%
; E^ $ 2 B@G C@ +@D EG +B@ -C , +BC-A@2
7 B@C@ +B@ J ,@ @ .C J@ B D - @C.C- A B@ .,-C ->
D @,, A. ? D@ -C +B@ ? ; ^@ : " J & - - 0 '
& % $ > SSX B@ !@ .C J@ E A -, @ .C@@A @@D2
+B E@CC @ E->+ , C.@ J@
<<)% 0 @A [$ (- $ 0!
: 9)% L * 6*)% L & * 9-
% ')% "- - B =$+ (U9"C MX D
*+ *)- L % $! ,& ' $ 1$, $
$ *)% *$ '$, $0

;^G ! & & ' : PN< !@ .C @ !-?@ ,, A
A. + E@ ->C D @ I> B -A ; ;L J 9 C$ $ 0"
A A., B2 BC +2 !@) @2 AD ->C D @ %> B -A
N_&N 7 $ & ' " ;PK + E AU C@
- @C@D2 , U@ +B @ -+B@C ?+ D , AD - +B ->A+CG2 +B @
.C 2 B B . @ +B@ ? +B@ C - A@ D- B@A +B@ + D@
C@+ C@ % <_ L ? 0 C $ ' & 0 ? & 0 ONL * $) $
, $0 : A J U@D %-CD .C ! ? --+B !@ .C !@
%- U --+ .C N <& ^ @@ * $.
; J # % ' - L)% L)
* B 4$+ L) ** $ - $ - $D =1+
* -")% %)% "L% 6 N& $ - $ ' $D =,+
*) ' > , =$+ * ' & & * .$,&- * $T
;^L; J) * 0 , $(C@@U@2 @ .C @2 D> U@
@@D@2 !) $($! $(! - * $!) 0 N b O R $ D)
& % ? !$, . ' (# A> . GC,-AD@D +B ! $(-C @
.C @ N_M 7 (, !& $ ' E ,$ ML) ** $ - $ T
? - !@ .C O) Q K ($ ' . ;O 7 @,Y
-?@2 AD - +B@ + 0,- A. - '@C @,D - D>, @2 AD
?@ >C@,@ ?@ D- - @ .C E> J / " ! &&
0 0 $! 85 B SB E % + , (=K B@ --D - +B@
/ >.-A. -A + - @ .C @ 2 B @ ,G J@ @ - N& E $0
9 # % & 6 %% ' 6- '
; GQ " ! $ & $
# $ 1(
OKM= . A !L $!" !0 > . 2 . +>C@ - @ .
+ A@] B B >+ , U@ C X-C OK<) ' 4E (! (4 4
LPM S # J@@D +B@ E 7 +B A B>ADC@D + J@AA-A -
@ .C "A@ +C , A. C-? B E,--DG *
<<$)% - $(1(@AF C - ! - 1 0]
9 I - - ' *")%
OMNL ' (A .@ ' $ 8;KOO(LM ! DD,@ - @C@D
)B @ @C@A@ ,-+B@ SMMM) ' ' 0 $10 SS 2
-A 7 D? @ .C@@A ! C@A C- ? +B@ C- U , ?@A+)KN<
8 < ' 0N & & !0 LK! !@ .C@@ $ - ,,@C2 +B A.
C @D +B E,>@2 @ .C@@A2 AD E, U2 ;K; ! 1 0 ,,,
;PO !@ .C@@A O@@) +@C2 +B G@,,- +BC- + OKOL
!$ ' " 2 B@ C @ .C@@A E,@ A J>
2 # @ .C@@A A - C>J+ E,@2 +B-> B ,+ @@ : SK)
(8 C& *0 & ' (A LP= ^ / C A> a B D@ D@
@ .C@@A -,-C
U 1(
%$ ' $
OP<K & # $ ' 0 QL 7 +B J>C@ !@
.C@@A@ !B@ D D -I>@ A+,G B D- @6@CG 6? SMM+ = M
& % < !$ [[(O@+ @@A !B .C@@A AD
U @ 8)>C SK) $ ' ($ S2 !B@ JY
J@ C@D A DC ..,@ @ .C@@A2 -C , ++@CA,G UG E,>@
; 7 - A 7 7 0
&@CB -C. ? JC A+ @@ +B@ C + I>-+
SM-S (C $ S ? S 6 ; PQP B@ B@ CE " -> ,@@U
#C !@ .C@@A@ H? $ $($!@) @@A@) ; L J
8@D P(2 ,&!& * (@C+ A 3 @D A , " @CE2 > B !@
.C@@A ^@+ a OQPP R $ ' (S C .@ J, A+
0 9 6 -- 6 %H % * * $ '$
$!$ ' $0 OKL : / (?) %!0 73 & 9h(
* !(4 ,(+ K'
%_Mb ' 0 $2 ,& 0 + e OQ !@ .C@@A
0 0 .C->AD A -?@ ?@ >C@ . A@D C-? +B@ @ 2E>+ B B
+ ,, -A+ A>@ +- E@ - @C ,- @D A JC A. + D@
)% # % 77
"
F 5 * 6 < * 10
? & 2) !% 97 ! .C>AD@ A@ B , S - ? $ " POQ A 0 0
0 XM / >A@! ! !@ @ .C>AD $ 4LNN) & 0
ON<PO D AD - A .B+ +- +->AD " @ ^& >,a + D ++@
@@ .C->AD2 , 4=PN 0) .1 8!>C+@@ (M=N B@ AU C
- J@ @ .C-AD@ D->A@ ,GJJ XMSS 1 (< 0 ? (
4 S L= B@ B J2 >AU@ -D A@,G +- +B@ !@ .C->AD
/ * !0 cF 6 # % *) * * & *
OKLM 8 .. \ 8L.. V 0 ? 0 * 0 =KM B@
?@ > .@2 @ .C->AD 2 -G +@C , G A. ^@+ a 1 0 =<; B@
-CD $3 &) ' (EG +B@ ? @, @ 2 ->,D B @ E@@A > @A+
+- J +B@ C .B+ - - , A +B@ B-C@
<"] ' > (' M $ C ,
OP=L) $% 0 8;<NP(LO= 5-C EC A. A. . ,,@
AD -+B@C - ,,@ 2 W Nb]] ^ @@ " a Nb_M - . 7
C$)& * 0 * 0 =NO B@ ->A+@C @ + JB ,- -JB@C2 B@ @+B
B ? @, , U@ >A+- @ >,, ? -A. -C+ - C@ AA@
NMb& .. - * 0 $ OLM O $!!&(E, U -,->C@D
E CD2 E>+ -?@ B + ,@ +B A !@ > ;G !
V ' $ Q " @C@) .>,E C@ ?2 AD -C ? -C A+ C@*- @
N <_ C ,. 2 0 SS2 - + B +B@ , .B+ - @ .>,,
% 5 ' B ' 0 $; &C-, 2 5,- U - B +@ @ .>,,
@C@ -A + A+,G C , A. C->AD
$ ' %0 AD% 0 ;^LL V ' ') B% MR B +A@@DG
@ .>,, .A-C A @ J+ +- D@>->C@ AG +B A. ; IE :
* &!0 - , 0 7 U ;KP; N_M - +C> + ?@ A-+ $@ D@C 2
, E@ A-+ ,C@ DG @ CG - J,>? A. AD --+ A. +BE !@ .>,,2
- -J@A B@ , @ +- +C-U@
: F H 1 2 ' D 0 @7 7E-
* Y) U - % - G '% H) [
Q# 1 / X) # - * [% 6 O
% $$ & * M L 5) Q
4 9 7 % L %& '% K' - 66 %)
E 6 - Q * 6
J. 1 [+ " * % * *
;G@^ Q , $10 < ,0(@+ & ' I ^ ;GEG O *
6& *) (' D 0 S2 e = - @ B - E C) B->,D
E@ -,D A +B@ ? CU@+ -C B@U@,2 AD @ B - A@ ,->C
B->,D E@ -,D -C B@U@, ^O V ' Sa 1 0 e P) B
@I> , +- A + , A ? -D > AD B ,
"- %1 @J [3(- .$ (W O $$ (
* 4
: 9 --' 6 * !" $ * !$ ' # * % 6
* #) # - & L * '% 6-
C@AD@C A. - +B@ ! C) - $ ') - &, AG2 B- @ ->A+
+ +B@ ->C @) - ? - + - +B@ -,D@C A., B C@ @C@A @ B@
D@ .A + -A +B->.B+ +- E@ D>@ +- +B@ C@ @?E, A @ - +B@
+ - U AAG ,-E@ - +B@ A ? , +- +B@ @ C - B C@ &, AG
A-+ -A +B + +B@ A ? , @A-?-> B A- ->AD + -A

!" ( ) ! C ,) * 0H + 0 8 C- C+(OP;
-) . A + +B@ @ ? J- -A ? @A+ - +B@ @ B C@ ; E +
"! $ e <KL + B +B E@@A@ A @A+,G C@ @,>@D2 +B + +B@ !@
" C@ B +B A A+ J +BG +B +B@ >A. 2 8 + -C ?@+B A@ C@
+B@ O-DG2(AD @C-D@+B +B@ ? N_b& +C 0 $ - & ' > &"0
' $! ONK !@ @C , - + B@ 2 @ B C@ 2 >++,@ B2 AD
J-,GJ> N b] " : Q 7 , - 0 8;KPK(MP B@
>++,@ B AD +B@ @ B C@
; 5* F ' " * B B 1 1@F $ (
N &M +C ? & $ > 5E 1. 0 N&&!0 L<
"* L %M # % 4
: * c 5)- "% & % "
)- 9 -&) * 1 0 $ 0
M 3 I>5 \ 0) b 3'C C `C 8 Q=M(O=L B@
!@ " U - B CD 5,@ B AD ,- / .@ + -A2 ,@
-> B@+B SMMS #) 0 ' - 0 7 ' 0 N<b !@
" >U@ B +B @CG ? - + AD - + ,@ B
E 1 +C ** $$ $!) 0 Q;= !@ " U
!& 0 +B@ ! ,,- 2 AD +B@ A+-A ! @ @ B@ C A + @
!+C@ ? -C CG & + ?@ ,@ @
; J # % ') '->: % *
' * %) " %
OKPL = 7 .B3 ? 0 ? =<M 8!U> (B@ !@
" U -,,- +E@ C .B+@A@D E CD A ,, + ? -+ -A)SKM-
0 +< $ $ ' $) $!) $!0 KN , @ 5C . +@
E CD $, "C D !$+ , - UA- A EG +B@ A ?@ - !@
" U2 -C 3 A - C 0 3 2
"*) *)
: 9 ' % " ' %
O) % $. 7 & $ ' & $!! ; LO B@ !@ B@D.@ B-..@2 @AY
,- @D A C->AD B@,,2 . CD@D EG A ++@C U ? A@ >,, -
JC U,@ 2 +B@ , AD C@E A $; E + M & %0
7 U ;KLP LLL , ') , ' & - @
B@D.@B-.2 B- @ A@ + B@,, C@ - ? ? -A -A +B@ B-C@
$ 1 0 N]b - ! , $ ' 8;K=<(<P< 5C . ?@A+ -
-C ,2 @ B@D.@B-. B@,, 2 AD +BC C EC-U@A - JC U,@
; 5*)- " * % * % * D 6 --
% * #) % 6 -
OQSS J ,) < $0& * "!0 , MN !@ J-C >J A@ B
+B-CAG 5 B2 - C+ - !@ " @D.@ B-. ;KQN A
A ' , " , !0 ? 0 4 MKP ; < !&1 3% - C $3 & 0
"*
: 9 % %") % !$!" $(
: " " ,!&*) !) - *) 0
^% $ ' 8 f T @ - U '(2 JJ, @D +- E-+B B@ a
SM S %- %$ 2 C&) !!$ (+B@) B@AA@+ B ; I
/ ,& $!!) 0 $ N] " $(D) 1) $ - +B@
%C- 7 J@C2 $! 5 ' & $ 1) +B@ !@ " @A % &< "
: $ 1 0 $) ' $ &% $. !$$ =KN B@ B@CY
?@A - +B@ A., B ! -, G .@A@C ,,G JJ,G +B@ + +,@ - !@
B@A +- +B J@ @ " ,!& * $ ' ! ' - H(
; 9 - 6 - % * 6) ' -- E $
&! (*)% ' ,& $ E ,$$.$, 0
$ NM_< 4 OOS JF $ 0 / $ 3$)%M_M. N]] &) - 1
)$! - - 1) (> ,,@ ? -+ !@ B@J % b< = ."
. 3 ? (? L;K E $ > & ! 0 5--, B > ,,@ ? -+
!@ B@A N _& : B . &$ 10 $ 0 0 , ,
- 0 <= ?) * $) .) $0 T !@ B@A - B ,@ ? @A
: 1 (@c W ' O " O
!& 0] J L * * # % *
OM;P $ > !$ 0 h # >C A@ .BE->C +B@ J- $3 (
+E@ + -A B- @ +C->E,@ E@ .-+ +B@ C , E@C+G ^+B@ / >+ Ba
%M 7 2 1S 0 - , 2 ' 0>H
: 9 ' - % % * $% c d ' $ 0
OPKN ' ..) $ 0 0 & ' ($ &) ' (@ B-.
SMKM : B 0% 0 2 3 ' 0 8;KMQ(LO + A> ? E@C
- 5 B@ ,,@D !@ B-. 2 -C &-CJ- @ N_MR $ ' 0 (<Q
J-CJ> 2 -C @ B-.2 ? @ >J +B@ C @C C - D->
EC D.@ ;K<M +C ? & $ > 5 31. 0 N&&!0 PO= B@ !@ E-. -C
&-CJ- @ =C &,$ '$,&- -) ' +0
; K G ' 7 I -Q ' J 1 0 SM-K ^ @@ ' 7K6 LU
$ " --& E @ J, A+ 77
;^I 8 , &% 1 8 / ! (LW CGA. >?
A ?@D A @A.6 B@ @ " >, @C -C @ " -,,G OM=O $
, $$ O =K !@ B-6G C--+@ OQ=; & - * !0 $$ ' 03
C , , " LQ= O>JB+E ,?>? 2 !@ " -,,G2 !@ $. -C+
OKKO $ ' ;P JC O=< O B@ -CD A CG !+- " -,, @
<"-Q -Z- $ U (%M F4 G 9 --
' * - H D * 6 - % W
9<<- - ` %M< T N 8 3
%;P!N c)" $ $ 0 $! 8%4PMN(E2 B@B@CE@ AD
C-+@ - @ B-,?@ -DD@A AD DC-AU@ +B GA@ ;MSL F !0
C&!"3&!10 + B@ !@ B-,?@ B@@C@2 +B + JC@ D@+B ,,
->C B-C@2 7 B- @ C--+@ +B C A.- 2 G; + ! 0
?& ($3 &! - (-C A + A2 I> -, >? ;KPN
3 J & ' - 0 ' & % $ O % " ' -
- $* -) -] UA- A -A +-@ @ @C , J C+ - ->C - + EG
C @+`) - A ?@ 2 +E@ @ B>, @C2 @ B-,,G2 AD @ B-,?@
$ 1(SM X 8 & ' 2 $!! O< B@ !@ B-,?@ C--+@
<"- % 3+ @A [*% (& 0]
F 5* L -% ' @A & 32 $! 0 7 U 10 2 4
) =QP 0 &,0 A 7C C7F, U C QMP O & - $ $ * ,)$ ''
$ '$ O$ &$ ' -+ &, & $ $(@B-C) P # ! Q 0 C&
8 CE (%M / >,JE A 2 !@ B-C @2 !@, B +B -S A @@2 AD
3 @C g) A 2 &@C+C U , - B@ C @ ;MSL B
C ! - $ 8;MS=(Q=K ' & (! - ? - ,, +B@ 3 -C @ !@
B-C @2 $ A% A ^ 8 II %< ' !$$ 7 U ;KLP
LQP B@ +- ? B - @ B-C @ -C ? -C @ OKLQ 7 : # " O
' ' ;=K C A. ? D@ - @ B-C @ +--+B
7 U& Q % -& - * % L * -
OMQ= +C $ ' & " 0 ;;P B@ ++ A - +B !@ B-C @2
- +@A --+ ,-A.2 C@ +B@D + J@C A.
; 9 ' - ' * % "- % -
C@JC@ @A+@D A B@C ,DCG 8 AD -C ? @C,G A J .@ A+ (+
B +E@ -C@ J C+ - B-C @ AD +E@ + , - B2 , U@ +B@
+@@) =B D) 1 * (@C. < & (LK<(DC A. +B@
B C -+ - @J+>A@ AD &C-+@> 2 D@J +@D A A @A+
J A+ A 3
Nb _ - . 7 & ' ' 0 &! $;L=N S O@ -C@ +E@
B B 8C +B@ ? A+a +B@C@ B>.@ AD ? -A +C-> @
B-C @ + @A+ @ --+ B .B I (9 * 0(
$ $! (B +D C@ E@ +C D@ B@ + @ @ +B-C @2 AD
BC->.B +B + B>.@ @,D - +@C C D@]N(_RR) !

[illegible]

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```
K ) 0 $ ) ,&' ' ;QM #A@ @ ,@C - @ .B+
AD ?@ >C@ AD -A@ - @C @@C - B .B G
1
! $ 1 0
%M%b + M &.$ - 0 - *& ( $e %RM ,-EA 1 +B@
@ ,@C J - +B@ G A. - +B@ &C-JB@+
# $ ' ( K'
AM M ! E %$ $_ %B@ +,G B- B DC A
A - ? AG G->A. "@ C 2 AD >AD-A@ - ? AG !@ ,@C 1 0
5*!0 &' $! " -A@ +B + . @ 0-AD AD :>D. ?@A+
-C --D AD 3 -A@G ;QKP 0 ) $ 0( $!
-C D) 0 $5( -A@ C@ ) G +- . @ E-AD A *>D. ?@A+ -C
.--D -C ? -A@G
) ./5 $N K M H* 9 $L
:$ 9 # - ) ) * - ) %
K - 7 ! -$ !01 , 0 , 0 PNK 3 AG @ @,
@I> JJ@D -A,G @ ,@C 2 JC- @@D AA> ,,G A+- +B@ C@@A
, AD !@ ;<N= - ;P >. = L B@ @ ,@C @C@ +
/ >+ B " CE->C @ X@D -C> A. AC@ C? E@ -C@2 @ -A
; J L * * ' * F
;K=O + "! &) ' ! 0 ;MQ - J G +B@
@ ,@C 2 -C +B@ ?@ ?@A -D B B@C 2C@.>, C .@ 2 ->,D
+ JC@ @A+ E@ ?JC + E,@ ( " 7 *0 $!
6 !0 !$ .$ 8;KK=( ;M= B@ @ ,@C -A !+ & >,2 *> + +B@
@ -A -J@A 2 A C E,G JC-JB@ G E D G@ C -C @,
2 ) Y! .$ $ 0 K$ .> H* 9! .
G $
;K< T $ # ' B) ' ! ? .0 ;=M %- ? A. E U A-C+B 2
-C +B@ ?> U -S B>A+ A. AD +B@ C@.>, C A+@C @ ,@CG
/ \$ $ 0 K$ $?$1* . 3
/ 1 $
;KMQ " : " ? 1! $, ( S 8;KQN( LNL B@
.C@ +@ + B JJ A@ - +B@ @ ,@ B@ @A
$ G 1 E! $ $, ),$
E 0 !$ - $0
AN & O 9 $! $ 0 %$ e L _% !@ ,@++ @ %_<N
^ @@ ) 1W NL$ ;QPL $- 1 T " ,!0 !>JJ, 2 $, ),$
- $ '$( @ ,@++> @2 A E-+ AG2 A ?@ > @D EG -?@
>+B-C -C +B@ ! , ' - $ ') ( -? ? -A,G ,,@D - +@C .C@@A
;KQP ' , " ,!0? 0 N% ON ^" @a C@ -? ?@AD +B@ .C- +B
- @ ,@++> @ 4E! $ !$ - $+ A + AU 2 > + E,@ E-+B
-C -SG.@A + A. +B@ +@C AD -C --D -C +B@ B@
3 $
: 5* - # - * '% 6 * *
- # - L * )* - L
A M <$0 ,& 0 8@D O( PPN B@ ,+ +>D@ - B B
%]& ? @@+ E- @ +B@ @ ,@ @, ( ? J$ J 9 $, 0
" ' 8@D L( === B@ B@ .B+ - +B@ E C- ?@+@C + @
,@ @, 4K<= $ ) OM :>,G O<L O B@ -CC@ + -A - +B@
AD D> , C@ D A. - +B@ - ? @+@C +- +B@ @ ,@ @,
; 9 - # - % - '% 6 *
% _< 3 # $ ' $ (M 1 /
3 3 $
-) * - B 10 ( !
9 $ B
; : I* * % 6 6 1 0 $ 0
>! C&' &** $ '> $ 0 0 & 2$" P @ , .B+
-C ,>? A-> JJ@ C A @ A +B@ +@C2 ,,@D EG +B@ -CY
@. A 2 3--C : D
N$ ' ! / / !
$
;M<4 .. 76.! - 0 SSS 7 U =KQ + B@,J +B@?
+- @@ +B@ C 5-,,G2 AD , U@ !@ , .B+ +- AU A. !B J A
D CU .B+2 ? U@ +B- @ B- C@ E- CD2 +- E@B-,D +B@ C
3 @CG2 +B->+ B@,J A. +B@ ? ->+ - + (>?MC ' ' " " ,!0
!>JJ, POQ O !@ , .B+ C@ -? ? -A,G D D@D A+- + -
JC A J , , @ SKMQ = 7 ' 0 ' & - ;M=
B@G B- D@ +C-G @ , .B+ C@ @A@ ? @ - +B@ B>? A C @
!@ , U M + AD $ 0 ^ 5 N ". V
9 $ B0 E - ) *
4P<= 0 $ C - $) 0 C 0 ,$ 0 I J / @D 2 B@
+@ ? J ) +>-> >@ - +B @ , U@ -C,D@ SMS- " .. )
$- ' > ? 0 ON $* ) <$ ' - '$( +B + 2 +B@ +C-A.
@ , U@ AD + C> ?A 4QQM = . +C $- & ' T )
$ OKP /@ , A A. ->+B CD ? AG , AD +B@G , @2
AD D@,G @,, A. C-,, +B@ @ , U@ @ ;KQW " 3
. $ . &' ( : S =NL B@ @ "U@ @SJ A @ - +B@
+-C U@
0 $ 0 ' $
X - ' 0 = !0 A S > ;Q; # >C @>@C D > @ +--
" >@ UA + . A@2 AD 5,@@+@2 +BC@ +A A. ? - + !@ "U@
3 8 ! * , - ' 0 ! $ ! - " @ +-C D2 AD
@ 6U@ C- C'D B B- +
$ B -Q<.
:$ G ! $
$ ;9Z C&!0 0 8;M<N( QK B@ !@ , A@ - A .Y
, AD2 ! -+, AD2 AD C@, AD2 AD +B@ D* @A+ , AD 2
E->+ BC@@ +B-> AD .B+ B>ADC@D 3 ,@ ;KK= 7 %
V ! & !$ ' ' O; # U ,-A. +B@ ,- @ , A@ C@
.C@@A,G @ +B@C@D +B @CA AD ? -
;$ G A / 1 2
$
( 4$ O C ' , > A ) 8;K<O( PK 7 B@A +B@ @ "A@
.C@ # @CB X@D +B E,@ B@ + ( ) , &
C !$ ' ( @+ 8;K<O( ;<L B@ @ , A@ C->.B --D
+B ,
6 0 $ ( ( / &) 8 % 5( 3 G UA- B@
@CG UG AD @ , A@ - B@C ->,
$ ' D ) . D 41+
1 $
XK K ? !$, . 2 0 $ 0 4 4 K<M B@ @ J .@ C@ A-+
+@D +B - A J>CJ- @ +B + - >CA B A. @ , A@
-C ? @ >C A. +B@ ) ->AD,@ D@@J - :@C@ ?G G,-C ;KLM
. . ? 0 ;=P # A@ ? -D@ EG D@@J @ , A@ 2
,,@D E>,+@C 2 -A +B@ %#CA B - +
8 , 0 (V 1!0 10 ^ .
:$ G (
/
3 / /
" 2$
```

```
LLK :) + , & ' 0 8 0 -, LNN 5-C B@ B D .C A+,D :V@C
+- %B C+C@ -C+- @,@2 \ +@C @,GA. ,,@ >,D B)
-?@ a @E C-A \ ,V@UGA.2 \ + U - E ? B CD D- ?@ %]M<
?) " !! 8% ?D@A( OM !>? +BC +G ? A +- E@ + +B@
@,GA. (MM , ;= $ 0 ( P O B@ D 7 CD@A 2
B ,, B @ &- @C AD >+B-C +G +- ? U@ !@ ,@ C- ?
+ ?@ +- + ?@ -C +B@ @ , A. - +B@ ?@ ^7 -C +@D a !+>
( # , 8@D O( OL= @ + @D EG C + A.
>AD@C +B@ C B AD AD @ , 2 ++@ +@D EG + - -C ? -C@ +Y
A@ @ ' +B@ ++@ + + -A @S+@AD A. -A,G +- +B@ @ , A. AD
D@, @CG - +B@ D@@D
% & 1 0
S) M . ' 0 & $ 8;PMN( OK E2 - @ 2 -+B@ 2 -E,G
. + -A AD @ ,GA.@ +- +B@ 0@ +@ B-,G @C> @ ;PPP A
!+CGJ@ , ,!0 8;QO;( JJ S6> SOS B + -D -
B C@@ ?@C G , . @ > +B@ >, @ , A. - B .C @
;$ G 1 $
, ;LQ ,0 0 $ ' =6$,&1) '& +QKM 0-+ B@ > 2
I>B@A@ B@ C @ C D@D@2 , A +@CGA.@ +@UGA@ -
JC@ -A@ \ E) @,GA.@2 - +@ - E@ @ J)A A ?@ + ;MM<
9 : , A ?),,! ), 0 8" + 3 !! 8/- ? ? ( : =LK
!+ ,E A' @@?@D ? .B+ ,G D + @D +B +B @ , A. >J
- +B@ .--D c ] +C <$1& $) > ! ! $ ' B@
-? ? CG - J-, @ A B A. +B@ @ , A. >J - +B@
>JE- CD A +B@ E@DC- - ?
E$ ) 0 G ! 1 /
/ ! $
;KMO 0 - = M /@ MN; O C@ +? @A+ - >, @C
EG !@ , A. 1 0( + A@ @ CG +- C@ ? - @ +B@ @ , A.
! $), ; >. ;7N ; B@ !@ , A. - 6, @C
/ < 10T ; 5$ 1 0 $ T 0
" %- 9 0 $ 0 ) ' ' / O E2 1->C B>A+ ? A
@ C,G A +B@ ? -CA A. ?> + . -@ +- +B@ +@C AD @@U@
-C +B@ A@ . ) - A #++@C2 AD A +B@ ?>D -C .C >@,,
AD@ ->+ +B@ @) A. - B --+@
#$ G 1 (
!2 $
%M_] ?)!. ] ! 0 %_M ++,@ -+B@C @ -D
-CU A. -C UA- A. D @C C- ? ->C 2 @ , A. -C JC A+ A.
D-@ C- ?, ? A A. AD DC A.
$ G !2 $
4<N= A 0 0 U + L<O B- @ ? -A +C-> B J@ 2 JJ@ C A
)@ + C @+G -A .@? @ , A. ; ) P : 3 A ' 0
? 0 , 0 ' 4 ;O ? -A. +B@ C . ?@A+ CG , G @ ,Y
A. @C@ @ @C , - C@, . -> ?J-C+
$ ?) ! ' 0 ) " $ @
[!;W " ,!0( $! ' ( A C B +@ +>C@2 +B@ S A.
& @ @ - 7 --D -C C-A A 7 ,,2 +B &, +@C2 3 -C+ C2
%@ ?@A+2 @ D2 -C -+B@C -, D 0 AD A. ;KOL & (
C $, 0 ?) ! P<O2
M$ ' 8 S 2
= T 1 $
;KPM 0 & - &' $ & - ; ;7 80 C+,@++ SKM-(
B@ @ ,@ + B AD ? CC .@ C@ ,,@D @ , A.
!$ $ 10 & - 10( 2/
D /
Y / 3 1 /
1 ( ! 1 D
91 /1
1 3 1 $
> " " A 5- ,@C 0 0 0 0 8# " ! ( LPN !- ? @+ ?@
A-+@D B- ?> B E@ D@ +B@ A@ +B@ +@A A+ . @ -C @ ,
A. ? -AG \^L\ O ' ) K< ,>@ ?@ - ?@ S2
-?@ ) @ , A. +EC D2 ?G D> + E-S2 \ ?G @ ,@ I O
A ' ) " $ 0 /@ OMN O B@ >CC@A+ +B> JC-D> @D
+- CCG +B@ @ , A. +@C +B +
10 K$ M ; 1 * $L
G $
% ] = B ) $ 0 $ 0 0 KN) $! ' ( +B@ -J@C
+ -A - + U A. @ , AD >C A. +B@ C U A c _R $ !" 2
;K JC 2 !@ , A. @S @J+ -A ,,G @ C,G +B @ -A
$ 10 I ;R , 9 5,) 0 2 %&) ' ! 0 I OQQ % J+ A
5> ?@ >S U ,,@D + - +B B @ , ? . ) >A ,- D@D +B @ ,
B-+ \ ^ < ) ' ' " N 4$ , $ ,, >AD@C+ U@
-A+C + -C I> AD+ @ - C? > B C ,@ -C @ , A.
.>A ) 1 0 L !@ , A. C ,@ SKM- ,0 $ ' $ 0 =
%- + A.2 @ , A.2 -C B A. @ @,
) 8 ./ * * !0 $0 %0 1$ * ;$L
G $ S 2e_XD
, c] &) $!) $, &) ' 8$ -SE ( - - ? U@ @, A. JC- @
- +B@ -C D -+E +A@ AM ) $ ( N B@
@ , A. .C @ C@ A G->2+B@ @ , A. J C + C@ DG +B@
@ A. JC- ? @ E@ -A. +- G-> / , 9 & 0 C$ ' 0
<6 S e =N 6 @ ? E-D @ A @ G,, E,@ +B@ @ , A.
D @C@A @ E@+ @@A +B@ C@@U AD +B@ ? ) @ ,
1 ( $ K$ 1E 10 c] 2
/ ! 1 ( /
/ /
/ I
3 $ ' $ 10
B@ ? -D@ ? ) @ , A. S C@ @ ? E,@ S A + > E , +G
AD + J, + +G B@A - +@A@D EG B@ +2 E>+ + >J+@C -C
B CDA@ B@A -, D @D C@AD@C + ? -C@ J E,@ - C@ @ A.
B CJ AD D>C E,@ ? JC@ -A + > > ,,G -,->C@D
C,@+ +B @C ? 6 -A2 E>+ E, U @ , A. S > @D -C
? ->CA A.2 AD .C@@A2 E,>@2 @+ -C C@ -A - -CA ?@A+
;L 0 ;=L ' ' & C& - % 0 ' & '
M=Q J@ @,GA. S D@-C@ E->*+2 A +@ ? JC@D J
@C ? ,->A # ? G C@D@ E,-D J + C A D->A ) - ,
OL ! 00 K ! L 7 C@ C->.B+ +B 7 S@2 ! +
-C B@ 2 $@D 7 S@ -C !@ , A. 7 S@ ;M<= C !0 $ ' 0
4 ;<=2 - @C@D +B@ %-CU +B !@ , A. S " O
+C C& - % 0 ) ON= 0, U @ , A. 7 S
-,->C@D +B ! ? - U 0, U 4K=< ( ) ! , , "
8@D L( OK 3 C 7 --D CD +C-A.,G C@ -? ? @AD +B@ - @C A.
+B@ ., J ,, C 2 +B @ , A. S CA B ;K)
! , 0 - 0 ;<; B@ +-J - +B@ -CU ?> + , - E@ @,,
- +@D +B @ , A. S
$
$ ' ! !) 10 Z+0
AM ( C ' " SSS + ( $ ] bN !@ -A 2 B B
B >@ ,@ @ -C C? @ A ? AA@C - %C E B@ 2 E>+ A -+B@C
C@ @ + C@ @ ? E, A. - > +
```

```
; 9 '- ' - : 6 0 K' 203
MMS A "@ +B < &, > & - *0 8;K)( =QK A +B@
$@ C@ C@ J, @D + - !@ G-A C D A. -A +B@ >C @ -
+B@ +@C2 AD -A +B@ C E U + - CG+-A J, G A. -A C@+-C+@D
& J@ -C " - ?@ A+ I>@2 .C@@ E,@ +B +B@ 3> U -
@J+>A@ c_R ) ) $! " ,- 2 $ & ' 0
B@ >JJ@C J C+ -C ?@D , U@ +B + - " -A2 AD +B@ ,- @C
J C+ , U@ +B@ + , - B ! - ?@+ ?@ +B@G C@ DC A @C@ +2
AD -A +B@ C + , AD +B@A +B@G C@ E, X-A@D -,,-
$3! &' , &' ' $ ! 0
J # % - - %) % - B + * - %)
%& * M % * I 6 6 $ $ = ) - &* $ +
!! ( -- % % * M % * % "- D =1+
* ' * % % I ) "- $ $B) 1$ $ H
4,+ * N$!&* ) !&1$ ) 9 ' % - - *
6 6 N0 ,$! %& ' $ ' ) * M % * I 6 6
cM& 1 &"0 <N B@ !@ -A , C .@ C@ +>C@
E->+ ;O -C ;= --+ ,-A. ;Q=K ' & ' > &"0 ;O=
,-C @ ? J,-G@D A U A A A. ) G->A. @ , -A ;KQ
$ !! $ 0 0 OOM 7 B +@ A@ U@D #+ CG2 -C > +C Y
, A !@ -A $ $ $!1 ,& ]0 1 0( B@ & + . -A A
!@ -A2 -C %--U' #+ CG $ $ B) 1$ $+0 $ + ' 9
. . * 0 $! 0 !$ .$ 8;KK=( K= B@ A-C+B@CA @
$D -A2 ) - &* $ !! 0
7 6 < "- ' - "- 1 ( $ 0
K>/+ - C !0 $ ' 0 4 S 0>+2 B@
? A . @ ->+2 +B + E A ? + @ , -A@ 2 B@ ,, @ ,G
C@J-C+ AG -+B@C E >CD +G 4QQ4 C C - "> & "0 $!&) )
!0=H ;KM 3 >G-+ EC->.B+ 2 @ @ , -A@ @
A $
- * 1 0 $ 3>0 @ % F +% + 4
%MRc ' .. ) C! ' " SSS S :: =PO
; 9 ) % * ) ' ' <!$), ) 0
SKM- < $ ' $ 0 ) $ !0 == 5 . L B@
!@ X CD =<!$), ) . 5$* " ) +0
9 Q 6 ' % *
SK < 8 ( * ,0 S, LQ< B@ @S+ A + . . A+
@ , X CD
I -`-$ $0 $ 0 @ . ;
!! a M E@ C A. @ , J- @ A. @ ,
%M] ] C$1 P 9 . ' ' > $ ! P B@ D +@,@ @2
A ?@,@ @2 @ ,,@ @ &C- , ? + -A c &b* ' E ' OO E ' Q
: LOQ ' & 0 B@ 5 >,+G - B@-,-.G -A+ A>@D @ ,,@
= @ a > 0* , )!) - $ 6 ' ) I - & 4
: 9 % 6 6% ' 6 " - & &$
-- ) % D *"- '
) SM-S ' .. ) C! ' " SSS " :: ==O B- @ C@@J@C -C
A @ + B B E@ ,,@D @ , @ SSM) 8
& %0 7 U 2 ;KLP LOK B@ . ,, - +B@ @ B @
->AD E@ @+ +B U AD - @ , -> @2 & 8 TB$3
- $ ,$BHD ` LNL %-C@JB,>? B@ !@ -> @ B C@ Y
+>C@ - +@A ->AD + U A.2 , U@ +B@ A ? +@2 +- +B@ C- U
c b ) " ,!0 $ 0 0 &*& $( B@ .@A> " - &Q
& $ 00 ,, 3 +B@ @ , -> @ EG B@C ?@A -A +B@ -
; 5* - '66 6% - ) !) - &!),, - 0
SMKS < 8 ) - ) - e , + ;QQ B@ !B CJ ,'D
!@ -> @ C $ ) - $ ' ) ,$) $$ $ , ) $0 $ +/ <I
. ' " !0 LSN A A+@C +B@G ^SC !+ C@ a @ ) -A
B + C@ ,,) +B@ @ , @2 -C ,$ ' , * ) ! 5 - AA @>
: 9 6 L%& 1 (
;KSP B 8 ! ' ) & ' , &!0 ;<< "* $ C , ) !) !@
-> @2
%- 10 $0 C % B
. D % %-& - N ] . 1"
"" ; I V
: 5* & * C ' % - % % %
' ) % % * 6 # % ) Q 6
%<Nb M !" $, &!! 8;<NQ( PP A @, UG ? G @ ? J+
D @ D@ ? ? J A a %M<% N & 0 , , 0 A *$! '
!) 1 , !!0 ;=< 5 -C +C>AU - @C + +B @ B@ UGA
%<& A : $ 0 -G,@ & ' 8;KQP( JJ ;NQ I + -,>+ JC-
+ * @,@ UGAA@ JC- --J@C+>C ) * D +PXX [O , ,0 0
0 $ 0 ,& 0 ON; B@ D E+@GA@ - A@ @,U UGA@
[P=< & - * 0 ,& !( MN @A+ - @, B+ ) GAA SMX-
! & * 0 A ! ? JU A -A $ ' &' 8 KMN( JJ M2
L B ? J@C -C +B@ J, +@ - @C@D +B G,@ U AA@ ;P<=
E ' %& 0 $ 0 7 U ;<N= LSM " EC@ + AD B
E@,,G +B @ ,@ U A +B@G .C +@D ->@C ;QPO ,0 ! '
8;<NL( =M= ,U D-X@A @, ? -C ,+ +@C -++@C U A D ++-
Q O>>% ) 0 0 S O<O B@ JC @ -
C E D@ . --D D@ , ,- @C + JC@ @A+ +B A +
@ G@ C . - - A. JC-E E,G +- +B@ + U A. - +B@ D>+G
>J -A @ , , A XKKM " $0 " ' ! 7R
D A+G G->A. D ? @, &@ C,2 0@ D A +B@ - +@ +- @ , U A
9 - Q - % 6 ) * P
% 6 -
SKM- ! :>00 & "3 $ PL !@ , U A ] B@ @ C@
,-+B ? D@ - ? -B C AD -+B@C EC .B+ B C@D ? +@C ,
L A B.6 .) , 8 ) 0 ! 2& . ==O $! . ' '
!& 0 B@ G ? > @D -C +B U AD - , -+B +B@ A@ +
U AD - 3 -B C 1 0 =PN !. $! . ' ( @CG E@ >+ >,
J +@A+ +@S+ ,@2 -? J- @D - > C ! ,U2 AD ? D@ A ? + Y
+ -A - !@ , U A 5>C
; 9 ) % -
SWQL * , $ & K 5@E XM D@ B- JC D@ ) ? @, @ -A
+B@ C @ , U A '2 AD B- @A*-G +B@ - ? -C+ I +B@J TT
U $ B0 - #
c_M& - . 0 $ ) c_ R. ;2 B@ AD A'
@ , U A * U@+ ;KLQ ,& 8;KL<( bKQ
J,@ A+ .B+ + +- @@ +B@ . ,, A+ -,D .@A+,@? >) A B
@ , U A J AD B-C+ .C@@A * U@+ ;KKN " ( ..
*0 $! !0 !$ .$ 84KK=( ) !@ , U A I>@
7 6 Y UG- $0
( ' ' ) B%% MM " @ ,@ U AD C >@,D 6JJ@
M = ?= 0> 0* ) ! - & - $ - %<50 [ %52
8$H B%% & ( 6 -- % * - %
6 % 6 Q % * )
% !J * ) ! '&' - $ - &( EC .B+ 5C-+B A +B@ !@ +B +
B A@ 8!+@ @A 2 ;QNM( (
9 6 - * ! * . 4
9 ?$,&' > 0 $ - 0 O;P 7 B B ^, .B+a
, U@ @ @@A A +B@ @C @A+ C- +B - +B@ !@ B B +B@G
```

,' +B@' !@ ,-A.' +-C.' C !-&' ''> $ ' '-H' ;MPL'
$ '' ' +C' ?$,&'>' 0' ' ' OL=' !@ ' +@C' -,@A+,G'
+CC@D' >J' +B' # C Z ,' . @' $, .B+Z \' @@?' +-' E>CAZ
B B'U AD' -' E>CA A.' -C' , .B+' +B@' !J A CD' ' ,' +B@' !@ '
>A. Z ' ;MQP' ' + M ' ,0' $, '8;MK=(' %&' B +'
J .@' -' $G+B @ ' ?@A+ -A@D' EG' !+C E-Z +B +' ,' +B@' C'
)G- D' B>,@' '+B U2 -AD@A @D' AD' .@,6@DZ ,--U A.'*> +'
,U@' !@ ' >A. ' ^!+C E-' C4@ >-+' -> DWd ;QP
#' ' .' T' ' -0 K< B@' !@ ' >A. ' B' ' ' @CG'
A.>, C' AD' -DD' A ? ,' +' @@?' '?@C@',>?JZ -' ' B+ B'
@? J@,,> D' *@,,G' %;QQM :' S+ ' N&&* " ' 8;QKM(;QP'
!,"&') -' C)!- &' $ $0' !@ ' >A.

C % 'B' ' ' !".'
!"1' ' !' ' !"1'0' & ' 3' &
1"2' '." ' @A % '5 ' B' J Y' $-'
6' JC% ' -(3 / >' -' 8 / >Z 0&& -+(J 7 ['
&) -' * ' 7 [' [' $) -+(J M' $) -3'
' L' -(W ' +' J5 ' ' T $) -&Y0('
T $)3 - ' "# % ') ' 6 ' F ') ' L '
&" % ' :) % ' J Y' $'' '
' %' ") -$'' 4
: ' ' % ' ' 6
:'5*' ' 6 ' & L)') * % * '
) ' ' L ' 6 ' % L *' '6- *'- * %'
6 0 * ' %) ' % * ' '%% L' ' * ' ' % 6 ' L * 6*'
6 ' * ' 6 ' % ' ' 6*' ' ' 6 0' '
8 ' ' $0+' * ' % %')') ' * ' '
6 ' ' * ' L %)' ' * ' 6- *

C ---') 5$ ' & ' 0 ' OP=' AD' B@-,D-A'B '+>A@ A'>AV
+- +@A@Z -CW A' @'B@-' @'@ ,'E +-A' @ ?@' %< 'O! $'
"& ''5 50 OL' 5-C -+B@' +B@' --+@' ' +B' ->+' @@?Z AD'
E->@' ->>A' B' ,' >%]RR $) ' &"'? .0 '%%(_]' ' ? A'
? G' @'+-' - ' ' @?' A' +B@' >C+B@ +' -' +B@' B C B@' E->+@'
?GDAG.B+' ,' IE@ ! ' '(C& - '8&@C G'!- (O-C' " C@'
C- J@'D-+B' +B@' @?G' BC@D@Z 7B A' +B@G' -' +C@G.B+', GD'
E@@A' ^GG (' !$' ' ' Z A' &!' (B@A'
?> +' +B@' ,-A.' @ ?@' -' ->C' B- @' E@' @+' EG' 'J,>?E , A@'
G :) ' 0 ?' ;M< B@G' @ C@' B-C+' ,- U@ ' +B'
-A@' ? ,' @'+-' - @C' +B@' @ ?@' E@' F ! ') '
!00 ' QP' AD' @>@CG' !@ ?@' +B@' ?JB ' B ,' @' ' 7 +B'
+B' ? ,@ +' - '+B@' !J AA@C '%,>@' ' %,%< &' 0'<$ 0 -'M;PN L'
B +@' .C@ +' %- +2 ' +B'+ -' > -+' A' +B@' !B->,D@C !@ ?'
%] ' ^ @@' - .' Ma2 IE (' &' '&%' ' +Z !@ ?Z
AD' .> @+Z AD'E AD' % b :' O' '?&& ' & -$.'
S' QM' B@' #S-A A' -C' #S -CD' !B-@ ' -C?@C,G' ,- @D'
+B' ' , +' @ ?
') 0 5* ')' ' * ') ' ' L ' '
& L)' 1T
%b]% $Z 1.)'<)" &'>'A) ( ) (*EZ'/@'
? >AD@Z "- @' ? AG' AD' B +' ? A@C' C@'+B@C@' -' @ ?@'
A @C@Z BC@Z+B +' ' @ ?' A CA +G' @' B@' -+B@C @ ?@'
- GA.'BG.B+' C@ +C GA+G @' -' E,-D@ B@' +EGCD@' ,,@D'
+B@' @ ?@' -' -A @C> +G @' ? D@Z +-' ? GA+ GA@'+B@',GJJ@'
+G,,' +B@' ->AD@'E@' ,- @D' ;P=4'] '<$!" 'G' $*+0'0' '*EZ
,' +B@' .C@ +' , @C@' '->.B+'+-' E@' -A -GA@DZ@G+B@C' -G' @ ?@'
-C' EG' EGADGA.
' 9 ' -- * ')' ' ')'6 -&'
%6 0' ' % ' -' % ' ' % -' %
' %- ' # % ' 0' - ' % -' % * ' ' %P

,'%<&]'C 0' C 0' &' PPO' ,V@' E@A' G @ @D' *V B *+' ,U' \'
@?@' '>,' I>@GA+@Z 1 +-A.@A' (V' + B@' E +' + C@E' '
,>@C' O=<M)' ,((' $ "'$ ' !!'LL' ' ,GA@'%-CJ-C '
+B' @?G -'.' -,D' R%(b]' (' &' 0('0' !! '
ONKE' B@' @?@' -' +B@ ?@' @C' - @C@D' +B' EC-D@' C@+B@ Z
-'.-,D ? +B@' -CU@' 5G' O % ' !@J+' 8# " ! (
:::' OLN B@'U A. ' +B' A' -,D' 5C@A B' ->C @'B +' -A' @D.@D'
+B' ' ,++,@' @@?' -' , @' % <' ' (9' C$ & '>' $)0' A'
Z ' ? ,, 'J .@' +' -' >A+' ,@ A-CZ B-' A' +B +' B C +@C'
' -C@' C@D' @ ? 'D- A'B ' J A+' ,--A
00'% 0
);LKM' # ' C$ 0' 0 &=0'%B GA.@' AD' C@JC- B@Z
A - @A' +B@' @?@' -' C@@AD B J@' A' ? AA@' B@C+@' '%b &
C$** 2 0' $ ' G,G' 7U ' ;<NO " '"== ' "@@C>AA@'
->@C' B ' --,@C @' +B' ' UA >@' ,- JZ C JJ A.')' +B@'
->+@C, @' @ ?@' -' B ' J +,@' (M?" 9 'C 0' $' ;PM
,0' H - $'H0' ' ' @@'+B +' ? D@' J' +B ' C?@A+'
^ ' -+' - ' C? ->Ca' +BC-> .B' +B@C->.B' @ ?@' -' +B@' 7 +@C '
LE Q ' ' (< & ' ,> 0' 0 %0 ' !0' OPN &C@Y
@J+ B->,D' E@' -' A@,G' C->.B+' +-.@+B@C' A' +B@' ?@'
J @ @Z +B +' A-' - C @' @ ?' ? G'D - @C' B@C@' +B@G'*- A

8 'S' $' %0 9 ' %#)' % ' 1 0
;)K' :) '< &2 'C&* "'== B@C@' 'G@+' ' !@ ?' -'
AD' E@+ @@A' +B@' 5C@A B' AD' > '^+B@' / >+ Ba
;'; ' '$T 5* ' - ' ' ' 6 ' ' L ' '
%)' ' # - ' ' ' * ' ' --0' '
' % ' 1 0
CS- -' &,0 A' 7C 7 U@C' LQ< 1) - (@ ?' E)C@'
B@ @DJ AA A' ;=NN $ % $'' ' 'R' &@' @? 'J +'
E@A' -' E)' EC GA' J AA@' ;PP ' A ' +C' < -) ' ;' @'
O' ' *' EZ B@'J, @' B@C@' +B@' E-A@' D-' ,- @'+-.@+B@C' ? G@'
#' ,,@D' +B@' @ ?@ Z SMS' O ') 0' $ ' 7U '
8;MPL(' <;Z '+B@' - @A @' -' +B@'C ' $ ') - ' \ ' A' +B@' >+>C@'
-C' @ ?' +' ' ? -C@' D A.@C->'^@+ a' ;MPL' ^ @@' "
$0 L$ %MM '# , $ $$ ' ' ' # ' ?$ &!(' ' $ 0 $SS 'bb' +'
E +B' ' ,A@ ' B B'D D@' ' A+-' ' C .B+' AD' ,@ +' J C+Z AD'
,,@D' ' >+>C@' -C' @ ?
9 ' % 6 ' % ' & * ' ')') '
- 0' ' %% L' 6% # 6' L ' * ') '
' ' * ' - ' % 6 - ' ' * ' A* -&' * 0
S---' 5$ ' "-CA' ' ON 7 GC@' E@' A>' AA@' C 2)@BC@'
B +' @ ,,Z AD' S@ ?' @ ,,@' E ' @ ? ' ?D' +GC A' ;=<0
$ $! ,0 ' 0 ' 8;K<M(O<= & G@D' -C' B@C@' \' ! G@ '
, G@D' A' +B@' !@?G -' +B@' @ D' !B JZ $' SM K' ^ @@# , 9' ' V0
(8' F ! ' ' $10 S, ' 7 +B' E- , A.' J+ BZ
A-+B@C' A@ C' +' B AD2 +B@' @ ? A +-J ' ;Q=K ' &' G'
&"0 ' ' QK B@' B JZ ,@+' A' +B@' +@C' +' @ @CG' @ ?'
;QNN%- J5 $' ' ,0 & ' C'C,) ;NL' ! 'C,J+Z @ ?'
-J@A A.'1 / AD' -?J ' ,- +' I I' (' $)' ' &)

'44 Z5* ' - %L '% $ ' ' '- ' ' ' '5* ' ')' '
' * '% ' * ' K' 6 ' (M ,'' !0? 0' P' .'
0/3 ' ' * ' * ' - ' % ' ' * ' % * '%P
#-' ' L ' ' * ') ' ' * ' % ' % ' - ' L ' * '
' 9' - ')% # ' '%% L' % * ' 5 ' % ' &'
* ' ')') ' ' L ' % ' ' ' *) 0'
' %' % ' % -)' * ' ' ' '

'% 6 ' '% 6 ' 6
'4LLN $ ' B ' &' 0 $, '8$-,, (' ;L<QM' E@' E,-D' C A'
E@C' ' +@C' +C@?@' A' BGA@ Z A' C@>@ @ Z \' A' @?@
;L ' 0 0' !! ('C (O 'PP ' ' E@' E@CG,' E-CAG +' EGB->@X' E@'
D@A@Z J +' ' ->AD@' -A' @A@' ' GD#' \' A-' @?' E E@ ' ;MKQ'

[illegible]

```
L *    K'   & # %&  )  66 %   )     *
6       &     - 6 - &
B@   @ ? - .,      D +- E@ ;ON ,E  8 A +B@ ;=+B
+     ;NN ,E  ( - .C  A2 K E> B@,  -   AD2 M K J@ U   -
JJ,@ 2 < J@ U
;L;K  )   ,) '   ,,(! &!!  8!>C+@@ ( LQL  +@? D@  +C- *  @?@
@+ D 2 JC@  ,- 2    X L !    (   $ ) !0 ? 06#8   =L J@  @? -
.,    -A+@A@X-  SS  +-A2  A+ @>@C   +-A -   J-AD  4LL<=N
!"  $, (   &!!     <N  A *  @?  @CC  @?J+  SS *   ;LQQ
7.   A   0    LK 5-C2   -+ .-D2 J@   -,D@ D-  ?-C@
-C  D-X@ A@ B  U@A@   -C -C   @@? -  -+@   ,  ;) N C &- *0
C$  (     %@?@2 -C I>  C+@C -   -?@2   )$      2 '(   1  0
=PO ;  !@@?   %]?   $  &'    )  ,  2(   ,,( 8!-?@C @+ $@
!-  (  %#2 444 X@?@ -  E-CDG 2 S *D +B@ X@?@2  AD   * X@?@ -
J, A.G  S *D +B@ X@?@   !LSn   )   $-   &)    ( ?.0 8!>C
+@@ ( ;;L &C-    C  .- *   @ GC @    ,?-A>?2 C-D
,,0   0 "&     & *0   $'   1((& GD  -C  *  @G?   - ,G?@
+- G@  BG?A@G          )  !&2    )  ,  2(   ,,0 8%  ?D@A( OL
+@?2  -C    B@?@ -     --D   +  +B@  ?  UGA.@ -  +B@J     ,,@
2  * D     GI R   9        0 8;M<M( KN   ,    2 EG +B@    ?@ #CY
D A  A  @   -A+  A@+B ; !@   ?2 O=  !+-A@ 2 S  !+-A@ P &->AD
SM P C   !0     $'  ( 4  O<= ^%-CA   ,, (    B@ @ > @ >, ! AD
C@  @+ B@D  -A  "-C @ E   U   -A@  "-C @    CCG A.   E->+
OL -C =  .  ,,-A        B  @ ?@ 8-C B-C  ,-  D(   +B +B@   CC  .@
-?@   +-   E->+ KD  -C <D     ;) <    B        ,0        )    PO
!@  ?  -C  "-C @,-  D -  # + 2   B   B  A  -?@ J,   @        Y
->A+@D      .B+  O> B@, 2  A  -+B@C  J@CB J   ?-C@ JC-J@C,G2
E>+   ->C   %_Rb  &'  0 <$00   -  =SNK L   B@ %  C.-2   -A+  A
A. QP;  !@  ? -  0  C,,   %  %<     B) 7         ,0 <!&),0 OO=
5C-?  +@A  +- @,@  @A T  @  ?  2-  A A@ J@ U  @   B2-  *>   G  C> +2
C@ .@A@C  ,,G  >      @A+  -C    B-+B@  D  -  E-  .  ,,-A     A@
?@   >C@ ^-     D@C(    %    V  '      <!&   (     2        U  -
@ .B+ E> B@,      A-       ,,@D     @  ?2 E@   >  @ +B  +  I>  A+ +G
-C?    B-C @ ,-  D
6    I *%          $,.$'    $- D    6 "*  %   %    6
E    N& K          9  1(     .$
;     9 6 % "-    D                           '          6L
*  &  %         '%     %  / 6L          %  L  2(    $!(
;QOM ?   ,         .!"  " - !0 P    >.  = !@  @C  , J   @D %->C+ 2
B@C@ A   C@ ?  D@      B->   AD !@  ?   -  &>A.  @  @CG 1@ C
;KPM :  %  =          "  ,          ,0     S   M     $ -  8/@  -A  (2
-  D>A.2 L   +   S&&-   &   ' 2 $!! <!&  0 (   $     & -    0(   &%) (
-C N $'  "     ,-  D -  E  G2 ?  A>C@2 \       +  ?@  A     +B > A-
D@  A +@  I>  A+ +G2 E>+        C+ ,- D2     ..-A  ,-  D2 \      XKKK
F "  8F> ,,@C %-> E(     & "   &2 '  Q          A+  G-> +-    .- +-
E@  B  -C -C@    @@D2   A     CCG  - ?  AG  @  ?     G->    A
?.![           1(   C  %    B  /".
!".        &          .      &                 ."1            1"2
1         ,(    &     2            0"      $!0
,(          2"'          @   JC   $ -       -     $ -
%      -     %  $ '(         C%      -&       $ '  &)5 -  %
A     E      L  %   <I %   $   '    ( $ ' (A    -  $   '(
$   (      $ '( :     $   -         '- % F      $   -   '(
%  -           6-      6 - F   $   '$              )           4
;  :  C      )%          1 0
,  + --   $  2  '  >   $'    10 C  0  S   M !    @      ? D  @ ?@
?   ?  D   @+A@   @  )@ @,,@D E@-D      >,  ? A    $ 00 \      ,  0     (
=;O  )@ A@    B>,@A @+@A   ,@   B  A@   @ ?  E>+@A  A@ ?> B@,@
@ A@   @     %<$     0    0     !!  ( C 0 %  OQ  J@C        A +B@   B  ,@'
E@,,Ga  A     G?  \   A   - )@ HL$     >->C@D       E@,,@2 B@C
EG,D@D B   B->C2  ,    I  E#            $!&  )    =M ;K " @   -CG@+B
B   EGD@      +B    G?@ -  B@CGA.      S  S.  F     ,      "   '
4  M;   AD  >? J-,G +  @E  CJ   J@GC B@GD    -    +@G,,      -
?  U +B   ? ECG  B+   G+B  @+  C@   B@ -C     ?@     %b]% $  #  $0
<)"  &'>  A)    0          )     (  "     * E2  3 @X@A+@C@-A
->@C@D      +B .,  ADGA->  .C@    @2  AD       -??-A,G      ,,)
@  ?@     %b&b  ?$!! &!    &!!0     ,,(  =      0+(   +@?2   -C    @?   -C
+B@ J,>?J@    AD +-  #    @A   -C ?@AD A.   -     +2 S     7      %MR
(  =       (  ;;               !B  ,,  +B@ JC->D    -CD2   B +
E   +@  B     CC-.  A  @     +B  B     -   A@    @   ?@    !B  ,,  B@ E@
-C  B J+     %M(< @$  :    !        0    !&     '         OQ     B@G      ,,  A-+
->C@ +B@      ?@    ,-+B   ,@  A@2 E>+  ,@  >@    E  D   >E  +  A  @ -
-G,@   AD    @  ?@  A          %M<]       R              +C  C$      ">         .  (
,    <;    AD +B@C@       A-+B@C U AD -       +2    B   B          ,,@D
)    (  @  ?@ ^-C.              C) - +(0               ?>  B DCG@C    SM  X
*  %  C&  -    4    J@C  -A  -    - C  C@     C   ?@2 " @C E-D @ ?  .B+
E@ , A'D      +B"     ?@     ;M<4          &!!  , (     &         ;L;    $  -   (
B  B    @   JC-A->A  @    -?@+ ?@   !@   ?@  )  +      .A    @   A-+
-A,G     --  @  .C@    @2  E>+   A   .@A@C  ,     AG  U AD -       C@    @ -C
!@   @+  -C  #  ,2     B@C@     +B  ->C %,-+B @C     A-  A+2 +B@ C   7 --,
;  )                )           '            KMQ  &  C+       ->C +B@ C>  +G  !B@ ,D
+B  !@  ?
;     7   )  H -  %
-        .  7   OM<  ;  !@?@   -C +-  CG@     +B2     " '      *&       $)0
9        )   +C     !  5    T        ( 8;PMK( =N       U@2  B  ,  @   A  >A  @
-      " -..@   .C@    @ -C   @G?@     ;MNM      )    ,   2 0      ,,0 C        '
&'( @+    8!>C+@@  ( OKQ  5-C     J->AD  -          A@'     @   ?@ +- +B@
E@,,@  2      * D      ;QKK  7     =                 ..       &   .     (        L=<     $  - (
E-.!      CD       L                     $-  - $    ?&     .  '        2    B@     A    @A+
D   ?@      @C@2  D     >     A" +B@ @          G -" B  C+  B-CA   A"       A@'
@   ?         >C@   -C +B@ CB@>?  +
!@     ?2    1(      ,(            '&    T      9-        .
&              =        . ' 0 $'            !!(>+              @A  %%
JM    $)-Y         -          L       &-( W              ' +(        %*
6  -      +B   $)-3              10
B@    -C?  C@JC@  @A+   +B@ #         $-              0  * +B@    @A @
JC-E  D>@ +-  +B@  A ,>@A  @ -   +B@ #          -C?   ,  @I>     ,@A+ (
9                        -     % % #           %                       )    *       # %P
-            )          )                6-          %"    ' -               *                    *
-             ) 6-   6*                    %  #    F       3     1 @(            3
1   0     9-          $-3'$!  =   &       )-10  <!&   ((    0   !
6  >  ,,G       -     +@D     +B   &    (  +     ->A+@CJ  C+
;=NM       )     $ -          ,,0      &!!    8!>C+@@  (  MNM    +@?    A    @SJ
9      CD    %->B CD  JC-     @?@  @+   $>  @2 O)     [=Q=  P   )     M=P
%>?     @?@2 C-   @2                 @CC  @+    ,  .A     J    @2  @+  E +>?  A@ ^ -C
C@J    C A.           @CCG E-  +(2       ,    ;=OP     &$                .OM  A       &'     ",!
"       " C!$ "    ON 0  D  B  ?     .-     ?   U@         B J         ,,   +B A.
B  ?    >,   ,,2 &  +  B2 +  C2    @   ?     AD C-    @     ;=<=        ,,0        0
$  (     ,&  0        OPL     +@?2     -C  +BC@     +  A@     AD   +>    J>AD  -
@G?@    AD  C>  @ +-  +B@     -UE  +@        1     0 OP=   !@?@    AD  +>G
8  @@        3      10W0
/              1(                    $                              /".
@JY   4T      -$'+(       -$'(    " -  $ '    ,  [    %
N  FD  N:::
```

```
$)-B$'(   T $)-&30        "           &' 0 5        '
'%             -          L    )*     L  D    -                L   )*
*    #-&
,     &           '          %(   <$ *0     >U@  S    =M 2 @    @? +    ?@AA  CA !
@  ?>?       !@ S@E@  C   A@  ?    *-A     ,  $+++  I   .6       <  ' 0 S,
;L  8  C(     AD  B S    G?D-A  BGC          A    AD     GCD-A  @ +   +-
:V @C@  E C .      , 02 L          ' 0    &! 0     &  ' 0 &<   / @        @   )@ >C@
B@,@AD@ >JJ@   @+ E@A  * -    -C   A@.@D@     AD    AA@ B@?        ,-W
+-  ,@+@A     -C B@?  (V A E@! B +  .-D@   B@  @ B@> @,   B@   @?@+,
@CX) -  <   ' 0 #     5 0  %<Mb   @A  U  ?@,@    @?@!       $      @A@Da
-C-  B@ A   ?2     X.                        C&  -     KO J-  ^V +  ?@ -JJ-A@
BG        @+@  ,V-DG  J@  B@>G@   C->@E@    @?D@     ,  ;=PN         . >
C       $! O;;       ?  A  B +            +  UGA     G+  @A?G@  2     AD
@?-+    G+B  G@CA     ,   -  ?-AG     B@  ?G)+ B@C@
@        "   10  W
:       $'  0 5        L    *                    %                        D
%           &'(  &           ( )*  L     *                    %
;PK                       B                '                8  CE (  ONN     B@C@ +--      +CV'@
,>A-2 +B@    B  J,  GA@ !@    ?     J +B@@ E@D?  +@         ;P<<
&  - 0     &!    $"         " @C@ +  U@ +B     J     C -     B-@ 2    >+   ->+
EG  " -D.@2   !+    B@D  EG  ?G  @,,-     5 CU2    @   ?@D  EG  ?G @,
Th_                '                  $  '$'       *         <L     ,,    , AA.       C@    @   ?@D
-A      SKM    =         "    9       )         0        $!! 1(     S      2 !-?@ ?  D@
+B@  .,-   @     +B  +     2    @   ?@D  +B@    A.@C   +-.@+B@C    AD J>+   A
+B@ +B>?E
$1  &!0     L@^   :          +          *       ,       !       $, !!(      $0  ! (  (/ :
1                    1       !                        $
<*     5         '%        *        %    %                     L     *                     %
D       -                                  %   -              %#                          %
;P<N   <                    &)   ' (   <$   '  (   8SM M(            "               -   +
.C@@A@2   7   +B      @,+        -         B  +@2      @   ?D@    E@+     @@A@           ;MN=
'       & %  <$!!$  '       O  O E2     B@C@          A-+    -   ?>  B     @,>@+
+ CC A.2            ->,D B   >@       @   ?D@              @  C@A   A+   O>     @  D->E,@+
-6                B          \    -.    C&)     C!$ "                   (            0           -              !B@
B@     D   ?@     .-    A         AD     B@  D + C@  2     ?EC-  D@C'D           +  -  + 2
?-  U       @    ?'D  +B-C-            +B     >+      -CU          ;Q=N                    3 ..
&11  '&!   2   O;K      B     &     C  -           ,-   @  2  EG      >C  ->         C. A
"    AD       ?EC-  D@C'D2  @    ?'D      +B  !  ,U2    AD   C A.'D      +B      -,D2
-        '      0   5          L           $!(
EE   (          :                        ,   ?       .    !   "         ?$'.       %$ 3$ %R]    B@
D-         ??@D     +@,G     @A+  -A    @    ?  A.       SKKM                     <!&    0(
$-(+-     @          @   ?
V '        '    (    $' (            '    0 5            %                 "
6* D                                          %                "      6*                          6
)
(  ?          :           5                "               $'   31.(              !  h&.)0  S         <R<
^9A ++ A.  (      -      $ - (+- UA +            ++ B       +B  +B@    -++-A  E@ -C@
+B@  A@@D,@        (    M +!              5         )          $      S         ;=O  !B@   @   ?@D
AD  A  CC-     @D    A-+B@C @A+ C@  C->AD
;+     $' T 5              %                   '%     6      L     * -            %      P
D         '%%     L            $                        %  #   %   6*
-            %    -L   &       6              %        )    *        6             *            %  *
;P<M     $                       $             !( 7U     8    ,-E@( M%MON    AD    >C@  +
G@+     ?-  + E@  >+   >,,   AD       @@+     ->+  +C@G      @    ?@D +BC->.BY
->+        +B   ?   AG   .--D,G  C     @C          G5   T        M                !   -  (          ' 0
8@D   N.        N]N     B@  JC     ?     ^-    $-   U  %CG  +   ,a     C@   .@A@C   ,,G
@    ?@D   J@CJ@AD     >,    C,G +-   +B@  C     S            ;K;P                           0  & %
!            S   *        B@   .C @   ,G  .>,            AD       ,  +G C   C    7 B    B    @   ?
+       B      @C'D  B@   D        ;KP=        $  7         (               "                2               ' N  !      C  @
->,D  +B@  J   C+  A.    -   @   A     ,-   @2  !@    ?@D  EG  +B@    3     G  ,-      @C'
,@        A.  E-    2   7 B@A  ^@+    a         ;KML    T                9                -     $  )%   __.
;           B@    , ++,@   C     @C         B    B      @    ?@D   +B@    .C->AD        ;KQK
(        9          \        +                   $ &,,&              %_&      B@    .C@    +     ?->A+    A
B     A  +B    + C-    @     +@@J,G E@  -C@ >  2    @    ?@D        +B     A-      +B    +
(  G    A    B-,,-              -C?  A.       ,-A.       @C+           ,         +C@   U             ;KQK    3
:                        E            ( & %     $             ' A 0  ($ 8@D    <. N]%  &,     A       @    ?@D
EG  C     ,         G
6  %    L     '             6  D      -                   6  %          %
*                                                   %           )      *          6
4K<!                 .                          C     0                 (   2 ;=Q  !      C    -     " -A->C    @    ?'D
B      ?    A,G 5     @       ;QOP          1            "          0             <<b  !@     ?'D  -'@C        +B
->AD  2       B     B  B        -      A       EC@  .       @          ;Q=<  5+        #                  &-
"&'                           +        ->,D  E@   ?>  B  E@++@C    -C  +B@?2         +B@  C           @
B  D  E@@A     @     ?@D         +B  +B@      ?       ,,    J-S       ;KOP                ?           &
SS     2               @+@C   A       B-    @           @  B   D  E@@A      @     ?@D        +B     ?     AG
C        ;KP<                                             !$     '        Nb      !@      ?'D          +B       A         A     @A+
-CD   >+      -A   +B@      B@@U           ;KM=      ]            "!-                      0          %]     " @C   2
?@    .C@             @    !@     ?'D         +B   +B@       B    ,,-                    C@       -                 +G G@    C
;KMP                                              )   (                  '                 S2     "                @          @     ?@D         +B
*@    ,->    G     AD    A.@C
'           0  5              6                '%         D           6%   6
SKK-           O                  ?    '             )    =NN     B@ C   ,  J    E@.    A  +-   J   C  B
AD      @      ?
$'   0 5                            *                                    -                  %                   -                    &
"       1     1
;QNL                                "           T C)     ,     $            ;<=       B@   !B@@+     -          @       D
B     B       C@      @     ?'D     A  +B@   &,   +  -C?          ;QSO    :      R     "            +C
?!&  '     >         <$             '    '        OSO       B@    !B@@+       -           @       D        B->,D   E@
@    ?@D    -A@    +-           A-+B@C           +B    !-,D@C             GL^        (                                  A
C       !(        $'     0        444          LMM  !@       ?    A.  E    C  2     @++  A.  +--,   2     AD
,                C@        2           @C@      ?      D@     +-          -A     A@       AD       +C@+   B   +B@  J     C+
+B@G        @C@      @      ?@D  +-.@+B@C
#       5               '%             *   L       *                                    %      *                    %                   '                                        %
;K<<              :                       1                         $-   $    & %      2 &                      9        B@  C-     UG
-C@  #          +E-    @)  ,-A@     ?->A+      A   2  C@A+      AD   -,D2                @     ?'D      AD
@  A'D        +B  .,    ++@C   A.     -C@
%             9-   -&                       1  0      K$                    "         -5   L            $'    0  G
)1         .    1                              $
cbaa  N       ,        <             %  0                     (        K  e                -+   @S    @DGA.      A        @   .B+
+@C  +B@  C     +@      -      S8*  J->AD@    7   @,,@      @G?@D        E-      @   --A   I>      C+@C
-               J->AD       -C  +B@                 +@               ;P<O    V           "         C  0   C        '    !                                   =  E2
O     CC@,,   A.        J   +B@   DC-JJ A.            -         B@C   A-     @2        A        +@@D@      -          -G,@
+-            ?@        --,         +B    ,,
<"                                      *&     0     5    :                 "                        $                '                       /                           I
2                                                       $
^L@                          9                                    0          0    C              %b]        AD        @C+         A@            +   CC@             B-+
?      D,G      C-   ?     +B@   C   !JE@     C@     2       -    B@    C@ +B@   !@        ?        D      ?>         U@
=MR<   ]                 $    0%&                  0      ?                    ;;P      !-?@     C@J-C+2              !@        ?       D
J           A'D  B     ?          %    R&              0                &-$'                '                    )    -   0                      A     O>,,@A
0        C     0               2          B@G             ,,  +B@?  !@         ?         D@        -C  3@C?         D@     2         A.  A.
@@+@,G@              %M<<     &                                           C        ,$   &    "                  !0              O;        1->
B@C  E-G@             AD          @         ?         D        D        A+G        C>@        5   C@      @,,          ;QOP
/                       "         0           !A                    O>+        +B@      EC   .B+         @         ?         D'            .@A+,@
J-     @C          ? JEC'D2         7      +B      A@      +      C'D     DC-J           +B@               U'A  A.           @A  @
```

```
C@  +-C'D       OQK<         81         A )       %              0       &'      &'     QN  !-2      A     @A+
J-@+          G2      @C@A@         B@        @         ?       D C D@       +B@               @   2       SK  K       =       . "
$ - &               ;OQ    $ -     U   2       B@C@ E        U             +        >??@C  A--A   +B@
!@         ?       D           OKP<        -                                     $'                   #N     7 @          >.B+    +B@
.,@       ?   -        @       ?       D   B       C
!-          !@         ?         D@A
OK<L                     2                7     B            ?             '     $' $' $     K<       B@          -AD@C >,
@          ?         D@A        B-?   OC@AD   A  C@       +-C@D  +-  ,        @         ;K<K                  =   B
" 0         *!       '                               MK   !+-C @   2    -             C @    2         X   CD  2          +@C  B-+\@2
AD         @         ?        D@A
$      9-            @         ?@,8,         a                      8
B@       -C?                ,     -        !!           J@CB         J>C   ->  2      A     @A+@D                        -A*@     Y
+>C    ,     @?@AD   +      -A    -           ,$  -       !        A    !B    U                      -    *0    A                     ;QM
MQ     7            6          "  01M(C                  8   MQM(    #9#         $         )          ,       '                 )            -      '&    0
B@          -??-A   !@              3         ,,             ;QPO   #                  ..                             0               '         -   0   ==K        B@
,@        @C          >,,2   -C    !@              ?           ,,              B@    D@@J2     .C@G2    !@           ?          ,,                 ;QQK
3                    $.     0                -   *0    A                  ;QM      7U           :      ML        '&       (      B@-E    ,D
B     D        @CG  C@           -A     E,G  JC-J-    @D  +-   C@     D     @          ?         ,,   2  -C       @          ?@,      2
[K<=       (           8                                    (    ?             (          $3-   $!!(   3-        !    -C      ^-        2     B          @
E@@A  >       @D       AD        @C@A+,G        -C          >,,
8     C>     )A(2         &              ?@A                    ^                                10    a
=             A      W  '      0                '$'(    [                -     $'  '(      JM              B       -$           3      0
$           $            '0     J         L*                66'                                    %             '
*                  D                -    %                                                                    -                                   M      L
-&      *&        (               %                   &           ,$!0            9-                L       *         K'       -    &           )
L      %     B     J                        --                                     #)                    E              *        ,(   9             -   %
-      L        *        %                                         6   %
$        '        (  $1!   (&           '$     "            $-  $'(  +B@   +BC@@     .C    D@       8E@.    AY
A A.             D+B    +B@        B    .B@      +(      -          @        ?@A         A       +B@          $-G      ,                  G
,        $'          $  -  $'(           @          ?         A        A  +B@        ?@C     B      A+        @C           @2
?       &2      )   !%LO<             C                +-D-A2          @?          AA              @    C-              ?-D         @+.          D@C@
%;ONP                          O;MP     OC>+>        B   +    E@CD@                 ..@A     B>CB  B                @       ?-AA@A
8     OOQP        @@       ?        AA@A(            O=LM             1         !                '            0    C&! ,"          A     C&!0       C&           -
8$-,,       (                  ;MM           B          +       .-D@           @@        ?@AA@            -,D    A-         ?-C@   D@      @CC@2
O>+       E@+@      +B@?@    B-?@               %4=QN            '                                     $!!$,             S        =N         !@?@A
B@        @G+2        AD          .                +B        ?          .>D,G@                 .@             OP=N                 ,        LO                     ' 0
(          ;=          B@  A          >G                     +B@    ?          A+@A         >A      @      -       ?        AG    ?         +@C
?         C  A@C           AD        @         ?@A             OP<P                                   "&        '                        <O         O>+     8-A
+B          D      G(       ,@+       !@           ?@A        @      C@  A-            C          U@              OMMQ    =                .                   C 0       0
ONP          "             ?             B@    &     ,-+               /  @@?      A.           -?@               ,      AD2      -     +2                 !@          Y
?@A       +@,,2          3     --C          EG      B                  D@            OQN        C       &,!$   -     (                    :>A@        A
&'         0    <$00          -       LK;P     O         -                 E,@    !@           ?@A2    #CD     A        CG    !@           ?@A2
-                   .B+B     &      C+             OQ=P                 &      >                 '         0                $                -      $'     8;K=;(
44         O=K     #>C          @          ?@A             C@         @         +@@?@D         +B@        E@        +                ,-C          A
+B@          -C,D            OKP                                                              .0                  !!         '             &'     KL       3             .B+G
!@          ?           A2        +B                       B@          7               .C@    +     EG    ,      AD                 +B->    EG           @                   OKP=
,        OQ                ;K                0                   ON=     e      O        ^3@C          B      A+            !B    JJ   A.                   +    (
!@          ?           A)        B           ,,          A         ,>D@@         @CG &@C         -A  8@S        @J+    3          +@C      2   &     ,-+       2
AD           JJC@A+         @              (      @?J,-G@D        -C       @A.          .@D      A             AG   %       J             +G
-A       E-         CD          AG       !B      J                   ;KMQ                                          $     !&     >                      &                   .0                2
B@         E,@            @           ?        A                      +B@          @                    C   A.           ?          A         B-          UA-                                   ,,            +B@
D>+     @          -          -??-A          @         ?          A    B    J                "                 C     +    A.                                      O                    B@
-CD      A         CG           @           ?           A                 ,@               I>          ,            @D           OKK=                '    ,  "  ,!0    ?            0     4
O<               B@      J@C        -AA@,           -          +B@    OC  +         B A           G                      -?J-          @D      -         +         -
D            @C@A+       E-D   @            -             ?@A2   +B@            @         ?@A             AD     +B@         ?           C    A@          2    @          B
-                B          B  B                  +            JJC-JC        +@       -               @C                     1              0   O<P        ;              B@           C@
-                     B    J           -                   C            -A             +            -             ,@        D    A.           @        ?@A2          E,@          @         ?@A2
-CD     A          CG           @         ?@A2   @A.    A@     C--?             C+              @C      ^@+            a
+E                        $-              '                1                  H            @@        I>-+2               1   (
A>+/                   ;                   .                   1.                  0    &                -                $!    "    #      B@C@         C@          ->C
U      AD           -          E@@C       A        OC   +        A           !+C-A.       O@@C2   &-C+@C2                E,@      O@@C2
-C          B     +                        ,,@D        !@          ?@A'            O@@C2          AD       !?          ,,         O@@C
-                       $            10            AD               &-1(5                 @          ?           A                     CD    bf                  R
)                      @         ?          A-C          +2        @         ?          A     B    J                 @           ?            A         .>AY
A@C                    K'                     012
;MLM                7                                      )                    !&$           '                             0          A                         2                   -         -+B@C     C       C + @
+B@     @           ?       AG              .@           O>+          &-          D@C2       &C     A+      A.2           !@          ?          A         %        CD2
AD         7           +    B@                 ;KQ;                    .                           &)        C       $                         &      0    ;0#;            A        +B@
A              .     +    -A          -                  B          B          A-           )       @          ?           A      C       +                 ->,D                                ,                   .             A      +
?         @C      E,@           B     J          C@          U2           ;KMQ                                            $     !&                    &          31.0(T             $3
-           )G              '     '                     (    ?@A          B-      B             @    E@@A      +C        A@D          A                )     AA@CG        B      J2
AD      6      @C@EG    E@         -?@           I>        ,             @D     +-            A      +C>        +      -+B@C            A       +B          +      D>+G
;                         =                                                   Q                        1     0
S     )              -                                                 ,                                   &)            0                 $         )                   PL         %-AC     D>                    @       A@C
A+@+B      +B      +       +B@C@                                         @@A@               +        $-?@        A         +B@        .C@             +      C       >@C2
@           ?       A2     -C         ?-A        +@C         -             +B@                   @                              ;MSN               '                   ..                     )                 $  -                     '  G
?                 (     ;     )=MM     &,         A       @        B          +B      C@J-C+@D       -              +B@               @        ?          A                 >.B+          A
+B@            +C@            .B+         -                 EC         ,+       C             OQPL                     $-        1                                     " ,!0       !>JJ,
'(          B@          &B     ,-         -JB                ,          C      A                +        -A                ,            -                -A+           A           A
->A+    -                     @           ?          A         @@A        A     +B@                 ?@C                 A          @
8     C?  )A 6      U(2    $0     AD    $              0       ^             !               +
3             a                     9          a            $ $     B0    A*   %   6      %            6                       %                                  )
)                                                                                              E      $                0     :                                                 -                                           %
OQ<M                    8               7                     $      (              -             0    8;K<=(     O      O>+      @           @     G+B     A.        -A
E-     CD                                  @          ?          A,    U@           AD      A@        +           OKOO         !           -CC    C               $                SSS2
3              +@C          C      J+-,@?>         1@,,-           ,@G                 ,,     +@,,    G->      B-                     @            ?            A     ,    U@
J          ,-+@D     B       ?     +-     +B@        ,  ++,@      B             @A2              ;KK;                      -                   LN    :>A@            ;;      P
A       +B@          -J      A       -A       -        +B@     %->C+    +B@          @              @,                               A-+      A                .          +@D        EG
+B@           ?              +@C                +B     JC-J@C           AD           @           ?             A,    U@                C@
2   8     C?   )A,    (2    $0        AD     $               0               ^                                                                                  
;  "F5  4    <a        %      6
4Q<K                B                                         0  8OKPM(           P;2           E@,      @      @2    B      D      G->          E@@A
+B@C@2    G->                ->,D      B               @    C            JJ@D        ->+           -?@    ?-          +           @            ?            A,G     -         +B
;KK                    .                  B                ..               $'                   &"0            ,,2    S                OLK      O>+               -C     +B@
@          ?          A,G           -C@             .B+        -                   JJ@C       A                A      B-C    A.                      ,   A@        +-                   CJ
,-A.                      +B                @                B->,DA'+      A              @      E@@A            E,@      +-                 +    C     +B@   C            +           C-?
+B@             B     J'                   D@                  O<NP            *     $.                ;O            -                 OOM    O            B@      C    D@                C@       2
J      C+        C-?       +B@    D@             C@       +-      D-         +B@     C    D                  >,+                 -CU              @              ?             A,G2
C@              @A+C@D        A              @         ,              +@           U              AD   E@         C           ->J
8            ?!A          J(             ^                                                          N     "              1    V
B@           C+         -C    JC                +            @      -          ?          A          .      A.                   B     J                          @          D          +B@
U       ,,        -                                  .--D             @          ?          A
OQMM                                           ..                                   $      0                 S                O=O             B@             C    +             J+           A                B-
UA-                                                     ,    ++,@                 -                 @              ?             A        B      J                                  D-              -                     C      E                           OKPP
=                      B.                                     00                '           0      S                                                   OLM             B@G          ?             A+               A@D       +B@
-A      ,                +             +B     +B@     C         >          >           ,                   ->C            .@             AD                       +B          ?-C@           +B          A           +B@     C
>          >          ,             @             ?             A     B     J                ;KKM                  '      ,      "$0      ?                    0      4    4                     PK<        O         !@               ?            AY
B      J                               +B@               C+                 -                                         ,     A.2                 ?           A-@>      C    A.2          AD        JC@         @C             A.
B     J    -C            E-              +       A                ,,       J-              +      -A                   AD      >AD@C                ,,          C@              -A             E,@                  CY
>?        +         A         @
$
$          5*                         '                            %&               %-                                                       *                 -       L                                      *
0                                                                                 )!!            $-$          .(          *           -                                                    *         )*
#
```

[illegible]

[illegible]

[illegible]

+ ! @ ? + C G * ! @ ? J + C G 0 @ Y9 5YE
; "% 4 5* 66' % - & "
% % % 9- $ 10 $ "32& .0
$0 ;P<K &) ' &(E U + + B A @ ? +C,@
-CU@ %4MLN $ (, (8;KQN(LK +C A.@+- + U@
B@C C-? B@C @? +@CG@ ;MKK (" ' &) " ;;; <Q O
!@ ? +CG -CU -,,- A@S+ A -CD@C+- +B + - G,-C
;ML; 8 .. & - & % !! $ 8;KQM(;QL !B@
? G,@ CA@ B + E@,-A. +- B@C ?JC- @?@A+2 -C!@?J +C @
;M<P $ " 3 C 8!>C+@@ (PL B@ F> U@C
A- @C@ A@ ,- +B@ 2 AD ,@ CA ,, -C+ - @?J +CG
AD E@B ->C ;QMN QO " &&!8 A)$!0 8K)(
;OQ 3 G @ B D, +@,G C@I>@ +@D B@C+- ,--U ->+ -C -?@
@?J +CG -CU ?-A. +B@ A@ .BE->C

; ! @ S>G2 $[1 0 $ q : 1 & & @
K N " V C@ G

$;PO< 9 0 <$- , ;M< B-> .C@ ,G . C
.-A@ ., G?G2 B-> @+G ,->@A @G?G

! @ ? G 8 &? (2 7! ^ 1[N " V
:< 7 #) % ' '% D 6* % 6 %O &
$- " (- * ' %) %
6 L * 6* * % ')*) * %
- :% (@ % * 4 * L %)%
% * % ')* - 6* % 6 % 6

4MN= 9 ! (3$ > %]M !-?@ > B !I> C@B@ B +
+>CA'D G->C +2 +B@ @ ?G D@ +B->+ AD ? D@ G-> +-
> J@ + ?@ +B +B@ 3--C@ ;KLQ : # , V
0 = V) A !? ,@ C)1! ' 8;K<;(=;P :
E@. A+- +B AU + ->,D E@ J,@ A+@C +- -,,- ? C B A.
C@. ?@A+ +B A+- @@+B@ @ ?G D@- +B A+@,,@ +> ,+C D@
L $ 0 (N JC]R<0% "@ JJC@ +@D +- -A D@CY
E,@ @S+@A+2 B + @ ? G J@CB J @A+>C@+- ,, +B@ @ ?G
D@ - B>? A C 4KMP # ! .0 < 0 ($+ :::
NN< B@ J,@AD D AD +B@ -CD D2 +B@ @ ?G D@ AD +B@
?--+B2 - @ + % C@G ;KKO Y8 $ 2 % '0 ;KP
B@C .B+@-> B +C@D - EC>+ , +G AD -JJC@ -A B B
E>+ +B@ @ ?G D@ - .@A@C-> G?J +BG 4K<< "
F C$!$ ' & %C !$ ' &* " %]M B@UA- ,@D.@ -
+B@ @ ?G D@ - ,@++@C

; J * '% %% -) % D
% L *

;QQM : 9 +C $-& ' > $ QP " C ? -A @ ?G
C C@ @ , B@ >C@ ?'D @A.@ A @- +B@ > , A +@@,
;QKM + , 0 & '10 2 U@ -?@ E-,D @+'C A
? CU'D +B ? AG @ ?G C ;KPQ ,
! (% " - & ?$ & ' 2 -A@ @G@D -? A2 +B
CC@D AD @ ?G @ % ?] ! & - H3 B - B@C@
1 -A -,D D@ @C+@D @-C. A B ,, 0 C@ +- +B@ >A B
J +@-> .@D C@ + AD @ ?G EC@ +
& - 1(4K=N # ! & 8;K=;(OK< B@ C->.B
@ ?G @D2 C E-A@D %-,,@.@ !@C +-C

7 6 $

4KQP + \ / $ * & 2 ' S2 ' .,@ ? -
, .B+ >J-A E @2 B B EC->.B+ ->+ +B@ ?-C@ -C E,G +B@
@ ? A@ +B B B B J -A @C@ >CC- A. + 4K<K
O ! " C& - & % $. 0 A+C-D MN :-A -A' C>Y
,@A @2 J C@D A@ +B@C +B@ @ ? A@ - A -JJ- +@' JY
J C@, A-C +B@ D@ @ + A B J@C -A , JJ@ C A @
!M!6 ,+@CA + @ -C? -
D # % 1 0(&
6- # % %
: 6 $ @C% $',) JC
& B f F > 4
: '(9) - % # % % P
& - % 6 & % ' %
% - % 6' % %'6
& - 6 '% % % * -

$ +J 0 & $ ' ' ' 7 U ;KQM M 1->C
@ A @ AD -A @C X -A@ 2 B B B @ BC@ D > J -A
?> + E@ -?@+B A. D>,, 4KK= V ' $! ,) " L # + P L
B@ OC + B -D + -A B->,D E@ @ C@+ -A , @2 AD
@ @CG -A@ ++@AD A. + @ A @ -C C@J-C+@C , J>CJ- @
D@ @C @ +- B @ E @ C C-JJ@D
; * ,0 9) % * ' & % ' - 6
*

;K=P O , ,0 & S QPL B@ B->C
- , +@ +B + A- -+B@C E-G @C@ +- E@ ->AD AD - +B@
@ A @ EC-U@ >J SKM- !! $ &) ' - MM LQL B@
J C + C JJ@D ->+ +B@ C D ? ,2 AD +B@ @ A @ + A
@AD SKKS &)&> &) 0 0 8KKL(OOP B@D J,@
B- B E@@A + J C +> , +' @ A @ ;<NO 5b J "
& 0 *)$! - ;2 : =; B@D@ @,-J?@A+ - +B@ &-,+@CY
.@ + J@C -C? A @ A+- +B@ JB@A-?@A - +B@ D A @ C--?
9) % 6 - %
;KQP " % O $*0)% _&. ! B@ @,@ +C , + A @
B->,D E@ +C @@U,G2 @ B , + A. UV>+ +@@A ? A>+@ 2 AD
+B@G B->,D E@ J@C @ @C@D A -C ?-A+B 4KKQ / : ,
$ $)% . %R% +@C +B@ +B CD ? .@ + A @2 +B@
J + @A+ @ @D B A. +B@ @ ? B J D>C A. @ @C , B->C
% 1 0 &
! @ ' 4 @)++,@ 5* '- % 6 %
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* #) * % % &)) L * '6*
I % %-& - - * "
@ (C! ' " ((($ ($]]& B@ !@ A@++,@ 8
B - ,,@D4 4Q=Q < ' !($ (O+ ?-A. B B B@
C@ U-A +B@ @) AD @ A@++,@ c <b : &10
' (' - 0 ;<Q B@ @ E@,-A. +- B + C@ >,. C,G
,,@D +B@ *@,,G B -C @ A@++,@ ;KMO) $ ' ' !
6 !(S 8@D O(OL< ,@JB @2 -C !@ @++,@
) % % 7 1 0
6* # % %
% 7 **!0 $0

! @ A G ? J B
: " 0 AG?JB F (1 10 ,(>JJ- @D +-
AB E + +B@ @ @C@ D
\^ ^ 0 <b< B@!@ AG?JE@ -ADC@D
>AD@C @ +B@ +- A@ AD .C- @ +- @@ SM-S ^ @@
O / * SMS- - *0; =NO !@ ?JE B->C,G

C A.'B 'UA@,,' ;QSN 7 'T ' $ '<& ' & 'SSS S'
8;QOO(;MM B@ !@ ' G?JB @C@ A .C@ + >?E@C ' ,,'D
@C@ D@ ' SKS' 0 & % ! ' ;;; 'SS " 2 " CU B@ C
B@ A-+ +B@ @ AG?JB J@ U ^-C .'! , ' ' ' !@ ' #U@ -C
BC @U ;KQ4 . 3 " 0 C& - ' =< #' + ,G2 ?-+,@
-'A + -A U@ B@C- A C @ AG?JB EC--D2 7B-'+>CA
AD C@AD +B@ C ?-+B@C

/ ' 9 %6 6 % -'C &, ! $ $' 0
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0 <"3 @ % F D) ,)'-$ '$0] 5*
L %),)' ,)!&)0 * % L
- % % 6 0 - %"L% 6
\ LG 1$! $,S'!"8NA) ,)'-$ ')0 !@
#U@2 -C 7C U@2 ;P<K !) '?$ $
P<K B@C@ , @ +B@ !@ V# U ^-C .'! ' !@ ' #U@ -C
,++,@ B@,, SM 7 # $ - ! @ ' #U@ -C
7C U@ 4QNN % $ 0 0 $,0 @+) <0 A -?@
- +B@ , ' -C !@ # U B @ -E @C D C -> % J >,@
?J,@+@D +B J@,,> D @,G ;Q<M ^ @@ 8 4KOO
ON <&&) " 0 8@D L(LPK B@ E E>,->?C A@
J, A+ B B2 A @ E@@A JJ,@D +- +B@ +C>?-> +>?->C A
+B@ -C? - @J +B@CA 2 @ C U=%),) ,)!&)H @
+ A. =$! $ - $ +(AD @ - U4) ,) - $ +(
W $ 10 " 6 % -- %
2)!$ $*) - !$0
;QP= : ' A C !0 $ 0 4 MLO B ' J@ @
B @),'D +B@ @ - U -C ,,A@2 C-? + E@ A) ?- + C@Y
I>@A+,G ->AD DB@C A. +- +B@ , C.@ + J@ @ - +B@
D) ,) -$) (SK-O + ! 2 '0 ? & 0 %% %<
=KO B@!@ # U !@C+>, C SKK ! $ 0 1
O<N B@ !@ # U %-C ,,A@ ' ' --??-A@S ?J,@
7%J AJ%M L L * $ # %&6
2"0* 6 9 # - 6 %
cMM&$ = 7B A?),,!), 8 " + 3 !!'%-??(
=PM #>+ - +B@ @^.@A+,@?@Aa +B@ 9 A. A+@AD G +-
B-- @ B @ @C % R C &,!$-0 ON 3 G A &) 0
<$0 -'===N S A @ AG 7 CC A+ !@ # @C E@,-A.Y
A.+- AG !B J- 7) E@ E @A+ c <<G$ && C$ & '
$)0 ! G A. B B +B@. ,, A+ @ , @C I > ++@D +B@@
& C -A .@ SKM-< & ' 1) !0 0 ;O<
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"J 6 % 9 % * * % * * " *
M %* I 6 6 " " -$ $ %!) 0
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!00 / % 'V ' & =N) $ $ $(+B@ !@ #++@C2
D @C@+B C-?'+B@ AD #++@C2 -C + E ..@C2 AD +B@
& ,@- + '+5>CC C->.B@C 4QQO K= &&.> &"0 8;Q<N(
;QLK !@ -++@C C@ ?JB E-> SKSK &1 & "SSS 2
C.@,@ +B@CA J-> B2 ? D@ - +B@ U A - +B@ @ -++@C
% <M 7 Q 3 7 & $ $;Q) >?E@C - A-@ --A
?@- 2 EC A. A. @ -++@C U A+- @,, N & $!!
, 0), 0 0 Q= ; B@ >C - +B@ @ -++@C +B U2 -+2
AD --,,G
%H 6) * - %) L
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% L * 6* % % # % % % " %
;KMM $ 0 ?&E
< L -
: 5* - " * ",!&*) '!) - *) 0
SM-S K , "$ 55 4 %M_ K # 9*$. ; E
S ? 0 N_R$
; 5*
%] 2 %&) ! 0 OL= B@ J> A =$!,$
$, ,$+ B B ? G E@ ,,@D +B@ @ - ,2 C-? + S+C Y
-CD A CG B@ D AD @,--U
" Q 1 0
: 5* $ A * M
SM-- : P *F +C & > % ,$ S LLP B@ C@ +>C@ +B@C@ A
^A +B@ ,@a -A+ A@D C@ @S @@D A. +C A.@2 A ?@,G
@ B-C @ 2 @ -S@A2 C- -D ,@ ^@+ 2a 1 0 L== B@ @
-S@ E@ A. ->@C@D +B A+-C@ U AA@ B J@D
A ,C@ J@ + , U@ A+- +B@ , AD -S@ >@+B + A E+.A@ +
@S @@D@+B A-+ , @- S@ ?-A@+B -,D@ , @G 8 $
&) %0 ? $ LOK !-?@ C @ A ,B? -?@+?@
!@ E-C @2 AD -?@+?@ !@ -S@ SMM-5 + 9 +C
?!$, $ 0 #8# B>ADC@D ,@JB A+ 2 J C -A'D
+B +B@ U A - !@ -S@A 1 ((c[? E@ C@ E-
AD I> @C2 + B- C+ -CD2 AD - + !@ -S@ ;GL;
, +C ?) B%& 8@D L(OQK
; 5* L -% %
)OMOL B C! - $ MOM @@C@ +- @ ->AD , AD
A =Q D@. .C@ +U ,, A. -+B@ 3 -C @ -C!@ -S@
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: 5*
OMM= B $ $!0 $ 8;MMP(< !@ & CC@+ -C
%-JJ@CA- ,@ - C@@A, AD OM<= OKMP^ @@ 10 L a
N$ 3) J *
: R F) 0 $ 1 " !0 & B@C@ C@ , - A
+B@ @ & C+ @C+ A 5 B@ ,@D , U@ % CJ2 E>+ + -
-,->C C .C@@A + & CC-+2 B@A @+B@G C@ EG -?@
,,@D !@ & CC-+ N_RW N <^ @@ 10 L Ea
" > IY> 1 9 -& *) '
C ' ,E)!$ % -&C '$!)! 0
;QML : A C !0 $ @]NR B A ? ,
@,,UA- A +- +B@ A @A+ EG +B@ A ?@ - +B@ !@ &@A
OQMK) !! A 0 8;QM<(4
;KK O 7@ A B CD,G E>G J, +@ - BC ?J ^ + $ -D@
: A@ C-a2 +B->+ AD A. D-X@A - G->C C $)!$ 3
%1 - (-C U DA@G B J@D @ J@A2 ?-A. +B@? OK=N 5 / '
$! 0 ;NO B@ ADG E@ B- +B@ E G
+C@ A +B J-A.@ 2 @ J@A @+ a ;KQ< & 9 7
- 0 % P<; B@ @ J@A =C & * &) +0
OKKL % 5 .) A $ * 0 : A %]ON B@ @
J@A C@ C@? CU E,@ -C +B@C JB- JB-C@ @A @
" *
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;MLL ^ @@ # Ea OMQ # 2 3) 0
$ OM " ,, E>+ -C !@ &B@ A+ OQLQ A 7 7 ,U@C
?$ &0 ,, & 8;KKQ(;M; >CE -+2 C C@I>@ +@D -C B
B +@ AD ?@,- ,@ B2 @ JB@ A+ - +@A A ?@D
; 5* - 2&." $%!$ $,) $H - * -)P
- 6 $! $!$, $! 0

$ OMQ 7 6 "0 - 0 8;MQM(OK< $,$ $,) $000
!@ &B@ A+ B@ %C U@C OMQ=2 OKLQ 8 @@ #Ea
SK) 2 %&) !0 O)M B@ J A+ , D> U
C-? + J,>? .@ A B@ B J@ - + + ,,@D +B@
@ JB@ A+ SK P . U & 0 &&. " 8@D O(
OKP -C- +B@ J A+ ,2 -C @ JB@ A+ OK<L A %-X@A
" CDG ? &$ & %0 =Q -A.+ ,@D / > U
1 % % V 2 1 6 % *
& %"6 6* % -$&*) & $!) 0 9-
0 % % - %) K 203
OP ,0 C>, !0 =N A $- 0 8;KPL(,,2 & D
A C@ CD@ +- 3C @ @++ @C >A+@ -C EC A. A.- @
J@ 2 c$ $? 6?Nbb ! + , A $.!) " > &"0 8;P<<(:
OQ< A +B J ,@ ->AD J,@A+G -G->A. ->,@2 >,@ 2
!@ J@ 2 AD -+B@C ;X : 9 C! $ @ ? $,(
8;MLP(LQ B@ !@ J@ ' .C@ +D@ ->C@C- ,, -C+ - 5 B
;GIG : " & % & 0 7 U ;QPN : ;OQ B@ !@
&G @ D + -A @ +- CE,@ %] && 8;Q<N(
;LOL ?-A. +B@ C- U C@ ->AD E, U @ J@ 2 +B C@D
E ,, ;G @ $! " , -2 $3* (
+@C - ,2 - D CU EC- A -,->C2 +B C@D B@ D2 AD
+B@ A@ U AD A. B +@ ' T ! $?$10
;=N ;B@ @ J@ +B +B@ C C@D E ,, AD ,2 @ , @ +- AD
C- C-? B-C@ +- B-C@ GE + 9 C 0)! S ;=; - +
@ @A ' ,,-C @ J@G C- @D +B@ ?--C, AD
$ %0 ; @G F 99 \ O & 20 & ' O NE2
- E,@ E-++,@ B + ,>++@C G-> -^2a !@ JG@ (
-$0 -+ + + B BZ C
" % 10] 9 *
#) -) * % L * 6% '
% - &% L 6% * %
L* 6* L % *% 6 % & *
$!& & 31.0 012
N_bN %% , 0 $ 0 & % $ MM B@G B-+ @ @C ,D
5- ,2 -?@- B B+B@G C- +@D2 J>++ A. +B@ C@ + A+- B +
@ ,, & G@ ;G) 0 $)(2 -E ->2
@ J@ 2 AD -+B@C D@, @ - A ,D@ C J+ -A (M
%> 55 &,. $! <!& 0 $* (J @ J-+ +-@ AD ,@ B
E U@D A J A - @C +B@ C@ N &=
% ,$ OOQ 6 A. + , - A +B@ JC@J C + -A - -C+ - @ 0
J @ +B@G ^+B@ A + @ a ? U@ +B ? @ + AD ,B
$ %0 OK=Q A $ > $ 0 : A ;LL &
+-C ,,G $2 0 && - $*0 ?&& $ " @ J@2 ? D@
>J - C J +B + B @ E@@A @C @D + ? AG + E,@ E@ -C@
<" 6 - Y 2 4 9 6 % % P
) 6
OM) 3 $ " --:>,G2 J @ @ C@JC@ @A+ A. ! C 52
/C U@ +-A A +B@ G@ C ;PKN2 A @S @,,@A+ @ J @
NM N < 8)) - e LQK !@ & @ @2 -A + A.
B-,,G- A G'D bU2 - @ @C ,%-,->C 2 A !+-A@ OQSK
)) * ,0 - =K< = C@ + & A+@C @CG -+@A
@?J,-G +B@ C &@A , >J-A !@ & @ @2 N & 6 +C
&!1 > $ 0 8@D O(S =ON "@B J A+@D ?--A
,.B+ @ J@) N&< 7 * C $!! #2 - @
J @ @ EG 3 > A - >JG -A D@C E,@ J @

F 9) # - 6 --& # % % % * *
% 6 " # &!) - 1$! $(* - 6) --
E $ < "!! (*)% & L $) ,$ - 0
SMbV : A - 0 NN + ;P; B@
@- ,@ C@ ,> ,@ 2 @ J .@-A OMM= B $ 0
$ 8;MMP(< !@ & D.@-A - C@@A , AD OQ) +C
< $ < !$: K= B@ @ JD.@-A , U@ +B@ , - U
A ,?- + @ @CG +B A.2@S @J+ + E@@A .@ OKS< 1
A $2 > < 0 N&& 0 4 OL !@ J .@-A = &!) - ! & $T
! + 1 0 O= + - >C A E>AD A @ A @ > A@ AD
EG +B@ A + @ - +B@ , + A.> B@D EC +B@
A ?@- +B@ !@ & .@-A OKMO B A C &,0 C !$ (
$ 0 OPM B@G ^0 , > ,,@?-+ a C@ >A @C ,,G UA- A
+-+B@A + @ AD , B@C?@A ^ EC D-Ca ! @ J .@-A
OKQN < . +C) * ! ? OKP B@
C@G 9 ++ U@ = $) ,$) + - +@A ,,@D +B@ !@
& .@-A N b 8 C & 0 $- ? ;MK $- U
/ - @ = $!) - 1$! $+00(!@ J .@-A 8 C@, AD(
; %0 (9- %))% " -")
N b > 5 ($! - 0 % %M& #A@ - +B@
@ ,>. 2 .C@ + .C@@A C@ +>C@2 -??-A,G UA- A -A +B@
^5,-CD (C@@ +B@ @ J.@-A
% $ Y ; I IV J # % * *
=$) % * ? !& ')! $ H & *
* -& * " (*) * " 3
- $0 4* * * !), ')! $ 0 = *
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&*&-) ') - $! A W 0
(M ( )C! " SSS) Q B@ J U@ >J>
NMNN 7 !C ,&- (+B@ &U@2 -C !J+ B (MM
- & -$;LM * " $-$) $) (+B@
!@ & U@2 -C !J ++ 5 B N_M& ? 0 N&&!0 OQ=
B@ -??-A @ J U@2 -C @ A@@D,@2 -?@+?@ C- +-+B@
,@A.+B +B@C@ @+2 -C ?-A N]R) C -0V 0
O<= * $(+B@ & U@2 +B@ B B E@@A -A ->AD@D
+B@+B@ &5 -C C>@ & U@2 (M 0
8@D L(2 ?!!% (=? !&) % $$+ ? ,, @ B ,-
,,@D !@ JU@ N R] 5 ? - 0 $LN; 0
!),,))! $ 0(B U@2 -C @ JU@ O) =
) $! !0($3C. (B 7@ !->+B 7 ,@ 2
$ & ,$ - & $5 >A+B 2 - +B@ @ ?G 2 * " $ $ 0
$ @I:XY$$ 4 9 %
N_R !$ S ;N< " @ E-C@ @ J U@+ - AD
+ @A+G >E + ,-A.
"
%$ 1% #0
B $ - 1 !0 !>JJ, 0H(C (P B@ ,D @ J A@
M B@ D? A @ J A@ N]b 8 7 ! - 0 "
$!" O<; B@ , + @ J A@ C-> B@
; 9 % "6 - % L C 1(
5"9$ O (!& $!,$]R),) 00 ,)) (0(
E, U / -C !@ & A@ ;GGG / ? 0 !& $ <%
),) ,h) 0(?HS&&.'7 C U !@ & A@
$ Y 10] $ B@ J, A+ BC +2
- $ -$ - $0 $) - * 0 0
OQLO = < $ 0 0($, >(BC + -C !@ & AU
! " @+ ^ @@ (; E* ;KPN . 7 C& - (
; ;

? %& '? $. (*2' - '+B@' , ' JC@ D ' + ' B@@C >,' D-CA A.'
'? ,+@D' @ ? AU' >AD@C' --+ ' LG'eQ ' / '' ! 6'
' ' 'MK 5, A. A.'B ? @, '-A' +B@' @ J AU

$' ' 9' - ')% L)' '

* ' ' %' ' -"L %' ' % ' %' % ' -

%M % < 8')) - ' 'e' ' ' O=Q' B@ @2' AD' -+B@C' !@ '
&, A+ ' B@C@ +@C' D@ C E'D' ;QM=' ' ' 0' 0' ' ;N' ' @ '
J, A+' B B' +B@G' E- ,' A' @ ,' ' +' MR' O ' % ' ' '
$' ' ;K=' B@G' ^ @ B C@ a' AB E +' +B@' C- U ' -A' +B@' - +2'
AD' C ,' E->+' -A' +B@' @ J, A+
" '# % ' ' *$, ' ' ! '

$' ' $5* ' - *' '&)' L* - ' '

* ' L %' ' - ' ' 6 - H' & *' $!& '

& 31.0' 012 ' ' &,$!' E 0 0' 'K'

% b' ' $ 0' ' 8 KKK(' ' PK' - $ $,) B "' '
.@A> ' ^- ' - ? J->AD' D A a' - ? ? -A' -A' ->C' - + 2' -C? '
, C.@' -,-A @ ' B@' .@A@C ,' -,-C' ' ?> B', U@' +B +' - 'E- ,@D'
,+' J-CU22' AD' +B@' B@C?@A ,,' +B@?' @ J-CU

BJ ' 9' !

' ' ' ' D' ' 1 ' ' 2' ' ' '

! $ C'J '-@:' ' ' N'

[illegible]

[illegible]

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P<O 9 ' &-0 6)!(' >' K B@ !@ C B@C ' - ' +B@ - A@ !> J@ + A.' +B + @ E-+B @C@ A ' B-> @ 7 B@C@ +B@ A @ + -> ' J@ + ,@A @ D D C .A@ ' < @G : ' 0 0 ' B@A ,, ? U@ A @AD@ H ((JC@+@AD ' + - ' D @a 22 ' B >@ AD@A+@D +B ' - >J ,@ - @ C B@C 2 B- B ,, G +B@ ? ' ->+ ' +B %B ? E@C +B C@J-C+ - ' UA@ @2 AD -' , 2 ' + C+ J2 AD C@ ->@C .@A ' %M(M$ ' % ' - ! ' 8;KQ;(;0;' 9A- @2 A ? G C .@ ' B @ , A@ ' ? A +B 'D G2 AD UA- @ A-+ B@C@ B ' E-DG +-' -A @ .B AD B D@ + C-?' +B@ @ C B@C ' A I> + -A ' ;MLP)' > ' H? 0 $ 0 8;KLL(' ;=Q + ? ' J D -C O C@DD AD ' -C +B@ @ C B@C ' A +B@ G UA@ ' +G ? @ RR RR N= ' (MM= : ' ' ! ' 0 ? !! ' & $! "' ' 7 B@A AG -A@ D @ ' +B@ ! @ C B@C 2 8 B- ' C@ A+ @A+ 3 +C-A 2 -CA + -' +B@ C # @(C@J C + -' +B@ J, @ B@C@ +B@ D@ D %-CJ ' , @ 2 AD '@S ? A@ EG B + / @ @ -C % > ,+G +B@ %-CJ 'D @D ' %_b& &!!0 ? !! '& % & $! "' &C@ ' Q @CG J C B JJ- A+ ' " @ C B@C2 B- @ E> A@ ' + ' +-' @S ? A@ +B@ -CJ @2 AD +-' C@J-C+ +B@ D +@ ? J@C

' 9 ' 6 - ' %6* ' * ' 6- *)' % ' ' & ' %% ' ' & * ' -6

8G; ' M ' <) !! ' 2 2 ' U@J+ ' ' & C - ' ! J@ + ,@ ' A ' JC ' +@ &- U@+2 B B 'B D @ J@D +B@ ? J@C-C ' ! @ C B@C ' % b ' 88 -E ' 0 $ % ! @ C B@C2 ' -? A B- @S ? A@ ' @? ,@ JC -A@C ' + ' J- , @ + + -A ' ;KML - ' ;8 > . ' < M B@ @? ,@ @ C B@C + +B@ 9@AA A.+-AD A@ J-, @ + + -A ;K<N 3 ' O " ' $ ' &%$ ' % ' LK B@ @ C B@C ' A@S+ ? @ >J-A B@C B ADU@C B @ 0 ' K '

S&& ' $ 2 ' - ' 4 4 4 ' ;PO ; # ' , @ C B@) ' B->,D E@ JJ- A+@D B- @ D>+G + B->,D ' + - ' @ C B +B@ C@. +@C - ' B C.@

' 9 ': %' ' ' ' ' ') ' %6* ') 0L 9 % ' % '

> "! ' ' 3 ' +C2 <) !! - $) ' 0 ' 0 ;O L CG +B@ +B UA@ ' - ' +B@ E-A@ +B ' , ++,@ JC @++@ -C @ C B@C SKL+ =- ' ' ! ' 0) (A ' 8@D ' O(MPN +@C , ? - +@ @CG -J@C + -A -C +-A@2 ' @ C B@C ' > @ > , + - ' @C+ A B@+B@C -C A -+ ' ' ^ C . ? @A+ a B @ E@@A C@? - @D2

!$ $ "(' K '

K P - ' ? ' ' &!0 ' 0 ' = PO ! @ C B@C2 - ' CC @C ' 8 A A +C> ? @A+ -C@S ? A A.' +B@ B-C @ ' ' B-- (' ;KQL $! T ' (- ' 8@D ' =(' ' ' K ' ' 1 0 $ j (>! ! ' - ' $ " > ' ' ! OP , - ' ' ? ! C A@ @ C B@C 8- ' ? G - A -A+C A@(E@ A.' A C-A2 -? @ B +,U@ ' ->AD A.' ,@ D2 E>+ +B ' B CJ C ..@D J U@

' ; < 9 ' %' ' % ') * ' ' 6 ' % 6* %) 0 <a , * ' 1T

5Z & $ $! & ' 0 ' P= 3 >XX,@ +B@ @ C B@C2 AD C ? ' ' B- ? @ A +B@ .>A ' ;KP< 5 ' ' ! 0 $ ' 0 8;KMO(PP B@G C@ '@S ? A) ' +B ' @ C B@C +@C @ B C->AD

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@ C B, .B + - ' ' + - ' E@ E, @ C- ? ' AG +C@@+ AD + - ' > @ D A. @C + - ' +B@C@ A B 0 ;K<O : ' # ' 3! ' $ " ' 4<P 9 A., U@ A B ' B +-CG C@ @ , 2 +B +B@ @ C B, .B + - ') D@+@ + @2 +B@ @ C@+ BC-A ,@ ' - +B@ ,G @@ ' %&R] ! ' ' 8 ! ' % & ! $ ' S, OL= B +>CA@D -A -?@ ? CC .@- ' ' ' *> + @ +B@ @ C B, .B + - ' +C+B

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6- L D' * 6 ' ' 0 ' 0 ')*&'0 1T

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! ' -' ?JC@.A +@Z +-' -J>, +@' +B' 0 $ 0

! '8 C X'A E',(Z $0 ^ ' ' AD

10 i' 0 a

' &C@-D ,Z C@ >CC@A+' ' ?-C@ -C' ,@ ' C@.>, C'

' ! 8 X'A ,(Z $ T ^ ' JC@ ' i' 4'

8 CX'AD(Z **!0' $0 ^ ' '@'

ON; a

'!@ -A E,@Z -JJ-C+>A@Z > + E,@' 1 0 $ 0

/ ' 5, ->C@DZ J @D

= ; $ > ! ' 3 ' D 2/

3 2$ 1 0 $ 0

' ! ') QA ! ?.$) $ $T'

-+ $L G! ' " 2 ! ' ! D'

'5' ' ' 1 $

! 2) A ! ./$ 0 K$

$0 H OF +$L ' ' D' ' D'

$

9 $' K$ '2'1* .' G '

' D ' 1 ' 3 ' $

' 8 X'A ,(Z 1'1)%' 56' ' 'Y<'

H 'O$L ' $' $ B0

:$ P

'2 / ' ' ' ' $ $

$ &'$!' -& * - ' ' C + -A' A' +B@' JJ@ C A @' -' D, @C@A' EC- -D ' -' +B@' ?@' A @ -CD A.' +-' +B@' +?@'

D>@' +- +B@' @ -A' -' +B@' G@ C @' B ,' ,,Z @ -A ,'

E ' $' 0 &@C+ A A.' +-' +B@' @ -A' -C' J@C -D' ' - 'B>? A', @

/ ' # ' @C+ A' +C D@ ' ' /@J@AD@A+' -A' +B@' @ -A ' # ' -CU@C Z @C A+ ' ?J,-G@D' -C' @A. .@D' -A,G'

D>C A.' 'J C+ >, C' @ -A

L ' &@C -D ,Z C@ >CC@A+' ' ?-C@' -C' ,@ ' C@.>, C'

A+@C

0 ' 10 ' J@C -D ,' >@D' +' @C+ A' @ -A' -'

+B@' G@ C

2' 8 X'A ,(Z $ T ^ ' JC@ ' i' 4'

/ ' 5, ->C@DZ J @D

S 0' C 5 ++@D' -C' > @Z ? +>C@DZ EC->.B+' +-' ' + +@' -'

J@C @ + -A' # ' + ?E@C' / C @D' AD' B CD@A@D' EG'

9@@J A.

E ' % T' AD' A' .>C + @' -A+@S+

3' # ' J@C -A' -C' A ? , ' 5-C+ @D' EG' B E +' , ? + X@D' ? , C X@D' +B' ' @C+ A' ? -D@' - '

1Z ?E ,?@D' , -% 0' 1 0

9 $ 1 03'3' ^ ' JC@ 'H' V'

! - A @ C'8 X'A X(' ^ ' '3 'N' QV' #A@ B-Z -C' - ?@+B A.' B B' @ -A 2

! :

: : #A@ B- @ -A AD 0
$/0 - . ! &' & @ -A@C2 --U@2 6 ? JC@C2
-? +@C ;MLK $, 0 * E2 1@+ E@B-,D B@
!@ -A@C B@ + A.2 -C +B 0 A C@ &C@J C A. +6" - @A
+B@ % @ C@ I > C@ ;M=Q ' L ! @ -A@C2 ' $)
&% ,&'% 1 "

; ! - ? @+B A. +B + @C @ +- @ -A $ /
;M<L : B ?) ' > 0 $ H(ML ! ,+ . --D
!@ -A@C ;KN - 0 L;M 3 >C + - !-D
B E@@A A -??-A > @ @ -A@C - --D C- ? +B@
@ C, @ + .@
% 0 $%A+ -) ' $ 8;K=L(MM " + -A C@ +B@
@ -A@C - B J@@ B@ 2 B JC- @ -A - B + -A

^ -A. > B >A. EG ,-C

;MP< $ " ! - &' " ' (5=2 $ > 0" B@ !@ !-A.
H%&!!&2 H0 ;KOL = ! H % * / ED A' #C . A , !@ !-A.
;KP< ! $' (&) $) ' ; ;(;
@ -A. A ? A@ @ C # +B@ EC-AX@A E> A @C ;KKL
) $ 0 0 2 B@A EC@ U A. ->+ A+- +B + -,D
@ -A. +B + B@ A. - - +@A +@C CD

8 X'A I (2 1!0 10 ^ : a

:$ G 3 !

+ $ B@ + -C + ? @ - ? JC@.A + -A 1 0

5\HH 0 ,,0 0 6& ' > & *0" $ E 10" 00" =A[' "2 `
- * - G *D -E ;PLK . , 0 - ' $ +B@ +@
-C +G ? @ B A E@ +@ D-+B +B@ C U AD@ A .@A@C + -A !@ Y
-A A. ;MN; ' ..) C! ' " S SS =Q; B + ?@2
->C C> + ,, J@ A+ ,, +B@ !@ -A A.2 B@A " +>C@
A +B@ C>+ AD >C -> C .@ - ,- @

E B@ ?J C+ A. - , ->C +- D B

) SM- $ # V ' 0 & - - 2 0 8;MNL(;LM B@ A-E , +G
@CG . ,, A+22 J@AD A. ? -C@ +B@A +B@ C C@>@A>@ A D @+
AD JJ C@,a2 AD +B@ @ -A A. - +B@ C ?@ +@ $>JA
B ! - ' ( )! 8 OMN @.@+ E,@ > @D
,, !@ -A A.2 BG ?@2 ! -CG $>0+ B 0 (
7 U ;KNK OM; - + ?>, +@ +B@ C AA E , JJ@+ +@ EG
C @+G AD @ -A A.

N B@ ? +>C A. - --D EG DCG A.2 @+ , -2

+@ ? J@C A.2 B CD@A A. 8- ? @+ , (

;M=; $ - (?. 0 8!>C+@@ (;;O 5 CC@ D@ ,@ C@ Y
->A+@D E@++@C -C E-CD@A + .@ +B +B@A - U@ +B + E +B A-+
B D + ? @ -C @ -A A.@ ;QLN 3 $ ' 0 1 (A
C !0 $' (4 4 4 LLN2 ? . A@ + ?> + E@ - ,A) +-
-?@ / @C@A @ A @ -A A.2 + E@ A. ,? - + ?J- E,@
+- ? U@ E-+B AD @ I > ,,G B CD ;KP< B A 6 '!0
< & 0 &,0 4 4 4 ;LM B@ C +@C , - C ->C +@ J, @
-C ? ,, C+ ,@ +B + C@ I > C@ @ -A A.

D B@ JC- @ EG B B J@C -A E@ -? @

B CD@A@D -C A>C@D +- +C A.@ , ? +@2 , ? Y
+ X + -A

;KSO ( ) 7 2 &) $'$ 8;K;=(X +
JC@ , A. A-+ -A2 +B + +- E@ U +B@ C + >??@C2 B +
@ @CG @++,@C ?> + @SJ@ + A -?@ J C+ - +B@ +@C +-CG
+B @ -A A. @ @C@,G J D +SKP< = B. % 0
' 0 SS S OO< B ? @C@,G +B@ @ -A A. B B
J@-J,@ B- J @D C- ? -A@ ->A+CG +- A-+B@C ?> + @SJ@ +
;K<Q $!" 2 LN 3 C M P A.,- ! S-A B- B @ E D
A- +C- J , @ -A A.

" @A @2 A ++ U2 ? -C@ -C ,@ @ @C@2 - .>@

-C -? @ U ADC@D D @ @ > @C@D EG +B- @ B- + U@

>J +B@ C E-D@ -C +B@ C + + ? @ A +C-J ,D +C +

$%>+ , 0 2 & . 8;K=P(;K B@ %, ? +@
B +B > B A A +G +B +B + - A., AD2 +B +2 +B@ A ?@
- @ -A A. E +B A@ @C +B@C@ E@@A UA- A O>>& 9 .
. 0 m;KQO(4 MQ E->+ ->C+B J C+ ? -C@ ^- +B@ , @ (
D @ + +B@ D @C@A+ , AD 2 A B + ,,@D +B@ @ -A A.
;KOO =< <&&) " 0 m@D L(;QM + ? -C@ -??-A
A ?@2 B- @ @C2 A +B@ JC@ @A+ D G G@,,- @ @C AD
B@A +B@ ++ U >J-A A@ -? @C , .B+2 $ &' ' (
% 0 $%&$ ') 8 ?) ' SSS << " D@ C@ AD @AD@ Y
->C 2 -C +B@ @ -A A. - -+B@C 2 E-+B J@C -A AD ? , @ 2
+B +B@ ,+ - +C>@ C@, . -A ;<;N A0 0 : A OOL B@
E@ + - +B A. C@ +B@ E@++@C -C, E@C , @ -A A. - , >.B+@C

i C A A.2 D J, A@ 1 0

$%&O # 8 ! < 0 5 - *0 ; / LK + -A @CA +B@
& C@A+ C@2 A -CD@C +- @C+>-> AD + -> , @ - +B@
B ,D@2 +- @ >C@ + C + @ -A A.

; ,&' , 0 ! - ? @+B A. DD@D +- D B B B . @
+ D + A + @ -C JJ@+ X A. , ->C

$/ + ' ..) $ 0 0 &' ($ &' ' - ' (
@ -A A. $%0J),(e ; = ;L #>C & , +@ , U@ +B@
!@ -A A. AD %--U@CG +B@G C@ @+ +- $>%0 = 66 .)
' 0 &) . * 0 8;QQK(=Q $ >E +B@ ? @,, +B G->C @ -AY
A. $ J> C , .5 0 SSS 2 @ @ -A A -C) .@ 2
+C-> @C E>++-A 2 3 ? 2 S) X ' B. +C &) 'F $'F
&' " 4QP + A@ @ CG +- JC@J C@ +B@ ? ^ A , a +B
+C-A. @ -A A.] +B J,@A+G - E ? 2 A B- @ ^@+ a
% 0 ;KS< 6 $ & , 2 " ->C +@ ,- A B- @
*@ + 2 @C @D -C -C+ - @ -A A. +- B @ @A A. ?@ ,

$ 10 AD & - 12 @ -A A. D @ @2

+ D +@ ? J@C2 @ @C ff @A @ @ @ -A A. C-- ? 2

+-C@ C-- ? B@C@ +-E - U@J+ >A+ , ? +>C@D

L A ' !0 ' , " ,!0 4 O<L ; ,,) @ -A A. D @ @ C@
- +B@ A , ? ? +-CG U AD ;QN; 9 .. 6 - !0 ' &
8 KMN(OP + D-@ A-+ @, -? @ + >@ + AD ! +C A.@C +B
+B@ @ -A A. D +@ ? J@C - 5@ @C AD 5,>S@ ;KS= 7
8 0 C &*$ 0 0 8;KOL(MOQ " @ ++ U@D EG
B d @ -A A. @ @C ;K<N C !! $!! <$O0 P > . O ;2
-,,- @D +B@ +-E - C- ? + CC , A +B@ E ,@2 +BC->.B
+B@ d @ -A A. C-- ? 2 +- +B@ @++ A. AD -C+ A. +>E

8 X A) (2 * * !0 $0 ^

O a B + @ -A 2 +B + DD , ->C -C C@, B

: ' 8) C & 0 %% * 0 8;KMQ(;KL - @ -AGA.
*%9#>C2 A @ -A + @,, ;M)) 0 < & (
M;P !J C A.,G +B@G +@@J ^ B@@ @(7 +B @ A A. ! ,+2 AD
+-C'D2 -C 7 A+@C U@@J OQ) 9 . 6 '!0 7 U 8;QQP(
;OP B@ -CD J,@ @D +- ->C > +B +B@ !@ -A A.
C+>@ - C>+B

- (.=7 4-==+ $0 40 10 ? (!

U A. , ->C2 + +@,@ 2 A J D 1 0 $ > 0

> " : 9 " $ 0 0 < ') ! / @D +- C,
! ->+B ? J+-A2 AD B@A +B@ +>EE- ? @ +C-U@ - ? G B C B
-A. !B ,, @ -A,@ @ ., D@ +BC->.B , ? .B+ @ @ C@ 2 -> B
@ +- @@+ + +B +BG E,@ @D +-A.

/ " A. -C UA- +) A- B A.@ - @ -A
;K;M $. ' 5 B@ -C,D - D2 !@ JA,@ 2
B@CE,@ 22 , @,@ ;K<P B A ?! ,. 2 0 $ 0 JC
PS< B@A - @C +B@ @ -A,@ @ B@ ^+B@ > U--a ?@

/ -E -C? - UB

$

A ?@ -C C -A ? C A@ J D@C , U@ C@ Y

+>C@ $ J D@C C E -C ? - D

SMMM # 3 ($ 11" ! ;ON B@ !@ !J D@C
EG -?@ -A @ D +- E@ U AD - %C E ;M<= +C $ 'T
&"0 * 0 'H5 ,0 0 0 $ &*0 F$%O&D . ; ;L B@
%C B +B->+ ,2 -C !@ !J D@C ;QPO 9 A
C !0 $' 0 4 =MP 7 @ -E @C @ .C@ + C @+G A +B@
-J@C + -A - A +>C@ +B@ + E2 +B@ >++,@ B2 AD +B@ @
J D@C ;KML 9) !! 0 $ 0 0 PP< #A ->A+
- +B .C@ + ,@A.+B - , ?E AD ? ,, X@ - E-DG2 +B@ @
C E * &*&] C@ - +@A ,,@D !@ !J D@C

E ? C A@ C+BC-J-D - +B@ .C->J C* '& &3

' $(JG A-.-A D

SK % ! 1 8;KQK(KJ ++,@ E,) U @ J D@C2
G ? JB-A2 B- B +B J@ >, C +G2 +B + J- @ A. A#
E-DG + ,, +- J@ U - 2 B@ CC @ B A@@D >, +- ? B A,-A.
EC A B@ 2 J U@D A D@ B @. ;<N< $
8 ' $, , OMM "@C@ @ C + . -+ +B@ ,-A. ,@..@D
@ J D@C C" , '& &' $+(

A - +-J> -C -+B@C ? @ ? E@C - +B@ ? ,G

,!&*& 0

;KPK) " ,!($ 0 0(, &*& $ (!@ !J D@C B@
-??-A @ J D@C2 H, &*) H)1 , '!$) 0 S! J)! #
) ! @+) 0 $ 0 0 8;KMK(L; ;

+O B2 f C B 3 3 ! ") 7 (G3

;) O : - 2 ' 0 $ OP !@ / C . -A - !@B
!J D@C2 F> @C

$

i ; @ A@ ? -A@ 1 ($ (

$>J$ =) . V&!1 % $* < 0 &* O;O B@ !@
!J->+ @CG +C A.@ JC-D> + -A - A +>C@ + ,--U , U@
J6$.@ -C ,>?J - ?- 2 +,D + U +- +B@ @ C# U - +
+B + A- E@ + A. - +B@C AD -C @ A ? - @ + QQO
K= &&. &"0 8;Q<N(LOL B@ !@ J->+ - .C@@A
-,->C2 @ ? + +@C2 AD +B A , U@ +->.B J @ @ - ,@ B

; 8!@@ I>-+ (

$ %> $!& > & 31.0($3 *&) (+B@ *@++ A. -
@ +@C - @C +B@ D* @A+ , AD 2 B@A -C @D +BC->.B
J@C -C + -A A C- UG B-C@ E-+B + @.C@ AD A.C@ C@
++@AD@D +B C> ? E, A. A- @2 AD +B@ JC G - +@A
A*>C -> +- +B@ >CC->AD A. @.@+ + -A2

+ !@ JC A. 1 0 JC A. + D@

;KOQ 8 .. &!0 e MP B@ B .B !@ JC A. -
+B@ G@ C@ C@ , G@ A@@C@ >A+- +B@ + -) > A- + 6 AD
!-, + @

/ -E -C? - !

$

+, + + B B .> D@ ? C A@C + @ 1 (

%B @ ,G C@JC ?@D !!$ -$ (+ +,@ . @A +- +B@
C. A 3 +G2 C- ? +B@ @CC-A@-> E@, @ +B + + @SJC@ @D
+B@ @+G ? -,- . ?@ A A. - +B@ "@E A ?@ 3 C +>2 3 CG
%4NPN C) & $ (8 ? AA(K > BGC@A ?) @C@B+
+@-++C ,A O;LO 5-CC B C@ A ?@ + A@JU >
! @ +@-CCA@ -AA AJ., B JI@ B@2 \ B- E@-(V @@ C@2 \ 2
\ W ! @ +@- +A@ AA B , * E WA@ '0 &!!0 & '0
4=;2;M; (* ?.0 ;;O O !@ + C EG B B @ ! ,2
AD . +@ - B@ 'A,G C@ + % (_ = $ E $ &&. (3
& ** 8A@ C @AD(2 7 +B A->.B+ E>+ +B@ @ + C +-
, .B+ >J B@C +- ? E

O + C B ^ C $$ *(E$ = - $ '$+0]

;PM< - , &' 0 $) PN E2 U AD -) B@
,,@D !!$(-C !@ + CC@2 EG > @ + E +B +B@ .>C@ -
J A+@D + CC@ ;P<= (E '%& 0 $ 0 % O2 B@ B@
,,@D !@ + CC@ 2 +B + E>CA@ -J@ A-+B@C EG @S @ >@ B@ +@
SM K 8 CD ") QO 7 BG ? -A. + !@

.C@ + C @+G -) JC U,@ 2 B B B--+ C- ? +B@ ? , U@ C G)
, .B+ ;KPM $: L +C 2$ > $ '(N&&!0 e LK B@
@ + C 2 +B@ E-,-+E>C AD +B@ @ >C B A 2 C@ +GJ@ -
+B ' , 8 , & - $ $W0 S) S 5 1 = 3 &'
8;K<P(SM AD B@C @@+ 7 @C@ ? - + @@+ A.@D , U@ @
+ C 2 C@ +@D EC- A

!@ +C AD 1 0 $, 0 @+! "#O

, S--- H &$ & '0 8 B-CJ@(MK O< O@C E E + A +-
@ +C AD@ , $A+/ <OLP + &-C+ B @ +C@ B@- - ? @A
,-AD \ +@J@A >J @ +C-AD ^NSOQW E) + @@ +C-AD(
, ;LNL A C&!0 &' 8% ? D@A(;KK O@+@C@ B@ ? @C@ + B- ? @
A E>@C@ ,-AD@2 B@A -C +@ @@E@ 5,@ ? ? G B@ EG +B@ @@
+C-AD@ ; = ?) P;P 8 3 ! # 2 B@G C@ GD + E> @@
+C-AD@ $/& . . &'0('0 8;PPN(OK " @ 2 ? @
+- +B@ @ +C-AD@ + / ->@C ;K=< : . +C
$' > ' % 0 SSS LM; " @ >E -A +B@ @ +C AD -C,-CA
O %/ 8 B '$!$; " L; O@+ @@A +B@ @ +C AD
AD +B@ @ KKO .) ? $!!$% ; ;O L B@G -?@ +-
@ +C AD -C -+B@C +@C

!@ +C@ ? (I 0 &3 1 - 0]

A - @ A >CC@A+ *& (+B@ @ 1 0

$ S--- ' $ Q=< 8 C (! U@ @ +C@ ? , ;ONP LOM
" @ @AD@ -CB > , ->@C @ +C@ ?@ A+- C ,-AD@ SSOOP
0 $. 0 < L= V6 +@-C@ + +@ @ +C@ ? & E + @D@A A@
? -+ C E\A E> ? CU@D@ +

/ 8!@@ I>-+(

;KON ! -$!01 ,,(, , 0 OOK +C@ ? A
-E,-A. -,,@ + -A - DC + N E G @2 +B@ J @ @ - B B C@
-A+ A>-> + ,,@D @ +C@ ? 2 B@A + @SJ- @D -A
-A@ D@ +- +B@ - @ A2 AD -CD B@,+@C C- ? +B@ @ 2 +-
B +@ @C +B A + 4KMQ A $!& G & 31.0

!@ 6) 8@2 -E -C? - UB

!@ 6 -

G - . 7 5 ! " ^ +@C 8 & , A G (a

P<K - . ! ,,&!$(@ ,,- 2 -C @ C@ C@ ? -> @
SM-S ' ..) C! ' " S SS O=< B@ @ ! ,,-
6 @+B AD + C@ @ ? -,@+B A ,, J- A+ +B@ E CD - ,,@D
SM S %- $ 2 &' !! (+B@ ,G A. B ,,@D +B@
@ O +2 -C @ ! ,,- B $ $!0 $
499 + ;< .C@ + ,G A.) E -C !@ ! ,,- 4O=N $

&% ' ! ' 0 "62 Q B@ 5,G A. 5 B -C !@
! ,,- @CG -??-A E@+ @@A +B@ C-J ;K==
H50 ' ' , , E A - 0 6 '!0 , 0 4 P< 6 ,G
,-J+@C> - " , A 2 %> 2 !@ ! ,,- 2 -A. , AD ->AD

/ A ?@ -C AG -A@ - B@ +@CA 8 C- ? +B@ C

.@A@C , C@ @ ? E, A @ +- ,,- (2 E B@ +-C ? G

J@+C@,2 C $,&!!$ $ * !$,$0

;M=Q ' L ; JJ 2 !@ ,,- 2 ' N 3 2$ - 0
;MMK . '&-$ 0 <N) & $ '$(+B@ !@
! ,,- $;MQ 9 ..B7 ' (8;MQM(OM< $)
C ,$ & ,DC- B@ ,@ @C !@ ! ,,- 4QL= .
? & KK B@ .C +@C !@ ! ,,- 4KL4 3 #IB ..
' ,0 & 0 " * (S L 8;KLO(=K= B@ '$!& ,$(
#C . GJ+ A @ ,,- 2 S) = 7 .. 3 ? 0 ?
=MN $!$ &' $* !$,$0 B@ %- ? ? -A !+-C ? &@+C@,
!@ ! ,,- 2 ' .. - H B@ @
,,- B-+ - @C B ? +--2 +B + ,- ? ->CA >, CG
B@ +C@J A. -C E@ B@ D@ ?@C

^] / > O 0 &!) 2 (E>+ +B@ @ -AD @,@ ? @A+ C@JC@ @A+ +B@

3 , G A ?@ ,( ) 2 ! 0>

;KNO $! & 0 H!0 LKN !@ ,,- 8 ,,@D E@ B
D@ ? C EG +B@ &-C+>.>@ @2 AD +C@J-A. EG +B@ 3 , G (
4<NL ' , " ,!0 ? 0 4 24 L;N O A ? , - @ -A- ? ,>@
^ A O-CA@-a C@ +B@ @ ,,# 2 B- @ @D E,@ A@ + C@
JC X@D +B@ E@ + A +B@ C B J@, .-

1 $

J-CJ- @ 1 0 @S $!(

;L<K 4 3 ?$ 0 C 0 0 S C SS 8O-D, 3 ! (2
, DC@ J@U@E - E@ @@ GA@ E + -?GA, B ,@J@D
> ,,> $. > $!O B@ * D G EZ @@ GA@ AD
E@ -JJG - E@ @@ B>,, +-AD -A E@ @@ AD ? U@C-CGA.
A-G @ - EGDD-> 8;PN< 9 * 8 &&! SS2 8;P;Q(
8: 2 -U@ +B + +B-> E@ @,, C@ - +B@ GC@ - +B@ @@ GA@
+B@ EG B@ G,, -,- @ +BG BGJJ@) ;MQ; B C !0
> ' 0 OOQ< 3 - + A + -A +, A. +B B C& ,)
$ ') (-C +B@ !@ A@ ;KK=) &) WH HHO LQ= O
B@ J-CJ- @2 ->AD -A +B@ + 6 @ - +B@ I>@@A B@
! S-A ,,@D + @ ! A@

O ,0 8!@@ I>-+ ;KKN = (

;KNL 11$! % V ' & ;OK '& 0 !@ @C , - +B@ ?
^7C @ a C@ - -A ,,G >.B+ A +B@ 5C +B - 5-C+B2 AD
C ,,@D EG ->C B@C EG +B@ .@A@C) A ? @ - !@ ! A@
;KKN = 5 ? 0 OPP $1) ! ' $) 000 O ,, A
7C @) @) A@2 3 -C G 5 C+B2 - A. +- + ? U A. $
I>@ U A. A- @ , U@ J .

8 +(2 5-C? O) O +@2 O) KK@+@2

L P @@+D2 L) M @+@2 @++@2 = P @@+2 ,(@+2

P M ,(@ +8+2 8P ,0 @G++@2 M ,0 D++2 +@(2

P; Q @ +D2 ,0 ,+2 M @ +2 ^ 2 #

" $ ' 8 3 " ,\ O (?-D

3 / > $,!&(8 ? -D / > 0 +] # @>+

T $+ B, - (%0 E, >+ C - T !3M @@ ! C 0

B@ ! ?@ .C D@ - +B@ C--+ C@JC@ @A+@D A I 2 '
8 # + +C @CA 2 ? E> B2 B B - >C -A,G A + -
-E >C@ J .@ 2 AD D D A-+ >C @ A+- 3 :

4 -+ -A -C ? AA@C - ++ A.

'0 B@ + -A - ++ A. , - A @ ? E,G

+ E A I>@+ 1 0

;ONN ; ;NP< " @ +>CCAD@ +@CC AA+,,, A ++ A
EC D ,@ @+@ $ 5\ &) & 0 OK=Q; B >@E ,D@A I>@A
@++ , A. >? @+@ + ? G ?@+@ 1 (O<NKP $;LNN % 0 0
C $! @SSS " O) > UA@ ? @@+@ AD ? C A.@ $;=NN
, $ $ ' X-- " @ ,-AD@ +B@ E--CDG - GCD@ ,,@2 AD C@DG
+- . - +- ? @+@ B@ ? GDGA2 A UGC+>,,@+B@C@ B@ +-D@2
C) E- A@ B@ +- @+@ , ;=NN) ! &% 0 ? ' "O
! A O@A@+ HLP A + @+@ @ , +- E! >,@ , ;=ON
&'0 !& 0 OQ=Q * EG -A@ ? -A@ >,, @CG - @+@ B@
AD CG) + . C@+ ,> + B@ B DD@ +- ,@J@

0 ,&' , 0 @++ A. -C T ,>+ B " 8- @.. ($!0

! =V &' ' LL ? @C B A+ A -C -,U B D @ +

B > U' ' @.. B + B@D -

/ 3 AA@C - ++ A. 8-A -C @E U(8%B @ ,G

+B I > , G A. D* (, - * ,$! !%(-A@ B-

B 8.--D2 @+ (@ +2 8.--D2 @+ (B-C @ ? A

' O < 7 1$, >) 10 J 8;PKM(;;P E B@
C D.@E-A@ ->@C +B@ B->,D@C E@ A. -?@+B A. B @2 ,,>@
+B@ B-C @ ? A E@++@C @ +@ ;MMQ / 9 (8 .
' & B@ !@ + - ? > B 2 + +B@ -A,G
+B A. +B + ? U@ " -C @ . - &@C @ +,G ;M<L) ,0
e ;KM OLQ + -AD> @ +- . @ 3 A C ? AD .C @ >,
!@ + -A " -C @E U ;QKQ <) K ,$ 0 & - 0
8;KN<(=K ^ C. ,a +@,, > +B@ @S + @ + - $- ? A DC . --A
SK - 6 $' & 2 -> B +B@ " - J + ,,@C B @,D
B@ B +B@ ,@ + >C@ @ +2 E@ G->C B@ J@ + E C. A
;K=N ? $ - 0) 50 B@ .C @ >, @ + - A @SY
J@C @A @D B-C @ ? A ;) L 3 5 3 2) &%E $,3
&' OQK 3 3 -,GA@>S ->,D A@ @C B @ ,,@A 2
-C +B@C@ A' + E@++@C @ + A +B@ ->A+G ;K< < B.)
&)1! ' O<P " @ B A@ @ + -A B-C @

K B@ ++ A. - ->C+ -C +B@ , U@ - !

;ML $! &' 8 @S(?& &) 8O>AD,@ KN A- O(2
B) C@@B-,D@C +B A +B@ E>CC->.B >??-A@D +- JJ@ @
++ +B@ -CC@ + @ +@ -C + C) @ + %B@, ?@ -CD UM) 1 0
8O>AD,@ KN A L(2 4 J ? D +- 3 C " ? ->AD -C B B C.@
++ +B@ *> + @ @ +@ ;KK< " # &'0 <! '1$
,, LP 7 @ B D B D ,-A. @ + A +B@ O- C " @ D B@ C A.
C@J-C+ C @ +B@ D@,@. +@

E ++ A. E-DG2 ->C+ - *> + @

$ H @@ # B ;O (

S M- B +C ! & - > & . - 0 ;PN # +B@ ->A @,`2 -C+B +
+ +B@ BG.B@ *>D , M +@ - +B@ B>C B@ H ,,!)C 3
-) - 1) '$!]0 ;MN= I < Y V > ,& $> 0
' 44 =KM B@C@ @C@ D @C @ +@ AD >C
D + -A 2 +B +B@ C % ->A ,-C AD >D.@ - +B@ %->C+

#2 ,(8 3 -C@ -,,G $ &% &'0+ B@ %->C+

- !@ -A2 +B@ >JC@ ? @ % , %->C+ - ! -+, AD

@ J A B , &% $ 0

;PNN ON B C& - S =; !>? A +B@ W C+2 AD
>? +B ?@ >C ;PLO ,,0 $0 $ 0 ,& 0 P<
- B C.@ B ? +- %- ? J@C@ E@ -C@ +B@ ,-CD - +B@ + +-
A >@C ^@+ a OP=P 0 C " &) ' , ! ,& 0 P O@ > -
+B@ @C@ - +B@ J@ + +B + , G+, @ C GA A +B@ +- >A - D A
E>C@E+2 +B@ @ +@ - !@ .->A ? G A- B+ >C@6@ C@ ? A@

[illegible]

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0 ,- :>A@ LK< 3C &@?E@C+-A ->,D A-+ B @ ?@ C@ .A ?G !@ ,@C J, @ A-

/ %-?E 2&3 $ (?-+-C C B A. + -
@ +

$!" . &) ;P - L M - G, AD@C2+ # @ +@C C
$ 0 , - _ @+B 8< @@+B(^#
$? f #5C !. 8 5C &$ ( )$ (
)$ (5C (9 (7 5C $ +(&&
DC @,,2 3 " # @>+ T $)%&30 J +2
B-,@2 @,,2 -C J--,

)<W- ' %(<& % 0 3 CU S S 7 A.@ CD .@ @++@ ?-AA \ G ?,V ,D@B X \ D , @ W^ !$,) - H ,$A+/ K=; "@- A-?@A V + * $ P @, B + E E>C @D@ AA@ D@-J@ @ ?@A SMeM " \ O "$! ,"$! MM !@+B -C J + - +B + 0C A@ <!& (0($ -C (A -,D -CD2 ,->AD A -?@ ,@. , D- >?@A+ 2 -C EC A@ J +

* 1 @ 3 $ > D ! $ $
$ ^% 2 06 J C +@2 @
C- @C

%;NPN $,0 A 7C 7 , U@C L=Q OM , * $ $(B@ B @D@- 8) ' 8$-,, (: $;QL ! , >-A B *V G,D@ ?@A AD @@ C@>@ 1 (=;P :(@ @@ V@ @ - / A@ ^G # , ! ! 4 - 0 > 5 !/ B -A@ E@ !@ +B@@>@ > B@ ,G@ A +B@ +C .B+ AD -CA@C - +B@ !@ 2 \ + U@ -+B@C ?@A .--D C- ? +B@? EG -C @ ;MOQ F) " ! ($ " &'> *0 PN #C - ?@ JC- A. $->@C B ,, E>+ D C@2 - @ X@ +B@ B J @+ +B@ @,, B@ - +B@ 3 A@ JJ@ C@2 AD +@,, +B- @ !@ +B @ @ 2 +B + ^@+ a ;K<; J 9 (? ' &' P< B@ @ +B @ @ @C@ + U@A EG >CJC @

$' 0 ;P<; !) ?$ $ L=N B- @ ? ,, B +@ 5 B %-?E A@ +B@? @, @ 2 +B + +B@ C *-GA+ +C@A.+B D-+B B-,D ., A + +B@ .C@@D @ + - +B@ !@ +B@@ @ ,, @

* 1 @!) ! $ "
9 $

B@ @ B-,,G2 "') - -$ - -0 1\0
" $ >%NMb $ 1 # $ E
, X M) ^ @@ # $ La XM-K 8 $ * ' =L B@ !@ +B +,@ ,,@D "') - -$ ') -(B B -?@), !@ B>,,2 6>,>@C ;MOM + "! $ e bM "') -(8!@ B +,@(;KNL ! ? $) ,& (LMP B@ - +2 JC-D> @ ! >C G .C)2 -,@ -C+2 AD @ +BEV+,@

*/ B@ @ B A> -C @ >C B A
MM) 0 ' - 0 ' 0 N<R B@G C@ - JC U,@ 2 +B + +B@G AA-+ E@ B@,D2 +B@C@ -C@ -?@ ,, +B@? +B@ !@ B +,@
: $ $3 ! 2 Y 1 $ 1 0
4QNL F "$ N $;= 7 @ 5,G A. B2 AD .C@ + D@ , - !@ B +,@ 7 @@D ,- +A. ;QOQ F * $ # C ! * A) $!! 8;QP=(MM 7 @ -?@ 5,G A. B2 AD .C@ + D@ , - !@ +B +,@ ??A.

) 09 ./ 1!(10 K $ 10 0 H

B@ + -A - JC- D A. +B C@ D@A @2 -C - @++, A. A ->A+CG I> C CC -JJ-C+>A +G -C @++, A.2 --+ A. , - 8 % ' ,$ -,-A X Y + -A2 @++,@?@A+ 8- ->A+CG(1 (

;P<M $ $!0 7U 8 ,-E@(MMM , - D-@ .C@ +,G ? , U@ +B@ ,-CD /@J>+G@ @ +A. + />E, A ;MNL T 0) . 8;MLK(;PL &C-? A. , - +- . >@ +B@? D -C +B@ @ +A. - +B@? +B@C@ ^A B AD 0-@-+ a (M ($ 0 < 0 ? 0 e & B@C@ C@ C@J-C+@D +- B >@ -?@ A+- C@, AD \ AD A. A- @ +A. +B@C@ +- B >@ @A+@C@D A+- 0C + A@ ;MO) 9 ! -(, 0 M A +B@ @ +A. - ->C @,>@ 0> ,D@C B->,D E@@) C >? J@ + 7--@C ;M<< C !0 $' 0 4 4 ==; + +B@ C + !@ +A. - 3 CG, AD +B@C@ @C@ @ @C , + -A - AD A A +B@ %->A+CG

/ B@ + -A - JC- D A. +B @ + +B@ ? AA@C A B B E> ,D A.2 @+ @ +@D ,&', T +B@ @ + +B B B E>6 !A.2 @+ JC- D@D
A $!" 2 Q # + O P B@ @ +A. - +B@ B>C B E>+ , ++,@ ,+@C@D S) W 1 (S /@ P L DD + -A , @ +A. B E@@A JC- D@D

3 +@C , -C>JB-, +@C A. +B@ @ + - B C 2@+ EE R + % , 5 ,&' LMM !@ +A. " -C @Y B C -C - 2 B C 2 \ ) % b 0 $ ($ ' (B-C @ B C EC 2 ?@C A ,@ +B@C2 -C -+B@C ? +@C , 2 ? D@ -C - @C A. +B@ > B -A - B C 2 -> B@ 2 $ %&R& ') - ON 3 C L=N ; %B C @ +A.2 ? - + - +B @ +A. A- D-A@ +B J, + A@ A +@ D - C> B@

#$, (' I
/ 2* 0 ,&!! , (' 0
%]] ! ' 0 = , 0 " ' !0 ;<; ; A
/ 1 ! 3 3
! ($ A M ! <!& 0 &$!3 ' '
? &!($ L< $ ' (1
$ % & (, 9 & ! ? ' 0 $' "1.0) c&RR.
Q; B@ @ +A. -C +B@ ,>. - +B@ G, AD@C
M$ G / $ 1 !
$. *31) ! ' " $ % Rb
$ 10 NN./

;KNP *2 G $ 3- ,) - ;O< $ ' (+B + J C+ - +B@ ,--C B B G -A +B@ D@ D --D AD - +C A -? B B G . A + +B@ J- + ;KLK !) 0 = , 0 " - !0 ;QK O B@ @D.@ @C@ +B@A +C> U2 AD +B@ @ .B+ - +B@ C E +BC- A >J-A +B@ C @ +A. AD B@ D *- A+ 5 Z A A., A ' 8),) 8;K<;(=KK ,, . CD@C B ,, B @ @ +A. - +B@ E@ + B C @,+2 .C D> +@D A ,@A.+B - +- A >C@ +B@ JC@ >C@ E@ A. -A +B@ @A+C@ - E@ C A. B@A +B@ .C@ +@ + ,- D -A +B@ . CD@C

M$ $ 10 1 8- @A @ =(2 $! ' 1!&,.(*!$ 0
;KLK 0 ' ' 0 , 0 " - !0 ;QK ; B@ ? -ACG + @ B @AD ^- +B@ EC D.@a C@ DG +- C@ @ @ +B@ + C-A @ +A. J, +@ - +B@ --D C B $! 5 1($ $E PP ; 0- ,) !@ +A. 0,- U
!$) 3
./ $ ' $,,&- -& $ &'(,$*$, "0
.%B C $!! $! <$00 < !@J+ O O A A- @ B->,D +B@ @ +A. J +G ^- +B@ +C@a @ @C E@ @S @@D@D 4<NQ " 7) /3 3 B@ @ +A. -??-D +-A

+- +B@ +B@ +C@a @?E-D @D @ @CG A@ D@ @ -C +B@ -? -C+ - + - >J A+ +B + A.@A> +G ->,D >..@ +

! @ +,@ 8 C+,@ (2 $(^ + 4 \a
" A. A- @ + -C @ + 8 A AG @A @ - +B@ E (T
G : . 8 &!) ' 0 ;; OO< 7 B + -C,D +B@ C @ +,@ A + -A ,@D ;KOM ; JC X ,@@ @,@ - + AD @ ,,@ EC@@ B@ ;KP< $ &) ' - L- QK B@ +B CD , CC .@ 2 @C@ @ +,@ AD >A B@,+@C@D >,@ +C> U $5 C$! $!! <$0(*J : A 2 BC@@ @ +,@ B C
! @ +- D

A ?@ . @A +- @ @C , B@ 2 B@
B A. C-. -C A.,@C2 &*) * ,$ &) 0 E
E0 0 B@ A,J A T B@ +- B2 ?$ $,)
$) > 8%@A+ / @+ ;K<;(
^^ / < ' % % ( ) 6 0 <M; !@@+-D@)1 $- -$ '$- ' ! , O%&+ # ' ' 0 ? . ! " 8;KKP(L;< A B DD- U) $-> - @ +B@ @ + D ;QNN % [5 < $ (($' 0(@+ XKM B@ '$ C 3 ,$ 5 -C !@ - D ->AD C@ I >@A+,G A +B@ $ @C 7 C@ A A B C@ I R @+ $ 0 D)$, ' -0 OPK #A ->C +, A+ - + C@ ->AD @ @C , J@ @ - +B ? ,G ^%-++ DX@,2 .@A@C ,,G UA- A EG +B@ A ?@ T ! >,J A'2 AD , - EG B ++,@ T !@ +- D 2 AD T,) . B'
3 0 ! - ?@ U AD - + C B 1 0>T>
;Q;N ! 00 / C!% V ' & K= !!$ $ '$ D)$ -& $ +B@ 5 B@C , + +B@ !@ - D2 -C+B + A -,->C +C@ @?E,@ - D
B@ .C@ + J D@C C E 8 @@ I>-+(
% b_ O +? 0) $, $ OO B@ "$ 000 3C -CD-A G +B + +B@ E@C >@A +B@C@ 0 3 -C G 5 C+B: ,, H T @ ,@ D 2 +B + @ +- D
! 2 '&', 3) (+>C+,@
>! # 9 C &!0 & "0 ? &2 '> ?$ $ & $T(! @ + .C@ + !@ - D, + ?@ C-? AD @] '+ E . " @ ,,'D + O@,,G J + B AD 8* m`V J@@

* 1) -E -C? -
! @ + - C+ - @ ? C A@ +-C+- @ -C +>C+,@
, - %-?E2 $3 & !& 3 !!0
3 ?$ 0 C0 0 S 2 @ + 8;=<P(KPN B@ @@ -C+I @+G,B ,, +BGA.@ AD B ? ->+B +C-A.@C +B A AG -+B@C E@@ +@ ? ->+B a M (S SSS + B@ @ -C+- @ B +B A@ +B@C +#A.>@ A-C +@@+B SMK M) $) ' ,, e NMR B@ J @ E@+ S+ B B ^C-) C@ A @,, +@D ?> B +@C +B@ ? AA@C - +B# !@B -C+- @ B@,, \ L ! 0 ' 0 # C3 OO !@ -C+- @ EC->.B+ +- +B@ 5-C+2 A ,@A.+B ! S 5@@+ c_bR M $ 0 0 ? ONM B@ !@ -C+- @ -??-A,G ,, 'D EG ->C !@ % J+ A >C+,@ XKKX " A 7 $!+@JB@A % = 0 8;K<P(OLQ +@CC J A ? ,, +>C+,@ -C @ +-C+- @

! 3 +3 7 6 ! A $ 8%-??-A A ;Q+B (
+- A +> +@D -A -C A@ C +B@ @ 2 @ J-C+ +# A
PQK : 9 M ' 0 O= 0 LM %@ C@ !@ +- A2 A-+ C C-? +B@ 3 ->A+)C?D XM + ' 0 !!(M; ? C + ?@ &C-> A @2 >,, - !@ +- A@ 2 AD " >@A ;Q<M +, 9 0 C $, U ,,, LQL B@ @ + - , AD 2 +B+B@+C@S+@A @2 AD @ @CG B@C@ >,A@C E,@ - +2 B->,D E@ -A D@C@D . CC -A@D @ +- A ;<NP -0 <$00 LN : A O L B@ D CU@A A. C-- - +B@ @ +- A

! @ +C @ @ 1 0
B>.@ J-,GJ ^ $ 1& - $ /$](
SM-S (C '" ((($ 5]b% ^ B@ T .C@ +@ + ? -A +@C - +B@ @ C@a B@ !@ C@@ 2 7 B C,@J--,@ ^@+ a ;M;4 !1 &(? -A +C-> @ B2 ,,@D +B@ !@ +C@@

/ ! - ?@ +C@@ , U@ @ @@D
@N (C! % 5) 0 SS =NL B@ EC A B@ AD ,@ @ - +B@ @ +C@@ 2 - ,-A. +B@G @+@ >AD@C +@C ,--U@D .C@@A@2 E>+ B@A +B@G E@ + U@A -C+B2 JC@ @A+,G DC @D +B +B@ B@ + - +B@ !>AA@) R F) 0 $ 11" ! ;OQ !@ C@@ 2 %@C+?A) C@@ B B C@ ?Y ?@D +@,G ., X'D +B ,+ J@+@C2 B B C@AD@C +B@? @SY +C@?@,G B +@ ! - ?@ -A @ @ +B@? +- E@ U AD - %-C , ' C& ' &** $ ' > $ 0 0 & 2 $" PO B@ - @ A B@C@ JC-D> @ C -> J@ @ - , C.@ @.@+ E,@ 2 B B C@ UA- A) EG +B@ A ?@ - @ +C@@ OQPK C !0 $ ' 0 ML= B J -+ -C? -?@+B A. , U@ +B@ UA-+ # +B@ @ +C@@ XK L = A ' , " ,!0 &*0 8;K=P(4 ONK O B@ @ +C@@, A@ ? AG J C+ - +B# - + ^- !+ 0 C+B-,-?@ a2 B + ,@ @ J, ++@D +-.@+B@C2 AD ,--U + - ? J,@+@,G ., X@D

! @ +C - A +
B@ $! - &)! $(. (" BQ , - +B@ E>,, -C .C@G +C->+2 &50
%_] +C G , 0 < '!$' <; !? ,, ! ,?-A -C !@ C->+ - D @C@A+ 9 AD AD ! X@ ;G L*G J ? 0 N&&!(OP< % _b 5 A ' , " , !0 ? 0 =) ; @S+ +- +B@ ,?-A C AU A ,>@ -C J-C+ +B@ @ +C->+ # +B@ @ +B@C@ C@ + - U AD ; +2 B@ ,?-A +C->+ = $! - &) $"(AD OD2 B@ E>,, -C .C@G +C->+ 4 $! - & &5+0

/ !&0 6 ! AD > +C , JJ, @D +- -+B@C B@
% b& MN R / $) 0 $ 0 0)% M . : : $;OM B@ !@ +C->+ - > +C , A @ E@,-A. +- +B@ .@A> * 0 I @+ $ 0 0 D)$, ' - 0 OMQ = 5$ & -) ,$ $- -) & $! A 5C A - ->+B CD2 +B@ A ?@ T $- U CE>+ AD T !@ C->+ C@ -??-A 1 0 " O 7 +B +B@ -+B@C ?@?E@C - +B@ .@A> ^+B@ ! I>@+@ .>@a J-U@A - >AD@C +B@ A ?@ T !@ C->+ c &% ') " 0($3 &) (AG + DC#?-> +C->+ -C B C2 +B@ -??-A EC--U +C->+ / +B@ 6A +@D !+ +@ 2 $! ! ') %&' '$! 0

) !1
% _b 5 ' , " , !0 ? 0 =; S 2 %&R] . # = && ' ' *$ ' N / --A +CG A. +- ,>C@ B ? +B @ +C->+ ,G

! @ +C > ? J @+
i +C>?J@+ B@,, -C +C +-A B@,, 1 0
MMK # / '& - $ (D3 % A @,,> A 0> A- D@.@A 2 +B@ E ..@C !->,D @C %C E D @,, A. A +B@ !@ C>?J@+

/ U AD - +C>?J@+ > @D + @
;QQM B 0) 0 POO B@ &', $(& - 1$ $ '$(-C !@ C>?J@+
@CG , C.@ @ @@D2 %. &' $ 1 ,, '$! 0

! - ,,@D E@ > @ +B@ B-,,- >JJ@C J C+ - +B@ +@? B@A DC @D2 > @D +C>?J@+ + +B@ % J@ - --D "-J@
;KO< F6/# ' , " , !0 C!$ ' 8;KLM(<=L ? A C a E> A , >CA B@ +B@ A.>, C @.@+ E,@ JC)> + -A ,,@D +B@ @ +C>?J@+ (MM $ 0 ?& 0 (? @$ " 0 C&*0 % $ ' C!$ ' =;< C>?J@+2 !@ 4 ,.!&' $ 1),3 , '$! + +C-A. .C- A. @ @@D - +B@ ? A C @ + -A - ,. @

! @ + ? A 8P + ?)A(
B-@? U@C 1 ($ 0 % 0
%_(& F 'A ! C !! O=; B@ %B C +@C M !@ +' ? A C ++@A EG -A@ - +B@ %C +

/ #A@ B- ? U@ +B@ @ + - ,-.
((' 0 ') ! . 8;KKP(QM & ++@A2 %,-. 3 U@C %,-. %, J@C %,-. !@ + ? A
! @ +6 2 -E -C? -

! @ T+ +- A 1 0
+- A > @D +B@ B@ D I> C+@C - A C?G ^L) " $,) (0 ? SSS6 ;LL + B- @A -C +B@ @ +@ +- A@ - +B@ CC@ ^ 1 !!]((M ($- ' G ? 0 0 OLQ $-E@C+ 0 B-J - %-AY + A @ B- @ + -C +B@ !@ + +- A@ - +B@ B-,@ CC@

/ J + , +- A2] 1(SL
;MN; (['[[Q29 : $ SS ;LK B@ >A @A+ C-G ,, J ,, @ AD @ + +- A@ - +B@ &@C A 98 A. :
! D +A C+,@ B@ E, U .> ,,@?-+
;MQK / ! !!) "> ' 0 LOM B@ C@@A, AD /- @ -C !@ >C+,@ %-,>?E C-@A, AD D + G^; R (0 ' - (==M B@ %-,G?E> +B @EE@D @@,2 AD +BC@@ +-@ +- @ B B@ !@ +>C+,@ L V M ? ! 2) ! (C@@A, AD >C+,@ AD !@ >C+,@ C@ ,-C A ?@ -C +B@ 0, U >,,@?-+

! - +> C+,N +>C+,@ -C @ +-C+- @
;QM= ' '(0 <O +@,G + U@A2 -A +B@ /@ -A B C@ - + @ +>C+,@2 E->+ @ @A @@+ ,-A.2 KMN & -0 $ 0 (8 KMX(LPQ - J C - J DD,@ 2 @CG ?> B, U@ +B- @ - @ +>C+,@

! @ + D,,2 -E -C? - 8 ..
! @ A2 !@ 6, @@ !I 2 J-++ .@ . 10
! @ - AA -CA
B@ C B ,

SM8M T + M C) 0 *0 ? SS ;MQ B@ !@ 6A -CA@ 2 C@ - +B + +C@A.+B AD E .A@ @2 E,@ +- J@A@+C +@ +B@ C E - B J 2 $ 5D55 T -) ' &-@+ 7U QO; LN B@ A.@, !@ 6A -CA @ JG'D ;KPL T < ' ' !! 5*0 SSS > 8;KPM(L=N B + ?-A-D-A , JC- @ B B . @ +B@?+B@ C A ?@ - @ >A -? $ 1(SK) 1 5S5 $ ($3) ' ,& ' && (A ?@ -C +B@ J C , E-) A -C +> U - +B@ A C B ,
! 0 + L

K J+ # - B A ' , " , !0 &*0 8;K=P(4 4 QOO @ C +B@ -J@A A. - +B@ A- +C , , ++,@2 E CD2 B-CAG JJ@AY D .@2 +@C ? A +A. A +>E@C ,@2 AD B@A @ +B@ B $! ! &] B - ?@+ ?@ E@@A ,,@D +B@ !@ 6A -CA
! @ TVA @E >
I A ? , - +B@ .@A> , ') 8 @@ B QD -C +B@ -CD@C , '& $0
;P<; .3 ?$ $ 0 2 LMO 7 B + + ,@ A -C+B ,G D@ , C@ 0 ,,@G 5 B2 AD !@ 6C B A(G->C D@S+@C +G A ! ,-C' C+ SMKS < I 8)) - H0 ; ;L< B@ C->AD !@ 6C B A -C 0A6? 5 E 'E & 1 ,) !$ 0) * B@ C@ +# , !@ 6C B A , '&- $ & ! (4QN= 3 <$0 "!0> 0 LM 3C , ?@ %>A A.B ?@ ->AD +B @,@. A+ !@ 6C B A -A +B@ % - + - %B A SK-M +C ?&$ G 5 3 .0 N&&!0 ;L= A -?@ !@ >C B A +B@ E-DG , ? - + JB@C ,

/ " >?-C-> ,G JJ, @D +- G->A. ,-C
A A& 9 Q 3 7 0 $ 0 8;KPN(=;= B@ D-? A@@AA. J C + - +B E- +@C-> @ >C B A + ,@A.+B .C@ I> +@ A+-,@C E,@
! @ @ 8! (2 '& 0 5-C? P2 < @ @2 P
@G @2 P2 . @ @2 K @ @2 K < @ @2 M @ @2
< @@ @ 8 @@ , - A. / , / @+ (2 ^ # B
8! %0 / *+0c] C> B , -2 C> B, .B+
;= & - '$! A 7C 7>, U@C Q;O < *'* @ - \((2 * ' @A@a2 , V=PN ( ) 1 8% ?D@A(=QN " @ E@. A J@ @ >@!.C G+B@2 AD ? D@ ->? G -C @E@,, 5 ' .0 ' !0 LOQ O !@G @2) ', ' 0 ;P<= A $' 0) - 10 = - 0 , &!0 &,0 8;<NL(" ;PO -A@2 B ,,2 ? - @ -C E@ C@ AG @ @ E@+ @@A ,E-+E@ AD !,@DD ,@ ;MK= : & . 0 $!0 _N B@A +C U@ 5 C@2 AD ,@@+ !@ @ $@@D %___ 6 $! ' % ' ' ,!& 0 , #; !@ @ 2 C@@D 2 E,AA 2 -C -
E $ 10+ $ 3) . 8 f E> B(2 3,$ ' ! (
3! >(@ . J2 +B@ E, U B@ D@D E>A+ A.

C & 0 $- ? (!@ @ J 0, U O@ D@D 0>A+ A. - 0$, , ' ,!) 0
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3 3$
J +>C@ C@JC@ @A+ A. @A@ + @ 2) @ Y
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SQK+ / ! "&) ' 0 !$' % &! V 0 (05Dd D ;; KN B@ J +>C@2) J@ C +- E@ @ @ ;KSQ ! : + 9 $' , 8;K;N(LQ ,+@C A. +B@ J- + -A - +B@ J +>C@ AD DD A. +- +B@ C A>?E@C +B@ @ + @ - @CA@+
/ @ -C JC- J@ + - +B@ @ 2 -C + @
;KM= =] : 0 V ! - $ '&,. 8;KKN(OK< A@ @ @ C-? +B@ B ,, - />AD-A ,D) #)) !" $ 8;<NL(LO B- @ T -D. A. +B A ?J,@) @ 7B B @C@ T - @+ OK<Q eQ ($ C & &)%&Rb. O E->+ B , G >J22 AD -?? AD A. J,@AD D @ @ 2 +--D A -,D .C@G E ++,@?@ 6@D B-> @

,+ #G .@ -G .@ EG @
;MN< 5 E-) - $'$ C $,&,. 50 8;M;O(%O2 % J+ A2 B + +B AU' + +B->- > B 2&-$' ++ :-A. !@ -G) @ $;M=< F , " " $ (M C& -)%MbM.) @ !@ -G .@ 2 /@ +B +B@ " @A ;QLM M <)!! 2 " ? . E@@A ,-A. > @D +- @ -G .@ 2 +B- @ ?-+ -A 2 ,+B->.B -?@+ ?@ @CG -,@A+2 D D A-+ ?> B D -?J- @

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;K<L 0 . ' 8@D O(M<M !@E CB-@ (A+ +,+ 1 0 LPP B@ , + A ?@D B@ +- C@ @C+ +- +B@ -,D +@C ? - @E-CCB-@ C+ 4K<< !!1) ! " 0 0 <N= B@ D J,- - > - @EECCB-@ @ X@?

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;QK B $1&1 & ,& > 1 JJ 7U ;Q<O PLM #A@ -A D@C E,@ B C.@ >J-A +B@ A E-E' ->A+CG -C @S+C -CD A CG EE@AD @ 2 @J-G 2 AD B-C @?@A2 B- JJ@ C@D +- > +- E@ A >AA@ @ CG A >?EC A @ -A +B@ C@ @A>@ ;QK= *& A % C? B @, 0$ $ $ $ - ON<c! E E ADG \ & U@ HI *P .H J@-A -C +B@ -C+ AD B ,,G ->A+C @ ;KNL 9 . . 7 A >C *0 8;KLQ(;Q; A + ?@ - C +B@ @E>ADG- +B@ ->A+CG C@ B C@D AD J D NO) ' , 0 ' 0 % 8;K=N(;< '& 0 " @C@ ->AD B ? A +B@ - ? ? AD - C@. ?@A+ - !@E>AD@@ 2 -C A + @ ? , + ;KOL : = . . ' $! ' $ LOM A ,, +B@ @ @C @ ? @@C 9B A AD B -,,- @C @C@ @? J,-G@D !@E>ADG2 -C,- ? , + ;KPK: 0 (&* , H4L ` A DD + -A +- +B@ C?@D @E>AD @ - X . J + ? A@ @) CG +- +B @AD2 AD + JC-J- @D +- ,- +@ E-DG - +B -C @ A +B@ @CG -A)@C E,@ +- A - : GJ--C $ 10 ;KNL 9 . . 7 A >C *0 8;KLQ(;M< + ->,D E@ E@ + +- >+B-C X@ +B@ -,,@ +-C +- C @ @E6ADG +C--J -C +B@ @ @C @

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H ! / 1 0 $ GY ? K $ O$, 1! (

$ O$. > ! ! $

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! @ ,@) ? .$?&!0 ^ ,$! 2 $L ' /

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A C $ -$, " (-C?@AG > @D -C ,$! ,& ')) - (@) -+ ;PK= %8) 9 $ ' $! 8;M;O(OM !@ ,@ -??-A,G ,,@D $ @2 C A@ ?> B @D A 0C@ ;QKP = &) - > ?& 05 ' 0 8;Q<=(;=L !@ ,@ -C $ @ B + - ,- @C A ,>D@D A +B@ ?@ ,G9

i ! @ ? @A + 1 0 Z ^ D2 - ') -

8-A,G J 2 C @D -CU(2 +- >+

3 a 8!@@ I>-+ (

;MPN . B <!& & 00 ,$ - ' (+B + B B >+ -C BC@ D C- ? - . -C 0,- U B J 2 AD > B , U@

2) 9 .$ K $ 6 * ! .

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;KLQ % 3 , 9 < $ 0 0 ,$ ' 0 @ A+ , A@ E@ C@ -, @D EJ>+ #A@ - +B@ J- A+ -) A G >A+ , +B@ -+B@C J- A+ - @ J@G - A D@ +B + +B@ @ A+ E@ - ?@ + A.@A+

= = 1\(P $ 9 $ KO$

($L Y 10

B@ ? -D ,$ ' A +B > @ A+C-D> @D EG B-? 5 A U < &-0 &) ' (0 ,@ +PKL2 JJ QL2 QM ' 9 7 0 $ 0 / 2 B@ !@ A - +B@ ,

+>D@ - @ B J-GA+ 1 00 B@ !@ A+@ A @C E,@ +- +B@ , + +>D@ - @ B J- A+ -C J C@,,@,

!@ A + 8 C A+(2 $0 AD 10 ^ ,$' 3 - (JC@ 2 JJ,@2 - ,$ +- >+ % 5 ,$ ' D* 2

,$ ' E22 !J 2 &. 2 +2 ,$ ' 0

$ B0 < &- 0 # , A@ -C >C @ A C@, + -A +- A-+B@C , A@ -C >C @ %>++ A.2 A+@C @ + A.2

' .B) 3 . 5 ,0 8;P<Q(PQ E B@G ,, +B@ , A@ !@Y A+ +B@ " J-+B@A> @ ;KM= 9 ! ,$ ' *!$ ' (J, A@ >++ A. >C @ -C -, D s011 $ ' 1.0 $;M 0G A C@ A. +B@ +C>@ ,@A.+B A +B@ JC-J-C+ -A - +B@ B-,@ ,@A.+B- +B@ @ A+ , A@ +- +B + J C+ - + B B , @ E@+ @@A +B@ J- A+ - JC-*@ + -A AD +B@ D -A J- A+ A &

0 10 8 ,, J+2 -C ,$ ' ! ' 0+ 0 #A@ -

+B@ +BC@@ >AD ?@A+ , +C .-A-?@+C , >A + -A

8 7 ! D & 0 B@ ,@A.+B - +C .B+

, A@ DC A C- ? +B@ @A+C@ - C >, C C +BC->.B

-A@ @AD - +B@ C 2 AD +@C ? A +@D EG +B@ + A.@A+

-C , A@ +-> B A. +B@ C + +B@ -+B@C @AD A ?-D

> @2 +B@ C + - - +B , A@ +- +B@ C D > 2 -C 8@I> Y

,@A+,G2 >A + -A - A A.,@(2 +B@ C + - - +B@

BGJ-+@A> @ - C .B+ A.,@D +C A.,@ +- +B + -

-A@ D@2 +B@ . @A A.,@ 8-C2 -E+> @2 + >JY

J,@?@A+(E@ A. +B + -A+ A@D E@+ @@A +B@?

EEC@ ,0 !@@

' .B) 3 . A 8;P<Q(;N= B@ E,@ - !@ A+ s10s %-) * *! ,0 8;QP;(OL A B B B@?@ G@ DC - ?@ , A@ 2 1@ ? G B @ @ A+ 2 + A.@A+ 2 .A ;QLO C !0 $ ' 0 4 ==L 7 @ B @ +- AD +B@ @ A+ - +B@ JB@C , BGJ-+B@A> @ s0+X ' B &) $ 0 PL B@ @ A+ - A C s010 ! - 0 & ' 0 e P;M O=L B@ @ A+ - 8 C ++@A ,0 +0

E < &- T , A@ +B + >+ A-+B@C @ J

+C .B+ , A@ +B + >+ >C @ A + - -C ?-C@ J C+

;MK= ! - 0 < &- 0 O= 5C- ? +B@ %@A+@C / 2 DC +B@ !@ A+ / % ;QOK %6 3! $! " ,!0 ! 2 B@ A@ 3 !@ A+ - +B@ % C ,@ J Q) ' B &) $ 0 LN= B@ A.,@ -C ?@D2 7 +B->+ % C ,@2 EG + - !@ A+ 2 3@ >C@D EG " , +B@ / @C@A @ - +B@ A+@C @J+@D C s00X D) ! &),! d" C- ? AG J- A+ + D + A.@A+ E@ DC A +- C ,@2 +B@ JJ 6+ - -A+ + AD +B@ J- A+ - A+@C @ + -A - A_ @ A+ CF? +B@ ?@ J- A+ -C? B C? -A G +@? - J- A+ =KKQ : " < &- 0 &' , , (SK "@A @ @ A+ +- +B@ J C E-, >+ +B@ >C @ A + - J- A+ -A,G

!@ C2 -E -C? -)! 9 0T2

;M<< $ ' LM : -?-C@ % +,@ -C+ @D +B ON !@ C C-A >A j

!@ +@ > C 8)U +DC(^5C 2 D2 T , 3

& 8E D -C? -C , & +(.@A+ A +- >+ a

U AD - JC>A A. B@ C +B C- @D E, D@

$ ' ' 0

s00s ' , " ,!0 ? 0 4 OL= ; 5-C JC>A A. J>CJ- @ C @+G - A +C>?@A+ B @ E@@A A @A+@D_ DAD@C +B@ A ?@ - @ +@>C 2 JC A A. B@ C 2 JC>A A. -C 2 \ ) ;<N; <$ ' , : A ;NPO O A @C+ A J- + -A) + D >,+ +- @ @C B--+ +B +B@ UA @ +B->+ +@ D) . + +B +B@ -+B@C B AD W +B@ D +@>C +@ DG AD >+ + +B@ ?@ + ?@ ;<N< $! " & ' 0 ;L 3 C Q M ,, D@ D !+@? B->,D E@ C@ ? - @D +B B CJ UA @ -C @ +@>C b

+ !@ + -A 1 0 ^0 D,G +- >+

B - 2a 8!3% I>-+ ;MPM (

;MPM . B !& &* >00 ,$ &' >++ A.2 A.2 J C+Y A.2 -C D D A. ;MLQ : 9 C.$ 0 ,0 0 O; B@ E@ + &BG A -?@ @,D- ?2 AD @CG B CD,G2 +- @ C A.2 -C @ + -A - 3@?E@C C- ? +B@ E-DG

!@- +- C) C >A+ - B 1 0(@S@ >+-C

0 @ > 2 -E -C? -

+ !@ -CDD2 $0 1 0 $ YV ^ +

,,,E& E-C@2a 0-C@D

;QML . = 0 & !2 " ' :>,G A :@ @ !2 " ' & ' - *0 8SK=L(O=Q 7 ,, ? > J@ + G-> E@. A +- E@ , ++,@ ,,$ & $(

!@- B@,,2 -E -C? - . 10

!@ %# 8 @ UU (2 $0 AD 10 ^ + \ ,,& ,Q

,) DCG a '$P B0 A) ,0 8!@@ I>-+ (

;KQM) 0) 0 - 0 , 85C (2 ,,& 8 +(2 DCG2 >A D-CA@D2 J, A2 $ * ,,&0 J, A C@ + + @2 +B + W +B->+ E AD -?J A ?@A+ ;KKL < 3 0) 0 =P= O ,,& , $ * 0 >C +@,G , $ & ,,&34TH. 0[DC) B@ ?J,@ + -C? - / @ , ? +-CG 3> >AC@, @ @D @ +B@C EG 3 @,-DG-C $BG+B ?2 AD - ?J A @D -A,G EG B-C->.BE

0 10 A C$ ' ' 0 ,, J+ -C + % ,& ,,&(

DCG C@ - 2 JC- @ - J A+ A. #A DCG J, +@C

+B -,->C ,6 4@D +B +@C

$ JA 0 DB $ 4<= '& (+ J A+@D A @ -2 - @C +B@ @ +@CA D@ - +B@ .C@ + C B ;KP= - " . 0 - 0 ,,& 8 + ? (2 C@!%- J >A+ A. T A @ - +B + U AD B B E -CE +B@ -,->C A+- +B@ J, +@C2 AD . @ +B@ ?@ DCG2 >AU@A JJ@ C A @

!@ --A2 C A+ -) ' , ' 0

!@ -+ >@ 8 @ U-+ B(2 10 ^ JJ >..@ +@D EG

+ ,,& DCG % a B@ ? U@C' A ?@ -C

-?J- + -A !@C A. +C-A. DB@ @ "@A @

!@ %--+ A@ ($' 0(+- @?@A+ +B @ -+ A@

;K<= $ $. 6 - !0 B / @ ;N=N !@ -+ A@) ;<NL < \ A5 550 & 0 , & ,&*" 8@D L(OON !@ -+ A@ -C -?@ -+B@C , I> D .,>@ ? G E@> @D +B D A+ .@ ;<NL $!" 2 OL 3 G K = B@ @ J-+ C@ -?@+ ?@ ? D@ - @, @+ @ -+ A@D+- +B@ ? +@C ,+B + +B@G D-CA

!@ ->+>C) C A+ - B 1 0(@S@ >+-C

!@ @2 -E -C? - ! U

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DC 2 3 8 @@ (3+ 0 , +- .-2a

' 0 - . - G C- ? -A@' -?J A -A 2

.- A+- C@+ C@?@A+ =&1 0+0 E '&', 3) 0 # +B A.

- C@+ C@2 +BDC +- D + A @ 8 + A ? (

;QNO = $ '(A A+C-D 8;KPO(O=N +C A.@ -CU - -D >J-A +B@ J C + - ?@A +B + @C@ A- G I> A+@D +B -A@ A-+B@C A J C A. +B@?2 -A@ ? A2 +- @ @D@ A+- ,D@CA@ 2 +B@G UA@ A-+ B@ @ ;KPM B & 0 C$ ' 0 S S L; B@ .C@ + ?->AY + A @ @D@ A+- >JC@? G +BC->.B C- G D@J+B - E>CAY A. C

/ - +BDC -C? ,,G C- ? A ,, A @2 A

- + -A2 @D@C ,>A -A2 J-, + , -C C@, . ->

-C. A X + -A

B@ ? - + JC- ? A@A+ JJ, + -A - +B@ @CE C@ +- +B@ + -A - ? A-C +G - C@, . -> E-DG2 AD +- +B + - + + +@ -C? A. J C+ - @D@C ,>A -A

4QPP# ! &D & , (+- +BDC C- ? @,,- B J A AG C ;QQQ B 0 & &,. ' $ - 7U 4 ;QN " @ - -J A -A2 +B + G-> DB@C@ +- G->C C@ -,>+ -A - @ @D A.2 G-> ->.B+ A-+ +- JJ@ C -A +B@ C + D G - +B@ ?@@+ A. ;Q<Q ' , " ,!0 ? 0 0)(4 OOM O -CDY A.,G +B@ @*@ +@D ? A +@C D@ , C@D ? +B@ C JC-+@ + +B + +B@G @C@ , D >AD@C +B@ D .C@@ E,@ A@ @ +G - @ @D A.2 A-+ C- ? +B@ JC A J,@ AD -A ++>+ -A - +B@ B>C B - ! -+Y , AD2 E>+ C- ? +B@ JC@ @A+ B>C B ->C+ ;KOP# 66

) &1 & 0 7U ;KP< ;L &- E,G +B@ C -,-A @ ? .B+ @ @D@ A V? +B@ 6A -A ;K=M: = 6 . $, 0 0 ,& (;O= + @C@ .C @ -> ? -A @J+ -A +- >JJ- @ +B + ,+ B- @ @D@D D D -A +B@ >E + A+ ,?@C+ - +B@ I>@ Y + -A + >@ ;K=P ! ') A ' " ,!0 &*0 4 QM= ; " @ B- -A A @D +B +B %B>C B @ @A+ ,,G A @CC-C E->AD +- @ @D@ ;K=K $ '0 $ S, 2 ?@?E@C - +B@ B-> @ C-? B B -,D !@D,@G B D @ @D@D @CG ., D +- ? U@ > @ - 3C %, JJ' @C @ ;KQM = . . C 0 6 L<; B@ A>?@C-> ,@C.G B- B @ @ @D@D +- $-?@ ;KKL ' A &' - *0 0 4 OMQ B@ , >..@ + D +C> + - +B@ !+ +@ B B @ @D@ C- ? -A @D@C G +B->+*> + E,@ @S > @

E $!" A D@C @A @ d" +BDC C- ?

+ U A. J C+ 8 A -A @C + -A(

;KPM 3 = B . "0 $! %$5 S 2 B@ -A @C + -A @,, +- +B@ +BC@@ G->A.@C J@C -A] ? G G +B@ + -] -C , - @ @D@D2 AD ,@ + :-BA ? +@C - +B@ @,D

" @A @ !@ -AD@D) $0

;K<= $!" B Nb JC = Q @A A 0 C? A.B ? ?>,+Y +>D@ - @ @D@D E@C , C@ + C@D - @C A. +B@ -CG J C+G

!@ @D@C 8 : &D-(^) UI N" QV

#A@ B- @ @D@

QPP R , (-A@ B- D - @C B D JJC-E Y + -A - AG JC- @@D A. EG +BDC A. B ? @, 4QKQ R (M9 " , ' &']Nb '& 0 +B@ -A,G @ @D@C C- ? +B) @+G (0 "3- 4 4 LOL B D C@ -A + +B + ?@ +- -A D@C ?G @, +B@ C + @ @D@C C- ? +B@ @ + EY , B@D JC + @ ;K== $ " O ? 0 ' $ %$:$ %R% +B-6.B @ @D@C A -?@C@ J@ + C- ? +E@-C+B-D-S C@, . -A - +B@ " AD> 2 +B@ ! UB C@+ A - ? AG @ @A+ , C+ ,@ - +B@ 0C B? A , +B +B + ^@+ a ;KP; 7 , " = ! >+ @++@C +- !@ @D@C C- ? +B@ %B>C B - A., AD +- +B@ %- ? ?>A -A - $-?@ SKDS $ 0 0 Q / @ PQN "@ G +B + +B@ -C+B@CA ?@C A ->,D B @ E@@A + .? +)D - CD +B@G B D ,@+ +B@ @ @D@C . - A J@ @

/ ,0 ? A)C & +B@ !@ @) -A %B+ C)

4Q) < . . . 3 &- 1 *0 - $DC O 0 @@G ?) !@ @) -A C- ? +B@ @ + E, B@D %B>C B2 +B@G C@ +@C ?@D) !@ @D@C ;QQ; . .) - * 0 !0 K >. 2 B + P @ + - A + U 2 B- B @ @J C +@D +B@ ? @, @ C- ? +B@ @ + E, B@D U CU2 >AD@C +B@ A ?@- !@ @D@C 4KLL 8 # V $ ' 0 , % 0 , 00' 5- 5& @ + - &C@ EG+@C A A! -+, AD2 B- B @ +BDC A C- ? +B@ %- ? ?>A -A - +B@ @ + E, B@D %B>C B B @ !@ @D@C @C@ -C?@C,G >ED D@D A+- 0>C.B@C AD A+ E>C.B@C E>+ A ;KO< +B@ + - E-D @ @C C@ *- A@D >AD@C +B@ A ?@ - +B@ 6A +@D !@ @ -A %B>C B2

E $ 10

;KLL : !) C& - P; 8 / / ("@ C @D UCU B ? @C , A@ :> + -A +B@ .C@ + !@ @D@C J, A ;KL= $!> $ T ;M S B@ !@ ,@C ?@@+ A. B-> @ ;KP= " = . . , 0 . - 0 8;KPK(P== 7B B B D - @CB@ CD A ?G -> J +B@ !@ @D@C ? A +@C' E-> @

!++#@D >. 8 D ((2 **!0 $0 ^) i

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a ! " 0 ' 0)%_MR. 4 b] B@ @ @D A. E D . A C@ >?@D +B@ C @ + +A +B@ B-> @ - -??-A <G^ Q ! &- 1 0 - $DC N B@ @ @D A. 8-C - +@(3 A +@C +B->.B+ ^@+ a (M B66 C&!) 0 8;KMK(;O4 $@ -A +C>@D-A C@ D? -A - +B@ @ @D A. !+ +@ +- J-, + , -??>A -A (M A 3 -C,@G % S 8;<NL(<NN 7 ,, +B@ @ @D A. -,,@ .>@ -?@ +B@G C@ U@D +

!M%MCA 8 < *A(2 0 , - Q @ @CA@ ^ D

, ' (D@ 8 @@ "D U, - +- @J CY +@2 D + A.> B2 @ C@+@ A + JBG -,-. ;

JJ, + -A 8 @A @ O(+B@ + A -CD C@AD@C C

P &V%' % 0>]

$' 0 - @J C +@ A- -A,G2 +- @J C +@ A +B->.B+ +- J, @ A @J C +@ +@.-CG2 D + A. + B2 D C ? A +@

9 9 H6 <!& & 0(, - (+- D D@2 +- , G@C @J C +@ -A@ C- ? A-+B@C2 +- @ @C2 +- B> @ C- ? ?-A. -+B@C ?$,0 ;MPQ 7 : & '$ D)$ 5 8 , ;=K ,- , AD E D ,G @ @CA A. ->C @, @ C- ? @ , ?@A $ GEI V 5$ - 0 e <O 8;Q=N(;KQ A "@C >,@ A E->C B B 2 @ -C A-A@ ,, >AD@C+ U@2 AD G@+ @ @C E@ E,@ +BC->.BY ->+ +- @ @CA +B@ +C>@ C- ? +B@ E@ ;KLM Q O (" 0 SS 8;KQN(;PM @CC-@ @ @CA @A) - + + ,,, + -A AD @A @ - B>A.@C AD +B C + ;KPP + ! " , 4NO 7 B@C@EG +B@ .--D C- ? ,, +B@G ? .B+ @ @CA <NP $ 0 0 ;P JC =KL "@ UA- +B + ? ?@ AA-+ E@ >++@C,G @ @CA@D C- ? +B@ C , @ - ? ? CG

2 / C. " (- @J C +@ CD ? +B@ E,--D +- R

- $ (

;MLQ 7 = & '$ D)$ 9-+ *&C@ ;K " > ? -C B B E@ A. @ @CA@D AD. +B@C A. B@ D ^@+ a [QQ< % B n 8 . . (& " ' G &- ' M 3 ,U E@ A. @ @CA@D OKOO O< <&&) " 0 8 D L(;MP A >A> > , JC-Y J-C+ -A - E ,@ @ @CA@D OK=<) & > ",!0 '$E 2

" ;= ;' B@' @ C@+ -A' -'+B@' ., AD2' ' ? J,G' @ @CA@D' C- ?' +B@' C >, + A.' >CC@A+' -C' '+ ?@' $1 &!0 M M' '' ! $'e MKN B@ C'5,@ B'D-+B' ? , +@' ? -C@' A@,G2' AD' @ @CA@+B' ? -C@' >E+ ,,G

* 2 1 %' 0 ! 1)%.' ** ' ' 56' & ' ' ;'

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QLL' C B ' 50' C " 03 0' 8@D' O(;Q' B@' @ @CA@D' & C+ ,@ ' -C' ->C B ?@A+' AD' C@+ -A' ;QOK' ",!0' $:$ ' - $!' , &' ' / @C + @ ' ' @ @CA@D' 5,> D ' H O/30 <&& > ') "' 0' 8@D L(OMO' &C- A.'+B +' ? - +' - ' +B@' @ @CA@D' ? +@C , ' C@' >- +' -C ? ,,G'@S +@A+' A'+B@'E,- -D' '

0 1)) ,' '1)%' ' 51%' C")'

)!")")(' J C@ ' J J,@ ' - '))!" !)' @@' ' U I V

$ B0 -@1' 2

5N0030 '<&& > ') "' 0' 8@D2' L('OM;' &@ >, C' @C ?@A+ 2' -A @G@D' EG' +B@' E,- -D' +-' +B@' @ @CA@A+' -C. A' ;KLP M' & ' ",!0' '$ 0' 'MP O' B@' + +G' - '+B@' A>+C + @2' @ @CA@A+2' AD' E -CE@A+' JC- @ @

M' '<+ '1' ' 2 !)4' 41)

SK-K ' '0' 0' ; ;P' B@' @ @CA@A+' - ' + ' >+ ' @S>D@' ' @@+2 B C A@2' A>+C + @' .> ?' ;KOO O< <&& > ') "' 0' 8@D' L('OM;' 7 B@A @2' AD@@D2' +B@' A ?@' - ' !@ @CA@A+' -C' !@ C@+-C @ 2' B B' ?@ A' A-+B A.' ? -C@' +B A' @J C + A.' J- @C ' ;K=' (! ' 0' 0"' ' ' ! 0

' '* / @!)4' @!2@$ / ' 2 !)' % d'

A' 7 @E +@C' ;KOK2' +B' C@ @C@A @' +-' / C A' @@+B@' -,Y ,- A. ' I >-+ K%_&M ' F M ' N&&' 0' ' ?]' B- @' +B A. ' B B' AY C@ @' +B@' CC + + @' ? -+ -A 2' B B' -A + +>+@' @ C@+ -A2' C@' +@C ?@D' @ @CA@A+ a

' 0 ! *W)!4.' **2' ' 56' ' '

' %, ' + & '1

$ >B0 ' T ' ' - 0' ,&' 0' 8;QLK(%R]' B@' !@ C@+ -A ' C@' -C ?@D' A' +B@' 0,- -D2' E@ -C@' +B@G' CC @' +' +B@ C' @ @CA A.' , AD ' ;KN=' ' 8 ' ')' . ' ' ' e ; ; ' ;L=' ,,' @ C@+@D' ,> D ' J C+ U@' - ' +B@' @' - ' +B@' @ @CA A. -C. A2' '$ &J # ' - ' ' A' ' ,!(' &*0' 8;K=P(, ' OP< ;' # '+B@' !@ @CA A.' , AD ' -C' C>@' , AD

' 0 7 P'8) / . ']6' & ' ' ;

7 a

' + ' -@ '12!)' 6' 2)!)4' ' 2 !)4'

% NN N&' <&& G ') "' 0' 8@D' L('L;N' B@' ., -E>,@ ' C@ JC-D> @D' B ,@' +' , @' '-A' +B@' >C @' - '+B@' -C@2' > > ,,G2' A' E ->+' +@@A' ? A>+@ ' +@C +' @ @CA ?@A+' E' C ') 10' %' 0' ' - 0' 'S 'OMK B@' ?@ A -C'C@*@ + A.' C- ?' +B@' E-DG' +B@' C@ D>> ?' +@C' +B@' @ @CA ?@A+' - '+B@' A@C' , @ >JJ -C+ A.' JC-D> + ; ' !@J C + -A ;K<=' !!& 2' ? .0' 'QO' 7 +B' +B@' >A @C ,' > @' - ' - ?@+ ' AD' +B@' -A @!>@A+' @ @CA ?@A+' - ' ->,' AD' >C @

' 0 6. ' ' 1)%' ' 1 17' 5*@) %

6 /' ' ' ' ' F ' ' ' 2 !)! '

: ' 2 !)! '2 :: 2 !A :E

SKM ' # ' 7 ' (" ' ! ' &!0' &%' % ' 8;K<;(LM ' B@C@' C@' + -' ->AD@D' !@ @ B' 2' D' ?G' - ? J A -A' GL' 8 , ' C&&!> ' $' ' 'OP ' -A@' - '+B@' -C . A ,'T !@ @ B2] ' -A@' ,'+B@' ? ? -C+ ,' +B C+@@A' +B +' -+@D' -C' +' A' +B ' ->A+G' ' ' ' "1") .)' * 2 !)'

SKMK ' (A' 8;<N;(ONL' ' ?@B-> @' .C- @C' JC-Y , ? 'B ' @ @ B' C- ?' @ + -A ,

M' $' F ' ' ' "

SKM' &' $ -$'' M - ' A' 0' 0' >' 0' &!) - '' 1) ' ' ;NO B@' -,,- A.' D + A.> B@D' @ @ B' JC -A@C' B @' E@@A' @A+2' % MN 'Q9 " ' 9)' ' (8;KMP(;=P' " @' S@D' B +' ' ?G' JC A J,@ ' T !@ @ B' ' A @C@D' G' ' ' V ' A' % ' 8;K<N(' LK B@' B-,@' +- A' ^$ B? -AD2' (' ' + ,,'T !@ @ B' '+-' +B@' B@ C+' ' -C@

* ' 0 ! ? !.' 1 17' F ' ' 56' '#'

i ' $ 0' ' 2 !)!

M(# ' 7 ' (' 2 ' ! ' $' '=0' 7 B ,@' +B@' AD' ++@C '+B@' B G' @ @ B@C ' (M(M ' ? ":!&> 'C0' !@C2' ' '&-@? ';K<N 'OL< 9A- A' +' ?> B' ? .B+' J ,@' 'E-G' -C' E@ A' ',!@ @ E@C

' / % ' 51%' C')) . ' 0.' / .' $

))$'!)' ' 'T ' [! @% 1 !)4' ! 0

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8 8;P<M(QK< O B U@A@ '+- -U@B ? +@C' >JJ@C2' +B' +B@' B B'B@' @B@ ?@A+,G' -A+@AD A .2' C@I> C@D' @ @ @' A+-' ' BG@' B ?E@C' %M]' " ' ' " ' &'X'8 &)!' K ;' ! ,@A+' !@ @ @2' +' ! -, +>D@' 7 @@J' @ C B A.' +B->.,>' - +@A' C@A@ D' E (' !$!!) -'&@C ' 8;MQO(O 5-C' +B@C@' B @' E@@A' ?-C@$@ -,+ 2 / @ @ + -A 2' AD' !@' ?' D@' A' >C-J@2' +B A' -C' ? AG' %@A+>C@ ' E@ -C@' %M_b' 2' (. ! ' ' & ' 3 & ' ' ;K B ' -A+C A @' ' D@22' ?@C@,G' -C' @ C' ,@ +' +B@ @' B->,D' ? U@' ' !@ @ ' +-' 3 ->A+' @A+ A@2' AD' @+' >J' -C' ' J-J>, C' $@E@,, -A . A +' +B@' !@A +@' - '+B@'%- ,@D.@

$0 7 ?).' 51%' C')) 1")(')'.

6' 12!)' 6')$!)' ' ' 6' G'

) 1" 0 @'2'!)' 1 N a1 / .'*$')) 1"' <'

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6: ' -@' 12!)' ' 1)' 12' 6' 4 !)4' 1 1E' 6 /'

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!'5 ' (' & 0' % ' , 'O'* ' !@ @ -A' AD' D@J C+Y A. ' +B@' +G'B +B' E@@A@' ' ?@ A@+-' JC@ @C>@' ? AG' ^ C- ?' +B@' &, .>@a' !^ +$' (' C $, 3 - $. ' ' ,'M)' B@' @, ' AD' ,- +@C' - 'C@+ C@D' -+ C @ 2' B- @' @CG' @ @ -A' JC- , ?@' +B@ C' -A+@?J+' - ' A >,,' @ >, C) ' %M] '] ' ' ! ' 0' &C@ 2' -' ? U@' > @' - ' ?G' ,+@' !@ @ -A' -C' +B@' JC-D> + -A' - ' D @C ' C + +@' ^L' J ' ' 8;KL<(LNO B@' >AY J- ++@D' ->,' - ' SG :@ > ' ' C@ ,,G' AD' +> ,,G' @' J C@' C- ?' B ' E-DG2' +B +' B ' ,@ B' ' A +>C ' , @' EG' +B@' @ @ -A' - '+B +' ->,' ' &' $, ' ' ;PO' B@G' ^+B@' &>C + A' ->AD@C ' - ' @ ' A., AD A' C@ -, @D' -A' 'J@ @' E,@' @ @ -A' A+-' ' - ?@C - '+B@' 7 -C,D' G @ 0' $' '' 'S 2 -'D@ C@] -C' @ C] -C D->E+' +B +' +C->E,@' +B@' C2 +B +' +B@' ? . A + -A' ? G' A -+' J ' @C' +B->+' - @A @' A' +B +' @@+' @ @ -A' @E + , , ' " $' 50

L;' / > C A. ' +B ' @ @ -A' B@' , @D' >AD@C' +B@' ? @' C- - ' +B' A' A A@' J + @A+' ;K=Q' 8 . ' , 0' ? 0' 0' S ' ;NM' B@' @ @ -A' - ' ? AG' @? A@A+' ? @A' C- ?' '+B@' , AD

C'E ' # ' ' ? +@C ,' +B A.' / @J C+>C@2' C@ ? - ;' +- ' D + A @' @J C + -A 1 T

;MLL' ') ' 5*0' O C ' ' ;<' +>C ,' D CUA@ ' A@ @ C ,G' -,,- A.'>J-A' +B@' @ @ -A' -C' E @A @' - '+B@' >A' ;M=M' ' 8 'C) 0' *0' ;;' 'PQ' B@' @Y -A' - ' E-DG@' >J-A2' -C' @ @ -A' +B@C@- 2' C- ?' + ' >C @' 4Q<Q' B ' - C. !0' $' 0' 4 4 4 'O;L' B@' @Y @ ,-A' - ' +B@' ?A -A' C- ?' +B@' B-C -A

' ' 8!@@' I >- + (1 0

O>+% . . 1 ' 8@D' 9@C @G(2 , &' ' &%' $' C$! $ - ' ' +B@' D*->CA ?@A+' -C' EC@ U A. >J' - ' + ; ' &- 0' 0' 6 @D' +-' C@AD@C' F ' , &' 4 "! 1 + ' +B@' +@? J-C CG' ? .C + -A' - '+B@' J,@E@ A ' + - ' J, @' ->+ D@' +B@' +G2' A' -CD@C' +-' - ? J@,' +B@' J +C A' +-' .C A+' C@DC@ ' - '+B@ C' .C@ A @

;PLL' ' . .) ' "' ; ;'SS 28!' ' ! ('OL;' +' ,) +' +G? @' C' @JJ +' E@ E ?@' ? G' UU ' \' -C-> >,,' ' (V A @ C' C' @JJ +' E@' @ @ ->A' - 'J@J ,,' +-' E@' C +@' ?-AY + A@' $ B [' 7 ' B ' , &> ' !0' $ 0' S 2' 8;K=;(O<K +' C +2% @ C2' G->' +B->.B+' +B +' -A,G' ' @ @ -A2' A -+' ' ;KQK' O- ' ' $ $ ' ML' -C' A@@D' @' C@, +@ B- ' +B@ @' ?@' &,@E@ A 2' EG' +B@' @ @ -A' +-' +B@' C@D' ? ->A+' C +' -E+ A@D' A -, E,@' ? . +C +@' - '+B@ C' - A

i' E ' 'D@ @C+ -A2' C@J>D + -A' - ,,@. A @' 1 0) S' OJ ' 7 ' . 8' - (C$ ' & 'OL' B@G 2 B-' +B' ! B@E B2 ' ,' ? U@' ' @ @ -A' C- ?' +B@ C' JC A @ ' B@' + -A' - ' @ @D A.' -C' -C ? ,,G' +BDC Y A. ' C- ?' A' ,, A @2' ' @D@C + -A2' ' J- , + ,' -C' C@, . -> ' -C. A X + -A2' -C' +B@' , U@' "@A @2' 'E-DG' - ' @ @D@C

' $ '&%' , &' ' +B@' ?@C A'% ,' 7 C' 8;KM; P(2' B B' C- @' ->+' -'+B@' ++@? J+' - '@,@ @A' - '+B@' ! ->+B@CA' !+ +@ ' +-' @ @D@' C- ?' +B@' 6A +@D' !+ +@ ' - ' -C+B' ?@C ;MMN $ ' 'C&2 ' W) 1!0' OOO B@' !@ @ -A' ^ Ea - '+B@' %B>C B2' 9 A .2' AD' 9 A .D- ?' - ' A., AD2' C- ?' +B@' & J G' ;MQN A' ! - ?@C ' $, ' ;O' 6 B ' !@ @ -A' - ' 3 @ ? E@C 'D D' @CG' ?> B' , + +@' +B@' A+CG' A+-2' AD' % -A+ A> A @' - '+B@' 7 C' ;M<Q' ! ' 8 . ' $ "' LN' !@J+' 8;KQK(' =MN B +' 3 C' %-++-A' B->,D' ? U@' A' -CD@C,@' @ @ -A' C- ?' +B@' %B>C B' ;QQQ' B ' (' &, , ' $-' 7 U ' 4 ' ;Q;' '+B@' !@ @ Y -A' @C@' +-' E@' .@A@C ,2' > B' A' ++@AD A @2' - @D' EG' > B' A' +2' ->,D' B @ -C @' 0' ' " # # 8 0' ! &' 8;KP;('O;' +@C' - ' ? AG@D +B 2' @ @ >A' AD' @SJ>, -A ' ;K=P E@' A +>C ,,G' J@CJ@+> +@D' ' + A- ' 2 AD' @ @CA@ -A' C- ?' + ' ->,D' E@' A' +C>,G' ' ! B ? ' 4K=K = ' # $, 0' (' 8;KPN(; ;P' B@' @ @ -A' - '+B@' &C-+@ + A' %B>C B' ;KM;' 8 . 'C!) 1) ' E ') - ' &C2' 7 U ' ;K<N ' PL' $@E@,, -A' ?@, 'A -' @@+@C' E@ > @' + ' ,,@D' !@ @ Y -A' SKM ' - 'OL' 3 G2' @' +@C ?' ' T @ @ -A' ' -E*@ +@D' +-22' E@ > @' ' @ @ -A'2, U@ @D@C + -A'2@ gJC@ @ ' A' E -Y ,>+@' @!> , +G' AD' -CC@, + -A' 'C .B+' B B 2' +B@' -C+B@CA' !+ +@' C@' A-+' JC@J C@D' +-' -A @D@' SKQO ' < &2 ' &- - 0' LPP' '+B@' JC' +@' A+@C@ +' - ' AG' +- A' ->,D' E@' E@++@C' @C @D' EG' @ @C A @' C- ?' +B@' @ @ -A' 'C@ ' A-' J C +' +-' JC@ @A+' ' @ @ -A' ;KQ< ' ,' " ,!0' ? 0' 4 ' =M< 0' 4< -$' '" +(!@ @C , - ? ?>A+@ ' ' ' AD D> , ' D@Y , C@D' +B@ C' @ @ -A' C- ?' +B@' $- ?' A' %B>C B' ;KKP 3 & ' ! # ' -0' OLP 'B @' J-U@A' -'+B@' >DD@A' ,>,' B B' @,,' >J-A' # S -CD +B@' ? -C+ - ,,@. A @' - A +-' $- ?@' @C@' AA->A @D' SKKK ' # ' A' , ' ,!0' ? 0' 4 4 QQO 0' ! - ?@' >C A @' - '>A +@D' + -A' ?> +' B @' E@@A' -EY + A@D2' -C' ! ->+B' % C-, A ' @A+>C@D' A+-' @ -A

E ' * ,0' B@' @J C + -A' C- ?' +B@' + E, B@D' %B>C B' - ' ! -+, AD2' A + +@D' A +' ;QLL' EG' +B@' $@' E@A@X@C' C U >@' AD' -+B@C' ? A +@C' +B@' C@, . -> ' E-DG' 8 ? -C@' >,,G' ' , &' ') , +' B B' -C . A +@D' C- ?' +B ' @J C + -A

<2 ' ' @+ ' C & ' A' B- ? -A' 0' , 0 &' ' 0' 8;K=K(QO B@C@ -C@' @' D- JC- +@ +' +B +' @' C@' -E, ,@D' +-' A' ? A C- ?' +B@ ?' 8+B@ JC@ , A.' J C+G' A' +B + E, B@D' AD' +B +' @' A- ' ?A ' +@C ,' - A>A >A' +B' +B@? ?' + ,,' '^@+ a' ;QKO : ' 8 *) ' &%' 0' J'S 2' , - -U' >J-A' +B@' @ @ -A' AD@@D' +B@' % > @' - -D2' SKM- ' ' $' 0' "0' ? &2 '' 'L' B +' -C?' - ' ! -66B'D @A+2' ,,@D' +B@' !@ @ -A2' B>D' + U@A' +' 'C @' @ A' ;QLL

' $!" ' A' D@C' @A @' 7 +BDC ' 8 C- ?' ' B C@' A' -A @C + -A2' @' + ($ &J' ' $ '&%'?$ &' ' ' 2' &@C @ +,G' >A -A -> ' - ' +B@' @ @ -A' - 'B ' - +B@C', +@A@C

'#' 8!@@' I >- + (1 0

;MPQ' . ' ' &)G ' * 0' 'S 'OK ' 3 @D ?@A+' ,,@D' % +B C+ U2' -C' J>C. A 2' ?, @ > @' EG' -?@' G' +' DC A-S ->'B>? ->C' - ->C' E-D @ 2' 'EG' - A A.2' -C @ @) -A' ;QO=' ' 8@D' O(2' & ' '8 ?-A.'&BG A (2' B>C A- ' ^;Q=O' 8@D' ;N(- ' ' ' / @ @ a' EG' !@ C@+ -A

' $ 1' AD' &- 1(1' A' @A @' L' E2' ' A'

, &' ' ,) , "' -& ' ' ' "'* ' , *! "' "'& ' E ' +B' C@ @C@A @' +-' +B@' ++@? J+@D' @ @ -A' C- ?' +B@' 6A +@D' !+ +@' 8;KM; P(2' A' , &' 3 " -*$ 0 :' !@ @ -A' C P ! $ '&%' , &' ' 8 @@' L(

;KNL' 7 ' ' ' ' 0' ? &2 'G' (' & ' &! $ &' ' &C@ ' . ' B B' B'B@' ? A. ' -A' +B@' !@ @ -A' %B>C B ' ;KLP' 8 2' # V ! $ ' 0' ' ' ' ; ; L' ;K<' +B@' + - ' E-D @ ' @C@' C@ +' *- A@D' >AD@C' +B@' A ? ' +B@' 6A +@D' !+ +@ ' - ' A' % B>C B' SKM' 9 ' A' [2) 8SK<L(;LM' A' - 'D- A.' -A% B>C B +B@ ' >+B@' C@J>E, -A' ' +B@' @ @ -A' - 'D@ -,' A,' -A' @D ' +B' +B@' @ @ -A G? J A.' +B@' -CB' ' C@ +' (7 + 4 ' ;QKMC' ' ' !') ' ' ' ' ?@JJ@ , +B' A' ' A' +B' ' -' +B' A' J-D@ ' EG' AD@J@AD@A +' ! ;KMP' -- ' ' 1 1) ' ' ! 0' 4 'M=P O' +' ' A-+A@@ @ C,G' -+B@C ,C@D' C@E@,, -A' !@ @ -A2 ' +B@' E-D G' ' ' 8 4 ' ;LO O' B ' D@J C+>C@' -A' ' C- ?' @' J C + -A' - ' ?' >C' @' +B@' ? B>C B@ ' +B@ ' ? @ ?A+' ' ;KKL' 4 ' ;LO O' B ' D@J C+>C@ -A' C- ?' +B@' J?' C- ?' +B@' ? - A' 'B C- ?' +B@ ' E +B@' ?C>C+ B' -A' +B@' 6A +@D' ,@+' +B@' CA@ ?' A' 6A +@D' ' @C@' ? -A' +B@' $!' % -A' A' E-D >C' >C ?' B@' ' -C' -' &,@' ' A +B@ C' + @' E @ -A' ? A+-' +B@' 6A +@D' A' +B@' ? A' ' A' 8 C- ?' +B@' 6A +@D' !+ +@ ' - ' AD' -+B@C' !@ @ -A' M' $ 1(8 !> #) (A' +B@' @A @' ' 1 ' 0@,-A. A.' +-' +B@' !@ @ -A' %B>C B' E' 5 ->C A.' +B@' >C @' ? -A' - ' ?@C@ %B>C B' 6A +@D' !+ +@ ' A' +B@' C A A- - @' J,@ ' - -C' ' @ @ -A' A' +B@' (2' @ @ -A' + ' 8 7 +B' + ; ! (

;KLK' ' ' 0' , &' ' 0' ;Q;' B@' A ?@' ?- A.' ' -A' +B@' A' -A' +B@' JC-D> @ -A' A' - D' E'+B@' C @ -A' A' 4KMN ' '+B@' @ @ -A' +B@' C@ ' 4K@' A' 6A +@D' !+ +@ ' ' 8 C @*- A ' ? (' ^ ' i' ' ! 3 a' ' E 0 0 0' B@' JC A J,@ ' - '+B- @' A' ->C' - ' @ @ -A2' E ' , & ' 0' 0' B@' JC A J,@ ' AD' D- +C A@' - '+B@' !@ @ -A' %B>C B

;K<K' ' : ! ' $!' &2' SSS ' A' 2' & .' &, ' P 3 G' M ' A -,A ' ->AD' B ? @,' A' J- @ -A' - ' ' E AUY C>J+' .- @CA ?@A+2' -A C-A+@D' EG' A' CC-. A+' @ @ -A ?' ;K<< A0' 0' :>,G' ;QQ' % C,G,@' C@JC@ @A+@D' +B@' T D->C* @ @ Y -A ?' - ' +B@' O-CD@C' J@ A+CG' ;<N=' $ ' " - ' 0 E0' C0' &' 0' 'LOK !> B' @C@' +B@' -CU A. ' - 'D C>J+@D' !@ @ -A ?' +' ,G+B

8 @ : A +(' ^ ' ' i'

;! a' # A@' B-' ->C' @ @ -A' - ' -A@' B- '*- A' A' ' @ @ -A2' ' * ,(A' E0' 0' 0' # A@' A' ->C' - ' +B@' ++@? J+' - ' +B@' ! ->+B@CA' !+ +@ ' +-' +BDC ' C- ?' +B@' 6A -A

M e + ' - 0' 8@D' +0' , &' (+B@' J C+G' A' +B@' ! ->+B' B B' ->,D' D -, @' +B@' 6A -A2' -C' .-' ->+' - ' + ' ? ?@D +@,G2' +B->+' +B@' - +J@C' -A@' +B@' ' -+B@C' !+ +@' ' ' A-+B@C' J C+G2' ,, A. ' +B@? @, @ ' T - J@C + -A + '2 ->,D' -A,G' D +) -, @' +' B@A' -+B@C' !+ +@' ' B D' *- A@D' +B@? ?' ;KM;' M ' C!) 1) ' E ') - ' &C2' 7 U ' ;K<N 'PO' B@' +' - C@ A @ ' J>+' - CD' EG' A' A +' ' B ?' AD' ' JC@+@A @' ' 4K<O ' 8 ' 1 (;= - >,G' LO O A' @' - ' @ @ -A' @ @ ' @ A' ' ? +B@' 6A -A2' E>+' - +B@' 6A -A2' E>+' -A' +B@' JC- @C2' ' +B@' JC- @C' ' +B@' ' 0

((,$@$ (! 9 ' A' $!"' 'OM # + 'MO]' B@' C B' !@ @ -A + 2 ($!"' ' &' 0 ' :>,G' L)P B@ C' H 0 0' > +C A' J A+@C a' -CU' > ..@ + ' +B +' ' !@ @ -A + 2 +B@G' B @' @,+' +B@' A@ @ +G' - ' D- A.' ' - ?@+B A.' ' -A' - A@' B' D-A@' +' E@ -C@' 4<- ' & -$' ' L' : A' M O' # +B@C' T @ @ Y -A + ' 8E' U,@. *' -CU ?@A A' ? ? .@D' +-' C@' B' +B@' @ @ Y B- ?@' ' @,G2' E>+' -A,G' >AD@C' +C-.A' @ -C+ ' $ 1' AD' $ ** & ' 8!> D) ' (

(M' & - (& ' 0' L' >. ' B@' J,->.B' ,G A ' E AD- A@D2' ' + ' +' EG' ' +B@ ' - A +' -A ' ;KW) = <!$ &' ' > ' %' OL< / C @, ' @J +@D' +B@' >JJ-C+' - '+B@' @ @ -A +' E@C ,

3 / $0' 1 0 ^ ' ' D' 'T , !) (

! , ' @@') ' U V' 9@+ C@D2' JC +@ ;MPL' X * B ' V$1 ' C' S,2' U@' D>A. B@ @C' AD' @S C@ ?@A+ ->' @ +@C 2 +B@G' C@' +' A+-' A' @ JC @' AD' @C@ @' J, @ 2' +B +' +B@' %- @A+' AD' EE@G ' 1 0 A' 2 % -A @C @D' AD' J>+' A' +-C@' ' A' ' !@ @ @' $@J- +-CG2' AD' ! C@D' 7 C@B-> @

! @ - B8 - ' ' @@' ' ! 7 ! 7 ! ! B '

! @ - B @ , , 2' ! @@E@C2' ! @ B A -2' ! @ - C2' -E ' '

! ! * B ! B

! @@U2' $0 ! @@ : "

! @ U8@2' -E ' -C? ' - ' , 2' 10 (' $0

! @ - U@2' -E ' J ' + ' - ' B '

8 @ U " (, - ' ! @ -U,@ ' ^! @@' I > - + ' ;K ;Q a'

'U AD' - 'J@ C' , - ' , , !* $ 0

% % 72' # 'C> 2) ! 20) ' - 0' ;K< !@ U,@' &@ C - ' ! - ,,@D' C- ?' 3 C' !@ U,@' - ' [ ] B , DDJB 2' +B@' JC-Y JC @+-C - ' +B@' -C . A ,' +C@@' %]b' 8 7]%M B@' !@ U@,' J@ C' (M ' 7 7) ' $ ' 0' N%% 8&@ C (!@ U,@' 8 @ '1 -CU' $@D B@@U' !B U@ V@ C' ! U@C( ] 5C> +' E A ,,2 -E - +@' ! U A' G@,, - B EC - A' ^@+ a

! @@U@C2' -E ' -C? ' - ' B' $0

! @ - U@ +2' D ,2' C A+' - ' ' 8C>AA@,(

! @ - U ,@2' C' . ' AD' - ' . ' 1 0

! @ U + > C2' C A+' - ' B ' 1 0(@S@ >+-C2'

+' 9> 2/ $0' 1 0 ^ '%-CC>J+ -A' - ' "0

) 7 ' V' !@D.G

;M;N' 7 2 9 "' '&%') "' 'S 'OK B@G' - ,@' +B@' C' ADG' , G@C' '+E-+B' E, U@' AD' C@D(E@ A.' @ U@2' + ->.B' AD' @+2' +B' , ?@

+' ($ 1 0 , - ' Q' @ -,@' ' ^ D' 8JC-E ' AY D@J@AD@A +,G' EG' @ @C ,' C + @C (' ' ,!) - (' ')!) - ' .@' ' @@' B. ' ' 5-C' +B@' -C? ' -E+ A@D' +BC->.B' 5C 2' @@' . V' ' @A+>CG2' A' .@ ,' ;PL/ > ' O '!) & 0' ' C$! 0' %R_& B@' 9 - ? GA' ^ @C@' -A+' +-' C@U@ a' EG' ,> +C@ AD' AG' AD -A ' ' @' ' A' B>ADC@D' G@C@2' AD' - ?@+G@ ?@+ U@A' - C' ' A AA@' ,G @' 4M= (" ' ' C $, 0' >$, 0' ; ' 8;M=M;' ;N ' -A' +-' E@' D' +B +' +BC@@' .@A@C + -A' ' ? U@' -A@' D@2' -C B>ADC@D' G@ C@ ' ' Q QO' 8 ' (B7 V +C' 0' 0' <) ' ' LPO -' +B@' C. @A+' @ -A' > @@D@D' +B@' @ @ B .B+' @CC>. A.-> ' ;K=M 9' 7 . ' 0(?) , &!0' '# E @C 22' B@' >. >C , E--U' -'+B@' > A' D' +B +B@C@' @C@' > @ @' @ @ -C' .@' ' .A@D' +-' + +@' AD' @? J C@

! @ ,@C 8@2' -E ' -C? ' - ' B.

! @ - , 2' C A+' - ' ' 1 0

8 U, b D g2' H ' - ' M' @ ,> D ' ^ D' ' ' ' 8 @@' "D' N' % + % + - ' B>+ ' % '

5 ' %

- ' , ? - +' C@ +C +@D' + -' @A@ O2' B B' ' ,- @' + -' +B@' JC ? CG' @+G? - . - . ' ' ? @ A A. 2' +B- > . B' A A- @C' +B A' +B@' > @ - ' ,!) E ' A' + A' 5-C ?@C,G' - +@A' > @D' , - - @ , G ' ' GA-AG ?' & 5, !) M' @@' L2 =2' P E@, - a

i' ' $' 0' - ' B>+' - ' -E +C> +' +B@' @ ' +-' 8 '

+B A. (' % - A + 1 0

[illegible]

*** 2: % %** 8)U, D@D(2 $(^ JC@ ;")$ a

[illegible]

*** 2: %!)4** 8 ,! D I(2 * * !0 $0 ^ .B)

[illegible]

*** 2: !)** 8 XU,)') A(^ D ? @D +

[illegible]

*** 2:) ! !** 8 XU, ')-A +(^ .B i

[illegible]

*** 2: C*!A** 8 U, (2 ^ D 2 !

[illegible]

" @A @ ! @ - ,A @ G $ (! @ ,> K @A@
;KO 5$ - ' ^ B@ J +>C@(AD J@ +B ,, -
+@C2 \ J - @+ , @ ,> @A@ ;KKL 7 2 R ! % %0
) ' ,$ ' SSS S =MM B@ @A ,- A. B ,, @@ ? @D +- B>+ ->+
+B@ -++ .@ ? - C@ @ ,> @,G C- ? +B@ - C,D ;KKP : 3
, M A & - !0 (JC N N 7 B + @ ? G) , +B@ C
^ : @ B $ EE A a @ ,> @A@ - +B - > . B+

*** 2:R8*K E** 1 j ^ D ,!) & ' ' " 0
,! @@ , AD *F/L 8 ! @@ I - + (
^ + , <!& & (& " 1 2 +B A.
B>+ >J J C+ C- ? - +B@C %- - J
/ ! $! "

*** 2)%** 8 @)U AD(2 1@3 $ (5 - C ? =2 M
@ - AD@2 M @ - AD2 ^ 5 ,&' (D ? @D
,)' $(@CA2 - ,)')) > @D @,, J+
- C ,)' $ - ') $, + T @ - AD ? A>+@ 2 @ +B@
C@ >,+ - +B@ @ - AD - J@C + - A - @S .@ ? , D Y
- A +B@ C@ >,+ - +B@ C + > B - J@C + - A 8A -
,,@D ? A>+@ " ? J,G(E@ A. +B@ T C +> - C JC ? @
? A>+@ " - C JC ? @ 8 @@ ;$ / O(2
B@ ? @D ,)' $, - C@JC@ @A+@D EG .)'
/ > ,)' @ ? 8 B@A @ ! .)' ? 2 / . ' +T
3 @D B D A@>+ ,)') - 8 - '%) - ? A>+@(2
B@A @ ! J 2 &.) ' (+ ,&' 0W
< $ - 0 = 0(< & 0(@+ (S+ @+B J C+ -
? A>+@2 J C+ - D@.C@@ ! @@ : , 1(> O2
F 1(&$
, EL # , &!0 %$ B @ D@.C@@ - .A@
E@A @>@C B - B@ ? - A D@C@D - MN 3 GA>+@ 2 \ @>@CG
3 A>+@ - MN @ - AD@ ;P<< O 0 $ 0 / O2
@+ +B@ ? @C D A 8D > D@D A+ - D@.C@@ 2 ? A>+@ 2 @ - AD 2 \ (
C - >,@ J - A +C@ .B+ , A@ ;Q;L : O &) ' $. ' 0
<) 8@D O(LPN @CG % C ,@ >JJ - 'D +- E@ D D@D A+ -
LMN / @.C@@ @ @CG / @.C@@ >E D D@D A+ - MN & C+
,, 'D 3 A>+@ AD @ @CG 3 A>+@ A+ - MN ! @ - AD 2 \
;KQN J & ! "55 ;Q; B@ + C ,JB %@A+ >C
@SB E + 2 A AA> , J C ,, S - - A@ @ - AD
/ A ? @ >C@ ? @A+ - + ? @ B@ S+ @+B J C+ -
? A>+@2 - A B - >C
OPKK T +C $ ') T $, 0 . *2 1@ - C @ - G@
- A@2 I>E ,U @A @ B@ E@A@ - E @C>@,+ +- E@ - ? J,@ @ + A
LMP D G@ P B - >C ;N ? A AD ;M ! @ - AD OM<P #)
& %& & A S2 + @A %, - U2 J>A +> ,,G +
@A $ - % - 3 A>+@2 +- ! @ - AD +B - > B ,, @+
+BG 7 + B2 AD +B@ OC D@.C- - ? B ,, - E @C @ + 3 - + - A
OQMO ^ 7 S , . $ 0] $ 0 O= B@ J@AD>,> ?
B B EC +@ @ - AD + - AD - A2 B E@@A - ? ? - A,G @ Y
+@@ ? @D L<2O A., B A B@ OKKL $! (A ' , " ,!0
? 0 4 MMK 8 A +B@ % ! G +@ ? a +B@ >A + - ,@A. +B
+B@ , ' - +B@ >A + - ? +B@ $ - - AD +B@
>A + - + ? @ +B@ ,&' 0
E 6 @D .>@,G - C A @S+C@ ? @,G B - C+ + ? @2 A
A + A+'2
OKOP ! - ? & 2 ? - ? @A+> ? - J@@D B B
A C@ @D +B @ @CG @ - AD OK<Q $! " 2 O= : >A@ P Q
B@C@ @ - AD J A A +B@ C- D (? M # 9
: < ! 6=<& S 2 / - G - > ? AD : , J G - C
*> + + - @ - AD AD + U@ - +B C - U
$ 10 AD & - 1B 5 @ - AD 8 @ - AD (B AD2
B AD - C J - A+@C - + ? @J @ @ AD + A. @ - AD
@ - AD 8 @ - AD (? CU $!.0 5 , B C +@C c2
D@A - + A. @ - AD - C @ - AD 8@ +B@C - A.,@ - C
- + ? @(@ - AD 8 @ - AD (J@AD>,> ? 2 J@AY
D>,> ? - + ? @J @ @ EC + A. @ - AD @ - AD
J - + 8 @@ I> - + (@ - AD 8 @ - AD (+ B2
+ ? @J @ @ AD + A. @ - AD
' J A C !0 $ ' 0 OPN 6 J - A ,- - U A. +
+ B2 B B B D @ - AD E AD2 B@ +- JJ@D ? @ B@A ;
B D - >A+@D %< @ - AD 6 N b) 4 .]%
1 - >C + B B - >,D E@ >CA B@D +B @ - AD B AD SK)
" $ A ' , " ,!0 ? 4 4 <& 0 A +B@ BC - Y
A - .C JB + B +B@C@ 2 A DD + - A +- +B@ @A+C@ @ - AD
B AD2 A AD@J@AD@A+ @ - AD B AD B B2 B@A A - + A
- J@C + - A2 + AD + X@C - % # C ' > &,0(
T ,&' - $ .0 OQML = B) A C !($ ' 0
@ - AD J@AD>,> ? + +B@ @I> +- C - >,D E@ L< ;P=
A B@ ,- A. OKLQ O M 0 '), 0 , 0 8;KPQ(
OO; / @+@C ? A A. +B@ ,@A. +B - +B@ @ - AD J@AD>,> ? A
D @C@A+ , + +>D@ OKK= 5 : + $, !&, . - 0
$) 1.0 OLL ^ B@a d ! @ - AD & - +2 ^ a +B@ JC - , - A. + - A -
+B@ - >C+B B@@, CE - C +- B B +B@ @ - AD B AD - + B
S@D ;QP= " A C !0 $ ' 0 4 ,, PLQ
+B CD - E @C @D2 EG d @ - AD + E2 +B@ + ? @ + U@A) A
C>AA A. +B@ @ LPQ @@+ ;QML) 1 0 ,,, LO< B
- E @C @C B D ! @ - AD + B A E E AD

*** 2)%** 8 @'U AD(2 $0 AD 1M 5 - C ? L Q
D >AD8@2 = P @ - >>D@2 =2 M @ - AD@2 = M
@ - >AD2 P @ - - AD@2 @G - AD2 M ,0 @ >AAD2
G - AD2 = @ - AD2 ^ 5 ,&' &' ! J 2
&.) ' B + ,&' " D ,)') - ,, - A.
8B@A @ - >C E,@2 JC - J@C - > 2 JC ? C ,G - EC@@X@(2
A@S+2 @ - AD2 C - - + - D) + - - ,, -
? ! 1)
02 " E $ 2 (52) 5 - + (! (
! 2 6 ??) / .D ! ! / 5C 1
. $L
$ B00
% - ? A. A@S+ +@C +B@ C + - CD A. + - AG
- A+@S+> ,,G >AD@C + - - D JC A J,@ - @A> ? @C + - A
8@2 . A - CD@C - + ? @2 J - + - A2 C AU2 I> , +G2
- A @A+ - A , - C CE +C C ,G D - J+@D @I>@A @(+B@
- CD A , - CC@ J - AD A. + - +B@ CD A , + -
+ +B E2 @SJC@ @D , - * ,$! " 0
;O<Q $ < . B 8$ - ,, (PQO= A B@ @ >AD@) @C@ B + B@ @C +
E - J OLNL $ B $ ' !0 " ' ' <QKQ B@
@ >AD@ C ? @A+2 G ADGC + - AD@21 .C >A+@D - 'B) EG B - J
B - AD@ B ,0) ' > 0 ;LN >@CG @ - >AD@
- C BDDD@) G B@ +@ %4==N %$,& !! =M " @C@
EC@UG + B)) @ >AD@ +G ? @ B) S - ? >AD@ ? @A+@ OPNQ

, , 0 0 $ 0 ,& 0 " O<N B@ @ >AD D G -
3 , ;P=< & - * 0 ,& 0 " * 0 A 0 < $, M > ? J - ? J+, > 2
+B@ G - AD UGA. - C - ? @ (1 9 0 0 0 , % <
B@ AC + AD @ - AD > @ ,, A - + @C>@ ? G +>CA@ $5%"B
0 10 S e %b% B@ % - A @C+ A@2 B J -
+B@ @ - AD C AU ;G@@ F ! - 0 W <) 0 <b 1 - >+B2
" @ ,+B2 AD @2 AD ? - + A ? - C - > 3 AD2 - @ - AD
>J+ , B D B@C B - > .B+ A , A'D G; 3
- $ 8@D <. 2 1 - > UA - 2 ? G 5C @AD 2 +B B + EC @
% C - > @ ? D@ ! @ - AD 3 CC .@ A ? G B - > @ OKK=
) + , 6$ ') ' 2 KQ : A@' J +>C@
- ,@C.G ? A .@A@C ,,G +B + - @ - AD - A B - @A+@C
+B@ JC - @ - A A - CD@C + - B - ,D ? ,G , A.
8)(+B @,, J - E >AD@C + - - D C - ? +B@
- A+@S+
$ N<RR [& - - $ ' - 0 OP A 0 0 C 0 8;KMO(;M J@ @ >AD@
^ - ? ? AD ? @A+a - B 2 >AD @, B) + B - ,D@ ;E G
8) ' 8$ - ,, (OL A OC@+ GA2 E@@B ? AG
- ADC@ J@ C +@ + &@ + - >A J@ @ - >AD@ + ! + - A
B@A.@ EG D@ ! , E>CG2 , & (! $!!$,) O
B@ GC + C ++GA. .C - ,@++@C - EC 2 B@ @ - >AD
. - ,D2 +B@ +BC D ,> C B@GA@ 5 (! M $!! '
? $) " 7 U ;KQ= PN G - > 7 - >,D DD @ - AD + -
+B >C+@ @ N _] ; * ! $ $ ON;2 , U@D
, @C + C + .B+2 AD E@++@C + @ - AD N ( ] ! $ '
' %0 S A LK B B - +B@G ? D@ +B@ ? E - >AD + +B@ C +
+C J@ - A@ - C +B@ @ - AD +@D2 A - C +B@ +B CD N b
$ - 10 6 ' !0 #8 - LL= ; A +B@ C + - B B - E*@ + 2
EG +B@ G2 +B@G B @ > @@D@D ? > B E@++@C +B A A +B@
@ - AD
E ,&' JJ@AD@D + - J@C - A , A ? @ + -
D@ .A +@ +B@ @ - AD E@ C@C - +B@ A ? @ A > Y
@ - A - J@C - A 8 B @ ,G - @C@ .A 2 - C J@C - A
*- >, C,G , U@A@D + - - @C@ .A (, - 8A - $! " +
> @D + - D@ .A +@ - A@ C@ @ ? E, A. +B@ J@C - A + -
B - ? +B@ A ? @ E@, - A. 8 = E@, - (
, ;E # , $ ' & % $ 0 OM; # ! - D A@ @2 C - - +@
- A I> +@@ C . - 2 +B - > ! @ ? GC ? @ +B@ @ - >AD@ ^ 5
M & ' 0 ,& 0 ,, 2 = " @AC @ +B@ @ >AD C A. A+ - B
+@ D2 B@ @ ? JC @ - A@ 7 = ! + C ,D
+B@ ! @ - AD 8 3 @ A A. 9 +B - C . - A2a GE^ R
&1&> 1 " ' $0 , 0 2 == A +B@ $@ .A - 9 A. : - BA
+B@ ! @ - AD SK 3 % J & ' & ' d % &3 $ " S
8@D L(;MP) / U' ++@C ,, 2 - C $ B CD +B@ ! @ - AD2 +B@
.C AD - A - +B@ - >AD@C ; L; " C) 1!
O< : - BA 3 >CC G +B@ ! @ - AD] +B@ T A U - &>E, B@C 2
- CD A. + - - CD OGC - A
< $ - 0 A ,&' * &' @@ 10 K
, - A ,&' ,! ' & ' (,& ' B) $ & ' (AD A
A ? @ - +@A @C ,&' $& (%)) (* % , (
B@C@ +B@ C@ @C@A @ + - - A @A+ - A , - CD@C -
@A> ? @C + - A D - J+@D EG .C ? ? C A
OG C@ @A+ .C ? ? C A +B ? @+B - D - D@ .A + - A B
E@@A , ? - + @A+ C@,G E AD - A@D C@. CD +@A @ 2 AD + -
.C@ + @S+@A+ C@. CD D@ ,@A - A AD - A*>. + - A 2 D@Y
C J+ @ +@C ? E@ A. >E + +>+@D - C A> ? @C ,
. 7 ' & 0 L; # +B@ @ - AD@ - A*>. + - A2 , OPLO
B 9 ' & 0 0 A C$! 0 ;N; ; B@ ! @ - AD@ 5>+>C@
% B>,D UA@,@ ;^ @ (! $ 0 0 & ' 0 B CD,G2
+B@ @ - AD J@C @ +2 % $ " $ - 0 B >@ , - >@D 6NNM<
0 : - ! # ' 0 < $ - 0 S 8;M=N(MN B@ @ - AD / @ ,@A - A
- C A@+B +B@ &,>C ,, C - ? +B@ ! A.>, C2 EG J>++ A. + - ' 0
1 (S ML B@ @ - AD % - A*>. + - A 5 ^ Q
' " > $ 0 ? .0 ;= @CE B - @ A A + @ @AD A
0 C@ - +B@ @ - AD - A*>. + - A
D $1 &!0 B@ J@C - A - C +B A. +B + B E@@A
? @A+ - A@D A +B@ @ - AD J, @ ! - A $! "
8 @@ I> - + ;KMK(
OPQO + M - & ; ; = E2 " @ E@ C@+B C .@A+2
@ @ >,@ 2 E@+ @A@ +BC@@ .,@++@ ! E,@2 ? @ ? EC@D AD
E@ U@D - +B@ @ - AD (M # , 0 S)% &<. ;PK
+ A +>C@ ? > + A@ @C E@ ? @A+ - A@D + @ A +B@ ? @
O, X - A B - >,D + - >C . A2 + ? > + E@ @SJC@ @D -
+B@ C + 8 - C @,D(2 - +B@ @ - AD2 - +B@ , +2 \ 2 +B@ @
? G E@
/ @S+ A C AU2 I> , +G2 ? J - C+ A @2 - C D@.C@@
- AG ++C E>+@2 & 8 J@C - A - C +B A. C@. CD@D
C +(" @A @2 A A@. + @ AD , ? + A. - A+@S+ 2
A @C - C = & ' & ' (& ' ! " & (^% - ! Q
,)') 0
>a<_] B & " !) N3 " C - G,> A@>@C@ A + -
A - .B+ A B +G ? @ A A - D@.C@ @ - >AD@ ;^L@
9 & - 0 0 Q # @CG C@>@C@A+ C@J>+ + - A C2
! @ - AD + - A - A@ +B + " >@ E@@+,@ A +B@ % + @ Nb&<] O '0
0 ; =L G , A - C2 +B@A ? > + B D@ - >+C .B+2 &C@Y
> ? J+> - > / ? @2 ,, A>C+@C'D , A - C2 C+ +B - > A - + @ - AD
7 - ? A A +B@ $@ , ? @ G : C0 0 $]R& $@Y
. CD,@ - +B@ O, B@C@ A B@@ + ! @ - AD + - +B@@2 - @CD
B ? @, + - D @ 5 - C ? A - @A @ G^I ! C& " <P - C
@ - AD " @2 +B + C - D@ >E, ? @ 6 J - A +B@ @C) B A. -
S+ G2 B@ @ C@+ - +B EG + - JG ; ; # *0
O JC 8;KOK(LNM ? - A. +B@ A ? @ B@ B D ? @D - A@2
A - A - ? - C@2 A@ @C @ - AD A +B@ X@ , - B C@ + A @
(M 8 & % <) ' 8;KM=(N<< A +B@ @ C B - C ? Y
JC - @ ? @A+ ,>C@ B @ ,>@ @ - AD - A,G + - > @
OKQO S < & 2 & - - 0 =< 3 ,@+> C @,G @ - AD
+ - GC@ A ,>S>CG AD @ ,+B
E 7 +B - ,, - A. >J@C, + @ " A. - A,G - A@
>J@C - C A +B@ J@ @D ++C E>+@ %) "
;PLL 0 1& 0 8 ! >C+@@ (=O 3 G @ >AD@ .C@+@ +
EC J - ++@
A D@ .A + - A - - @2 D@A - + A. +B@ , - @C
- + - 2 - C +B@ A@S+ + - +B@ B .B@ + - @ @C , J@CY
- A B - ,D A. +B@ ? @ - @ @ . ,&' ,$* $ ' (
!) ' $ ' 8 @@ I> - + (2 ,&' !& 8 - +B@ DY
? C ,+G2 @+ (2 ,&' - $ 8 A B - - ,(2 ,&'
- $ (&%% , 8 A ? @C B A+ B J(
B@ 5C @SJC@ - A ' ,&' 8 I> - + OQNO(- >C - ? @+ ? @
A A. - ,> @ A +B@ SK+B T - @C @A @ - AD " C@
? @A+ - A@D2 @ . A +B@ & ' & ' <$0 ;Q;M ON %
OQNO ! 0 0 8;QN=(2 ,&' $* $ ' (- C) ' $ '

' ,&' (- A@ B - @ % - ? J AG B E@@A EC - U@2 AD B@ E
*- GA'D + - A - +B@C2 + - + AD @C @ >AD@C +B@ % J+ A - C
@>+@A A+ - + B@C@ C@ , - ! @ - AD % J+ A AD @>Y
+@A A+ - +B@ 5 C + %C@ + - A2 +B + 2 B - @C@ A@ @C - A
+B@ - +B@C % - ? J A @ ! @ - AD @>+@A A+ C@ ? > B > D
? - A. +B@ 5 - - + A 5C A @ OQN< & 0 <$00 - =P=L O
B@ @ - AD @>+@A A+2 AD 3 C C@A @2 @C@ B - +
+BC - > .B +B@ O - DG ;Q<Q ' , " ,!0 ? 0 8@D L(4 LM ; ,&'
) ' $ ' ' !! " (E +B@ ? @ A @A .A A A
A A+CG C@. ? @A+22 AD ? > + + +B@ C + , @>+@A A+ A +B@
D @ +) - +B@ - ? J AG' D>+G
D ,& ' ,& - - $ ' B - ,D A. J - + - A
- A,G >E - CD A +@ + - +B@ B @ - ? ? AD@C - A C ? G
- C - A@ - + >ED - A # +@A $1 &!0 8 I> *) (
Z 2 # ! 0 (& - - C % - ? ? AD A+
- > - A2 + B A. + +B@ > ,@C @ 2 @ - AD A + - A ,
- ? ? AD2 @@ @ @C , +B A. B CD + - A+@CJC@+ OKKO $), 0
<) $ 0 M ! @J+ P O U@C & B ,, E@ JJ - A+@D @ - AD A
- ? ? AD AD) D*- A+ - +B@ >CU B % - ? ? AD@C A %B @
@) 0 6 @D + - D + A. > B +B@ A@S+ + - +B@
B .B@ + J C+ A J @ @ - - A @C+@D ? > " @A @
- - @ - C A +A ? @A+ $@AD@C A. > B J C+
;QO= & 5 * ! , 0 & (0 ' ' 0 ? . 00 &! '&
,&' &(+B@ ! @ - AD - , A OQ=M 8 , 2) 0 < $ - 0
;L; G - > - >,D @+ ! @ - AD C@E,@2 - C % A+> 2 3 @D > 2
- C % - >A+@C2 + - AG & @ @ - 3 > +@U +B + E@ - C@ A -
& C+ 2 + - ? U@ BC@@ & C+ ,@+ + E@. A C - ? +B@ O - A
- ? @ D @C@A+ % - CD C - ? +B@ @A - C ^@+ a OQM< ! @ - AD
- @ ^ @@ # Oa OKLM (9 ' ' $; ;
&C@ = B@ @ - AD J C+ ,, , G E@ >A. +B ? - +
@ @ + EG E - G E@+ @@A +B@ .@ - + @, @ AD - >C+@@A OKKW
4 $! . $ & %b > ? A. +B@ D .> @ -
! @ - AD C - ? E - A@2 *- A@D +B@ E AD A B B G - > - >AD ? @
" A. +B@ D@.C@@ - I> , +G2 A@A@ 2 @+
A@S+ + - +B@ E@ + - +B@ @ - AD .C D@ - C ,
- - A,G & - - (A @C+ A > + - ? CG > @
A - ? @ JJ, + - A +B@C@ , - +B@ A - + - A - E@ A. JC - Y
D> @D EG @ - AD - J@C + - A2 +@C +B@ E@ + B E@@A ,C@ DG
- E+ A@D
CS== - C$!!,) 0 & ' ') 0 S =KO AD + C - , @ - >AD@
? D2 +B + - A DD@C ? G,,@ .C - >AD@ OPQQ +
1$,!) 10 8;PKM(;K= 'B@ C . ? @A+ - +B@ F - ? @
B@ +@D AD +C A@D . A@2 D - @ ? U@ @ - AD@ " - AG
SMSK A , $ &!& $ 4 , =;; +@ ? - C @ - AD EC@ D ONN
OMLK $, 0 / = 2 7 B@A +B@ @ - AD B@ +@
8 B B +B@ $@D E@ A. A ? @ ,@(- ,D - C , +B@ 8F> C+@C
A +B@ ? CU@+ OQ<< A * C) 1!0 " ' ! 0 " ;= 3 G - +
? D@ - . - - D @ - AD , - +B I ; + &&!! %
$ ') %(;O= 7 @ > @D + - B @ @C+ A D@ C J+ - A -
, - +B - C , @CG J>CJ - @ 2 ,, @D @ - AD , - +B2 ? D@ -
A., B - - , ;KPM " !0 0 ,0 &,0 4 > =KL
B - . @ E - >+ ,E J@C @@U - T @ - AD E>++@C 2
@+ B A. O 0 J@C ,E ,@ +B A +B@ E@ + SKM - V M
$ *0 " & ' > 0 , - 2 ,&' ? ,. (EC U -
I> , +G A@S+ + - +B@ A@ + ? , + - U - C >++@C
= # +B@C2 A - +B@C DD + - A , + - +B + B B B
,C@ DG @S +@D2 + U@A J, @2 E@@A ? @A+ - A@D2 @+
+@A I> , G A. JC - J@C A ? @2 + - D@ .A +@ - A@
B - @I> , - C , - @,G C@ @ ? E,@ +B@ E@ C@C - +B@
A ? @
>N<_ ,0 0 $ ' SS * 4 " , . &!$ + ;NMK " @ +>U B@
@ >AD - >J@ A B AD2 \ - A@ B@ ,+ C@ - C@ - @C AD + @+
;^@@*;@ F , C& - ;Q 7 @, > ? A @C@ +B@ @ >AD
,>, > 2 B@ JC A @ - UA .B+A@GD2 AD , - >C - B@> ,CG
Nbb 7 < ! ,&' 8$ - SE (LN ? - >
EGA.@ ^ " @A a % ,,@D 8 A B +G ? @(+B@ ! @ - AD@ ! , - ? - A
OLK< , ' $*6 & ' 8 CE (MO AD +B@C@ +B B@C @G@
D + ,,@D > B E>AD A @ - +@ C@ 2 A D@ B@C @@ ? @
? - C@ +B) @ - AD - E@ 6 (M 9 & ' ' 0 6S2 +B@ C
E@@ A - +B A. A@ 2 E>+ +B + B B " +B E@@A@ E@ - C@2 B -
C@ - >C EC A@ E@.> ,D2 7 B B , E - C A. - C A>@A+ - A E@ C@
? @ B@ @ - AD E>C+B@A - - C ? @C B ,D S)K= &!! $
8;Q<P(=< A ++ C+2 +B - >2 @ - AD " + A. 2 +B@
5 +@ ,, - @^ 0 A &,. $ 8;KLQ(
% - >,D AG - A@ E@ C +B@ + - CG - @ - AD +G +) A. + U@A
EG - - D@A B - C @W ; ^@ : " ,! %% ? 1!
+ - 3 ! ! - OK2 B@ 3 B E@@A - CC@ +@D +BC - >. BY
- >+ EG @ - AD2 E>+ A@ C,G - A+@ ? J - C CG C E@
C 10
B@ - C ? 2 ,&')) & $! $ 8 - C ,)' $+ ' $ ' $0
- >AD A ! + > .> + A@ AD 3 C - E > 2 AD JJC - S ? +@,G
A % @C - 8 @@ @ \ ! B - C+ $) + +B@ A - + - A
- >C A C + - +,@ 8@ . C &1E SS 2 0 0 S(AD
- +B@C C@@U C +@C
OL<N M & ' % OL 5 - C A &B I>@ +B AD@
6 .@ +B@ @ - AD@ U AD@ SMM : F) +C ! $)
& " 0 - $ 0 K. B + B E + E@ A. + @C@ - A @C+@D A+ -
@ - AD A +>C@ OSQO< : / ' ' - 0 S
8;QLP(OP= " E + B B2 C@ E@ - ? @ U AD - @ - AD Y
+>C@ + - B ? SWO V ' ! 2 (SSS 2 B - @ + - B - ?
, - A. JC + @ B C@AD@C@D +B@ ? ,0 C - , - > - JJ@C @ a
@ - AD A +>C@
- ,&' !%M C @AD B - .C@@ E - ,>+@,G
+B - A@' + +@ AD - J A - A 2 - C - C B - @ @,Y
C@ - A@ C@ ? > B - C - A@' - A
+@C 6B0 $! &(C2 - - W C - AD @C@J - C C - G 8 C +
0 4 (
Nb M J$ a$6N C - $ ' 0 0 ,$ (% " " + %$ %]% B@
? .B+ @ AD A - , E,@ E - AD - C @AD B J2 - @ - AD
@, @ D D - A +C A@ B ? + - ,@AD B @ C@ + - E C @AD OMMP
+ M & - - ' 2 & $!)%&R%. &< ,, - @C + -
G - >C B - @ + - +B A. 2 B@C@ A J,@ @ G - >C @, 2 AD G - >
B ,, J,@ @ ? @ B - ? G - >C @ - AD @, 2 N__ 3 + , !
! ' $ SS 2 + - 3 3 C A2 B@ ? G @ - AD @, 2
AD A@ +B@C B - J@ A - C @ C E>+ : D - ; ^; ! &
& 1$; M " 2 ! - +B@ D ? G &G, D@] ? G @ - AD @,
$ ' %0 , 9&& 9 ! 8Q) O ;SS K O, U@A .B+ / @ +B
@ - AD @, @ +B + @ , J ,, A C@ +
M T " @,J >,2 ,@AD A. + A @ ' 8 ! B ? D+(1 0
XMS 9 ' 0 0 ;; , OQ G C +B@C) - - D ? G
4SVCD (E@ @ - AD + - ? @
1 I> [!) ! @ - AD,G2 A +B@ @ - AD J, @
4 $ + +B@ @ - AD A > @ - A , - 2 - C
+B@ @ - AD + ? @

[illegible]

[illegible]

[illegible]

[illegible]

-0 S 8;M=N(;L; B@C@>J-A D-@ +B@ 5 +B@C + U@ +B + J, @ - X@U @,2 +- E@ JC>A C6G A+@AD@D +B@ , + C@ >CC@ + -A2 AD E>+ @ >AD C ,G - +B@ :@ C@ + +> + -A ;M<N % (0 " 0 (= 0 (P; B@ .-D,G @C - +B@ -? A B ,, @ -AD C ,G J) + U@ - +B +C>?JB ;K;L C$ 0 10 ;P 5@E A 5$ - ' OO 5@E ;SM O A - @ B B JC ? C"G*>D , AD @ -AD C ,G J-, + , ;K<< : 5 ' B A - 0 . &!0 # + MKN B@ C + &C G@C 0--U ^- ;P=<a E @D JC ? C , 2 -A +B@ -,D + A @C @ E--U 2 AD @ -AD C ,G -A C BE B-J "@C? AA' %-A >,+ + -A

!@ -AD C >@!! 8 @ U)D C A@ (^ " / $ $0 i !!a B@ IA ,+G - E@ A. @ -AD CG -C >E-CD A +@

;MQK (,0 0 &) 0 8;MKQ(=K B + +B@A B B J@ >, C AD D C ? A + @ ?> + + U@A C-? +B@ &C ? CGA@ AD !@ -AD CGA@ - +B@ &@C @J+ -A ;KQK

- @ -AD C+A@ +- +B@ -E*@ + - B@C ,- @ i 2/$ 0 1 0 ^) $0 N" c V G) .

;P=L < 6 &' '($ "' ;OQ @>@C+B@,@ @2 +B A-+ , U@ +- E@ +C>@ EGD >@C C@ -A 5GC +2 +B + ^@+ a !@ JAD C@,G +B + ^@+ a ;PMN $!$' !)1 ,0 OOL B@ .C@ +A@ - B - @A C + +- -D AD +- B 9 CU !@ >AD C, @ +- CD@ ?@D- ?@C +@A- ,@ ;PMQ < .) 7 > 0" 2 0 MP= $@AD@C +B-> .@A BG + @ .) @A , @2 EG E@ C A. C +2 AD @ -AD C,G B@A ; >.B+ +B C@EC AD C-? +B@ , ?@ ;QQ; ' D0 $ 10 LL -D E,G AD @ >AD C,G A+@C @C@ A D- A. *> + @ +- +B@ AA- @A+

2 8 @ UDAD C (2 $(AD 0 , -= P @ -AD *)@2 @-->AD C @2 @ AD C 2 CG@2 = Q @->AD C @2 = K @->AD CG2 P Q @--A D C 8@ ^ D ,)' 3) - +B@ @ -AD , -C I> , +G2 ,)' 3) @@) 2 AD" H % C(,&' $ 8;LQO A " +X / C? (2C50 ,)'3 $!(!J 2 &. ,)' $ " +2 ,&' $ &0] 0 $ BH

(O@,-A. A. +- +B@ @ -AD , A C@ J@ + - D .A +G -C ?J-C+ A @ @A+ +,@D +- -A D@C + -A -A,G A +B@ @ -AD J, @ , -2 AD > > ,,G2 > ,@ JC@ @ @A @ -+ A +B@ C + , A-+ B @ -C JC A J , - ? A-C ?J-C+ A @2 >E-CD A +@

;LKM '$'$.&% $; B@C @ D @C@A @ E + GS E@ JC A J , B- @ AD E@ @ >AD CG B- @ $;L<M ^ 7 ' . V ' ! > &' A "-C +? 0 &!! ;QK 5-C :VZ ->@C@GA \ ;)@ @A , ,-G@ @ A ^8 @a ,> @ - . -D A D ^ @a @ >AD C @ @ A -??>AGA.@ P E@B ,DGA.@ - >A.@, , ;=LP &!& 0 $* ' ( ) A ' ! $ 4 LP= OQ ! B@ -aV@C@ @S@C @ B> E@ D@?GD @ >AD CG@ AD ,@ @ -C+B ;PLM C ! 0 C 0 87 D@ 7 ;PL;(;L; B@GC ->+ CD@ , E->C A-+ +B@GC JC A J ,, @A+@A+2 E>+ + -A@,G +B@ @ -AD CG @A+@A+ - +B@GC B C +@ $/JA = &'%) (' $! 7U =<O L B@C -C@ +B@ @ > @ E@ E>+ D >?@D AD .@ @D +2 AD @?@ E>+ @CG @ >AD CG ;MLL A !& *0 ((&- -0 JJ =QK 1->C C@I>@ + A +B + J C+ >, C -?J A @D +B -?@ @ >AD C @ C@ J@ +@ A-+ +B@A ? D@ UA- A@ >A+- > ;QLP : &' ? 0 $- ;P B A. 2 J>C@,G #CA ?@A+ ,2 C@ A- ?-C@ +B A - @ -AD CG %-A D@C + -A $>&A B 7 0 .0 C)+ B- @ @ -AD CG .--D +B + ? ,@ -A @ C+B2 "@2 ,- A. A P J-C+ -A2 ,- @ A J@ @ ;Q<M = - 0 < & 0 9 @ -AD CG J- @C C@ +B- @ - >CU@G2 !J A2 "-,, AD XK-X . U ' . 0 $ 0 $ 8@D O(OLL AD +B@C@ A- @ -AD CG ?-+ @ -C +B + B2 +@, ;KLK < B ' 0 " - QK 7 B@A +B@ -CD -A+ A + - -C ?-C@ G,, E,@ +B@C@ - $" E@ @ -AD @A+W+B 2 - ->C @2 ?> + E@ >E-CD A +@ +- +B@ C +2 AD -??-A,G ,,@D +B@ ,&' $ "$,, ' 0 ;KMM < 0 &! SSS * !-?@+B A. +B + ? D@ +B@ +BC@ + -A,G @ -AD CG , C? ;K<< ' <!& 0 ?& (- ,&' $ " >E-CD A +@ ,&' $ "$5 (+B- @ JC- @@D A. C-? +B@ ? A S ;<NK $ 7 #) 1 , ;O O@ D@ 2 +B@ C@, . -> D >,+G -A,G @ -AD CG2 @CG @ -AD CG ? ++@C 2

% !@ -AD E@ + - +B@ @ -AD .C D@ - I> , +G ;=OK 0 0 6 !! 8;KKO(KO 3 G $> @+ % AD@, +GU@ 2 AD ; J C@ % AD@, +@U@ @ >AD C @ A@S+ V-- ;PNK A *&' 0 , LLN 3 G @ -AD C @ .- A@2 ;PM= !! = ' 0 0 (8!>C+@@ ;KLP(OOP " E@ + D>E, ++ S* @ -AD C+ D>E, ++ *T A-+B@C J GC@ - B- @ *T -A@ -,D D>E, ++ *D ;PKN . B) 3 .) 0 & 0 ,SSS QQ U@ - 3 CSB @ -AD C @+ - J->AD ^@+ a ;MN; ' . .) SSS " , =QQ B@G J>+ @ >AD C @ @C? ,, -A A A @ C+B@A J-+

T %2 # ,- @C U AD @A+ +,@D A ,- @C D@Y .C@@ +- +B@ JJ@,, + -A 1 0

+ ,&' $ " 2 % 8 JJ -A,G A 7 G , (+ -A >E A@ ;LKL 9 . 6 < '0 SS M) - +B@ -AG -C -+B@ -) +B@ @ -AD CG@ G>@ ^ >,. ,&',)1 '$- - B@) + 1 0 < '(SS O=2 6) L;2 &' &!0 Q ;QKL : 8 &-* ' 0 $ 0 0 ! 0 O= !@C A+ A ? ,@ ->.B+ +- E@ -A D@C@D @ -AD CG B ,DC@A2 AD B @ D>@ A +C> + -A ^@+ a ;QKK < ,!((S, LKO 5C-? +B@ .@ - >.++ +> +- +B@ +@A+B @A+>CG2 +B@ > @ - +B @ -AD CG ? CC .@ -A >E A .@a JC@Y ,@D E-+B A +B@ 7 @ + AD +

i D # A- , !@ -AD A C AU -C + +> # *>D.@ -+ B @ -C JC A J , f&> ! $(E

, ;=PN A >A. @C "&' 8;K=N(LLQ B@ @ >AD CG JC@ +@ B , @A @ +B@ GC +@2 AD +B@ JC A J , @A @C - +B@ , G EC@+B@CA B , @A @ +B@ @GD @ >AD CG JC@ +@ +BC@ +G ;=PN &!! &%C$! 0 ;) O ,E@C+ 3 ,+- 2 @ -AD CG O C-A - >C@ B) > @C ;P<< A !+ bTD C$,0 10 ; 8;MLL(Q +B@ D :> + @2 -C + A+2 AD @ -AD CG ,> + @ B ,, D@J C+ @+@ a ;MNQ A - " C$* 8;KPL(<M 7 +B B ? @ -AD C @ ?@A ? B C.@2 -A@ ? +@C &B , J < %%$ 0 ;MLN 9 &)L' 0 8;K=P(=L; ! C : -BA 7 B DD-A , - @ -AD CG :> + @ - +B@ 9 A. O@A B

-

@ # J@C -A !@ -AD C +@ $ / $ A> ' <) 8;KQL(L=< !@ -AD CG ?@A2 ?@A - + ,@A+ 2 ? G E@ ? S+ >J , U@ A J-+B@ CG' JC@ C J+ -A $ JO - $ (&' 0('*0 '$ = ' 3 7U ;KPL ;=K "@ ,, A@ @C A @ ? A +@C B- A-+ + U@A C-? +B@ C AU A@ @C ? A - .@A > 2 A@ @C A B-A@ + ? A E>+ @ -AD CG AD J, > E,@ ;KLM] &?@) *$ $(*(& '$5$ 0 E D =OM O - C +@C - ,-C D JC- @ @ @C ?-C@ +B A @ -AD CG J-@+

!>E D CG2 >S , CG +B + > @D -A,G A +B@ @ -AD C@ -C+2 -C +B + @C @ +- + -?@+B A. @, @

;QP; . - (? OO @CG C Bp D->E,@2 +B@ C +2 E> ,+ +B .C@ + O,- U - &-C+, AD !+-A@2 - @C B B +B@C@ A-+B@C C B E-AD@D A +B +B@ >AD@C @? C >, C C B O G ?@ A - +B@ @ @ -AD CG C B@ @ @CG C B - 7 @ +? A +@C OC D.@ E,@ +- + AD EG + @, L A 7. ' -0 ? & (8;KNL(OLO & CC-+ 2 A@ @C , ?E A-C C@@J +B->+ +@A A. EG +B@ E ,, +B +B +B@G E@. A2 AD +B@G > @ +B@ C @@+ -A,G @ -AD CG A +C>?@A+ - ?-+ -A L A # ' $-*($ (A) 1 , L; #>C @ -AD CG .> D@ AD ?G @, 2 +B AU A. +B + @ ->,D ? A .@ +B@ +@C ,JJ@D A+- ->C A-@ SKM , "!) 8@D O(2)**! , <;M %2 (@ -AD CG B-C> - ++@AD A+ +> ,,G JC@ @A+ ;KQ= 8 0 " ;LP -E@ >+ +BC->.B C ? ,, @ -AD CGUA @ ;<NO ! . A % ,",!0 ? 0 44 ;O= ; !@ -AD CG E @ 2 -C - , A. + + -A 2 C@ ->C @ - ? C + ?@ +C@A.+B A JC-J-C+ -A ^@+ a

;) 6 @D +- D@ .A +@ J>A B?@A+ -+B@C +B A J + 6

;KL; '0 0 !@J+ ;KP - B@ D ,+G @ -AD CG J>A B?@A+ ?> B A C@ @D EG -E @C A. +B + +B@C@ A-+ -C? - ?A B?@A+ B B A-+, E,@ +- -?@-E*@ + -A

+ " A. -C + +,@D +- +B@ @ -AD J, @ A A @A>?@C + -A2 1 0 $ 0

$;7_\(+C - $ 0)!, @+ PK m A>?@C +@ +BC@@ U AD - B @?-CCB- D # B Ba (V@ @ >AD CG m @ +B@ @ -AD B CD@ + +- >C@a C S, =Lb)) +C ' 8$-,, (" OQL "@ J>"@D@ - +@E @ @A %& * > @ B@ C +@ > @ -C m@+ a B@ > @ @ -AD CG -C B@ ?G)B+@ A-+ E@B-,D@ -?@A +B- +@ -A >J @A @ B@ +BCGDD@ > @ ^@+ a

E I> +9 @b A +B@ @ -AD J, @ 8A A @A>?@C + -A2 C.>?@A+2)@+ (@ -AD,G 1 0 &@C ,2 >..@ +@D EG ?@D ,)' D 2 ? , C,G> @D ' &!! &%C$! 0 LNN O 5 C + +- -DD@ J,@ >C@2 @ >AD C @ -C G->C - A@ >@C+@ AD -C +B@ +B CD +- +B@ >A @C ,, @,@ - +B ,@AD %[PLO / > 9 ' & 0 0 A C$! 0)OK !@ -AD CG2 ,&' - ' 0 S)K ' !$' ;; e ;= ;<P 7 @ SAG.B+ 3CGA. +BG *+BGA.G +- @ @ +@] +B + G +- G2 +- B >@ +B@ G+ ,@ , - +B@ $- ? GAG +- E@ +B@ -??GA , B@C@ - A.,-AD *+B AD2 @ -AD CG +B + ^@+ ;

O@,-A. A. +- +B@ @ -AD -CD@C A @C @ C@Y , +@D EG > @ C @ D@C + -A2 > + -A2 -C D@) J@AD@A @ D@C @D C-?2 E @D -A2 -C D@J@AD@A+ -A -?@+B A.@, @ B B JC ? CG A-+ -C . A ,2 D@C + @

,&' $ " ,$) H JC-S ? +@ -C A +C>?@A+ , > @2 > @ JC-D> @D EG JC ? CG -C C + > @2 8 ,C > @D A @A @ S(

$JO 3 ?$ 0 C 0 0 2 8;=<P(QM "@@+- %-,D@ / CG@ AD 3-G +@ E@A ,,GD +B@ GC +@ I> ,U@@ B@G E@A , - ,,GD +B@ JCGA J , I> ,G+@@ 2 -C - +B@G? -?@ ,, +B@ @ >AD CG@ @ @ +@ ;P) %0 C && ;L 7 C->.B+ EG +B@ JC A J , > @2 AD G@+ EG +B@ - @ AD ? A +@CG - -?@ @ -AD CG > @ JJ- A+@D2 -C +B@ ?@ @ ;PKL B ' $ 0 1) 0 ;; P< 7 @ . >@ >A+- -D +B@ E@@ @ + +C-U@ ($. -+B@C C@ +>C@ E@ A. E>+ +B@ A +C> ?C + ,,2 -C @ >AD C @ > @);M=P ' 8 .. 0 8;MPP(S KM ? AG ?-+B@C , A.> .@ 22 E@ D@ @ -AD) +-A.>@ AD D ,@ + 2 B B @S @@D +B @ A>?E@C - +B@ C ?-+B@C ;M=M L 8 C) 0 *0 SS OMK A +B @ -AD CG AD G?E-, ,, @A @ + ? G E@ , ->AD@CY +--D $K/>% ' . C -0 0 $'0 8;MQQ(OM B@ @Y -AD CG -C . A + -A - 3 AU AD2 -C +B@ JC-D> + -A - +B@ AD D> , EG .@A@C + -A2 X) < ' ($ 0 MO ; @ +B@C D-), C@?@?E@C +B + ;B @ @@A ?> B - + ^C %A@C- +Ga A AG 3-C , C@3)2 E@ A. J@CB J E>+ >J@CY ,,G B AD,@D2 >AD@C +B@ -+ -A - _0 @ -AD,G AD D@C Y + @ C+>@ ;QQQ . $ 0 * 0 8;QKO(S 2 ;=M ,, @ -AD CG > @ A@ @ C ,G ,@ D > +- JC ? CG -A@ S)K < ,!0 0 S, S N= # +B@ @ J +>C@ 2 +B@ C .C@ +@C J C+2 +B@ +C A C J+ - B>? A J@A "2 ->,D -A,G JC@+@AD +- @ -AD CG , U@A@) ;) N . . C ' ,(< &!0 QM %-A A @D - +B@ >AD@ + A. >A -C? +G - @Y -AD CG > @ 2 B@ D@+@C? A@ +B@ JC-E E , +G - ->A+ +C A ? ++@D +- B ? - -C?@C - >CC@A @ ;KQQ - C $, > 0 . 0 ? & 0 ==N O B@ , +@C +>C@ >J-A %@C A +B> >??@D >J A +B@ -,,- A. JC ? CG AD @ -AD CG >+B-C + @

E " A. -A,G D@C @D >+B-C +G + A. >AD@C +B@ D C@ + -A - A-+B@C2 >E-CD A +@ % D [MMQ = . C 0 0 3 KP= B + @ @C@ -C?D +B@A + +B-> AD +B@ -CU # @ -AD C @ B AD 2 EG + U +C A @CD 5C-? 5 +B@C +- B !-A [KM< U 0) . " OPM + D->E+ >, B@+B@C +B@ J@-J,@2 +B +B@ C +C-A. J@CY -A , @@, A. +- CD +B@ C - J-D C2 ,, E@ + @D +B JJ,G A. +- @ -AD CG .@A G

C (JJ, @D +- +B- @ I> ,+@ @ + -A - , D @ +B + @C@ >JJ- @D +- E@ D@Y C @D C-? +B@ ->C TJC ? CG I> ,+@ C@ -.A X@D EG C +-+,@2 B-+2 -,D2 @+2 DCG 1 0 @S (=1>+ JJ, @D +- +B- @ JC-J@C+ @ -C I> ,+@ - ? ++@C 8 > B -,->C2 ?@,,2 + +@2 @+ (B B C@ EG - U@ AD -+B@C D +A.> B@D C-? TJC ? CG I> ,+@ A-+ @S +A. 8, U@ +B@ , ++@C(A +B@ E-D @ +B@? @, @ AD@J@AD@A+,G - J@C @J+ -A2 E>) D@J@AD A. >J-A +B@ +A- +B@ JC ? CG I> ,+@ -A +B@ J@C J @A+ % $0 9 0 =$+ $% I . 0 C !& (&, (&! S" 8;MKQ(L) O@ D@ +B@ @ JC A J , @ + -A +B@C@ C@-+B@C

@ -AD CG2 B @ ,G -?J@+@A+ +- B-?-.@A@-> 1& (-?@ J @2 -?@ + @ 41+ 99 . 0 & - A)$!0 =L B@C@ C@ ?J,@C AD ?-C@ &C ? + @ @ + -A - 3 ++@C2 C-? B B +B@ @ !@ -AD CG F> ,+@ 2 ? G - ,, +B@?2 D- D) AD XG-- 4 #%9) -(E' 0 ;; e ;N 8@D =(M; !> B 8F> ,Y +@ 2 B B2 A +C>+B C@ A-+B A. A +B@ #E*@ + +B@?Y @, @ 2 E>+ &- @C +- JC-D> @ C -> !@A + -A A > EG +B@ C JC ? CG F> ,+@ 2 @ EG +B@ O>,U 5 .>C@2 @S+>C@2 AD 3 -+ -A - +B@ C A @A E,@ J C+ 2 %-,->C 2 !->AD 2 + 2 \ B@ @ ,, @ -AD CG 8F> ,+@ XK M - ' ($* 0 ;=M ?-A. +B@ @ -AD CG I> ,+@ ^- ? ++@Ca C@ , @D B@ + AD -,D2 -,->C AD ->AD2 + +@ AD -D->C

D +C ,&' $ " -& $1! 5 AG - +B@ T ?- E,@ " @S @J+ +B@ JC ?>? ? -E ,@ =&1 0+0 Q ,&' $ "*!$ ' +@,, +@ B B C@ -, @ C->AD JC ? CG J, A@+ F . O(2 ,&' $ " " - >E-CD A +@ G +@?8 -?J- @D - JC ? CG J, A@+ AD + +@,, +@ (+B A +B@ -, C G +@?

$%%& 8 5*0 C !& 0 &C@ = B@ !@ -AD CG &, A@+ - ! +>CA AD :>J +@C [M<N !@ -AD CG ?- E,@ ^ @@ = 3R . 10 Sa ;QKM) . &'0 L< @A -+B@C 2 ,,@D @ -AD CG J, A@+ 2 -C +@,, +@ 2 B B C@. CD +B@ C JC ? C @ +B@ @A+@C - +B@ C ?-+ -A SKMK <) !! - '> $ ' 8@D L(OLQ B@ @ -AD CG G +@? - B B +B + ^ X +B@ !-, Ca G +@? + @, -?J- @D ;KMK] ! -0 & 0 e ;M 8;KQ)(KK B@ 3--A -A@ - +B@ +@,, +@ 2 -C @ -AD CG E-D @

@ ,&' $ " , ,! @-? AD +C 2 .C@ + C ,@ J A. +BC->.B +B@ J-,@ - A-+B@C .C@ + C ,@ J@CJ@AD >, C +- + J, A@ @@ , - C L ,&' $ " ,$) , 3 +B2 8 @@ I>-+ ;KPQ(

;QN= : ' 50 , '0 2 !@ -AD CG % C ,@ ;KPQ . $ 0 C$* 8;KK<(" " :)Z @ -AD CG > + -C -C+B-.-A , +C *@ +-CG - +B@ C@ C +@D C G 2 @ >C @ B A. +B@ > + - C + @ -,>+@

I ,&' $ " 1&2 -C $ '1&2 C AE- -C?@D EG C G + @ A+@CA ,,G C@ ,@ +@D EG +B@ C A DC-J > > ,,G2 A ->+@C AD A+@C E- J C ,,@, +B +B@ JC ? CG E-

[Q<L B 7 A C !0 $' 0 4 4 4 S A +B B- @C + - JC ? CG C AE- JJ@ C@D2 +B @ -AD CG E- +- @ B ;KP< * , 8;KMM(OLM B@ !@ -AD CG $ AE- B@ J @ E- @ +B@ JC ? CG C AE- 2 @@? D CU@C +B A +B@ C@ + E@G-AD +B J @ JJ@ C EC- D@C E>+ A+@C C AE- +B@ -,->C - B B C@ A C@ @C @ -CD@C +- +B- @ A +B@ JC ? CG ;KKL $2 " . 0 & &!0 ONN B@ @ -AD CG E- 2 JC@ @A+ A. +B@ JC ? + -,->C A +B@ C@ @C @ -CD@C +- +B +*> + D@ C E@D

. " 0 F CG + ,, A@ -C? / @C + @2 A-+ JC ? + @

4KNL 4Q $ # $ 0 ' 0 8@D L(;Q= B@ ? AA@C A B @? @ -AD C*C CG + , ? G A- @ @ A ? .A +>D@2 AD

Q -0 8@D L(;OO B@ @ -AD G 3 ? C@ >JJ- @D +- C @ C-? D@ C@?@A+ - *J CC ,@ + U? .J, @ ? D @C@A+ @D.@ AD A.,@ - +B@ JA?B @ -C?

B ! , 0 # >CC@A+ AD> @D "@A @ - JJ C +> 2 @+ &@ + A A. +- A AD> @D >CC@A+ , - ,&' $ " 1$ "(+-C .@ E ++@CG D Y + A.> B@D C-? -A@ A B B >CC@A+ JC-D> @D X\=L $: < 3 " 0 ! '0 0 SSS =OL JJ, @D +B@ @ -AD CG @,@ C >CC@A+ +- +B@ J C+ @ +@D2 ,;KMP : 9 .) A ,0 0 OPL O B@ @ -AD CG C@2 +B + ? B B >CC@A+ AD> @D EG + JC-S ? +G +- +B@ JC ? CG -A@ ;<NO : - . 7 A 'd",!0 4 4 Q ; A -AA@ + -A +B +B@ .@A@C + > + , ?- + +B@ A C E,@ > +- ? +- J>+ D- A @ -AD CG E ++@CG2 +- @A E,@ +B@ >JJ,G +- E@ . @A @X +B@ @A. A@ B +-JJ@D

- 0 JJ, @D +-) @C, ? +GJ@ - -C. A -?J->AD B B C@ -C?@D C-? -+B@C EG @CY + A D@ A +@ JC- @ @ - C@J, @?@A+ !@@ , - . !) ! ! @+

;KMO = . . ! -(-0(0 8@D O(=O; B@ -C? + -A - @ D G ?-A ?D@ ;KQM ',",!(? 0 PMO O B@ -?@C , -B-, - +B@ JC@ @A+ @C @ A +B> E@ -A @A Y @A+,G , C @D ; &C ? CG , -B-, O @ -AD CG , -B-, 2 L) @C+ CG , -B-,

* & &!& "0 ! D - >E D CG D@JC@ -A + U A. J, @ -A +B@ E-CD@C - JC ? CG G ,-A@ % O ;N

;KQM $2 " $ $ QM + A-+ - +@A2 B- @ @C2 +B + @ AD +B@ @ -AD CG D@JC@ -A - ,@ C,G A CU@D A . ;P

! E O@,-A. A. +- +B@ @ -AD -CD@C A @C @ - >ED -A -C C ? + -A %B @ ,G ? &!0 ;Q<M 7C " $ $C ' 8@D) QKN 5C> + + -A A@ C +B@C E- +B@ OD CG A. KMX . $'0 ?& 0 ;<L 7 B@A +B@ ,-C , S +B> EC A B@D2 + E@++@C +- J@ U - +B@ ? A S +B@ JC ? CG S 2 + D -A +B@ @ -AD CG S@ 2 AD +B@ CD -A +B@ +@C+ G S@ ;KKL ' B L . C $, 0 ? &!(S 2 SPQ B- +B@ B C @@A +-, @ - @C@D - @C + B-,@ >A @ +B AA>?@C E,@ @CG A@ @ -AD CG B ?C +B@ @ C@ B-C+@ + A@ C +B@ E @ - +A@ JC ? CG B C

-C E O@,-A. A. +- +B@ @ -AD + .@ A JC- @ - -?J->AD A. -C -?E A + -A -A + A. - + - JC ? CG @,@?@A+ ,&' $ " ,&!&) @@ . B ;

;KNQ -0 8@D L(=MQ O G +B@ +@C?@ !@Y -AD CG %-?J->AD ?@ A+ -?E A + -A - , E,@ E @ -C JC ? CG -?J->AD +B @ B -+B@C 1 0(B@ @ -AD CG -?J->AD ? G E@ CC A.@D >AD@C +B@ @ -,,- A. @ , @ [KL[8 * , M< AG ? SY +>C@ -C -?E A + -A - AG - +B@?^SC JC ? CG -,->C a C@ ,,@D @ -AD CG -,->C ;KQ< $!!G , '( ),0 ;QK S B@ JC ? CG -C ?J,@2 AD +B@ @ -AD CG -C ? S@D -,->C

P 7 +B C@ @C@A @ +- +@?J-C , @I>@A @ &@C+ AY A. +- @ -AD J@C -D -C -AD + -A - +B A.

[illegible]

/' A' D E JBC @ Z ' ,&' ' C 8+' , -'
$' '-C'$' ,& ' $' ('&'' ' ,&' ' $' >' ' 8+-'
E>GZ C@ @ @Z ,@ CAZ @+ (' C-?' A-+B@C' +B A' +B@'
?)@CZ -C' -C . A ,' @AD-C' 8-' .--D (Z -C' +B@'JC '
? CG' ->C @'8-' A -C? +-AZ @+ (' A'+B@' ,K+B' '

[illegible]

"@A @' !- -ADB)D\@ ' , -'= $ ' !@-->D'
B >D A@ Z JJ@ C A @'-'E@ A.' @ -AD B AD

[illegible]

!@ -AD' . +
%$' ' >JJ- @D' J- @C' EG B B'- >CC@A @ ' >'+B@'
>+>C@Z-C'+B A. ' +' "D + A @' C@J@C @ @D' '+B->.B'
+B@G' @C@' +> ,,G' JC@ @A+

[illegible]

;

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

;ML< F " ' L L ' 7 U ' ;KL< ' ' * D'
@ >, C'., 2' '., '+B +' ->,D'C>A' A' .@ +' ->,D'A-+'
E@@>V>.,'+-'8@,,'+B@'.-D,G'? A' B +'B '+C@ >C@ ' ' ;MQ;'
: ' '%_R_' AD'+B->.B'B@C'E-DG'D @'B@C' ?@' >CY
@ 2' ' @ >, C'E CD' .@'-', @' ;K=Q' " ' C& - '
!,- >C@'OC + A'' @ >, C? .B+' ;KPN'8 !0
* '' -0'S, 2' ' B ,,'E@'+BG'? +@'A-'?-C@2' B-" -,,- A.'
+B' A'>J CD'? AD' B@' -AD@C'+B +'B @' -?@'+-'+B@@2'
BC-' ,,'+B@' @ >, C'+- E@' ;KMK <8! ' $ -0' ,(' '
8;KQ;(' ;NL' B@' ?JC- @?@A+'-'? A' ' @ >, C] A-+'+B@' -CU'
-' A'B->C'-C'-' 'D G' ;KQN' M ' '-&' '-"'?. 0'!@C''
8;KQL(OPL' 7 @'@A G'+B@' @ >, C',@ >C@'-'3@+B> ,@B' ;KQM'
$'5'+, '<& !!$' 0' 'LM' '@CA' @,D' >CC->AD@D'EG''
-C@ +'-' @ >, C'+C@@' ;KQ<) ' $ 0' '&'. "'
;KM' 3 AU AD'->+, @' @ > C' A?- +@2' ' ' A.,@'? A'
U@A 'C-?'+B@' J -A'-' 'D G') ?' + ! ' - 0'
&-- 2(' ' ' S 'MPL' B@' @A+C J@+ ,' -C @' C@' J@CY
? A@A+' AD' @ >, C' -C @ 2' -CU A.' C-?' .@'+-' .@

2' A' @A+ '> @2'-'JC- @ @'-' B A.@' " A.'
'J@C -D'-'@A-C?->',@A.+B'' -A+ A> A.'+BC->.B'
:-A.' .@' $ (%B @,G' -' B A.@' A' +B@'
-CE +'-C' +B@' J@C -D'-'C@ -,>+ -A'-' +B@' J, A@+ 2'
' A' ,)!$ '$,, ! $ & ' ' D)$! " ' D)$ &' '
$ $ &'0' B@'+@C?' ,)!$ '$,, ! $ &' ' ,)!$ '
$ $ &'' @C@' -C?@C,G' , -' > @D'8 +B' C@ @C@A @'
+-' +B@' @A @' @A+>CG ' -' ' $,)!) -+' -C' +B@'
?->A+'-' B A.@'J@C';NN'G@ C ' ? , C,G'%' ,)!$ '
* , &''8 @@' I>-+' ;K;O(

;KN[' &' !"' 0'4 4 4 'PLQ' 3 '/@' '&, @2' ->AD'
+B@' @ >, C'@I> + -A'-'+B@' ?--A'+-' E@' D>@'+-'+B@' + -A'-'
+B@' >A'-A'+B@' ?--A' K '9) B ' &'(' S'ML' B@'
@ >, C' JC@ @ -A2'+B +' 2'+B@' >?>, +@D' JC@ @ -A'-'
;NN' G@ C ' A (M' . 6 ' $ 0'C !0'8;K;<(' " 'OQP' A'
+B@' -CE +' - ' 3 C\'+B@' @ @A+C +G' 'D ? A B A.' B@'
@ >, C' C + -A'-'+B@' .C@ +@ +'@I> + -A'-'+B@' @A+C@']'
LQc' ;KL=' = ' 3.. ' &'' 50'C." (' 0' '8;K=<('
;M !@ >, C' A@I> ,+@ ' KM' . ' $ ('C$* '8;K<N(
' POO' #A'+B@'!@ >, C' @,@C + -A'-'+B@' 3--A'' 3@ A'
3-+-A

E' < &!0"' C " ,$!' < & 0(' & & 0(' @+
% << ' .. 'C ',0'< &' ,- 2' ,)!$ ' % $ &'('
+B@' J@C -D ,' --,A.' AD' -A -,D +-A'-'+B@' .,-E@2' C-?'
'>JJ- @D'-C'.A ' + +@'-' ,>D +G' C-?' E@ +' ;ZR9' T' '
, 0' 5* 0' 'SS6' ' ' @ >, C' @,@ + -A'-'+B@' - +Y
,A@' KMS') ..' $ -0' 0'S '8;KQ;(L<N B@' @ C+B''
? .A@+ ' -A ++>@A+' C@'.C D> ,,G' B A. A.'+B@ C'D +C E>Y
+-A' B ' B A.@' ' @CG' ,- '++' '+@ BA ,,G' ,,@D'+B@'
@ >, C' B A.@' '% M_' " ' : " '? 1!' $, (S '8;KQN('
LO- B- @'.C AD' @ >, C'+D@' B B'B @'J>A +> ,,G'C@ >CC@D'
@ @CG'+@A'+B-> AD'G@ C ' % _=']') ' ' ;QM' B@'
@ C+B' B ' +' @ >, C' @C->' ' ,,' ' +' AA> ,' A '
(' 'C " 0'< & ('>b< B@' -A+C + -A'-'+B@' .,-E@'
D>@'+-' @ >, C' --,A.' % _ ' $ 'L;O'
AA> ,' AD'!@ >, C' C + -A
O ' 10

' '#A@'-'+B@' @ >, C' ,@C.G2' 'D +A.> B@D'
C-?' ''C@.>, C'-C'?-AU
,'%=&R? . 'OONP' A' 0' ' 0' ';M<' @'B@-' +C@J+@A'
-'B ' ,-A@ 2 , E->@'B@-'->AD@'%,@CU@A@' ,-A@ 'AD '
3-A@U@A@' E +@' +B AA@' !-'(V+'E@' ' '3-A@U' +B '
AA@2' AD' @ >,@C' +B ->+@' >c<<R $ ' + &'('
8;KSN(O=L2' \' ' B-' AA@' ->C' \' +G' @C@2' -C, @D'
+B' 7 GAA@2' A>AA@' AD' @ >,@C@2' %4=PN 0') 11 '
8!>C+@@ ('MOLN' "@'B@,J D' @ >,@C'+-'J>++'->+@'5C 'B@'U CU\'
AD' ?-AU@'D@>->+@' @++@'B C@2' + &'(' '
! ,$ '!'OQE2' B@' @ >, C' AD' CG@C' ->D@'A-+'+B@C A'
.C@' 1 0'L<0-+B 2'@ >, C' AD'C@,G.G-> @' +B'DG>@C @'
-+B@C@SJ@C+' ?@AA@' + SM<K ' & & '
A' m;QON(=<3-AU 2 B-D@ J @D'+B@ @++,@D'%,@C.G2' AD' ,,@D'
+B@?'!@ >, C 2. A.'+B@'? @, @'+B@' .,-C-> ' +,@'-'$@Y
,.-> ' ' ' I' + ! &!"' &-0' -*0' '8;KQP('MQ' AY
D@ ->C'+-'EC A.'+B@' @ >, C' A+-' '?-A + ' ,@2'

E' ':@ >+' , G'EC-+B@C
%M]a'$'+ 9 ' 0' * ,0'%R B@'-+B@C' @C@' '+B@'
!@ >, C' ?-A.'+B@' :@ >+@ 2' AD'$ ') '+B@'!@ >, C'D-('
J@C -C?'+B@'% ,,'J C+'-'+B- @'$@,.->'!@C @
' 8!@@'I>-+(
((B ' 0') (' ,)!$ ('+B- @'>A-CD A@D'- Y
+@ ' AG' +B@DC ,2-C B J@,2' B- @)' >A + -A' C@' -A'
A@D'+-'+B@' - ,'D@J>+?@A+'-'+B@' B- C
/ ' #A@' B-' '@A. .@D' A'+B@' C'-'+B@' -C,D'
'D +A +' C-?' +B@' B>C B' ' , G? A
>c]RR' *&!0' &!!0' - 'E'A@', 2 ,@CU 'JC-JC>A'
+-'B@? ,'+@?J-C,' @,@C@' ,'%]=b' 0' $ "'8
' ' ' ' A' '!$' ';LP LN' " C' D@C' AD'?-D,C2'
? A@C' '-' @ >,@C 2' -,D@'B >@'C G@D'B C' E'D@,G' +@'.C'
?@A+' '5E'# ' 0' ;,P L' B@'?-AU@'+B +'.--A'
->+'-'+B@GC' @,,@'G'+B@G' -A @C @',-A.@' +B' @ >, @C'+B@G'
?> +@' A@D@' ,@b@'+B@GC' B-,GA@ @' ^@L'O ' *'&%'
&&!' '8;P;Q(' 'E2' A' ? AG J, @'E@' -?@' ->A @,,@C'
\'.->@CA->C' '-' ->C+@2' ' @,,' @ >,@C' '@ ,@ G +GU@'
' 'F ' !"! '+C' ' ! 0' ,&0' '4;< '$ 00' B@'
@ >, C' -'+B@' $@ ,?@' A' ! -+, AD' C' .,->@CA@D' E@' +B@'
E>C.@ @', ' (M(' ' 0'% 0' "'& '*& 'M B@'
,@C.G'+B->.B+'+B +' '+' J,@ @D'+B@' !@ >, C' +' ? .B+'E@'
D-A@' %_(R &' 0'<$00' '=QOM ,' ,,'+B@' AB E + A+ 2'
' @,,' '!@ >, C' ' D@ + UU' ;L' ' -$ 0'
&' 0( ) !=' ' & '7 U ' ;KPL' 'PMN ;'!@ >, C'D-'
A-+' UA- 'B ,'+B@' U@DA@' '-,D2 >A+' ,'+B@ C'
J +-C',@ D'+B@?'EG'+B@'B AD' AD' B- ' +'+B@?

i' ' ' @A+@AA ,' AA @C CG2' @A+@A CG2' $ 0
G@' (' &!! ,0 ON :>A@'8# " ! (' ' OML' 9 A.' -'
&C> ' ' @++@C'+-'GZ F>@@A' E->+'GZ 6A @C +G'%@,@EC Y
+-A'-'GZ !@ >, C'-' 5C A@>C+' %_RM 1 0'OQ':>A@' 'OMQ'
a_R& 1 0'OQ' >.' 'O=;20=0
!@ A, C ' 8 @',),)X ?(' ^' B. '$/
i' ! 3a

' B@'D- +AA@' +B +' ?-C ,+G' B->,D'E@' E @D'
-,@,G' -A'C@. CD'+-'+B@' @,, E@A.'-'? AU AD' A'
+B@' JC@ @A+' , @2'+-'+B@'@S ,> -A'-' ,' -A ,D@C '
+-A'DC A' C-?'E@,@' A' -D'-C' A' ' >+>C@' + +@'
' ' '+B@'A ?@'-' 'D@ A+@,G' JC- @ @D' G +@'?-

E@, @ 2'JC-?>,. +@D'EG' ':'"-,G- U@'8;K;Q ;<NM('
E' A' D@C' @A @2' 'D@A-+A.' '?-D@'-'+B->.B+'
?-C@'-C',@ ' ?J, +,G'B@,D' AD' +@D'>J-A
% b% ':2 (! 9' A' $ &' 'S-'/@ 2' ,,, G,!@ -C@'
+B@'?@@+A.'+B@'JC@ @A+'J- +-A'-'d@ >, C ?' B' +B@'JC-Y
A@ ' L &'j'4 !+'!@ >, C A,'+B@'JC + @D'&B ,- -JBG'
-'+B@'&@-J,@' 1 0'P B@'+@C?'!@ >, C ?'B 'E@@A' B- @A'
' '@SJC@ A.'' @C+ A'J- + @'AD'@+B ,'@,@?@A 2' B B'
+B@'+@C?' T A D@, 2 T! @J+ 2' T +B@ +"D-'A-+'D@JC@ '
^^ : '# ' ') 0' &0' (M' '& 0' B@' @ C,@C'
:>D ?' 'I>+@' A-? ,->' A'+ ?S+>C@'-'?-C "+G' AD'
@ >, C ?' % M& 3 'J ' -08;KKP(' ;QO' A,>@A+' E'
,@ D@C'-'-J A-A' CA'>' . A +2 ?+@C , ?2 @ >, C ?2
>AE@,@'%]':' $ ' ' "'`Z !@ >, C ?
AA-+'E@'?-C@' AD> +C ->+'+B A'%BC + A+G' ,'>J-A'+
-,,- @C'+-'E@' H
/' B@' @ '+B +'@D> + -A2'-C'+B@'@D> + -A'JC-'
D@D' +'+B@'J>E, ' - +2' B->,D'E@'J>C@,G' @ >, C
;KQO)' 0' JC'P;Q' B@' -A -C?@+' B- D - +@'
J>C@'!@ >, C ' A'A + -A.'J@D> + -A'B' @' A'@ @ +' -?@'
D- A'C-?'+B@ C'C@,.->'J- +-A' ,+-.@B@C'
' 8@UQ, C +(2' %(8 AD' 8 (2 ^2
' '1'* .
'#A@'-'+B@' @ >, C' ,@C.G ' @ >, C2' 2', 3)
;Q;M'3' 3 ' ' '(? 0' '&C@ 'MO'# '+B@'3-D@CA
5 A + ?'-'!@D+->'&C@ +'-' ,,'+B@' $@,.-A' A'
>C-J@2' X' #'!@ >, C +' AD'$@.>, C, +'8@+ a
/' A' DB@C@A+'-'@ >, C ?2
4KP4' $ &' 'L'/@ 2 7@'>@'+B@' -CD'!@ >, C +' 'E@ +'
AD +A.'+B +' JC- A @ -'B>? A'D>+G' B B'E@,-A.'
+-'+B ', @2 ;KP<' ' OO' & ,' ' &!0'O;< AD 2'
B@+B@C' .- @CA ' EG'%BC + A'?@A'-C' EG' @ >, C + 2 B,'
@@,'+B +'+?>)' ?@AD'+'> .@' 5@ = 5 5??[[5'
^^ ' A' &') *0' 0':>A@'OO B@'!@ >, C + 'D-@'
A-+'-'A@ @ +G' @C+'AG+B A.'E>+'+B@'J- + @'AD'@S ,>Y
@' , ?'-'+B@'J>CJ- @ 2 +B@'E@A*-G?@A+ 2 AD'+B@'A@@D 2
JC@ @A+@D'+-' >'A'+B@' -C,D'- .B+'AD'@SJ@C@A @2
' A' D - +@'-'@S ,> @,G' @ >, C'@D> +-A 2
SK)'A0' 0' JC'POO' B@' ++@?J+'-'+B@'!@ >, C +''+-
D@C' @'+B@'J--C'-'C@, .->'+@ B A.' A'+B@' B--,
!' $ 1(AD'$**&0 8I> ++) (
% &R - 'L;' : A'< L' B ' B C +@C +' ' ?J,@'-'
@ >, C +' A+-,@C A @' L@I'F <J' (, ' % ' (' '
) 'S ' O<P' 3C' : -E' "-,G- U@2' +B@' @,,?-'
!@ >, C +,@ D@C

' 8@UO C +U(2' 0' K$, *
!'i' a' #2' J@C+ AA.'+-2'-C' B C +@C X@D'EG'
@ >, C ?
(M' -0' 0': A'NL'&@-J,@2' B- @' B@ J'+B@-,-. ,'
,+@C +>C@' , ? +@D'+-'8-C+B-D-S' +C +' AD' !@ >, C +'
J@C -D , ' Z * , $&! &0$ 10'KP;'7-?@A' ,' ?E E@'
@D> + -A'+B@'?-C@ 'U AD,)'+B +' ,'B @'A-'- +@A+ + -,G'
@ >, C + ' J@ +' ;K<<'A0' 0' JC'=MP' B@' @ >, C +'
J-, G'- ' ?E@++' AD' :>,@'5@CCG
2) ? .$ 0']'
/ M Q' / M' 2$ K $ $'
,)!$ ' N$ E /0' ' 2 3'
! ' ' '=T ,)! (1 ' 42
' 2 $ $O/ ,)! % $ O/ ,)!
' '$/' '* !.
' '!@ >, C'*>C D +-A'-C'J- @C' 1(
,'%<R 9 B6' . 0'8;KKN(LKP"-' ' ,(,@CU ('E G@A'
B@?'+-'E@'UGA. 'A'B@C'- A@2'\'C@ -G @A'B@?' >,,@' ?G B@'
A'B + G>G,+@-C @ >,@C+@' ^;' M ' ,&0' '=)K
B +'U CU'?@A' >,D'A- B+'E@' -' G'>E*@ ++'+-' @ >, C +@
/' B@' -AD +-A'-C' I> , +G'-'E@A.' @ >, C2'
' # >J + -A' +B' @ >, C' C'8-A'+B@'J C+'-'
,@C.G?@A(' @ >, C' JC +' -C' E@B ->C' , -'
- ' A' D@C' JJ, +-A' 7-C,D,A@ 2' E @A @'
-'C@, .->'JC A J,@'-C' @@,A.
' J ,) ' -&' $', '8;KPQ(%]_'!@ >,@C+@' ?-A.'
JC@, + ' AD' >C +, '-'+B @+--A'+ U@'+-'B ? ' ,,@'+B@JC- + '
- B C B@2' 59 E>'1 &*0' -& "' LN1->C' %CD,G
&-?J@2' ,>S>CG2' @ >, A+G2' >JJC@ -A'-'JC@ B A.2 SD.-'
0 3 0" '!' -0';OL B@O B-J' -A'&@C -A2'8 B->,D'
E@' Ca' C-?'+B@'JC-JB A+G' AD' @ >, C+G'--+B@C 2 '
" U A.2 ">A+ A.2 AD'+B@',U@' %_(%'6'(9 '
$ 0' ,;2'8;K=Q(OL;' B' @ >, C+G'-+B@' ,@C.G' A' -?Y
J,G A.' +B'+B@ A+@ -+B@'.@';KLP'H0!V 6$_0 * 0'
*&'0 ' 'PL' !,-+B2'JC D@2' AD' @ >, C+G2'B @' C@J+'>J-A'
+B- @'8 ,@C.Ga'+-' B-?'? AU AD' B->,D',-,-U'>J' -C'J ++@CA'
-'J>C+G'AD'B@ @A,G?AD@DA@ 2) IE# ' 'C$ '
C 0' ' 'KN:- @,A2' @@2' 'A-+' +B->+' @ >, C+G '#>C'
&- ''' 11$' A+@A+'@A->.B'-A'+B@'D A@' - @'
E>+'+B@@A'B ->A+O--U]' (?M' " ' & -0' &'D(
2'SS '=<Q' B@'+@AD@A G'+-' @ >, C+G B B'E@ @+' ,,'+B@'
@>+-A '%B->C B@' C-?'+B@'E@. AA A.' (' . $ ('
! 0'OLP' B@C@' ' - @C' @C +' -'B B'+B@' A ? +A.'
JC A J,@'b' @ >, C +G2'-C] A'+B@'J-J>, C' @A @'-'+B@' -CD'
]? +@C ,?

E' G' B C +@C'8-'J@C -A' , ?A.'+-'E@'
A'B-,G'-CD@C (' 1 0' $ YV'
(MM# "$)'N '?*,0';PO'5-C+B@'?-C@' ,@ C@'JC-- @'
-'B@'?@@C@' @ >, C +@2' AD'J>C@'A>,,+@'-'+B@'JC@+@AD@D'
,@ C.G'-' A,, AD2' ' @,,' ' -'+B@C' ,G'C@ -C?@D'
B>C B@ ' ' ,,'B@C@'@S ?A@'+B@'-CD A +-A'-'+B@?
' !@ >, C'-C'A-A C@D' B C +@C' E @A @'-',',
-AA@S -A' +B'C@, . -A
;KQ< C' 0'9 !@J+'PN=' +'+?@ +B@' ?>
C@ ,,G' @,@ +A.2 B@A' >DD@A,G' @' C@'E U' . A' A+-'
?@,@ >, C+G)';<SN' * ,$ &'OP :>A@'NQP ;' ? + -A'
+B@' @ >, C+G'-'+B@'!+ +@' A'-A,G'B@,J'+-'D@.C D@' +
' @ >, C ? ++@C' %B @,G 2'!@ >, C' C '
-C,D,G'J- @ -A'-C'J>C >+
%b(% j ' -0' &'%& - ' 'J'5/ '2' ' 2
! 2 / 2 ' ' '!' ' ' ' $
2j' $$ ' ' ' ' $ 6M]R +$' (' * ,0'
$ 3 $ NM_ 1' ' ' 1 '!' '
/1 ' ' '
Y (' "Q3 ' $ ' $" '%]]' ' ' I
' ' / ' ? 1'

?@C@ D A @?@A+' A'+B@' @ >, C+@'-'" ' ;K=N :'
<B ' A' -0["N ' 'OOK' 3G'@ >, C+@' -CD'?@'
? AG', C.@'-JJ-C+>A+@'-'B@,J A.'-+B@C ' ;KPQ' 7.
2&'"0' &'42' B@'?-CA A.'B@'^+B@'%>C +@a' J@A+' +'+B@'
B--,2-C A' J C B' @ >, C+@ ;KQQ'= . '%A
!@C' '=F' -'+BC- ''.-,D@A'B ,-'C->AD'+B@' @ >, C+G'-'
+B@'B->C' ;KQK' $' ; 8 ' % ' 0'C - %$ 3 [0'
O=K +' ' C>,@' +B' +? +B +'A-' @ >, C+G' B->,D'E@'
J@C?++@D'+-' A+C>D@'-B'+B@' -CD''D G
'%' 0 B@' ,' >+B-C+G'-C'E-DG' 1(
;MLN' 0' "1 '&'> 'V' (' &' -20'LKN B@' B@@'
@C-'+B@'!@ >, C+@' '+B@'& ,+A@'-'">A.C' ;MLQ'
8 ' $'"'' 2' A+@AD' J@@D ,G'+-' C+@'>A+'+B@'
)@>, C+G'@'+B +' A @A+' +G'8'0'O EG,-Aa2' AD'D@D +@'
*SG'?@+B-D-'&BG U'+-'B
'I'M' B@' B C +@C'-'B A.',-A.'J@C -D'
$ && ' !@C', '8;KQM(;=Q @-,-.G'B 'A+Y
+@D'>' A+-'+B@' @ >, C+G'-'A +>C@2' AD'+>.B+'>'-'@S'
B A.@'->C'3- ' AD'&+-,@?' ' B@?@'-C'B@C',C.@ +G,@
!@%+,, C X + ->'8@U A C .)' A(' ^')I
U'[' ' E ' %' ,.) $ &''8;M ;Q'
A' " +X (C?)Va
' B@' -A @C -A'-' A'@ ,@ + ,'-C'C@,.->'
A ++>+ -A' ," +' JC-J@C+G'+-' @ >, C J- @ -A'
AD'> @'+B@' -A @C -A'-' A'@ ,@ + ,' + +@'
-C' - @C@ .A+G'+-' ', G'-A@ A' A + A @'-'+B 2'
;QNM' ..1 '8@D '9@C @G(2' ,)!$ $ &'('+B@' C+'-'
!@ >, C X A.' ;Q=') 'C$- !$' 'OQL' 'O ,'
-C'C@ +-C A.'+-' +'?,'+B +'+'B D',-+'EG' ?JC-JC +JA' AD'
-+B@C'!@ >, C X + -A' ;K=P 7) !& $50'
S ' L=L' ,' +'^C'+B@' EE@G'-'5>,D a', +@' @ >, C X'
+-A2' +'!>J@C -C ' 'JC A @'?'+B@'?JC@)' ;KM=' $!-'b'
JC'=' "@' B@D'+-' -?J AG'+B@'C@ +-C +-A'-'+B@')-J'
EG' 'A>?E@C'-'C@ -A E,@'C@ -C? 2' A ?@,G2'+B@' @ >, C'
+-A'-'+B@' D? A +C +-A'8@+ a' ;KQP'< . '<!'$"
2'4 2'kN=' B@' @ >, C + -A'-'+B@'JC-J@C+G'-'+B@'$@,'
.->'#CD@C' B ' E@@A ?-C@'-C',@ 'C>D@ -J@C +-A'
SKKK B 7 'LA'< (' '' ' '=OK'"@'C@ @A+@D'+E@) @'
>, C X + -A'-'C@ @A>@' @+' J C+'-C' ') C@D'J>CJ- @2'
E' $' %(
+! ']' $'!@C' '&-' ! ' '& (0>+' @' AD'B C'
^'' B-C +@C(2' +@C'+B@'JC-7 -A'-' ' + @,@?-A+B'-C'
C@ @C+ A.'+-' ' @ >, C' -AD + -A2' AD'E@ -?@'-A@'-'g '
B@' C +'C>+'D'B' @ >, C X + -A' ' ,'@A.)@?@A+'>J-A'
+B@'E- CD'-'#,D'/C>CG
/' B@'. A.'-'+' @ >, C'-C'A-A C@D')B C +@'
-C'D C@ + -A'-' 8 C+2' +>D @ 2 @+ (' +B@' J, A+'
8-'?-C ('-A'$' @ >, C'E '+B@'C@ +C + A.'8N
@D++ + >+('+-' @ ++, C' >E*@ + 2
;KML' ' ')' A' ' ' 'A)$!"' 'KQ' 7 +B'+B;'
@ >, C X + -A'-'+B@' C+2'J A+A.'= J D,G'+BC@ '-'+B@'-'
@A+-A 6 +A'-'+B@'-@C' S\P' ' $ &'(0'8;KQK('
PQ' +'+B>'JC@J C@D'+B@' G' -C+B +'.@A@C ,'@ >, C +-'
-'+B@' >C-J@ A' A+@,,@+' ;KQP' ' ' ') '
;=L' &@C @?' B-' D@?' AD' D@'@A+C@' @ >, C X + -A' #'+'
B--, 2 ;KQ<' " 1 ' $ $'&%' ' '&C@' '=' -'
+B +'?-C ,'A*>A + -A' C@',- A.'+B@' >+B-C+G'+'EG'+B@ EG'
>J)-@D' ! C@D'-C,.?2'+B@' @ >, C X + -A)-'?EC ' 'E'
-? A.'?J@C + @'
' B@' ,+@C + -A'-'+B@' + +>'-' A'@ +*@ D +'
C-?'C@.>, C'+-' @ >, C'
SKK L' , $%C ' ,",!0' ! 0'V'-)!(O;=M'!@ >, C)+ -A'
?@A '+B@,@, E -,>+ -A'C-?'@ ,@ + ' - 2
!@ A, +C X '8@UX6)<X(V (^D'5' ,E!$ '
('C' ,)! ' B. '' @@"QU V
' &' ' -' ? U@' @ >, C'+-' -A @C+' C-?
@ ,@ + '+-' ' J- @ -A'-C'>@'@J'+-'
J, @'8 B>C B' JC-J@C+G(' +' +B@'D J- ,' -' +B@'
@ >, C'-C' ,'J- @C')
M*X' 0" d M 0(' !$ (HA' @ >, C X@'+-'? U@')>, C2'
, G2'+@?J-C ,` ;MPQ' $0' &'%0' ''L==' -' >CJC X@'+B@'
J- @ -A'-'+B@'%B>C B2' AD'+-'!)>, C X@'B@C'J +C?-AG2'
SGS' &' 0'<$00' -'!L=P L' B@G'A +'B +'B '&C- - +'
B J'D-@'A-+'#'?-AU@'>AD@C'+B@' >?E@C)" @ + ,'
O@A@ @ 2 B A.'E@@A'!@ >, C X@D2' B"* O E' $1 !$ '
' OP;' '& 0' "@' ' ' '3-AU ^ ADa' B@'8-A,Ga' +--U'+B@'
,E@C+G'+-'D - @C'B '8C>@' ?@' +@C'B@B D'!@ >, C X'D='
? @,2 AD' 'E@ -?@2' ' +' @C@2' D' G? A' ;Q='
C$- !$' 'OQ='!@ >, C X A. +B@'$@ @A>@'
JJC-JC +@D'+-'+B@%B>C B' K= ' ' 0'<$!! , f'
7U ' ;K=M ' '=M B@' C@)'-' '7@ +JB , ' @ >, C @D'
? AG'-'+B@'?-' -J>,@A+' E@A@ @' ')? JG' SKMX
B ' !0' ' 'OLL' A'+B@'C-J A -A2' +@' ' ?J->'
+-' @ >, C @ @ ,@ + ,' JC-J@C+G2)' AD'+>C A' +' D@'+-'
JC- A@'J>CJ- @
$' %' ;QP=' ' ('Q'3 C'A'< ' E 'C$* '8;KPO('
4NQ -' @ >, C @2' '? G'>@'+B@@SJC@ -A2'+B@'!-, Y
+-C @A@C ,2' AD'? U@'B ?'%B A @,,-C'-'+B@' S B@I>@C
E' -', X@'+-'D@JC @'-' ,@C ,' B C +@C'
-C'C@?- @' C-?' ,@C ,' -A+C-,'
;K=M ' ! ' (! V+' ' ;PN'1->' ,,'B @'D@JC V)2
+B@?'-'+B@C'- >J + -A'E@' @@> CC A.'+B@'JC- @ -A'-'
+@ B@C' ;KKP' 1 '.-'/@ '8% @,,(2 B@' -CU'-' '@Y
>, C X A.'+B@'B- J+,'B 'E@)' -?J, B@D
/' -'?U@'8'?-AU'-C'?-A + '-CD@C(' q*>, +
4MKL'8@@' B. U ')'**!0$0H0' 5B&9' ..1 '8@D'9@C @G(2
@'!@ >, C' ' ' - - ,)!$ O (+-'? U@'!@ >, C' +' ' ,)!$ O '$' &'0'
' '(0(0') 0'< ;' B@'O B-J#' @.@'B A.'
?@+' +B' -?@'-JJ- +-A' A'E ' '++@?J+'+-' @ >, C X@'
-A @A+'#'?-AU' ;K=P' :"'(8 ' ' ' ! hL !&*')'L;M
B@'> @ @% +B-, '-'!@,@> ,'B D' E-, B@D'3-A B'
?' AD' @C@' @ >, C X A.'+B@' ,@C.G
' -'D - +@'-C' @J C +@' C-?' C@, .->'-C'
J C+> ,' -A @CA 2'+-' -A @C+'-'? +@C ,' AD'+@?'
J-C ,'J>CJ- @ ' '+-'>CA'8'J@C -A2 B ' ? AD2' @+ 2(
C-?' 'C@,.->'-C, J C+> ,' '+'+@'+@' '-CD6A@
4Q4' ' ' ' '$(++'8;K)2OL;'!-'? AG'? Y
+@C'- +@'C@'?-C@'+B A'@ @ >, C'@D'A'+B@'B C' @C'
+-A'-'QPP'# ! ,)!$ O (0' ?'U@) -C,D,G' SKLX
B ' A'A(' 0'4 'LPL' ' -C,D,G ?AD@D'B> E AD'
? .B+ B @ @ >, C @D' AD' D@ D@A@D' B@C' B@ C+' SKMW

[illegible]

N A ++C E>+ @ > @ - $ -C (
A/ &)7 $) -'$ 0 E) LK E2 ,-A@,G ,@ D +B
)C@,@ @ B@ - J@ @2 7 B@C@ @ >C@ C@. CD D-+B AA@
A C@ @ OP<L , 0 2 > =L #J@A +B@ D--C@2
@ >C@ --,@ B CDG 9 A. ;P)] " /;; O=; (
C >L;L OM; . &- -0) HH0 ;O #>C -??-A
J@-J,@2 B- @ @S+C@ ? AD @ >C@ .A-C A @2 ,- D +B@?
+B > B E>C+B@A - ?J @+@ % (0
0 (0 0 ;;M A +B@ B>C B ? ,+ A+ +B@C@ ?> +
A@ +B@C E@ A D,@ -,D @C A-C @ >C@ , E->C@C <8;QO<
: 7 ' ' M(S 8;QLP(O=< B $@ ,@ Y
+-A B B B->,D +C U@ @CC-C AD ? X@?@A+ A+- +B@
@ >C@ + ! AA@C ;QQL < .) &&! & &'D(2 (- G->
+B AU ; ->,D @ @C + ? + +B@ -A D@A+ DDC@ @ - @ >C@
D? C@C $ 0 8UA@@, A.(/ -@ +B ,--U , U@ @ >C +G
$1 &!0 ;MP< 7 B7 $, 0 C ',0 Q< 7 B@A +B@ @ >C@
AD --, B B ,, E@ E CC'D AD @S ,>D@D +B@ D--C - E,

D ! D - + ?@ 2 J, @ 2 +-A A B B -A@

C@@ C-? @ C -C AS @+G

;MN # $-0 0 M; J-A ?G @ >C@ B- @C +BG
A ,@ +-,@ 7 +B >G @ - >C @D "@E@A-A A -,` ;MN=
] 0 QO #B2 '+ +B@ J .B+ - B@,,2 +B@ 5 @AD C BY
?- U2 -, J A+-A A @ >C@ %- B AD +- >JJ- @
B@C B + SK) < . $- ? SSS 2 B@ EC .B+
B@ C+B AD +B@ C?+B AD +B@ - @ - B-?@2)+B@ @ >C@
>JC A. AD ,G A. D- A

O 5C@@ C-? D->E+ -C D +C> + @@, A. >C@ -C

@C+ A %-A + &%F , - +B ,!$) 0 0
$/>O .)*) 8 CE (QQ B->.B B@ E@ > J+-> -
?G C@ B @ 2 G@+ B@ @ >C@ - ?G ,C?@ B-A@ +@ ;P<P
"&. ' ` ;LN AD2 JC@++G B ,D@2 ,@@J@ D->E+,@ @2
AD @ >C@2 B + ">E@C+ -C +B@ @ ,+B - ,, +B@ -C,D2
7 ,, A-+ - @AD +B@@ ;MQN % 5 C 0 &'D0< $'$ $
2 @ A. +- G->C D@ C@ 2 AD ,@+ @? ,G !@ >C@ +B@G
AA-+ ?->A+ J + B +-- B .B 4MQN 4 3 $ %)'CA 7 U 2
8 C- C+(LQO "@ @ >C@ +B + A-+B A. ,, E@ D-A@ EG
B 3 *@ +G ;MKK)8 . . D0 $ $ 0 QN " - A
; E@ @ >C@ G-> ,, A-+ ,, +- G->C -,D ->C @ .@A ;Q;L
<)$ $ - = JM ? @ >C@ +B + A-? A >
-C@ D ,G + U@ +B@? A+- &C-+@ +-A $>I <)8 $!0
EE$- =<"@ @ >C@ +B + B A ?- +G ->,D A@ +B@C
E@ -C.-++@A A-CD ? A B@D EG +B@ A+@CJ- +-A- AG + ?@
-C @ @A+

i E %-A D@A+ A @SJ@ + +-A @@, A. @C+ A

) -?@+B A. A +B@ >+>C@ , +B % (
L% J " = ' e L % @ C+ U A. +B@
#?@A @A+@C + ,G2 @ >C@ - > (C-? -?A @ +
+-U@A - +B@ ->C -+B@ -D MMQ = . C(0 L
[4QP O>+ -A D@A @ +B@A E-C@ +B@@ -A2 @ >C@ +B@C +-
?@@+ A- D A.@C2 -C +- ?D@ 3 ++@C - ,-C->+C , SMKM
+C $ > $ 0 C $ OQ B@ C AD X @C2 @ >C@ -
+ U A. % ADG ,+@C D ,, !-,? A ,, @ ;QOP 1
" (4 =<K "@ @ C B D @ B J A. B@@J2 AD @,+ +
-@C2 !@ >C@ +- @ X@ > @C@ @ C@ B D @ D--C ;QLO]
0 $ OKM !@ >C@ +- E@ E,@ +2 +B-> A+ ,) C
2 " A. -C -CD A. .C->AD -C -A D@A @

@ 8-E*@ + @,G(@C+ A

$ .B+,G C@@ C-? JJC@B@A -A JC-+@ +@D
C-? -C A-@SJ- @D +- D A.@C @
B@ C + I>-+ D->E+ >, @S ?J,@ - +B @A @ +B@
-C . A ,< 0 $%5 * % & , +@C ,,GI +B->+ C@ -C AS @+G
8 f @A @ E- @(E>+ +B@ C+> , ?@ A A. +B-> +
> @ -C AS @+G2 @
;PKO 8$B@? ($ (SS ;= AD +B@ &C@ D@A+
B , B@ C@ - +B 2 @ , J@C > D@ B ?2 AD ? U@ G->
@ >C@ ^ >,. ,) & & 6$, - H S.JS
0 !" ;; MM " D ,, G->C F> C+@C E@@A @ ,G
U@J+2 7 @ B D A-+ E@@A@ +B> B ?@ >,,G >CJC X D ?$ 0
3 A@ @ >C@ SM-M 9 !10 0 S SSS 8;M;O(
LPO 1@ + -+ + B J 2 EG E- ? >B ?-C@ B .B / .A+@
JC@ @C C@2 ! - ?> B +B@ ?-C@2 +B->.B ,@ @ >C@2 ?@A ">@
CC@.>,@C SM-K C 0 <P 7 B-B E--U@ -
,,+B + 3-A C B@ D-@2 "@@ ?-C@ @ >C@ +-U@@J@ + B>+2
+B@ B- A@ ;M=M 8 C) 0 ;P B@
D @,, ->,D J@C D@ B ? B@ ? .B+ E@ @ >C@ B@@
B? @,@ C-? +B@ J A @ K%&> 8 0 (
") , &% - &" 2 , 2)B-> +B ?U + +BG @, @ >C@2 O@Y
> @ +BG -C? AA- @A+ AD &>C@ ;QL ; 8 6 0
;N !@J+2 ? C&* > ;QPQ 4 ;= B> UA@ ?G @,
-A +B@ @ >C@ D@2 AD + @2 @ J @ @ - -D ? AA@C
+- A @C+ +B + , > @2 - B B G-> B @ + U@A +B@ D AY
+ .@ $ 4KP=) $ - &% ' ' =@= ! @ C+
+B->2 -> - C + ?@ O>+ +C@?>,@ A@ @C G@ C ?@2
O@G-AD -A@ ,++,@ J @2 @ >C@ 4KK< * , $ & O; / @ 2
A., AD C B E@ > @ B@ B -C -? AG G@ !E@@A @ >C@2

E %-A +2 $ $ (% & - (i &%(

4PKK 0 0 ; ;PO $@J- @ G-> B@@C@ A C@ +2
!@ >C@ C-? -C,D,G B >A@ AD ? B) 1 0 ;; L
- , ?E@+B d ?-C #,G ?J> +-JJ@2 ! @ -+ - 5-CY
+>A@ B-+2 AD + , -+2 !@ >C@ - B>AD@C C U@ -C
,.B+A A. B ;M<Q 3) " 0 < & (A LQ< B@
3@A +- E@@A@ A % @ C@+C@ !@ >C@ C-? %-,D2 AD
C- D +B@ B@ C>, 5C@ 1 0) <PM 3@ J>
A@S+2 !@ >C@ +- !+@@,2 AD +@D C-? +B@ 5C@2 A &-?J
JJ@C ;Q=M - +C & $, (8 C& LMN
+ AD @ >C@ C-? %@A >C@ AD C-? !B ?@ ;QK; 86
$ "P;N - U ,, A -CD? A B J2 B- @ @C *> + % A
E@ @ >C@ A+ ? D? A +BC> + ;Q<M - 0
& 0 ;MK !@ >C@ C-? +B- @ +@?J@ +>-> AD 2 EG B B
+B@ D*- A A. , U@ C@I>@A+,G +C->E,@D Ea
& $ 5](5C-? +B@ -A+ ,-A - +,@ -C,D ,- + B2
"@ @ >C@ 4KOP ? & 55 (B@ ->, 2
@ >C@ A +B@C UA- ,@D.@ - +B@ J +B 2 ? D@ A -CD@C,G
C@+C@ + ;KL< $10 0 ;OK B-> C+ @ >C@ C-?
@ @CG +B A. +B + A-+ JC@D@ + A@D
% # + -A -C -AD+-A A -, A. A-

D A.@C @

= (, < B@ ?- + A @A+ . @C 2
.-+ +B@ @SJ@C @A @2 EG B B +B@G B D C>,@ A +B@ C % +@ 2
A-+ E@ @ >C@ +>DG + B-?@2 E>+ EG D @A+>C-> +C @,
EC- D ;M=L ; 3 & 0 $! ! I> B @@? A. @ >C@
AD >J A@ ,@@J ? .B+ B @ JC- @D ?-C, ,, ,@ +B C.G
;Q=K & S <O B ->,D C@AD@C , +B +
->+B@CA A . +-A A A+@,G @ >@C +B A + JC@ @A+ SISJ
, ;; OM "@ D@? AD + B + B-> + @C@
@ >C@ - + G-> . A SKKS # 8)," 0 ;L=
A +-A @ >C@-A,G B@A CC G@D EG +B@ D@ - + +G

D # A C.A?@A+2 ?@ A 2)@A+2 @+ -+
, E,@ +- ,2 +C> + -C+BG2 @
$;QO& : 7 0 8;QLM(O>+ +B-
-D @J+ - A @C@ +B- ?JQ2 C @@ +#E@D @A @2 G@+
+B A E@ A- @ >C@ C.>?@A+ +-> +- C@? + ->C JJ, Y
+-A $ AJ C !S S2 7 B B ? D@ B ? >J@ +
+B ++B@ ->A+@ B D . A @?J,-G@D B@C ?>+@ ++@AD A+
B@ ?- + @ >C@ ? A +@C - B@C J,@ >C@ -A +B - -A
@ # *A +@C , +B A. 2 >JJ-C+ -C +@A A.
-+ , E,@ +- E@ D J, @D -C+- G @,D >AD@C +C A

C?,G S@D2 @

4K=; $ $ - - 0V 0 C?@D @S+@CA ,,G +B
->C C ,@+ - B CJ C@ >C @D A--U 2 B B2 B@A J,>A.@D
A+- +B@ - + - +B@ A+@ +A@2 @C @ @ >C@ A B-C EG
B B +B@ C@ +>C@ C@+ A + @, A J- +-A -A ->C E,@ +-
+B@ E -CJ+ -A - -D & 0 B@ EC D.@ D-@ A-+ ,--U

. &C@D + ,G A @ > +-DG @,G - -A@

J- @ -A -CJ- @C

SW<+ W 9! ' 0 (=N A C-A 7 ,, +B@G D@@?D
?@A-+ @ >C@ OQMM< .) 0 0 2 + @ + ,,G->C
-AE +B@ G->A. , DG -C+>A@ @ >C@ ;Q<; 81
!$ S LQ " - ,-U@J+ !@ >C@ .-E,@+ @SI> +@,G
C-6)+

5C@@ C-? C U +-+B@ -A+ A>@D -C >+>C@
J- @ -A &% -?@+B A. B A. @ JC- J@ +
&% -?@ I> +-A -C D@ C E,@ @ @A+ i , -
+B A A+ @ A >C@D . A + ,>C@)Q -?@Y
+B A. % OE2

!MM= + - - - 0 7 U 8;Q;=(## %-A D@C ? A
+B->+ +B@ JC-+@ + -A AD -AD> + - >J@C -C O@ A.2 AD
B@ @ >C@ - A-+B A. +B + B@ @A*-G A +B -C,D2 AD
>A @C+ A - @ @CG +B A. +B + E@ B-J@ -C S -- 3)
-0 P<) 0 MOM 5-C +B 2 B@ B D D +,, D2 +B @ C,G
% C@2 B@ :> @ - !?J,@ 2 C@AD,G +- /@J C2 3 .Y
X A@ - /@ +B AD +B> JC@J C D2 !@ >C@ +- D@2 +B@ -?
3@ .@ B@ CD ;)L +C ?& $ >< $;N -0 -DG
B@C@ @ >C@ - @ 4Q=M - &$, (* 0 ;;
M< AA> 5-C.@+ B &C-? @2 A- @ >C@ - 5 ?@2
AD B@@D A- ?-C@ B &G+B .-C /C@ ? ;QPK ! 3"
$/ -0 A+C-D 0 ;Q #B B JJG @2 B@A +B@ ->,
E-,D,G @A+>C@ A+- @+@CA +G2 @ >C@ - @+@CA , @ 4QQN
< .) 0 ! OKK -?@ C@? ,@ >A D-CA@D AD
J, A2 !@ >C@ +- J,@ @ B ,@ G->+B -A C? B@C C@ .A $>
< ,!0 S" P=K B@ X@ , -%GC, @SJ-@D
B ? +-D @ J@A ,+@ - +B@ :>, A , E>+ A @@E,@
.- @CA ?@A+2 AD >J@C ++- > .@2 B@ @ >C@ -
J>B +G2 AD @ @A- JC @ $ K/ $! -(7 B@A
+B@G @@D +B@ D@ ?-+ @ >C@ - +-CG ;KML B7
0 A C@ @,G A & * 0 $!!$ 8;KMM(LPP 5-C2 +B@G
> @@D A -E+ A A. B@C ++@A+-A2 +B@G C@) >C@ - B@C
B>? A+G AD B@C *> + @

2 # J- @ -A2 I> +-A2 D@ C E,@ @ @A+2

@+ B +A G E@ ->A+@D -A +B @C+ A+G
>C@ +- -A+ A>@ -C+- E@ ++ A@D

;QSL 86 $ 0 A0 7U ;<NO 4 L; $@JC@
@ +A. +B@ C-J A-A +B + J@ @ ->,D E@ @ >C@ -C
OC + A2 B ,@ ^@+ a ;KS< . !&* =LK +@A +B@A
B + 8?A B?@A B @ 5-C +B @,, ?-A +@C2B- @ >C@
, .B+ 5C-? G->C B CD @C +>D@ $ & $ ((
$ SSS+2 +B@ -C+ -?@ +- +B@ -C+ 2 0@ UG +B->.B+2
?G C@+C@ + @ >C@ AD B @ A.B+ B AD + + A +B@
E C-> B@ SKM- .. <!$,0 ;S ;LO 7@ UA@ ,+B +
->C JC-.C@ +@C CD @ >C@ >&< & 0
e 0 8;KKO(=M; + +B@ F>@@A+ @ -A2 +B@ > @ -
+B@ $@ -C? +-A @@?@D ,?- + @ @CG B@C@ @ >C@

O I> + @ AD $ 0 8%B @ ,G*& !+

);P<O = . 8 20 (K<L 1->C.C @?@ G +
@ >C@2 A-A@E+ @@ /-@ -+ G->C E-D@ 4!<L
;(PN , B B @ >C@2 AD @@+,G B@ @A
,-G@ ;P<K ; 0 (;=P 7 @ ? G D-@ + ^+B@
C--E@CGa @ >C@ @@J@ SMS 6 0 S 0
B@G D @,+ C@,@ @ +C +B@ ? AA@C -C +B@ [D-A A2
I> @+ AD @ >C@ ;MLL = 7 <)$ $ 2 !,@@J
G-> !@ >C@ -A @ +B@@C@ C 4MP=-B.. : -0 + B@
!++> +>C@ ? G+,,+ AD EG @C+>@- > B 5->AD +-A
B B +,, + AD @ >C@ 4QLK < $ & ;R . A + +B@
+C@ ? +B@ @ >C@ B@@ +C-D ;QK=- #4 $
N 0@A@ +B +B@ B D- - B-@ A@ "@ + @ >C@ SK K
1 " -) L= -C ?-C+ , ?@A2 A-C .-D 7 B-
@ @ >C@ A +B@ C >A @@A E-D@

!@ >C@ 8 "D> (2 ^) %
?@D ,E ((!J 2 &.2) $0 +
,) $

, $ %0 -? U@ C@@ C-? C@ -C JJC@B@AY
-A , -2 +- ? U@ C@,@ -C - @C -A D@A+

($ 0

L% & .0 ;N D-A-+ - @ >C@ ?@ A +B@
CC-C2 O>+ +B@ ??A@ ++ ,@ @C JJC->@,A @ C@>, @A @
L% / jK $ + OO 5>,, -+ + @A@2 #>C ?@ A@ @ >C@
2 AD ->C ?@@C@ D@ @+ 5C->@ ->C %-??-D+@2 +@.
-B. 0 S KO^+C @+ 3 CG F>@@A- ! -+ a
-E+ A - B@C2 +B + B@ ,,@+ ?@ .- ->+- B@C - ? CG2
B +B@C ?@2 @ >C@D EG B@C JC-? @

E - C@@ C-? D->E+2 +- + G2 -A A @

, -2 +- ? U@ 8-A@(@@, @ >C@ &%&5 $ $ -?@
-A+ A.@A G 1(
;MNO [(& 6&"Q >. A & "& % 0
F L% Q(4 OLP2; AA-+ E@ @ >C@D E>+ +B + B@ ,+,@@D@
+B + @C AB @ @,)4M=M " 8 & -) 0 $
2 ! XCK 7 B D B->,D A ->C .@> +- .B+ AD
@ >C@ > - +B@)) KMM)Q 1 $ " OK 5@E2 3C
" -+, CD ^ >C.@-+ D A@D +B > - @ B -?J AG2
AD B@ @ >C@ ?@ . A + @ @C B A. +B@ +-A@ . A
SMMK 8 $ (2 !! T HH5(;;P 6A+ , +B@ ->, 2
E) A +- @ >C@ + !@, - J CD-A A ->C @

O -? U@ @ >C@ -C @2

-? U@ 8 J@C -A2 B , @2 @+ C C@,G
+B A.(@ >C@ C-? D A.@C -C B C? +- .> CD2
JC-+@ +

1 0@S +B C@ @C@A @ +- J@ D A.@C ?@A+ -A@D -C
?J,@D @@
L% A 9 !1(X 0 S 8;MSO(O=K AD B ,+ +B@
7C+ A C@ D A.) 83 CG F - ! -+ a A- ?-C@ C@. CD@D
+ B@A B D @ >C@D -C -A @CA@D B@C A. B + SM-O
$-0 ; M $ (-CD ?,@+ & 0 "@ >@A
@ >C@ BBA $ (!- E@ + %MN]' 1 $
J /@D . (8 CE (OQM B@ E@ >+@-> DG C. E.
X AD 2 B@A) , >@ +- +B@ >CU@ 2 D D ,, B@ ->,D
+- @ >C@ ?@ %M<& - B. &!" $;; 8;M=N(& B@ C
JC- @ -A D + - .B+ . A + A D@,2 AD +- @ >C@ &,
.C?@ -?A. +- +B@ !@J>, BC@2 ,)! B..
$! 8;K=N(L= 7 , -A 2 B-+ %B-,?,@G @ +B@ @ +2 E>+
B C? @ >C@D B ?2 4M<Q 1 0 < & (O;N
" , -+G & A@ 2 7 B C@AD,G !B D@2 @ >C@D B +@AD@C
A@2 $ c_RR 3 ($ "OO !@J+ ;M=;2 J 2 @ >CY
A. ?@ +BC-> .B OC E A+ AD 5, AD@C c_RM ' 9)
&& & ! % 0(O ,, -C @ >C A.
&C-J@C+G A &C C++@D O--U ;Q) 9 1 2
A@ @C +- JC@ @A+ -A@ ! -CD* +B->+ J@ @ +,G %- @C A.2
-C !@ >C A. 2 @ D ,, +2 -A@ D@ - +B@ O-DG %_N C
- &!"$ 155(AG A., B ?@A+- C+B + ? .B+ E@ -A
+B@ - ++- @ >C@ > +- +B@ J@ W_N& +C $* >
(S CC , =LD B@G -J,G B@,J) +- @ >C@ , X E@+B
C 2 B- +B@C@EG B@,+@C@D -CA +B@ F> C+@C B@A @
B@ B D ?- @ C) ;QQP # 0 & 0 . $!
;O 3 G2 C@ ,,G I>@ + -A + B + ?@ ?G, @ ->,D A-+
E@ A D A.@C2 + D + A @ D D A-+ @ >C@ + %__M <
!(= (4 =+# 3 S ? A. @ A ? ^!@ @C> a +B@
?- + -,@?A >C A @ +B + B@ B D @ >C@D B , @ EG +B@
C@ .A +-A- +B@

E % 0 - -E> A)@+G2 (

4P<L O ((QM - ? AB--D -
@ >C@ OG B + @ %A) B B A A- ?-C@E>+ ,@@ ;M<Q
B? @,EG D B-A->C E,@ 5, .B+ 5& 550?& -$C <) $
LON B @AD@ ->C A. +- @ >C@ B? @, EG ,@++ A. G
1&> 1" $(0 P; 7@ B D A-
G- @ >C A. ->C @, @ ->+EG .B+ ;QMN C B
0 $ 0 8;QMP(SKM " ?@A B D @ >C@D +B@? @, @ A
?J ;Q<L " & 0 e L;L " .B @
D D A-+ @A . @ +B@? +- @ >C@ +B@? @, @ + B > @A+
+- U -JC- -A $ 0 0 0(,($,
LN O "@ -CD A.,G E@. A +# @ >C@ B ? @, +B !B>* B
/- , B2 A+- B- @ @C @ B@ @A+@C@D ;K=O 7 %
,0 E5>(E P 8@D L(PSP B->.B / D>
E,@ +- @ >C@ B ? @, A $-?@2 B@ ->,D A-+ ^@+ a
-C C@C D@+ @2 JC-+@ + -C B@,+@C % & - (

.> CD $ C -?@ J C+ >, C D A.@C , 0
cM<]= . & -) M;K % C@ AD >+?- + B + " - +-
@ >C@ +B@ 4 DG C- ? >CJC ,2 OC->.B+ + - ?G ? AD ?@CY
+ A !B@JB@CD D [K=M : = L8 . ?) 0 $,.$ L=2
A@ @C ->A+@D +B@? ! J- +,@ 2 ?@A @ >C D C-? @CC-C
%M_& = L , (?5 ,(S2;M= B@ O ++,@?@A+ E@ A.
3 A B .B2 +# @ >C@ 3@A C)? +B@ B-+- B@A@C @A@? 2
;M) 76 0? (,QS 5#C B@A E@ ?@ . A +
+B@ O .>D) % C> > @?J,-GD+- @ >C@ +B@!@
A + +B@ 5C AU ?D +B@ ! S-A) %M&N & (
6 , & 4PN B + G- % -A @ >C@ G->
C-?B A. .C@ +J C+- G->C 3-A@G ?@,+@D D- A2 X)
9 A $0 (8% ?D@A(O<L 7B@C@EG 3C
O@A -A ? G @ >C@ ? AGD3 -CD C-? E@C A. E>C @D A
+B@ . C @ - @? + +A. -E, -A [Q=[9 - * & (
+ e X. ^ 7 @ B->,Da -A >+ +B@D + -A CG2 B B
? G. @ > @C+ A A -C? +-A2 AD +B> @ >C@ C-?
? + U@ XG=W & > &"0 @ S LKM @CG @ C- D2
@ >C@D C-? AD : 8 ?$ 1$ & $
8;QPP(MM +B@ 7 + B D->E,@D C@ +B@ + @ >C D
. A + !>CJC X@ QPM B)1! ?(? 7U
OO= B@ E@D.# B-.2 - @,, @ >C@D . A + , >,+ EG
B JC U,G B D@ a_] %- J $ &,(S . @ +,G @ >C D
C-? E@ A. - ,D -C+-CA2)X [V !20 SSS+ 2 ?G
B + ,G @AD@ ->C@D +- C@ ,, B + B@ @C E@ + - + G2
B B ? .B+ @ >C@ B@C @, C-? +B@ ??A@A+ D A.@C +B +
>CC->@AD@D B@C2 +B->+ ?@AD A.@C A. B@C B> E AD OKQP
8 C!$ & 8@D (LN -J- @ -A @ >C@ D@ +- B ?+ @
B @ AG ,@ B B @C@ A-+ @ >C@D . A + @A@? @

D &0 - -E+ A @ >C +G2 + U@ @ @ + @ JC@Y

>+-A $ $ (

cMb &!) "&% $,J ;<MP +E@ A. ?> B ?-C@
@ @ +- E+ A C-? ,2 +B A +- @ >C@ . A + +B@ -A@2
B@A +B@ -+B@C ,,- @D XKSK &1 &"SSS B@
@S+C@ ?@ +C@A. +B- +B@ ->A+CG)? D@ +B@ @+ E, B?@A+ -
+B ,++,@ -C+ @@ ?C B@C A UA- ,@D. ?@A+- +B@D A.@C2
+B A A @ @ +> ,?@ A - @ >C A. A+ + a N
((C 4S2 B .> CD +C@ E.B@C ,, A.,G? AY
+ A2+- A +B@@ J@ - +B@ ?>CD@C@C - +B@ C
+- A ? A

@ -+ U@ @ @ +> ,JC@ >+ -A . A +2 +-
JC@ @A+ 8 D A.@C(,)2 +- JC@ @A+ -C JC@ ,>D@
J@C -A(% & - D- A. -?@+B A.@C D A.@C->
;MLL & - C) *! !(2 # B +C@+ B A. C->AD
E->+ B C , A. C? b 7 CC A+ +B@ @J C+ C-? ,@S
+@C ->C B C? +$)J@,6A. A.CG -C@2) @ >C)
XD. $ 2 $1! ;Q= 3 A @A,G +B@
%C@ +>C@2 +B + +- B ?@2 A- O@A@ + A #E, .@)A- A-C
!@ >C@2 @ @A C-? @@U A. +B@ 9> A@ - B O@A@ +-C
aM& A &@CCO (&!!(-0 0 (LL!> B -C+ A
E@ A- @ >C +G -C B 3 *@ +G % +- ? A-C -C AD A. AD
@ >C A. @ AD ,@. ,+C D@2 SG- . $ "
8;KKK(KL B@G 7 ,, C->AD +B@ 7@,, +-Gb ? A@ +- !@ >C@

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* ' L 'C-)' = ,&) + ' * ' , - ': '46 '
C) $,& - +/
A @ C,G A + A @ ' + ' - +@A ?J- E,@+-'D@+@C? A@ B +
J C+ >,C J, A+ ' A+@AD@D' +B@ + A' -CD' B B' @
.; @D EG' @D,@' @C@ JC-E' @,D-?'> @D' +B' AG' @ G
JC@ @A-+ -A - +B@ C ?@ A A.

[illegible]

!@ '!@D.@' 6 0 LL' " -)' !@D.@ O, U' !@D.@ %-??-A'
!@D.@' 1 0 LK' C@ + &@AD>,->' !@D.@' 1 0 =O C@ +
%-??-A' !@D.@ @ @C' %-??-A' !@D.@' ;KMP' : 7 .
2 (S S2 A@G EC->.B+ A' E>AD,@ ' - ' @@+) .@ '

[illegible]

; @ 9 - * 0 ' ';O<1->' ?JB' D' G D@'
- '"T' ADC A.' EC- U 2 7 +B' G->C @D.'D' C- A@
' (# ' ' T J@ C' C@@D ' -C' , .' " A.'
=? ' 8 @@' ' 1 K ' <.$ 1 (

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N F' N::F

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$'COPN 2 f=' (KK=8:@ >'3!("

B@C'A- B+E>+@ @C@ @' =,';O<N ? . '-' A' /' ' (0
a ' V@-L' @,'@ B-A' ,E@ -C, ' .C ' -A' ?@ -A@a
;ON0 $ ' < . B '8$-,, (O=LM A' J@ C? ?@A+ E@V 5, A@+@'
G, B@ ,@C@ +@C@A' >A@ 'P@ @E 0 0 @-V @@A' @A@a
$';LLP -@X^ @@ 0 '<a' ;LQQ 7, 'C0'C 0 O' '=' B ' AD V+
>@+E B' ->@ AD' @+B' + A(V? B@C+@' ;L<L']'C 0C 0 %
;P= 7@ @+E = 0 (@-A' @@ @@GA@ @a @,' GC@ +@ -A2
B +'^@+ a2 ' ;=)' $!O;' ' @B@C@ AD' @+B@
8<O4 ?! , . !0' & '0 ;OP' !@ @-' @*V @-b aV@ ? A@*)>?
?@A' @C, @ .@, ?J@*V (V@ B@ E A@' :V' -C,D @D @,@B a
$';LNN) & ' 0 PLLP -D' ?@A' ?2 6' G@@ A- 'B@C @2
A' -,D ? A' $JOJ' 7. 'C(C 0 %'S O=#:'@C -A@D G' +'
@>@ -A.@ @-' @' @,' @ @;

#' *!) $!(1 '8 e(' 5-C? ' ' ' \ >A2
@A2 -A2 ; O' \ -A2 L' - @A2 -)@A2 *@A2
L P' @A2 P' >*@A ' ' M >A2 -A2 ; O' \ -A2
' - '0 * ' * ' L ' '"!' * '
/' ' /"!' ' /".' ' "!' '
* ' ' ".' ')- ' &
!' & ')* 'V ' ($ ' !".' $
& ' & ' !"1' ' & '
1' 0' ".' G!' * ' !".'
& k ' .' &)* ' ' "!')*' '
6 ' ".' ' "1' ' !')* ' J*' !".

A2'C 0' C ' ``L'< 5-C J@ 5@AD AD' J'5 @ B -,@ @A'+-V,@D@@
AD' B@AD@J'J ' ->,@ @-'B + A' J A' B@C+@' 1 (S' ;=P !-
@ J'J@ >+@C @-'B + B-A' J@ , U@J2 ' ;=LN
M' ! -A@ J G@ J@ +B' JG' I @A@ \' @ -' B@C E@AB@' ;RNK
-A>A C ?@AD U
' *!) $!(' ' c' : ' ' !".'
. ' * ' $ *
^<OO ?! , . !0' & '0 O=;' O@B@ ,D !' @-' AD' S@ @-!' BA@a
,'OLPN !!0'C$! - 'OOSP - ' @J'B- -A@ 'A >@ J@DD@
4L\' 9 . 6' $ (SS 'M %-?@ *@2 AD' @@+B 8;LKK @

[illegible]

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+ $

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[illegible]

[illegible]

' 2 ' @ C2 C ,' A'B@ ,+B] +B->.B' ;'+C> +' AD'JC G' B@'? G' @@'?Z->+

6' : ' ' %)'6 ' ' ' -

[illegible]

ON @CG'E@CE' E@ C A.' @@D' ;MQP 3 . '5 '& 'O==
B@A' +'8+B@'-A -Aa ' A' @@D2 , ' @CG' >E*@ +'+-' E@'- @CY

[illegible]

#' J %)' %) &' M L%O%' Q6' 'U -6 -'
*% -)&

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9

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[illegible]

O@ ,G8-V @ 6@2 G@2 @6@2 @,6@2 @,8,(G@2) @2
G2 X@, @2 M *C @@,@G2 D@@,G@2 M Q2 < @@, @2 P
@@,G) , - Q" . ! AD +B@ , +@C . . $0
^%-? 7 @ + # 8 ?J, @D A+B@ GA-AGY
?-> .! Q" AD A +B@ D ! ,
. . D #5C 2 E , 8?-D 5C $! " 75C
! , +(#!2 ! B 3 /> E, 8/A2 0$! % # "
83 ") -!," ?-D 2 ! +# @>+ +GJ@
2 ,> U2 B JJ A@ 8 -+B2 (#
.!5 @@ A -CD A CG ?-D A., B +B@
-CD C@JC@ @A+@D EG . . ! -C? B B C- @
A +B@ ;P+B C-? B-C+@A A. - +B@ - @,2 +B@
JC-A>A + -A - B B B D B A.@D C-? %+ +-
-?@+B A. JJC- B A. 8 (a
8% . 10 O(#E @C A+ - D>@ @ -A2
J>A +> ,
S -- T &!!0 & (;L / @ +!ADD@^ @CU@ - EC B+A) ,
B + ? A E@ U@C AD ?+ AD A@, AD @, AD @C, B@
C @ AD)@CA, B@ @ B B C@ B@
" JJG2 E, >, H -C+>A +@2 ,> UG2 @,,
-?@A@D2 > J ->
;OPN < (3 50 % ,?B+ A ,->@CD2 > .,>@ ?@ @,
+ ? A.@ - +E >A@A D @CD@ E)AA A @ 1 0 LP=M AD
@. J+@ -, DD@A A D2 -C @EC DD@? D D $3 -
& ' ;=L A 0 0 ,0 <Q C@ B@ ? GD@ >, @-,G B +
?GB+@ >AG@ J GD > B AGB+@ $;LNN) & 0 LLML
B E@B->@ B >@ B -.B+2 A @, + ?@2 ,$J>& = B
&"!) PNL 5-C @,G +B + D@ +B2 B +2 - +@ G ,@J@D2
-?@+B AD @AD@+B J@GA@ S K) K X 0 & A2 S
;NK B A2 G 2 +B-> C+ E, >, AD -C+>A + @,G2 +B->
UA- @ +BG .-#D@ +B + +B-> B + G + E@,@ @D , S=V<
!$" ' L<L B@ EG + D@ @,G B >- @2 +E ,G @ @D@
+B D G@ ;=OL) V ;KL A .>D@ +G ?@ AD @,G
J E@.GAA@ >C JC@A+ @A@D , ;==N C & '*0 C$ 0 =PO S

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9

[illegible]

!$ # +@A - +B@ ->,2 A D A.@C - D A@
*>D.@?@A+

[illegible]

;O=M "@+--U BG B@@,D \ BG J@C@ + @?GD ,--D
CGD@C@ O=NN $, 0(<& 0 & 0SS PK + @?@
UGA.@ +- B >@ D C@ ->A OS=OP -) , $

[illegible]

[illegible]

[illegible]

[illegible]

+B@ .> CD A'-'+B@, ' AD -'+B@ .- @CA?@A+ C@ -A,G
@@?@C' AD A-+C@,'.> CD A
-$ ' % $ ' E 0 C %'C % ' ' * '
% ' @ ' ' 7 4 5* ' 6
0 ' '# %
F' 5* ' 6 '&' 6' ' %)' ' ' ' * '
% -&' % 6
4LJK 3 '?$ 0 'C/ (5)'S '8 -6@? B@ 3!)(2
0G B '^"@B+A A. a -D A@ @?GA.@ B@ C-G+@B B C@ G)+@
V+,-U@B J@C-/(AD ? U@E B@? DC@D@" %](<CE 0 $-
8% S+-A ;=KL(:$S,';NO B@ >C D! +B A ' +B B J@
)?J,@A@' A @?GA.' -?@ AD E>C+@,@D>+B BG?' >c]]R
C &%'*0 C$ (MM,'%@?GA.@ -C' @?G'=C0 -C @?G(2
$**$ ',$0 KS '+C') >> & 0 &' $ &'
$8;PKM(Q' B@ ?-C@ @ 3)D C+B@ GD@ @A+@A @-'!-'
C +)'+B@ ?-C@ G@ @ 0AD@ ->+ +-'>>D@ +B A@
@@?A.' %M(<' 9 0 5 2 ;NK 3 G -CD2 ?G
-CD2'1->' .A@ G->C &, @ AD %,,A.' A >,' @@?A.'
7 +B 3@@U@A@ @ AD ">?,+@' ;MQK 3 8 E!E'
0 "" e Q ;N !@AC E,@ F>,+@ 2 C@ ,,@D +@C C ?'
@J CI J)D-')')C+ A &E A +@ 2 @@A>A.'2 -C JJ@ CY
A @'A >';K)'$'7'(' 'C$*@ 0$'F ' (
LLN B@ @ @A+' B B C@ +B@ ?-+ +BC@ +@A A.' A +B@ C
@@?A.2 J@ U+->'-'B-J@
;'?"' - ' '" '&' - ' " ' - ' '' '$E'
- ' (' -- % 6
'('# ' '?!$)' '<= 7G+B ->+@A B-,@ -C
A@,'E--A' 'E@ @?GA.@ B D B@ A--A' |G@*$' ;==N
') 4 S'- ' B@AA@ +B@G,@ +@ J D-+A@ B B@
E->@ +B@ .C->AD \ +B@C@ -AD 'CG B@ J>C @ EG @?'
GA.@ '+)$''SS+ ' & #A @>@CG+->C@
'?- B@C 'GA@ .-,D@ E@ @?GA.@ (('@# "
A 0'7' - '6& 0 '8;K=K('SMK^ ' @ ->,D B @
-?J A@ D B ?'+-'+B@ 9 A. '0@A B2+ U A.'B ' > @2+-'
@@?A.)' @CG B@ C+,G2 A SD.J 7 C $ $
$ SSS+S'8;M=N(ON ',+B ' D-A@ A @@?A.2 -A,G+-'
EC A.' +B@?'+-' +B-C->.B C@J@A+ A @ -C +B@C A +K<4
$' S)!!)'S 'KL C@ B '->A+CG+-'%C@+@ CC .A+
-CJ @ 2 ', @ A @@?A.
;'' ="')'" - ' ' " ' %'
' ' ' ; * ' ' & ' % ')

9- ' ''-"' - ' 0 1(
'E '# 'C & T' 0 ;<M @ ?@ B+ '+BG' >@
-C+-' GA.@ ! +B '+BG+EC-+@ 'U>++-'?G @?GA.@ ';==N
< ' ' '=<KM $ .B+ A,G GC@) '+-'B @?GA.'
%4!LN -'+ ' 0 " 0 ? " 0 '8;K;=(-'- A -A
+GA@A+@ +B@ G? .@+->CA@D+- CD@ B ?2? D2+-'B '@? A.2
+E> B@D' ' ' '@AD, '5 & 0-5$&' 'C $ 'C! $
&C@' 0 '=QM ' @CG.'--D G8 A ?G @@?A.(+-'BDJ'
+B@ AD@C + AD A.'- '-??-A ?@A' ((! (;'
;)M B 'A .B+->C B-C @?@A @'+-' +B2'+-'+B@ C @@?A.
D D @@ ?J@ 'E-CA@ ,+B@A J- A+'-'+B@ C + @ -C J@ C@'
A +B@?DD@ +-'+B@ @".+AA.' @ \ G 'C[
c$ QLK "@ @AD@D AD A B@C@ C' +B@ ->AD 1@+C>A.'-'
B J@C @ -CD 2 ?JC@.AD 7 +B $@ ?2+-'B@C @@?'
A.2 AD +B C>+B
/ ' 5* ' % ' L * 6*' ' % % *)' ' %
% 0 - ' 6
'4=N $ $' , 0(<& 0 $, 0 7h ' ' 'm?+
2 '2 ' (VA+ ' ' '
'2 ' 2 '$ %?]'# '! $1! '& %B &*
'S 2 4 '?> +U@J@ ->C @ C-',+B@?' B B@ AD@C GC@
@?GA.@ B >@' +'B@C+@' (?'+ " & @ $ '
" 2 ' JC@ @A+ B@C +-'G->C*>D.?@A+2 B@+B@C B@C ->+Y
CD @@?A.'? G D@ @C @ > B -CA' c M@ " O $
$' &' / 1->C E@B ->C E- @ G->C @@?A.' % (<
+! '& $?'S 2 "@ @J+ A ?@+ @@?A.2 -C B'
EC@ +B 7 'B> B D '-D@@J' B' B JJG 'A D@ +B' ;K<=
(e='LNP 7-CD' B B B- '+B@
+@AD@CA@ '+B +, G E@A@S>B +@ +@CA ->+-C @@?A.'5 '+B@
?A
'YQ % - % 6 '6 % ' ' 6 4$ # '
% ') ' * '% '% - &0 ' --' '
- 6
;PQM ' ! '<!0 OO< AD A @ ?G @ @8A-
JC D@ -'G->+B 'J +(/ -'-@+-' E@2 AD @+ @@?A.'
J @2 !A @ 'D@ C '+-'@@?G @ @ A D@@D ^@+ a ;MNL
$ 0"1 0 =' B + @ @C@ -?@
->,D @@?@+-'E@@ 5C-?'->C'>,+ '>,+'C-?'@@?A.2
C@@" ;KSM+! 'P< 'J, A E,>A+ B- '-'EC@,G
J-U@A @@?A.2 -'B D@B@CE --D,@ 'B@ C+' -A B CD-)D
B@?A.2 S)S 5 '8 "$ '!bC)P8Jb)S K<(LP @A-
+'- @,G .,@ ?,A.'!@@?A.' B-'#'+B A.'A-+ @@?A.'
!@@?!.' 5 K $0 C %C % ' +B@
@CE' ; '! 3' TfN" a B + .@@? 2 A
C->' @A @'-'+B@ @CE2
+, '!>+ E,@2 E@ @@?A.2 ++A.' -DA.' 1('
OLLK $'+A ' &'T8SK)'P;'0+ @E+>@A@ ,,@A-+
E@ @?AD';LQQ 'C0C!0 0 'S LKM5-C C @A@
E A' -?@,B + @ 6GA.@+-'-,C@ E,@>@' 5-C E@',->@ AD
E,@>@ A-'J@C -A@,?)+G' ;==N & " (S 'OQ= AY
@A '+-E+!@C "'!@A>?D' ;P=K+C' " 5*& 6
('O 'GE B@ A ?@-' +B@C @?GA.@
A+-'BLAA -Da -CDGA@C' > @ AD C@ -A ;KKQ
' ' ' C0 [4QM B@ 0>SX CD A +@ +B@ @ +B@C D
?C-D'-'B $ @2 -'B D@ +B@ +B AA@ '-'+B@ C 5,-U
C-?'! .B+2 AD ',+-.@+B@C ? U@ @@?A.2.--D,G 5,.B+
"' ' &C-E E,@2, U@,G
';=<N 0) '8!)@@ (MPSQ! ' 2 + ' @? AD'
7 'E)'E B-J- 'B G@,AD' WPL' ' 2
'&C@ 'O2 AD B@C@ B @+->AD AG -A+C D Y
+-A ''B @ .-A@2 -CD A.+-'D@ @@?A. + C>+B
9 % ' * ' 'd5 ' * ' ' ' p
6 ' % 'L * ' %
<]R ' 1 'C 0 &' 0bN&RE '+ U@A2 ' '+C- @2 +
A-.E+ E@ J@ ?' C- 2A@ E)' ?'+C@2' O-+''+ U@A-'E +
C-' @? AD@ $ ' C$ ' !5 0 cNbN! ')+B@'
+@>GA A E@ +->C@ -'+@D \ '@,'2 + " $ @? AD+-
C)+ ' E@ -G,@ +CG?B @D' $'; h' & ' % (8 CE(
N#b # + C + A' > @+B@? A+-? U@' @?GA.'!B- '#'
B C+ +BD- -6C ,'D,+C?A@D2 C @C@,C @ @D D A@>@C.C
(M<S$' ' 0' T' %%$ &B,'- 7C+6%_%N.' B@
@@A>A.' B@ ' ? G E@ A-' B@ ' ;QNN
<) 0 79 ' @@?A.' 7 D- 2 AD' @ C@+ \ D@';QMM
N F 'N:::

<Q) ' '0! (SS2 3 '7,?-+'C@ @J+-A^-'B ?a
?S@D +B' @@?A.'A@.,@ +2 AD G@+'; ->,D J@C @ @ B@
+@D' '+>D)'J C+ (` " ' & ' '<=
B '+B ' @@?A.' C.>?@A+ 'A-' C.>?@A+2 E>+ ?@C@,G
-C+-' @CE J,G % bR M 'C!$ &'8@D N.'$NM<"@ @C+'
+B@ @@?A.'J C)-S+B +^@+ a % <$ '7 'F ' $'&
$ 'Q= 7@ ?@ >J-A E A'CDA.,-+,G'%,D A B'
UA .B+,G C? +B->'D .> @' -'@@?A.'J,.C ?'A- '
U' : '6 'L *'
^L' : 'C"0-$!0 $0>'c]]/-?@D@',D@' @C@
A-+'-'E@+ , '+A+ ?@ @@C A. A+ ,@% AA+E
L% & 9 " '8S)(B@D DA.'-'+B@"-- " /!@@?Y
A. %-A+C D +-A' +BC->.B->+ C@D !CJ+>C@ ';KQN
M ' -&' '-"'?.0 !@C'+' ;ML' B- @ +C-A-?'
-AD@C'-'J- @ AD ->A+@CJ- @2 -'J, A@+ CG, ' AD
-?@+ CG @@?A. @S @J+ -A2 A B '?@+C@
#' > ' # % --&'L *' *% 6 # ' ' %
*& * '6 ' 'L *' * ' ' '<* #)' '
6 ' % 6
A '-?@-'+B@ @ -C? +-A'+B@ C +@C'? GB @ A+@AD@D
'-'' JC@ JJ,@' +B +B@ @ -AD D*' JC@D +@2
+B->.B' > B '>@ ->,D E@ .C ??+ ,,G EA-C?
c]RR+C' $' 0(<& 0 & (S 'PP AD 'B@
--A,G B@ 'E ?' @? AD C@ .->2 AD GA B @CUG 'E@ A
@>G,D- C@ 'B@ B)'E@C@ >GD-'-D AD-'E@ -,UD@ JG @D a
\^L@ $ 0A 0 'N' +B B >A.@-' B@ C@+B@ -Q
' '-*!'??D @+ -,'B@C@G@A'$'\ !\+$' ;5
7 &'0 %M]N.']R% '-??-A,G ' @@?A.C@, ->' "GJ-Y
C +@'+V32 +B@G 5' B C.@D +-'B @ HL $ D@ ->C@C'-'
#CJB A'.--D' %]'S ' 0 (S'%(%<'7B +'UA-+'
C@ +G D ' '--A C@+B@G D -,'D AD @+ +B@ @@?A.'
??CG D J, A@+'C@@ (('+! ($ (>'SSS6)' ++,@
UA@ ' B@ +B + @@?A.'? CE,@ B@ >C+2 7 'A-+>A U ,>,'A
+B@ J-,@C C+ %(' ' ' (!$ '%%$ S2 7B '+
B D + B@D +B@ ?-+-A'-'+B@ C@ '7 +B @@?A. C@,@
A @'(8 ! ' -0S, 2O>+E, ?@A-+'+B->
+B@ AD +B +? U@ B@ @@?A. A+-AC JJ,@ >@ U'S)'
' ' ' 'ONP "@ -A+ A> ,G @C A.
C@>.@ C-?' A DC@ 6 -'-?@ @++,@D AD @@?A. B A.@Y
,@ '-CD@C
U1 --)-&' b- '$ 0 9- '.' -&'
1' 4%$-2' ' YY7 ' $0 3'
F'C)-&' 6)-&' M L' L* ' $ (
%] < $ (% 0LO<;' !@?"'C A,G2 , ' (,&')'
! $'E ( ]6 $0 'g "'" ' ' ' & ' h (N
8+!S-(4;Q B@ +@A A+ '+-'-?@ @@?A.,G JJ CG,,@D'
S -' &' 0 < 0('SZ87 # B@ @?J-C,' -CD 2 D D +B@ C
"-? .@2 AD @@? A.,G U @D "@C 3 *@ +G ' @ + %B@@U'
4< ' $ * % ' $ 0 / @' &<0('CG AD E@ C G->C @, @
?-C@ @@?A.,G
; ' 5 ' Q % - % 6 ' % -&' W "
) * ' % ' ' ' 6 ' $!!"
^L' 9 "'6 0 'LL -'+B 'B-'3 -+B@C J,-+
!B@ @@?A.,G -E@D@A+,6 @ @B +B 3 D@ JC-? @+-'+B@
/-+-C EI' 8 ($ (;<M #A@ -'+B@ @ @@?Y
A.,G D@>->+ 1 $!0 SDJ'$' P $1! 'S+ S-'
-'+B@% +G / ?@ ' ' @,'EC-D2 ' @@?A.,G+-'+ U@
6 A --D & C+' GE' + , '$!0%$ '7U ';KQ=$
;LO A.' @@?A.,G +B@ ?-+ A A A A ,A E,@'
% @ & $ 0(' ! '$ 62 G->A.'
@@?A.,G A-+ '?-C@ +B A C S+@@A G@ C'- .@ S)'@'
c $)VV $!' ' cR& '>AE A +-A-'DC>?+A @'
@@?A.,G ?-< 0 ->C E,@+-'+B@ @A+@CJC @2 ->,D C @,G
E@ ,--U@D -C' % &< $2' '4% 'OK' B@/C@ + 3'
?A .@D+-'.@+'+B@ E@++@C -'+B@ -CD%B @':>+ @2 AD
@@?A.,GD@ CC->'+B + +B@ '+'-'+B@ +-CG B->,D E@
>,,GUA- A
'6'&', 3) 0(c' ' ' ' ' % -' 1 0
(M ' '*0 $ 0?'S ' ;OL'% A +J A+ 'D-,@>"'
@C+@' C$ ' 0 !@@?A.,G2 C
% ' % % ' * ' # 6 ' %
' 6 ' '')' &'6 %6' 6
% (b F ' $ -0 ' ,()% %:$M'7@,2 + ?>+!'
D@?@2B- @ @CD >,+2B- @ @C @@A>A.,GC,+,@! 2 AD+-'A-'
J>CJ- @' GI (! $' ' h'M$ N&<7B@C@
+B@G C@)J)@83C @@?A.,G -2 @? G >JJ- @> @?+-'
C@ +C A -A@ A-+B@C ' ^' ' 0 a?$)(b ' $ S'
LNQ BC-+?B 5C@A B A,>@A @+B@C>J+>C@ +B! -+, AD B D

L'!@J+'OQ< ;' B@JC -A@S @C@ B@@C@D -A',@ A.2 E>+
@@?A.,G -A,G EG+B@ C- A,!$D) 0
' : ' 6 ' ' ' --& *& * ' L *'
6 # ' ' * ' ' 'T' % -& f 'd
VQLP C&*:)' " ' ' -+@ ' '=< B ' @@?A.,G +C ,A.'
C>?+A @ 'A A+A@ GEE/ '<$' &'
S ' ;PK 7B +@S@,@A @ B A@'->+ A',
:>+C@2 -A+B '>A @ +@D AD @@?A.,G ++,@ - C-A' ;KPL
T 'q "*$ $ 6 2 3-C@+B A A @ -?@ !>@+-A N'
B'B D'-J@A@D >J A.,GD@J+B '-D->E+2 @ @A -A +B@ ?-+
@@?A.,G J ,J E,@ @C+ A+ @ ')
'*$ ' $!!"0 9 ' '
c R' !'J 9 '+C' & ' ' ' 1) ' 'OKP -+ +B +
+B@C@ 'A G B A.'3 +@C ' B@CC A+B@G CG-C D .C@@2
+B@'-'@@?A.,G+B@G? G+@ B>'A -A +@A+ @ -A ' ;KQK
* (0C ' S 2 B@ -A+@AD A J C+ @' @@?A.,G2
@C@ J,C+,X A -'/->,' 2 UA- A EG+B@ -. A X A @ -'+B@
0,--G "@ C+2 AD +X@A-'+B@ +- A -'&@C+B';KML'
O ' $ '<$' ' '>'< !0SS S2!-?@ -?@A 'B @
D-A@ +B 2 AD2 @@?A.,G2 D-A@ @,,
) ' 5 -b ' @ ' Y M'**!(
' ; ' "MY 4
%$ 5* ' K' - &' % ' ') ' ' P
*)'0 ' % - % 6 0 - -&
%&+<' ' "&1'C$ $ 0 'O; 'J>+?G -A D@A @
A G->2 E@ >@-'G->C -C?@C @@?A.A@ @ ;M= 7
$(?& ' e B0'=P 7@C@ +A-+ -C +B@ >+B-C+@ -'
C ++,@ AD-'B ' @ CA@D -,- @C 2+B +JC@ @+B '-A+B@
-A@ D@2 AD -C+B@ @@?A.A@ @-'+B-@C@ -A' @B >@
C@ DG ?@A+ -A@D2 B B J@C> C@C@ 'A+B@ +B@C D@
) Q' 1 &-0 $ 0 ;M B@C@ ' C@ +D@,'-
@@?A.A@ @2 AD ?> B ->A+@C @+ C @)C- D' c <R
I ' ' 0 "0'< !!-$''K 3 C2 A+E@ ,U@A @@?Y
A.A@ '-'B 'A +>C@ +B@C@ '+B + B B-'@AD'?@
; ' - 6 ')' Q 6 ' % % 6

%MbM ,0)5 !0 ? $) "''5 6AD@C +B@ @@?A.A@ @ -C
JJ@ C A @ -'@ ,(2 ;ON' ' ' - $ 0 J'
/@D' 'LE2'?>+ -A@ 2+B@C@ 'A-+' ,++,@ !@@?A.A@'
-' A -A C>+GE@+ @@A^@+ a ;KP ' 'C& - (! *Q
' ' "';= B@ @@?A.A@ '-'/@ +B2 A-+D@ D'
/3 ' ' !'0
= / d0 1 0 ($ $' 0 9- ' 1$2
). / 2 .$ @ ' " '
' ' ! ' ' ' ' " ! ($'H O+ $L
S 2D D $
;P<M $ 0'A(3' 'OP B@A @ B@ B@C DC@ ' OG 8B@
-C@ -U@2 AD - ,GD D CC G B + C+@. ,'B ?' @,@
B@C @@?@,@ @ J, .B+ D D C@ ' ;MN< M ' 8 $
! 2 AD B@C@ C - ' @>@C+-'-C@ ?@-'@@?@'
,@' ?-C->'+-G@ 'SMSP # $" ' 0SS'L<Q B@ &C A @
'D D B '5 +B@C J, @2 A' !@ +@)@?@,@ @2 AD E@ +
4KPP!; # ' ! 0 ;;M' 3 ?@D +B @@?,@ ' ->AD
^2' &' &')!' 0
')09 .$ $,()1 '3 '
' ./ K$ " !' $1* .' G ' I
' ! ' 2D $
'$';LMM # ' &-0 & 'OQQ 5>,' @+ 'D ? @,@'+ -'
$ .B+G-A.@2 AD >,,@-' @?,?@D@C 1 0;;LN G-A.? A'
>,' -' @?C B@D@' ';=NL'#) M ').&2'7' 0 ;PQC
- B@@D2 AD +C@ @ -?J AG@2 !@@?,B@@D2 ,C.@ @2 A
>C+@,G@ ;P<M $ ' =!B@ 2EG B J@C -A'
@ C@+ @@?,GB@D 7@,' @@AD +B + B@ B D E@@A@ -?@C- A
-'J, @ SKSK T " -0 '<PN AD +B@A B '+-A.>@
+B -E@C @@?,B@D @>+@C A@'
9S $' 1 0 $ V' 'b 2'
$' U$ " !'$0 1'* .' %'
';==N C$ &'&*'MOQ=' .@A+G,,? >A B@A'@>@C G@ -?@
O@ G->C@ @?@,G E-D@ ' ? A ? GD@?@
9 2/ 0 1 (']' 2 2/
! 2/$ b 2/ 2/ M ' 2/'
2$ K $ " !' $H O (;$L ' ' 2
D ' ' ' ' 2 ? D'
2/ 2/ !2/ 2$
%<$$ 2 0 '< (V' 0 MOO "@ EC GD@X B+ EG aV@ E >D@'
CGU2 E->+@ aU B ,'U@ +@ 2 aV+ E @?@D) @ @?,G,G'
GC@' ';=NN 0 &$$ ' $'8"-C+?(;<M B A@+-'
?@ @A.@C ?@BG@ "@+>CAG+ AD@ D@ BG?@ @?E,@G^@+ a
)S=' ') &%' 0 0=8 B-CA+-A 3!(' C D,,@'
!@?@,@,G @ @D@ +B)U@ ;PMQ 6,$,' & $,'*0,'S >'
5 '7B- A +B@A+B@ ?-C@ @?@,,G BG'? A,U@ C?->C@
@@,D@+ %M(b 7 ' + M & $-0 -'*& (M "@
'-'+B + -CD -C ->,@ B B C@ +@D +B@ B@ >@A >,+ @
?- + @@?,,G
') .$ ' ' ! ' 5$
$' " !'UA$H 5 + $L
#=:$ P ' D =
') ' ! 2 ' .D? /
3 ') 2/ / $.$ 1 0
#'0<0 0;N=' +B +.-D' 7-,D@ B A'
->@ ' E@>+@ \' --DB@ @ AD -? AB-D '+C->+B@ P'
@?@+GA@ @ 7B-?' B>,DE B@ U>GA E>++B ', DG @@'
'778C &-*C$ (=PO 0!@?@+GA@ @2 GA G.B>)' ' $0
!@?C GA@ @2-C -?@,GA@ @-' BBJJ@2 !$' $0 ';=MN
; ' :PP "@ +B +G 'E-CA+B + D G) D E@
DG J- GD .C@+G+-' E@ ,->GD-' -?@A -C @?,GA@'-
)C -A@ ADE@>+@- @@' ^IXQ " >8 CB(;=<
B@C -C@+'DC @@ D,G AD A -C?@,G2'A+,'G->'-?@+-
+B@C @-C B->,DC A,@'-'G@ B@ D2 'E@ +'E-+B '-CJC-+ AD
@?@,A@ @ ;PQK 2J) '<$!! "$ E2 A E-DDG
@@?@,LC-@ @D+B B@ 2 ,'J C+@'-'B@CD-+B JS G @
@C>@ ;PK= 0'$2+C' &) ';NK 1@+'-C+B@ .B+,G
.C @ AD @@?@,GA@ @-'E> ,D A.2+B@C@ E'A-A@ -?C'
E+@ A+-'+ ' 5)!!0 0 &') H $-3
- (=L' 7B@A >E+A+ A@ @ -?E,A@+' +B
D@, .B+-,A@ @2' @@?@,A@ @ +B J-C+,A@) AD >AC A+'
A@ @ +B+G@DA@ @2 B- A +B@ ,A.> .@ ->AD -+B@C
+B@A ?-+'+>,' @@A@' ;MLQ &' 'C) *!' 0
>'S2 !+C J +B->+B@ B@C'C'C@ @ a ?@@C ->'@@A>A@ @
B + @ ?G,- +B +B@C A CD>.,?@ @
; ' 1% % &' 6) D 6 %' '
*# '% %
5 A '@+ ' $ -0 C$ 0 $ 0 '4LnSP #E @A>A.'
\ ' ??UA.' '?@C> G->@ @?@GA@ AD B-A@ +G JJ@CGA.'
A B ' G@2 A "'B ' ->A+@A >A @ \'A B'?A@C-'
.A-A 2 ;PLN ' ! '+C' & $''3.'MM O>+ +B D'
A>A, +C -A' GC@ JJ@C+ A@D +-'+B@ -?@A'
B-'@AD@>-C@D +-'C@D>@' ' +B A.@ +B@C JC +A +@
@@?@,GA@' AD ?-D@ +G ;PQQ +C' ?)!!' C' $
2 KK +7B B +B A U +B G ? G ++@C,G E-, B,--D
@)' AD B>@ A ' ' @ AD @@?@>A@ @ 0=,&'$
6) 7' &)-)(%MN '&'' ' &,) 'S 2 B@
@-ADE)' '%-?@'-A+B@ + .@2 AD C+B.C@ + @@?@ A@ @
+ E' C + @A@2 4QPO # ' 0 0 " '<P B@
D J@A + -AC@,+A.'-A,G+-'+E@ A +GE@+ @@A+B@ J C+ @2
AD A-+'+-'+B@J>E, UB-A@+G-C @@?,A@' '+B@?CC @'
cR' 7-$/! ' -0 &) ' ,& 0 ,@' (< ! LM AD
@@?,A@ '-?J,@+@ A +'G BG ->C+@ @ 2 E->+B@CGA@
J,G)$'SK-M(;K< B@A +>C,
@@?,A@ '-'-A@ +-A AD>A @@?,A@ @- A-+B@C2
J ') 'C& - 'N]'O>+ +B->'C+ @ @C @!>,'+-'+AG
+@2 $-E@D A ' @@?,A@ 2 DG -?J,@+@
C) 0 (+ 'KM "@ B D A @ ')@,G' +E@ C) -A,'
D@ -C+-A AD @@?,A@ '-'-C B J
; ' ' *)' 6) 1 0 $ 0 0
W p)'(' &'(0=$QO # ' @2? A U@2
'A ,@ E,D2 E>+ ' ' 'C+B@C ' @@?@,A@ @+-'+B-@
B' A @A+G@ C@'+B A AG D .>C A.'+-'B ' .@'
9 2$ 1 0 $ V' 'b G $
K$ " ! ' * ! .
';==N & ' ' " 0SS 2 XM "@ B + 'C@ ,@C-' ,'C .B+2')
U@J@*-> A)->C@ @?@,G+@ AD ' ,'B-A->C@
2') f= ,/$0 ' $<]' /
'0 ' /:! / ' /:E @ ' /0 .R3. ' /0 .R'
0 ' / :E' ' /:' ' ' / . ' 7 / :!0'
/0 .:!2@' ' /:!2 !0 ' / E :!' i'
/:E' / :! '0'2 / :E' /:E' E8bH
9

[illegible]

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@ @ @ A+@ 2 ?@A @G@A2 AD ->@C@GA@ 0 0 @GA->C a A
B@>@A@ , ;=NN 0 &" ;LNPM B@A +B@ !@A ->C)
3@A@, > a >,, -A@2 +B @ -A E,@ ,AD@ 2% C@+ C-%C@+@
+B B D@A@ A >G S:!) &'$, PQPK B C@
,->C !@A)@->C - +B@ @ ->A # ,,+B C@ B ? U ,@ C
-A @ ->A ;M=K < 7 ' 0 L< B>ADC@D +B-> AD
?@A - 7 CC@ @C@ @A+ EG +B@ !@A ->C - 3@S - AD
@X > -+-@A ->A+@C %-C+@X ;MPM . B < !& & 0 "&9
.. 1 8@D 9@C @G(2 ' & -C ' & % -CD2 3 +@C
A !@A @2 +B@ -CD - +B@ 5@@2 -C - +B@ 3 A->C
;KNN ' $ 0 * 4)+@ A +B@ @ @A A.2 C@ B@D
%@DC@ 2 AD CC @D +- +B@ B-> @ - 3 @D> 2 +
@ .A -C ;KL= 9 " 7 & $ (K A +B@
G@ C ;O=P2 E>C @D J -> @ .A -C2 D@ $-? ,,G2 B-
D @,+ + $-? ,,G 7 !@,A@ XK) 6 (E((
, ;:L B@G D@A @D +B@ >+B-C +G - +B@ 5C@A B A-E , +G
? . +C +@ 2 AD C@ +@D +B@ C , ? - C .B+ @ .A -C
+- -?? AD +B@ C ? , + CG @C @
!$ ' $!% (($$, 0
, ;LLN (!(LMNQ 89-,E A.(3@C, A -? :V@ U A.
+- \ +- B@? @GD 0 @> @.A->C (@A.->C U E@A
G g+)-C@ +- U A. C+B->C , ;==N &6.0 " (SSS QL 8 -
&, +@a 3G @A ->C2 ,, G@ @@ A- B@ -AA@ A G-6C@ .B+
, ;=MN &2 ' ! " " (SS K !@A ->C 2 @U@ +- ?G @ 2
-C E) GA. - G->C@ E-AG ;PLK - 8 CE (MQ
7 -C B J >, @A ->C @ ?> + +B@G ? ,, $@ I >GCGA.@ +B +
@ B>,D@ +- +B@G ? -E@G@ ;KOL A) ' ' (S S2
0 !>C@,G A-+2 .--D @ .A -C 2 A @C@D +B@ E>C.B@C
: ; $ S $ $ "
$ 1 (
=;SPQK) 8& + -++ @(,& (8! ! (;KQ
!@ A)@->C / > D +B@ + , A @ C +@C ;PKK & (,$, (0
,& (4 4 =;N 5-C B ,?@C ? ,(AD E@DD A. +- !@AG@->C
/ > 0 CC 2 5C A B@? A ;QSK 3 ' . - ;P ;N;
!@ .A -C % ? ,,- AD !@ .A -C ,@ ADC-2 @A+@C@D
* !4)! -E -C? -
? /) ? 2 ? .$
' M) . 1 / / b/ &
/ K $ $ '& $ ') $
) $ $ ') $ +" / ') H 0
* > / $ '& $ &
: :$ O / $ 1 0
;MPM . B < & & (;Q<K 7 . C+ & ' !" $ 0
LPL #J A -A - B@C@D + CG C .B+2 ?> + @ +B@C E@ ,,- @D
+- @ + E, B +B@ C >J@C ++ -A 8+B@ ?-A C BG-C @ .A -C .@
- @C+ A ? , @ (22 -C ?> + E@ -@C @D A +B@ @S@C @ -
+B@ C , ? SK - 9 66 & ' $ ' &) = 90(O(=Q "@C
^ >C-J@) a +BC-A@ B E@@A A C?@D @ .A-C .@
; $ ' 2 3 2
3 (/
3 1 /
!2 3 !2 3 3 $
;=== &!! &% $ 0 ;N< ; 7 B@C- ->C !- @C@ A -CD
+- B @ AD + U@ -C B !@ .A@>C .@ D A A-?EC@ ;P=L
+C * ' (!+ + ;, O & G@A. G @ .A- C .@ \
>A .@ - .-,D@ +@C +B@ C +@ - -C +B@ J->AD@ - +B@
+- @C2 00 7 +B +B@ .A- C .@ AD -GA .@ -C@
) GD@ ;MPK . . 1 ;M<W) & ' (
& ' " K= B + ,@ + +B@G @C@ A-+ ? + U@A A2 +B +
+B@G EC->.B+ 7 -CU +- +B@ 3 A+2 AD & C+ - +B@ 3 -A@G
- A@D +- +B@ %C- A -C !@ C -C .@ ;Q<Q & ' !" $ 0
" LPO /@, @C A. ->+2 +B->+ D@D> + -A -C @ .A-C .@2
D>+G2 -CU? A B J2 -C @ @A +@2 +B@ >,, ,>@ - ,,
E>,, -A EC->.B+ A +- E@ - A@D ;KNP . 3 1 .
$ 0 & ' ;NO >. ?@A+ + -A - C@ @A>@ @SJ@ +@D
C-? +B@ DD + -A , JC- + 2 B B ->,D A > B @
C @2 C-? +B@ C .B+ - !@ .A@>C .@ SKK- . = 0
0 $! ;OP B@C-G ,+ @ 2 @ .A-C .@ 2 -A -G D>+ @ 2
AD -+B@C ?J- + -A 2 B B +B@ &-C+>.>@ @ ?-A C B
,@ @D >J-A ?@) D JC-D> + - OC X , ;KKP) ' , (
5$ - (Q JC = P B@ JC-J- , - +@A ? D@ - D) > + A.
@ .A -C .@ C-? +B@ A+C A ,>@ - +B@ - A .@2)
$!" 2 9 - L) AG JC- + B B +B@ !+ +@ .@+
C-? A-+@ C >, + -A2 @ .A@>C .@2 AD +B@ , U@
<$ ' 2 !2 3
/ 2 2$
$ SK) = B. 0 ' 0 SS OMP 7 +B +B +
D-? A +B@G B D ,++,@ +- D-) +B@ @ .A-C .@,@ @D
-A + A A +B@ / > BG - %-CA ,,
$ ' 2D P) 4 ! %]_
b] .D G 2 2 !2
!) 4 ! % M]/
> ' 0G +0 > $ $ 10 / M $
$ $ 10 / 2 2
3
3 $ 1 0
;KNN $ 0 ' ' 0 0 L;K ; &@CB J @ .A -C .@ A@ -
+- .- @CA ?@A+ -C J@C? -A +- AU A@ @,,
9 $ $ 0 1 0 '
/ / $ K $ $
'& (3 $ ') 0c] I ,
$ $%+& ' & ' 0)) 8 K-<(LKM +B@ @,D@ + +@C
B->,D + U@ B-? .@ - +B@ G-A.@C2 B@ B->,D E@
@.A -C@ @ +- +B@? ,, S) +C ' > C &%0 ? .0
=P< ONN -? A E@ @ .A-C@ @ >D ? A E@ +@A A+
SM S +C V , ' > &) 8;MPL(L;L 7-? A
! .A -C@ @ + U@ B@C @A A+ +- "> E AD
9 2 / 2 $ 1 0 K $ $
'&) E($ 6 $L O /
3 $
$/J/) & (SS O<; B@G ->AD@
.C) + A-?EC@ - DG@ AD D ?- @, G2 B- B D +B@
G.A -C +@ - +B + ,@2 S)) 7 $ ( ) - 0 ;N 1->C
- @+-> *-A. A. +@C C B@ 2 G->C ?E + -> B>A+ A. +@C
@)A -C + @2 B @ - -A@D +B CC@ ;P<K 1
? % & !0 7 U 8 C- C+(P=N B@A B@ +-
,-- @ +B + @ .A-C + @ B@ , ?@D - +B + , AD
$ $ (K $ 1 * $.
G $ " $
$
4KLL 'A) ' ' 0 S 2 1->C @ .A -C B J

2/ S ? > ?9 2 .N? 5-C?
(7 E+0- #@ =- E0 - =7 -L+ =- 7W0+-U
% =- M37L+ ? - -07+ =- M37W0+M
=- +7E0+ % =- M7E0+ =- =70+/ =- 7E0 -
! =- 70+ =- 70 -P , - 70 j / =- M7W0+
=- M-70+ j ! =-E+-70+M =-+ 70+-
=-+ E,0/0+- # ==+ 70- =- E0 =-+ 7E0
+ -U # =- -0+ # =- K E0 - =+ K 70+U
# =-K 7E0+ =-K 70 - =-K 70+ >! =-K 70
- =-K +7L+-U =-+K -0+@ =- K 70 , / j
=- @ 70+ # =- K E0 #@ =- K 70+- =-+K @
7,E/0+- =- K 7E0 7 +,- =-M@ 7E04- # !
- K 70 - ,!=- K 70-8= j KE 70+ =- K - 0 -/
! ") %& 1") %& @ J C '$
C %
*) 5
7 A '& $ I) ' & $(: '& $0
- 7 7 3
, -CD B J2 D-? A + -A2 - @C@ .A,G2 4 0
+ SL<N ! ' 0 0 ;;P LON B@ B DD@ - - @A@
,@ B@ , - + J@ @ .A-A) ;L<Q $ < . B $-" (LKPK
" @ -,D@ @AD@ -C +- AA@ @G.A-C @ E->+@ A -)@C
@AD@ ;L V 0 ! (P<Q 4 +D 3 ! ("@ B , B EE@ @Y
.A-CG@ # B C->AD@ ?GDD@,, @CD LQP B ?) ,
46 O<K %- + - @A)B-CG , 4=NN $) $" ? . 0 LSP<
B@ ? D@ @++C@ - @ B@ ,-AD AD JC->GA @ B +
C@.@G B DD@ A @G.A- G@ ;=PM $2 -
8! ! (ON< SS 3-AG B *>C, D ->A AD @ .A->CG E@
G - D@D@2 AD A- B+ +@ G - , @ $&>& L
;; 8;KKL(MM 7B A +B-> B +@ ?- +@ @ .A-> G@
AD ,-CD B J + ? +B-> @+ $,W=Q ! > $) '
$ =MQ B + ? AG G@C@ D D B-,D > B @ .A-C @ $ $/&
' & ' 0(' 0 B@ >CU@ EG +B@ D -CD -
BC +@A JC A @ B +B ?J, @D .C@ +,G B @ .A - G AD
D-? A -A ;)LK 2 0 @D L(B@@
->,D2 D- B-? .@ +- B ?2 B@ B->,D C@ @J+ B @A -C)
L% < '$, 0(' 0 %E 2 A@ ?-C@ &-6
+ U@ 3-,, 2 8 B- A ++@C !-G(@ 2 B M !@ .A@ -C @(;MK=
& ' - * !0 0 $ ' ; + ON 7 B + @C@ +B@ !@ .+ -CG - +B@
7 -C,D2 E>+ A +G - A + @
K " $%$ &) '& U $& % - % "
* H B % ' %) %
$ JO ' ' &%< 0 SS S2 + ? G E@ G#>C @ .A-C @
C .B+ 2 A @C@D +B@ .> D@ 1 (SSS
; * ,0 C ' - - % * % D * ' P
* % & %) * % # -) - %
4=M= &!! & % $ (0 PO= ; C+ ,@ - E@C+@@X +-
!@ .A-C @ JJ@C+@GAGA. ;P) A (6(O .@A+ & ' $!
,(8 !JS(;Q; 7 +B > B@ @.AG-CG@ AD JC@ @C?@A+ - +B@
DD >AD@C+@A >A+@ +B@J@C -JA@ - ++@GA +@D B D E@ -C@
+B@ D ++@GAD->S2 SMLN+ (9 . * & &' (3 %
L ,@ A. +- +B@ 9 A. AD +- -+B@C -CD +B@ C !@ .AY
-C @ AD 5C A B @ $ J& 7 . % 0 .0 S =QL $@Y
@C A. +- +B@ B @ @C+ A C .B+ - !@ .A -CG - @C +B@
C@ J@ + @ D-? A SKW L (C ' ' 4S 8;KQO(;KK
: ?@ +B->.B+ 2+B@ C .B+ - @ .A -CG +--, +.@
9 % 6 '- % ' - - % * D ' E .
$ 2 6* -& * % - * - % *
%
' & " $** ' $ ' (' & * ' & H @@ I>-+ SKKM
OG -?@ C +@C ' & "B E@@A > @D @ I> ,@A+ +-
T @ .A -CG A .C- '
;=MM C& & ' 0 OKL B@ C A%@ +DC B D E@@A J- Y
@ @D - ->C+ AD @A -CG A +B@ +- A - & +-A ;=KL
&!! & % $ (ON= O AG @A >A+ B-(DGA. EG
9AG.B+ @C @ EG C@ -A - AG !@ .A-C @ #C -CD) JJ
0 !%! $ " !+ +2 P AG J@C -A2 B A. !@
.AIC @ EG C@ -A - AG % +@ , 2 ^@+ a - B ? B-,D@A EG
9A B+@ @C @ ;PKM : ' 0 !0 ;;L ; A
&! ' (3 ++B@ D D @@U@ +- >CJ@ +B@ A ?@ -
@.A -C @ - +B@ #A@ ,@ 2 AD +B@ D-? A -A JJ@C+@ A A. +-
+B + @.A -C @ AD >CA ?@ 4!<Q O ' 0 (;
,, 7 @C@ G-> A-+ C@ +-C D - ,, +B@ / >U@ - -C -,U@
!@ .A-C @ 2 1->C -E,@2 AD C .B+ @,, C@?@?EC@D 5 +B@C
: ( )) ($!0 =L "@ ? G B >@ +B@C@EG
U AD - @ .A-CG2 -CD B J -C .->@?@?@A+ A .C- @ ->@C
B @A A+ EG -A+C + -C ->@A A+2E>+ A- 3 AA@C SM--
! - 0 & - 0 $2 8;MLN(O +@A A+ A A @A+
D@?@ A@ E@ D @ @D EG +B@ 4S C 2 B@C@EG +B@ @ .A -CG
> J@AD@D2 5C A U@ @@ A- J,@ ;MPL +C E 1 >
2 $ 0 ? (M ? A B-,D - -CD2 - !@ .A -CG
A .C- 2 B B A-+ AG 3 A-C2 -C B B !@ .A -CG B@
AA-+ U@@J AG %->C+ ;QLN 3 9 7 ') LN
@ +B@C ->,D B@ -CD ,@A -C +C A @C B !@ .A -CG -C
!>J@C -C +G +- A-+B@C2 +B->+ +B@ %-A @A+ - B &@>D
+ CG ;K== :2 9 $!C &*0 8;KQ<(LOO O G +B@ .C A+
A@ - A @ + +@ A ,@@) ?J,@2 B@ A@ @ C ,G J C+@D +B +B@
@>D ,J@) @W -A B@ .C A+@@2 B- @ @C2 E@ ?@ B +@A A+
B ?J,G B A. C@@ +@A A+ A @@ ?J,@ ,,@D
@ .A-CG ;KQP 7 $!C &*(2 L 8;KQM(PN ' & (
+B@ ,-CD C@+ A@D A- , AD A BE - A B AD 2 E>+ ,, +B@
, AD +B A +B@ ? A-C @C@ B@,D EG C@@ +@A A+ 2 E@
D +- B @ @ .A-) -C @ .A-CG A .C- SKKM ' '
," ,!0 ? (4 4 MOL O B@G ^ @ .A-C @ a C@ C@. CD@D AY
-CJ-C@ ,B@C@D + ?@A+ 2 AD C@@ +B@C JJ@AD A+ -C A .C-
@ .A-CG JJ@AD A+ J @ +B +B@ .C A+ - +B@ ? A-C H
@ .A-CG A .C-] +B + @ .A-CG B B B E@@A
@ @C@D C-? +B@ D@?@ A@ , AD - +B@ ? A-C +- B B
-C . A ,,G JJ@AD A+] ?> + E@ J@ ,,G -A @G@D EG
D@@D - .C A+
5* %% J5& ' % * - % D
*0 ' - %
7 B L *% % 6 C% 6 % A
;LLK B & ' (8;KSN(=< 7B A 9A-+ +@ E D C@
@G>@D E-)@ E@ @ .A-C @ 2 "@ J C+@D E) ,-AD A ->C@
J C+ @ 2 S)) L $" & % . M I C@ ->C@ ,-AD@ 2
@,.A-CG@ -C +B@C +EGA.@ 4PLL L , O= ' ((Q
&C-> D@D , G@ 2 +B + @>@CG ,-CD@ ? C B@C B >@ +B@ -C
G+@ +B A +B@ C @G.A-C @ 2 , E@C+ @ 2 D 8)ACa C >A
E@ @ C-G ,, SM- ' . .) C! ' " 0 SS S & " +B CD
!@ .A-C @ - !B C@ +B@C@ +B + .-@+B +- J ? ;MNL
: 0) . 8;MLK(Q; B@ @A@+ A EG B-?
+ B-,D@A J C+ - +B@ C @ .A-C @ ,?- + A B>ADC@D

G) @ ;M=M 6 ?) ($, 0 %C ?@ -?
+A+++@D2 +B A +B@ !@ .A-CG - +B J@++ @ &C A J , +G SK K
B 8@D O(: L B@ -D@ - +B@ @C? A 2 @C@
>J@C @D@D EG +B@ @ ,- , > +- ? B @ .A-CG AD JC-Y
A @ B D + - A ;KL< B 5 &! - ;== B@
-CD - +B@ 3 A-C ->,D @ C B -C +-,@A .--D +B A
+B@ @S+@A+ # B @ .A-CG
6 0 (' J / @D 2 ,, J->C@ ->+
JC G@C A+- +B@ -CD - B) >@A P @ C+B +- @AD@G->
+@C +B , @ A@>@C @ A.2 AD @AD,@ @ -G@ A +B@
B@ >@A, @ !@ .A-C @ $;PKM) A 8!- ? ?@C(
OMK A -A@ J, @ , G D AB@C +@D B@ D@ 2 D J- @ @D -
+B@ C A +>C , @ .A-C @
9 & G) % H % - % J L *
% % 6 : -& a 7 7 3 X
4=KP L $ 0 < (KK 1@ ?G.B+ E@ E, ?@D2 @@A +B +
G->C @G.A-CG@ A@ G->C ,-CD@ E@ A-+ B@C@ A- JC@)A+
;PSQ 7 C ! 0 8;KK=(;O B@ / >U@ +B ,, +B@
) AG-CG@ @A+ A +B@C C B +C >?JB , 4MNL :
( ) . 8;MLK(K= # >@C ,, B @? +B@ @ .A-C @ A@>@C
+B@,@ B D .@A@C ,, C@ ;KQL 8 . $' 7U
;K<N ;L= TE@ A@ D@ C@@ EG B B +B@ @ .A -CG -
5,-C@A @ C@ ,,@D J-C+ -A - +B@ @S ,@
!@ .A -+ C2 %
) > J % U- $3 1 0 $ 3H : . "
$ _(B > @ J C '& $1! ') D
7 B 0 : I %) % 6* % 6P
% 6 - % - % -&
$) % & ! $ Q;Q B C @C> + A +B + ,,
!@ .) @?@, @2 3 -AG !@A)@-C E , !GC@ -A ,U GD@ @C
$) % - 6 2M ./ 0 0 ' _&
U) % - K $ 1 * . C &
$ 9 ,
;MLQ A 9> B 0 &!!(8;MP<(PNK AD G@+ + EG
B ? +B> W D B + +B@ 9 A. - A., AD , G B @B D
3 -A C BG $-G 3 AD A-+ 3 -A C BG !@ .A-C ;MPK
. 3 .)) , . $ - * $ ' ;=< GC AA +@C +B@
>CU B ? -D) 3 -A C BG @ .A -C , ;Q<N B 0
8@D O(O;< B@ E B-JC U >C@ 2 >AD@C U A.,G AD
@ .A-C (J +C-A .@2 C@ -?@+ ?@ I> C@D EG >A -C+BG
?@+B-D ;KN< ' ' 0 0(0 C$ * ,, @ .A -C ,
) >C+ - *> + @ C@ E-, B@D A !J A SKKM C $!! $!!
< $00 :>A@ = ; B@ B +-CG - %B A+ ,,G @ .A-C ,
C@ D@A @ .-@ E U +- B @CG @ C,G J@C -D
1 ` % - 8 $ & % - $/ 9-) % -
^ & 0 7 i ; A C ') $!0H
&@C+ A A. +- @ .A -C -C @ .A -C
SK K ' . . (8;KQO(N< !@ @C , -+B@C ? ,,
@?-,>?@A+ - B ? @, ADB > @ -C 2 @C@ A +B + .@
C +B@C @ .A -C , +B A C-G , $ JJ B C ' 0 $
QO; &C- A , >+-? B-> @ @C@ E-, B@D2 AD ,,
@ .A-C , ->C+ - *> + @ 4KQQ = . 1 $.
!& 0" (;PK B , E@C , AD ,? ?+ J,@AD D @S +@A @2 +B
+ @ .A-C , ?> @?@A+ - B>A+ A. AD B U A.
+! @ * 6 - S X@ X 1 0 ^ @++@ C2 ! ,- + i
[8 A @ C,G A + +@C C - " ' & +0
!@@ D - ! #0 X b a 2 0 - B-,D G2 +
,-CD %->)+ ' (& 0
;ML= 7 8 +C $ $,G 0 OM , - @ !+ +@
?@ 2 B- ? D@) ? +- !@ .A-C X@ A ,, @?B, @
/ G 3 S. A 9-EE@CDW - 0 8;K2L(KL -? A
? G E@ 3C C,E@CCG A +B@ C+ - !@ .A-C + A. - @C ?@A
+ !@ !A-C-A 2 L 0 ' (0 '&)) 5M
$L O 2/ ! $
9 2 $ 0($
T&>> L "$ 8 V E2 AD A >-AC J G->C@ @
.A->C@> @ .@A+ ,A@ !@ B C@A@ @G->) D ;=! ;
] <& 3 " ,SSS OQ= A +- +BGAA@C J C+ - +B@ +@?J,@
@C@ ,@DD@ ?-%B- .C@+@ J@J,@ - +B@ +->A EG > +
+B@ ?-- + @GA-+->?G ADC?+ J, @D +B@ +->A
!@ .A-) 2 1 @@ I
!@ .A- G2 J $ 0 ^ # 5 '$ '
') (') @@ Q<(Q V
; ' 0 - @S@C @ ? +@CG
$&>& L ? . k (2 " + GD A JC->@C+
+B + ? A ->.B+ +- @ .A-C @ ->@C +B@ C B@ 2 AD A-+j +
@C>@B + ;=KL <P 0N0 0 L-+ B-CDC@ - D-?GA -
B B@ @G.A-CG@+B E->@ -+B@C +B + E@A ,- @C
;$ $' 0 G 3 $
, ;=Q C$ '$" PN<N @CCG @ .A-C @D >,, , C.@ -A+A
! @ B*@2 -E $
!@ B+,@2 C A+ - B 7 ! +2 1 0
+ L C + AD @ B+,@ !+ A@EC-!@
!@ U @@ 1 H $ 0(
!@62 -E %* . 0(. CD + , 0 C - . &0
!@ ,D@8A2 A8@2 *?2 -E . AD .)
f !@ ,@2 -E . . +2 .
+ ! @ ,@ C 1 ($ 0 ^ ! C . T K
" a # A@ B- T @ , " F . b (B- +
J A+@C -C J, +@C@C
;MQ A O :>JJ $ * ' G 0 8;KKQ(LNL +B @ %-A
J AG # : -GA@) AD !@ ,@C -AD-A ! ! " .
QQQ ;=K O !@ ,@C -C " -> @ & A+@C
K@ ?8WA2 -E -C? - . "
!@ ,, @@ . ! A-JG2 . ! B JJ A@
!@ ,,@2 @ ,G2 -E -C? - . CD ,2 Z +
!@ ,G@2 C A+ - . $0 1 0
2 !@ ?8@2 !@ ?@>+2 -E
! @ > 2 0 1 0 9- 1 & @ J C
' 30U> ('$ E L 5d 0 $' 0 5) -
;LPK C & (' 0 !! A $' (C !&!0 &,(;KMK <2 7
@AD@)@ U C + -J@A @+A@D V >C- @@, K=< >
$ 3 C D@A !0 C! $ 0 - 0 8;K<Q(QN B
C ++@A AD @GA DD@ +B JC@ @A++ +B ?G> - A@ JC-J@
B ADD@ ;MLK $- ! &' C$ * 8% ?D@A(L 7 @ -?? A
G-> @SJC@ U +- J>6 +B@ JC- , ? + ->A ->C+B D
DC >@A >J C G->C ->A@ E AD2 B B @ B @ @ A@D
SMM- & % - *(0 !0 % C B -, !- (;LM "
@ A@D B + +- +B@ -A -C? + -A - +B@ D C@ I >@ +@

[illegible]

[illegible]

[illegible]

: ' - T' 5 ') # ' ' ' % % &
4L ' <) "' $ 2 0 8% > (KP<N2 ' ,+' @ -A' A+-' +BGA'
B AD@' GA'E , @A' D@ ,@' - ' ?G' , AD@
; ' 5 ' # ' L *' * ' ' ' % % &' ' ' ' '
A' D' + ' U
=W-' <& ,2' (;LP') ' VC@ @D (+' ^+B@Ga' -,D 2'
-?? >AD' +-' @G -AA@ B@?' A' B + ' 1 (M); O@CA CD@' - '
!@GA+' 7 ,@CG@' G ' +B@' -C D' +- A@' AD' .C >A+@D' E +' +-'
UGA.' B@ACG' AD' @ GA@D' BG?' 8EG' ' ,U@A' ,-+B2' B@C- ' '
' B@ E,@' ? D@(+B' +B@' ,-CD B J' AD' +B@' C .B+' - ' +B@'
- @CG' - ' +B@' ?@' EE@G
0 ' 5 ' 6 6 ' % % &' : ' % * ' '
% % D' + ' / ' ' .
I ;=LP' &) ' (0' ?$ &!& - %' 8 ' ! (PQ' 1 ' B@'
-,,@' D@A GE +' +B@' UGA. ' - @C' BG?' ' ' +B@G ' ? GB-,D@'
AD' @ GA@' AD' -C' +-') ' -AD@A ?AGD' E@+ U@' BG?' +-' +B@'
,>.G ' ' ;=PN <& &2' 0' ;PP " @' A-+B@C' B ' B@ C@' ' B-,D'
A@ @C @ GA' +B@' ,-AD' - ' +B@' ?@' -C' +B@' D@ >+@' - ' +B@'
?@' 9-E@C+' ' ;PLW' 3) . ' L' & ' LL' ,' E '
.--D@' ' B ,E@' @' -A@D' +-' G ' UGA.@
= ' -' @ X@V' + U@' B-,D' - ' +-' + U@' && (
;PMK' ' C ' 8O AA +GA@' % (S ' F>B A' ,' JJ@C '
+-' > @D@' @ ,' +B A' +B@' + C A@' ^+B@' &, .>@a' @ A ' C>+@'
AD' , G, ' -A@' +
. ' ' 0' - ' @ X@') *&'T
S) -' +C' C&!0' 0' ' T' 0' ' 8%) ?D@A' - ' LM(;QK
%@CD > ' E @' "++@,' AD' , +@,' @ -A@D' -A' +B@' @ +@' J C+@' '
- ' +B@' "@' PML K)' - L W#' ' 0' 8;P) (;KK L' B@' U A. '
- @C' ' ?@ ' +-' @ X-A' >J-A' B ' .--D ' A' +B@' U A. ' E@B ,@'
;PKQ' "($ 0%' &! "' S, 2' #A@' 7@ , B2' ' 9A .B+2' ?@'
D- A@' A' .--D' C G2' AD' @ A@D' >C@2 #A' 7-, @G' -, @2'
+B +' J- ,+' ? AG' ' , ?E@' ;PKQ' - . 7' &' ' 0' &! ' '
' 2' ;P=K ;' !> B2' ' J-A' B-?' +B@' A @ + -A' '
)X-A@D
7 6 ' ' - '- %' !0' 1 0(6* -&' G' ' %1 0'
9- ' ,0(- L '-' % ' -
S=W-' 4 # "' < $!' ' L;=2' ' E , ' %-C- A@' BG?'
UGA.' B@' 3G' @ @A.)' \' # ' 6@' 7 ,-AD ' +-') @A' ??'
@ @AGA.@') ' =<K' 0' C ' "' $!' ,&0' LP) ' B@' ,@+@C'
? D@' +-' B ?' E@B ' D' D@C' ? U AD' B ?' !@ -A C' AD'
.A G +-' ' E ' , AD ' - ' 3 U C +-AA' S 6L' '
' & (' S ' LMM B> ' +B@' UGA.' - ' A., AD' B D'
+B@' J- @ -A' AD' @ @AGA.@' - ' +B@' D> E @ - ' I> + GA@'
0 ' - ' "' <!& ' V ' & $' ' $' 8;KKL(KK I> B' ' B @
D@' EG' ,' -C' +@ + ?@A+) B ,J G@' ,-C' +B@' C @ AGA.@'
(/ J ' ('!@ XAE.' - ' ,--D' +-' +B@' U A. '
@' &'B ,$ &' (
!@ ? ' 8 -,X' ?(' $ (^ ' C' ' @@
! ? - ' $(' 5 ' - ( ) ' A' @ C+B I> U@
;KKL' = , ' $ D)$. ' ' 8SKKM(< - 'E@ -A +@A+' +B'
'#@@U' E ' -C' @ ?-,-) , ' +@C' ? A-,-.G ' -?@' C+@C'
B @' +BC- A' D@' +B@' ?' C@SJC@ -A' ' @ C+B) U@' 2' AD'
>E ++>+@D' +B@' U CD' -CD' @ ?' ' ;<N=%' 9' / B '
$ D)$. ' S, ' QLK B@' @C ,@' A+@A' +G - ' +B@' I> U@'
-C' @ ? ' / @' 3-A+@ >' +@C? +B@?
' 8 'X? ,(2' ' $ (^ ' C' C) + D '
@@ ' $(N" . V !@ ?
;KM=' A' 9 ' ' AD' A' , +@C' / @+
!@ ? ' $O - ' $(@ ' [%' 6 %6" % % *P
K' ' ' ' -" # ' * ' ;" 3
B@' A-C? ' -C?' ->,D' E@T - ' , ' 5 ' - D) (H
I % ') ' % - ') ' 6* % 6 % 6' ' 6 P
6 ' L *' % % ' 6 ' &' ' % *K' ' % *P
K' ' %' % *" # %
;KPK = ' A' 0? 0' &,(;' Q B@' J@C -D' - ' +B@'
G@' C' +' B B' @ ? ' +-A' JJ@ C +-' E@ .C@' +@' ' 1 (
;K 7B@+B@C2' ' @ ? ' C@ -A2' -C+B@CA' C ' B @'
@A+C@' D +>CE A @' - ' +' - A' ^@' + A' S!GG ; B) ' A' '
' ' ' !0? ' 0' ' MX ' B@' D@J+B' - ' +B@' @ ?-->' ' ?@' ,@'
D@+@C? A@D' 5-C' A @+B@' ' @ C D' +B@' C-?'+B ' - > 2 AG'
+ -' ' @ J +B ' B@A' JC-D> @D' E U CD' ' ?@@' + +B@'
@ ? ' @A+C@' ;KKQ ' " ' 8 ' A' & ' (0' 5@E'
OMQ' $@. -A ' >E' @ +' +-' @ C+BI> U@' 2 -C' @ ' C@
' ' ' ' ' ' ' ' D' < Q '
6 --&' $ (' L *' %) % ' ' % *K'
;K)' = ' ' A' *0? (&,(' MQ ' +B CD - A '
C@ -A2 - ' B B' ;' ?A-+' C@' +B +' AG+B A.' ' UA- A'
@ ? ,G' ' ' , $& 'M - ' 0<;'%-A D@C E,@' +?-Y
JB@C ' AD' @ ? ' D +>CE A @' ;<N=%' ' B ' $ T'
D)$. ' S ' O=P ' & 0 B ' - +G' @C+ A,G' @ ? ,G
@A + @ -A@' +- D G' 4<NP ') - ' 0< :> G' ;LQ L' B@'
C+-.C JBG2'.@-,-. 2' ?) A@+, 2' @ ? 2 \ 2' - ' + ,G2
!@ ? +G' O ' ^ ' ' i'
2' ; ') - , E' W ' ' ' ' U -- % 4'
5* ' % K' 6&' %' ' % ' % *K' ' '
% 6'- % 6 ' %&0' * ' ' %' %)' *
;<N' = A' ' ' !0? 0' 44 ' MNL ' ' @' J U ->+'
+B@' @ ? CU@D' @ C+BI> U@D' +C +' - ' +B@' -C,D' AD' @
+-' @ B- ' +B@?' ' @ ? +G -C' @ C+BI> U@' C@I>@A G' J@C
>A +' C@' - ' -A@ +B CD - ' +B +' - ' J A2' +B@' -A > -A'
CC @D' +' ^@+ @A+ 4<N=%' ' B ' $ D)$. ' S '
O=L' B ' + +@ ?@A+ .C@' +,G' ,+ +@' +B@' G' +- C@'
A>?@C' ,?@' >C@' - ' @ ? ' +G
!@ ? A 8 X? X'?(' ^ ' C' $ $' 3 ' 8 @@
- (i' +a' B@' JB@A- ?@A' - ' @ C+BY
I> U@' ? - @?@A+' ' -,,@ + @,G
;<NO A' 1 ' G ' %%' 0' ;<;N A' ') "' 0' %*E
!@ ? - ' -?E A A.' -C?' ' C' $ $ 513 ' 8 @@
' $O+0 !@ ? - @BC- >-.C JB' 8 @@' IA-+(
4KQM $ $!(0' **$ $) 0' V ' ' &' ' =L=' !@ ?- BC- '
A-.C JB2' JJ C +> ' -C D@+@C? A A.' +B@' @S +' +?@ - ' A'
@ C+E)>)@
' O) $ ' ^ ' "a'
7 ' - ' ,@ -)' - ' ')% *
;K<4 A' ') "' (;K<0 $) 9 /) ' ;PM X !@ ?-Y
.C' ?' B @ ,C@ DG' E@@A' C@ @ @D' C- ?' -C-A+-
!@ ? - . C JB' <O ')% 9- ' "'
*("' ;" 1 ' A ' ; - & $%&' I - %
%' -& $* H 9 ' %' ' % % 6 %)'
' 6 --&' * ' * ' % *K'

$ /J ' S ' 9 . ' +C' ' !$' ' ! , "' ' PNK
A' JJ C +> B B' B@' ^& ,? @C a' B ' D@ .A +@D2 >AD@C
+B@' A ?@' - ' ,@ +C- ? .A@+ ' !@ ?#. ?JB' KM@ - '
M6$' (;N O " - ' -A.' +-@' @C> J+ -A' ? .B+' -A+ A>@ & ,
?+@C' B D' A- ?@ A' - ' >, + A.' C +' ' - A.' -A'
-,@A+,G ' @' @C2 AD' B ' ?-.C JB' G' C@. +@C A.
OKKQ ' " F M ' A' & ((5@E' OMO A' +C>?@A+'
EG' B B' +B@' ? -+ -A' - ' +B@' .C->AD) D>C A.' A' @ C+BI> U@'
' C@ -CD@D' -A' A' >C +@')@' - ' + ?@2' C@' ,,@D' @ ?-Y
.C JB 2' -C C@ -CD A.' @ ?-?@+@C
$ ' ' 0' O>0 < ' =) ' < 11 ' ' S ' ;QM " '
->,2' ,U@' ' D@, +@' J C +>' ' @ ?-.C JB2' C@ J-AD@D' +'
-A @+-' +B@' @ ' +C@?E,@' - ' A) BE->C,A.' ->,
$ 1 0 SJ- ' 8 .' 0' * $ ' ' LL3.' KK O B-> AD'
- ' @ ?-.C JB' C@ -CD
" @A @' !@ ?-) .) @C2' ' @ ?-,-. +' = ' (
(;K<;(' !@ * ? - .C J? 2' !@, A - .S J, '
- ,' $ B ((' -AA@ +@D' +B2' ? B@D' EG2' -C' C@, + A.'
+-' ' @ ?-.C JB' - ' -C' J@C+ A A.' +-' @ ?- '
.C JBG' ' K@ K? - .C JBG2' +B@' D@ C J+ @' @A @
@ C+BI> U@ ') - 2' +B@' > @' - ' +B@' @ ?-.C JB'
A' C@ -CD A.' D +>CE A @' - ' +B@' C> +' - ' +B@' @ C+B
$ / ' = . ' U' *0? 0' &,0 ;' & ' X' !@ ?-.C JB '
3 J- ' +B@' 7 -C,D' KMP 7 ' $' 1 .0' < &!0' - ' 8@D' O(2
'& $* "(") 0 0' L-3C #,DB ?'D +AY
.> B@' +BC@@' +GJ@' - ' J>, ' +-A' A' +B@' @ ?-.C JB ' C@ -CD'
- ' D + A' B- U
!@ ? -,# . -2' ;' f A@S+
4<N=%' U B ' $ D)$. ' S ' OL< !@ ?-,-.@'
-E @C + -A
!@ ?-,-. ,8 XA>V D U \,(2 (' ' ^ ' R
. 7 ' i' % a' # ' -C' J@C+ A A.' +-' @ ?-,-.G
;KPN= ' ' *0? (&,(') ' !@+ A)) ?,' B--U)'
SKK-' = ! +' C A +-A' - ' +B@' !@ ?J,-. ' , ! - @+G -
: J A' - ' ;KKQ ' " ' 8 A' & ((5@E'
OML' ' @ ?-,-. ' -E @C +-CG
" @AI@' !@ ?-,- . D ,) $ 0%(D ' ') %" , (
!@ ? - , - . + ' - ' 7 ' N" V' A'
A @ + . +-C' -C' +>D@A+' - ' @ ?-,-.G
K %' ' A' $-1(" - !(Q' - ' Q;N ;' B@'
?-+ +@? A@A+' @ ?-,-. + ' <NL ' " !(? (4 4
MN=+' B@' -CD A C@' JJ C +> ' @?J,-G@D' EG' @ ?-,-. + '
!@ ? -,3 A@' 8 X? .(' $ YH' ' R
"N". 7 ' + ,- .>@' - ' @ C+BI> U@' -E @C Y
+ -A ' D@+ ,@D' ->A+' - ' @ C+BI> U@' JB@A- ?@A
7C-A.,G@SJ, A@D' A' -A +@ + 2' ' T' @ ?-,-. '
K) ' = ' A' (? (&,(;' B@' , E->C - ' ,-,Y
@ +A.' AD' ' > + A.' >C+B@C AD' >+>C@' -&!& ,
E@ +A.' .C@ +' D@.C@@' +BC- A' G2' >A,@ ' ^@+ a
!@ ? - , - .G' 8 - X?)) , D)(' ^ ' " i'
' % ' , +@' < (')d * &V " &) ' +C@ + @' -A' @ C+BY
I> U@ a' B@' @A @' AD' +>DG' - ' @ C+BI> U@' 2' AD'
+B@ C' > @' AD' @ @ + ' AD' ++@AD A+' JB@A-?@A
;KPK = A' *(? 0' &,0 ;' B@' @ ' JBG +'
BF C@' @A. .@D' A' !@ ?-,-.G' %' B) 0' &, '
" ' F B@' EC A B@' - ' JBG ,.@-,-.G' UA- A' ' >, A ,+G'
AD' !@ ?-,-.G
!@ ? - ? @+@C' 8!<X?J ? +< (' ^ ' "N'
3 $a' A' A +C ?@A+' -C' ?@ >C) ' +B@' AY
+@A +G2' D C@ + -A2' AD' D>C + -A' - ' @ C+BI> U@
" JC + ' ' @E?-?@+@C' A- ' C@ -CD +B@' C' -E @C +-A'
>+-' ? + , G2' B@A @' +B@' A ?@' E' > @D' ,? - +' A+@C' B A.@Y
E,G' +B' - & $* ' 8I ' 2(
U &L # ' - ' 0' C !(' $ ' (4 ' ' OON B@'
@, C@. +@C A.' J C' + ' -A' JJ C +> 2 B' 3C ' / D'
3 ,A@' B ' +@C?@D' ' !@ ?-?@+@C' KKM 6 0' ' 8 7 A'
' ' !(? 0' 4 4 ,2' MOM O - & - ' B A ?@'
-C . A G . @A ' +-' A +C>?@A+' D@ .A@D' +-' ?@' >C@ +B@'
?- @?@A+' - ' +B@' .C->AD' D>C A.' @ C+BI> U@' 1 0' MOQ X
B@' +@C?' @ ?-?@+@C' ? G' -A @A,G @D' +@AD@D' 8 AD'
' ' B@C@' E>AD@C +--D' +-' ' @C ' A +C>?@A+' B B' C@'
D@' ,A@D' +-' ?@ >C@ @ ?@A+' - ' +B@' .C->AD
!@ ? - ? @+C ' 8 D X?)) ?@+C U(2 $0' ^ ' "
3#3 1 i' a' # ' #C J@C+ A A.' +-' @ ?-?@+CG2
-C +-' ' @ ?-?@+@C
;KPK = A' *0? 0' &, (' QO @, @' G@ C ' .-'
+B@' -A +C> + -A' - ' @ ?-?@+C ' A +C>?@A+' @@?@D' '
-?J C + @,G@ G ? ++@C2 S) J' # 8 ' ! - (< &!0')
6 ' ;OP ' AD' 8 E@' +B@ J- + -A' - ' !@E?-?@+C ' -EY
@C +-C @
!-' !M ? - ? @ +C - ' $(^!@@' " .V
SKK' ') - ' Q 3 C' L;P L' B@' - >CC@A @' - ' ,-A.'
-A+ A>@D' @ C+BI> U@DE+>) A @' A' ? A 2' >. . @' +@D'
+-' 3C' , ,@CG' +B@' JC- JC @+G -' A + +-+ A.' +' +B@' -E @C +-CG
-?@' -C+' - ' @E?-?@+C ' JJ C +>
!@ ? - ? @ +C - .) J B ' ^ '
F -?E2' -C?' 3 - & ' N" 1 V ' @ ?-.C JB
4K<=' $) ' < >.' LMO ,' B@' A@ ' -A+ ?-> C@ -CD'
@ ?-?@+C-.C JB- ' +B@' %-,,@ .,-' $-?A-
!@ ? - ? @+CG' 8 @X?J ? +C (' ^ ' " i'
3 1 a' B@' @A+ ' +>DG2' D@+@C? A + -A' AD'
C@ -CD A.' - ' @ C+BI> U@' JB@A- ?@A 2' M J' EG' ?@ A'
- ' +B@' @ ?-?@+@C' +B@' @A+ ' +>DG2' +B@-CG2'
AD' JJ. +-A' - ' +B@' @ ?-?@+@C
;KPK 3 0+ A' *0? 0' &,0 ;' QO ' +B@C@ -C@ JC- @@D'
+-' -?@ -E @C +-A' >J-A' A+C>?@A+' @E?-?@+@C ' AD'
+B@' -A +C> + -A' - ' @ ?-?@+C ' ;<N' A' ' " !0'
? 0' 44 MNO O B@' @ ?-?@+CG' D@ @ -J@D' A : J A'
C@ ->+ -A X@D' +B@' @E?-?@+@SG - +B@' 7-C,D
!@ ? - -J@' 8 - X?) UD J(' ^ ' " i'
!%#& a' ' ?J,@' -C?' - ' @ ?-?@+@C' ' -AY
+C A @' -C D@+@ + A.' -C AD +A.' +B@' - >CC@A @'
- ' A' @ C+BI> U@' B- U2 -?@+ ?@' - ' AD +A.'
8 +B->+ ?@ >C A.(+B@' A+@A +G -C D C@ + -A' -
+B@' @ C+BI> U@' @
;KP; ' A' *0? 0' &,0 ;' QOK B ' A +C>?@A+'
' B ' @ A ?@D' +B@' !@ ?- -J@' 4KKQ ' " F M ' A'
& ' (T 5@E' OML' A' A +C>?@A+' B B' +@,E -A,G' +B +

+B@C@' B ' E@@A' ' B- U2' @C +B->+' . A ' ' C@ -CD' - ' +B@'
A +>C@' - ' +B@' ?- @?@A+2 E' ,,@D' W@ ? -)
7 6 ' 0 06 < ,<$(
4KKQ ' A' $) OM #+ ' MOQ O B@' C@ -CD' - ' ?-+'
- ' +B@' -D@C -C?' - ' @ ?-.C JB' AD' @E?-?@+@C 2 A'
-A,G' E@' C@. CD@D' ' @E?) -J
2' 8 K X?-V@ J(' C$ 0' ^ '
[' $% 5 3' ' B U A.' 8 @' D ' ; 1 V'
8!@@' IA-+(
4<N;' F ' ' 1! 0' 0') $ N./ - & $*"('
' !2 '3 ! $
' 8 X?J+U(2' $0' $ 0' ^ ' [%' $)$*03
' 8 @@ ' -(i' " V' !@ ?
(?' T $ ' $' $ $' ' ONQ ' & 0' B@' >?J+ -A'
+B +' % A D ' E' E@G-AD' @ ?-+ ' A >@A @' E' A-+' E-CA@ ->+'
EG' +
!@ -A2' !@ -C' @@ !'
!) 2' !@ >C@' @@' !' UB
!@ + C2' C A+' - ' ' &1 0(+ ??
) ;P<N : ' X A) ' ' ' A' ! EE ,D &' 0' C 0'
8;KNO(' =MK C>?J@+' AD' +?EC@,' ? D' .C@+E@C2' 7 +B'
A +C>?@A+' ?@,-D -> ' B@' @E+ C AD' +B@' >?JB-A' ^@+ a
!@ 6 C@2' !@ X' @@ UB !'
!@ +2' -E ' LCD' A. ' AD' JC@ 2' - ' X
!@ +2' -E ' ' !' ' !@ +@2' -E ' ' 1(
!@ +,S2' C A+' - '
;Q ;' 5 $, ' (&' ' 0' ?) ' ,& 0 8;KKN(2' P;P
B@C@' B ' E@@A' +C D@' - ' E CC@,,@D' -DD 2 6A.2' AD' @ +B' B
!@ +B2)' -E ' -C?' - '
2' % ' $ (@ ' F ' (' F'
- B' ' 1 3 ' 5* ' L * 6*' 6 ' ' *
- ' - *
[QN<' ' $! ' - ' ;Q=' &' ' ! -+> 2' +-' DE+ A >EB' +B@'
$ @- ' 3 AU AD) ' @ ' @ @C@' AD D> , - ' +B +' !J@ @'
B +E@' ,' ' !@ +G2' -?@+B A. J@ >, C +-' B ? @, ' ;QLL'
+ , ' ? ' ' L=0 5-C2' +B@ @' @C@&' C+ 2' - ' / @AA 2 0-CA2
+-' / @' 0>+2' +B@C@ ' -E,@C' !@D+G2' E@B AD' " E' $@ ,-A'
D @' A-+' ;QM, ' # B!0' $- 0'
0' 8;QQ<(' J'SS 2' #>C' #,D' 7C +@C ' +B->,B+'
A-&) -A ,@' B +@ @C2 >A -C+BG ' &, @' A' +B@' / C ? 2' +-'
B B' +B@G' ->,D' AA@S B +' ? G E@' ,,@D' ' ' +B +'
E2' +-' B B' +B@G' ->,D' AA@C' AD' ?J,-G@?@A+'
J@ > , C+ ' +-@ , ,-+' 3 AA@C' ' A 1 ') T T
+' KL' 8 A' " AD>' +B@-,-.Ga' !@ +G E' +B@' J- @C - ' A A@'
@, ? A @ + + -A2' ? A' E@A. ' +B@' ?@@ @A+ ,,G ' -D'
!@ @2' !@ GD@b' -E ' ' 3 ! ')' 1(
<<O H- ' $0' C % B' ' -
YJ - ' - ' 1' -- ' 0 - '2"' O$'
- ' @ ' ' U ' / ' S' ' 9C ' $1!'
66 ' %' 9' ' 1 K ' -' ' ')' 0 '
% ' ' ' ' * ' # % ' A* -&' ' % % &'
* ' & - L '--&' ' 0
=M;' &!! '& %C$ 0' ' =Q< - +' -C @ +@D' A-C' -C @ + E,@'
b' A-C' !@ E,@' A+-' AG' - ' +' @ C E AD@' ' =KL' 1 0 O=K S
) + 6)% +@,,@ E ' A-+' -C @ +@D +-' +B@' 9 GA, A-C' E@'
@ @6@' A+-' BE' B ADG' EG' B JC@ @A+' ' ;PO= ? ' 5 0'
&!!' ' ,& (44 ' =MQ -' @ AD' J>+' G' BE' , AD 2'
B@C@+ .) ^@+ a > ' +B +' B@' ' @+' A +B?' @ X@ E'
+B C -C@' ' (1 0 0 <& 0' ;< + ' +B@C ' ' +BBB' +B@'
& C@A+2' AD' @ X E @ EG' A> >CJ@C ' ' +B@C ,--D ' C@ ' (5?'
& - $ ' & % & ' & ! 0 ;O< &C +0' JC-J@C+G ' +C A @CY
E,@' AD' @ X E,@' -A' JC +@ >' ' ;KSP = '
$ "=HN ' S ' LLP % C+)' . . ? 2' AD@ #CG' @ X E,@'
@B ,@' @C@' >AC@? ++ A.,G A ?-+ -A' K=M B ' & 0
C$ ' (H H0' A ' ' e' $ ' ' +B@' B C +@C + ' -' +C>+B'
+-' E@' A' -?@' G' + A. E,@' @ X E,@' D + A.> B E,@2 AD'
@ C' ;KON $!" 2 ' OP :> G'= ' B@' JC A J@' ' DD- A'
A +B@' / @' ' C + -A' - ' +B@' %-A. C@' - ' & C ' ' KPM C@'
-,- '] ' LD' 3@C B AD' @- ' A@>+?, 2@S @J+' -A+C E AD'
- ' C2 , A.' >AD@C #A @A@?G' ' A-+' @ X E,@' = b'
$2' - ' 44 OO< ' B@' J@C -A' E +G - ' +B@'
- , ' C@ @ @C' -C' ?E++)@' ' +-' JC-J@C+G D ?E,@'
@+ ' -' ' +B@' @ + @ '
A ' 0 ' 0' C ' B' " O' ' "!' &
" ' ' " ' ' & ' !' N" ' !"' '
' ." 0' 1' & ' "2 '
2' ' 1 " 0' 0 ' 2 ' 0' $) 0 0 0 .'
6 ' 1 " 2' 6 ' 6 0 ' 2' 0 ' ' 0' 1"'
0 ' ' @ ' 0' $ (' ' $ ' +' '
' ' ' ' ' ' ' ' '
* - ' ' a' I%' $0 ' L* 6' : ' $ +' C% *'
F ' 0 *' 6 ' $, ' ' * ' *% ' $ ' * &* $- 0'
%' $ * &* $ ' +' $, (' ' ' H' L '
' ' % ' % ' 9 ' * ' L % ' $, '
' % - 6 ' &' *&' ' ' * % Q - ' *
% ' - ' %6 ' 6 -& ' - # ' ' *
5 ' T $ B$' ' - 6 ' ' D'
: ' 5 ' ' '
: ' N$ 0 : ' 6* 6 -' ' #%% ' j $' 0
5 ' ' % ' -) - ' &' ' ' -
* -)0' # ' %' L' >2 ' % % &0'
- *' ' $' * - ' %' ' 6' %') &
) "&' ? . ' ;) P' A' !' ' 0' ;PP' J@' 9 A. @AD@'
AV+-' @A.@,-AD@' 5-C+-' ' C B@ACS ' -A@' ? D ' UA@'
D-?' 1 0' ;QNK J@' D@C @C>@D@' J@ -A@' +J@' ?@+@ D 2'
AD' +B' C@ >?@' +> @D@' B ?' ;O<0' $ +-> ' 8$-,-
K<<;' -2 G ' J@C J +,' ?' 5-B@+> ' -A@' ->C+@B@' @'
2- - ' & !&.OP;K "@C' B' G @ J@ +A' ' J@ -AD@' A'
' @' *2' ' V 0' ! 0 Q<P' 8 >D' 3 !'(2 O CC @' B@' C' ? @'
AD' @ @ J@@ ' J' B ' @@ ' ;=NN 0 , &B' A-'
!) +>C' AD' - ' @E@' @ ' +B' EC-+EC ' 0 & ' ' $') , (
@+ ' 8!>C+@@ (OO; ' & ' 0' 7 J' ?' G'E-DG'G' +B@' -C B J@2' AD'
J+AG' , -+,D6 E@ ,+@, B@E@ @ @2' ; = ? "' 7 "
C +' @ D A +B@ !B JJ G @' ' ' ;=N' %& - " &' ' ;P<0
J-?GD-A' @ GD' BG?' A' B' , AD@' AD' G' @BG?' +B@' JC- C+@'
-C B U@' =Q;' ' L ' " !!8!-?C@(M<L 5-C
' ?- B@' ' & C>' ' +-' G C .B+' D@C@ A@ @' ' +B@' A@S+@' @G@C
' @ @' BG?' A- ' +B@AA' V=KN]' &' 0' ' 0' ,S

U=E2 B@ ,-CD@ - ! -+, AD2 -?@ +- UG-. D CD -
@A.,-AD P @ @D BG? A ,, +B@, AD ! -+, AD B C B @
,-C-2 ,S -- ! ' 6S LPW 7 ,+ +B->D@AG@ G +CGE>+@
+B +- CG.B+ ->.B+ +- B >@ J-A +B@J-? ?@ - +B +->C@

@ GD ;PP< $1"$. 1'(8;KS;(QS; : B B@+G?@
D- +->C&-A@+ @ @D A +B +E B-JC U@ 4KLMC ' ' "
",!0 OOM O 0-C+B U E D I> C@D C -> +-D E>+
B A. @ @D B -A : ?@ A @ @C - +B@?2B@^@+ a

3 %(=()- - 70 U *7 3- *6-
4-K(4 L7==-==70 7? %60(=-= - %
,(1 (70 -*D /
*7 3- *6- 674<-0 7?*6- ?-- = 1L4-

" (-?@+ ?@ > @D)) b @ - +B@ JC-J@C+G
A I>@ + -A
;L 0X (X (!! C (=;Q2 \ @ @D A ,,@ BG B@CG+ .@
" G ,@ ' c]RR A X ' (< 4 N@&+ LMO J@ +@A@?@A
@ B@ B@ D@GD G) G D S) G C&E & % C$!E L;K O
@CG J@C -A@ E@@GA. @G @D - ?D@ 2 A BE D@?@ A@

[illegible]

'

#

;MP<' J ' ' ';N ' B@' J A' +D'@..@' C@' @'
*>A.@ E,@'^C-'$!!' ';MPN <Oa' C-?'+B@' B' AD' - ,Z AD'
G@+' +,'C@+ A'+B@'JC-, U'J- @C - '.@A@C + -A
-J'73='?' O' K U'73='L('*'7? 0
-J' -J-'73='?701='7? 0' 0
-J- ' -J-0'73='?701='7? 0 ' 0 '
-J4' -J ,-'73='?' $ 0
-JJ'73='?701'7? 0'
* -@ - '$' % ' 0 (DJ ?701(*7 '?071'
; +' 8 # 'W*6'(44E=7 '*7 ;; ' 0'
#J+J ' B ' $'d ("'''MOLP' BG,@':@@S >'
+->C' @UU@= & Z E .a' #':V@)->,@'_V@GA@'C@UU@
-JJ-' -JJ4(*6'73=' ?' 0' 0 (
-JE0' -J+4'=-JJE4=--' 0 ' 0(' '
-4'73='?701'7?' ((' 1K
';LQ' 3' $ ' 'SSS ' LO<' :V@ +BCGD' D G'B@' -?@'
. A@' +-'B@' @,Z I>B C@' C@C@'J@, . > A'D>@,' ;P=M+ '
& $ ' +S -(LK'E' B@' @,-' A'B-,G' >A
@ :'73='?' (((' 'U')(0(*7? ('
-4(DJ (',=?408.J (/' '(< ' N ' 4=7
=-4(D ('=-4 D-(' 0?' 17< ' % ',(' V0'
(?e<R+' L ' 7? N0-e(R7=' =6(0J/ 70 *=' <-0)(*)-'
' '0' ' ?' ' % ' , E) -0/G (
?70 3-47 K K'*7'*6-'K- E=' ; + ' , E) -0/7?
=6(0J=' 70 *7'*6-'K07EL' ' *6-'=6(0J= (<
*6- 0'(44 -=' 3' ' ' =6(0J'70'(44 -<?=6
;KLP' T !' $10' ' 0' ' -0' 'SS 'LJ+' B@' !@, A '
;KLQ'Q ' &' 10' $ 0' 0'E 0 0':KO' & (' ->,DZ
+B@C@ -C@ZJC-J- @'+B@'A ?@'-'!@, B A' -C 'D +A +' ,
@?EC A.'+B@'!B CU Z !U +@ Z AD'%B ? @C ' ;KL< F 0
M ' 0' * ,(S Z 8;KQL(LNK B@' @, @ A'-C B CU ' ;KQN'
T ' ' -0' % 'LK ' @ '!@, B A' B@
-4(<'73='?701'7? ('
-4(<7 + ' <+ - ')(0' ?4?' (' 1' ' 10
-4(<+ -' ,(4=7' =-4-<+ -/'9)(0' (0 /'
10 ?' ('
,';=ON ') '& 0' OO 8/-> @' 3!(7 +B' ,C@' AD'
@, DGA@' !$' ' 0' @,@DGA a' @+'EG' V@ D@
' -4(K -44(' ,= J<M ' =?4*-<K - 4(/' 6
017< ' <1'7? (C !' ' K- E=' 7? D0+L*7[
K(1=' 0' (4=7' ,W*6' , '(L4(*7?'*6='K- E=
;KML' ' $' ' ' $'LLN' ' CJ@+' ,- @,G'.C@@A' 3'
!$ - !!$T' !)S' '"' ' ' 8)M('O=' 5@CA 2
,G -J-D>? ' AD'), . A@,, ' C@' -+@A'.C- A' C-?'J-C@'
-4(K7' ,= - K7/' 6 E4 ?('
6-'D4E3 17=-4 % . + ' 3' '
=-('K- E=' 7?' ' ?0 D('6-03=' 70'E <-0=60 3=
^SM- ' "- /)& G SS 'S ' Z';<L'3> B',U@'>A+-'+B '
E@ CE@' ! A@Z '+B +' B B'+B@G' ,,' !@A.- a' $'$%A>'
=)). ' C' '8;QQK(QN' "@@C '& AA S' +-- '
AD'!@, .-Z "@D.@'B -J'+--
V -4(6',=%4(/' 4=7' @'=-4('0 -3' ?97
' -30-W'W70<' 7DDE00 K ?0-TE- *4+' (*'*6-' - <'
7?'(')-0=-' '*6-'%=(4*-0'(<'*60 D-' ' (3' '3+'
*6- AA' 0- <-0-<' P%-H $:' =ELL7=-< *7 3-' ('
1E=D(4 70'4 *E0K D(4' <0-D*7 ' 7?=71-' J <'L-0[
6(L=' <D(* K'L(E=-'70'0-=*' - D-' ')(0 7E='
(44E=)-'E=-=,=--'TE7*=/
;PLN +C'?), 'C $!-' ' 'PZ B ' -CD@' !$ ' .A'
G@+B'G ' @A+@A @'E@ -C@'+-'E@'J-AD@C@D' +B' 'D@J@' , @+@Z
,-A.@'+-'E@'C@ +@D'>J-A' AD'+B@' @ @@'+B@+@'+-'E@'@S ,+@D'
;MOL'!' O 'C $, 3&%%'8;MO=(PN $@ -CDZA-+' ,,' AD'@>@CG'
->>G' B B' '?J- E,@Z E>+'+B@'?-+' ?@?-CE,@ AD'
+B AU -C+BGW J>++A.' ' J@ ,'!@, B'-'+B AU@' J-A'+B@?'
SK M : ' + M ' Z ' 'A' MO< B@A' -?@'+B@'
!@, B': AD'+B@' - @' 'B> BD' K' ' 9' ' 'C&'
? g . 0T 0+ 'O>+'G->'A@@D'A-+'+BA ' ' ?'.- A.'+-'+@,'G->'
@ @CG'+?@'B+'J-J.>A' .-@'-Z ? UA.' ' !)B'-'B?'
B@A@ @C' ;' A+'+-' B A.@'+B@' >E*@ +
-4(1,-$' -4(<-0=--' (2' (('
-4(< -$' + -'73='?701=7?' ('
-4(0')(0(*7?' (8 ' 1&'D(7L+
;=QN KP' "V ') ' M<K' B@' @, C'-'+B@'E@DD@
-4(0 +'73='?701=7?' (('
';=LP' &,' A'7C 7>, U@C'MQN ;=' &,' !$ ' '" @, C@
-434(7J')(0(*7?' (3 (
-474 , '=-4D3 *$'73='?701=7?' (2'
-474*E@'73='?701'7?' (8' '
*' ->4D7*4*6?' ! T ' (< ' ' ' 701=' F
'& 4<8',=-4* /'=-47< ' '=-4 '=7747E. ' '=-4 '
=-74JE X' ' (-447EG8' ,=-4J- '= 4DE*@'
=14 '=(7E*/' '=-4DEL' DE*6' .cJE*6' D7EL'
J7E 8' # ' =-47EL-' D7EL-' 77WL,-' J7WL'
77L,-',#'=-47E*' 7E**' 7E6*'= J7E*6' '=-4'
HK6' J7W' 77R K6*' 767E*6' =--4D7W*6/'
> '"' =-4 <*6' 0?'3Z ' (2' '$ '
J 7W U'=--' 8 '
: ?(1 (0$E E=E(4*(0-U' 1(0)-447E=
W7 <-0?E
KKK' 9') 5$0/'?&& 0' 444 ' 'Q "@' @'- ,G +' ! '
@,D >! A' -A@' 'S --' " ';<OSQ 5-CC J ++' '
@, >J'?@ ,@*) Z P' @,, >J' D?-DA@ @' %'S -' 3'LK<='
5C-?'B@->@A@'B@C' -?' ' >, >!'D-D' ;L)'$' + ,
&'(8SK -(LL' J ' 'B@' @, ->+B@ +' Z B +' B 'B@CD'
A@>@A' %!==N'C & -*(C$ @'=PO C -@,U- Z -C' @@,D ?'
@GA@' 0 0' @, - +B@Z @@, - +B,' $) 0' %;=MN & ' ' !"'
6 %" 0 ';NL' -AD@C' ' @ @, - +B' G.B+');P<M $
C('A 0 ' 4=!B@ -ADC@D'?>)' +'B ' -' @, ->+B'
@' KS ' ! CC' (8 ! ' 'L !' /@@J' ?J-C+ C-?'
+B +' @, --+B') D'? AG' '?->A+ A'!@@C'D A@'
' C -6<Z'D @C@A+'A-+' - '-A@'U AD
S--' &E&DT' A'7C 7F, U@C <M'C$ $') (
@@, >B@'C@ ' ;SQP' $ - 1(& '0'=;'!@- @'@@ > ,'a A'
- ' @-, >"C@'E@- @' $';LNN') & ' 0'OL'! A.@' @C@' @,V
@>+B'%))CD+C a'C ?@Z A., Z'C AUG ' AD', +-@' 4L= " @

! 5('B' ' 0'=<NJ@CDAA@ @' @A' @, ->B@'U AD>'#'B@'
,@+ A.@' DB '^' 1' $ $' ' $'* ,) -',&' - *!$-) H0
'5 ' (&'D'6 !(S 'OK +GC'? AG'@, ->+B'\'DG>@C'
C@D@'^-C.'*& '-)!$' $ $D) ',&' E $H
"' H7 <@E44+
;LNN') & ' (;NMN'& ' E@+' ' 'E CD' -C @@Z!@, >+B'
B ,'?' A' , 'B@' 1 (O=N<L'3+' >A'B +' ' ' @, >+' >@+@
71-*6 KW7 <-0?E4U ('1(0)-4
,'S --' " ' OM;PMZ \' + ++' ' >AAD@CC, ' @,, >9' \'
>AAD@CC,(-CC+ U@AA' ,'S -'? $ "'PPM A'-@' @' @AD@A'
@, >!@' ? A@' ,';LPN ! 0'*$! - ,'OPQ< !@' B' ' @,'
->J'B ' @?, B@'E@ +' -C B@J' ;LQQ'6 7 'C'0'C 0'O'S'
LPP'3 AG' @, ->+B@' ' @G.B))' ,')QN'M 3 ' & 0 $10
c$= &["' &!%' ' $ %'S Z'! ' A@' @, ->+B' ' A-+'
+B ' @> A'L@C
3 $@1 '1' ' ; ; ' %+;'
W6(* W7 <-0' 7 W7 <-0' #' ' -*D /'
% + 'Y' "' % + '^' 'W7 <-0
$5 0 ' % 0 0'K 'B ?'J>A B@D' >AD@C'\' @,U>K' - '
7> B'-A @C@' $';LNN) & ' 0;OLK D ?'B D'J +D'
AA@'B>ADC@+'G@C@Z ' @, >+' J-'B@ @S' A @C@' 1 0
;L<NO'!@, >+' ?@'+B A@'^G J)!@, ->J@' B >@a'G@@ ++@?@'
> ' ;LQQ' 7.'C'0'C 0'O'S' 'LPK AD' B- ' ?-A.@'J@'
.C@A@' .C @' .C@ @' -' ? AG'B@ @ Z AD' -??@' ->C@' AD'
- B@' @+@Z @, ->+B@'?@'J->)+@
- D-'?' ->477 *41-=='
%4==;< C & -*0'C$ $(=) +' !D - +A@ @'H ' ,.((
!@,% 7+BA@ @Z!@@, - +BA@ @,' $ $'
?' -4D7E*6' ' 0?' (8 ' (G'
7'1(J-'W7 <-0?E4U *7'=67W (='1(0)-447E=
$'S.--' (' 0'C $! ' '= AD' +@ 'J +', >@CD'BE'J , .B'
@,U->J@D@' 0 (@, >B@Da'B@'+ >,.' - % $ W0' $';L=N
' 1 ' '4 'O "@' @, ->+B D' ,,@' ?' 6,@' ^ >,.'
- ,$ '&- ' &!)'$ '- $H(
Q' ->4D *4 4+' "' 0?' (8 ' 'Q'
*; ' *0(K-4+'W7 <-0?E44+
'40-@' OPKM 5-CC'A)@' A-BE+',/C BB+ A' F-DD'
W(' @,, >E U@' @?@*) "+@+'% -IK@ ' + ' ' 1Y'
$ '8$-, *'QLLL'!-' SGA.@' -+U @' -'.@ADCGb. A@ -'
J,@GA+G>@ ' A'A-',-AD@' A-,-@'?@A' GAD@Z AD' @'D --()U@C'
-'+-'.@ADC@' ,';=QW@ & '!@, ->+E,G'?'W@C'
B@' ' @+' >++@,,G
* -4<' ' ' 701=' '=74<' ;'=-4*' '=74<
'=-4<-' ' 3 '=4 <-' 0 Z' ' -(*' 1-*('>'
*6-*D'?701'7?' ' -1R
8 'D +A +' -CD' C-?'# ' ' ' ? A -AZ B ,,(a
: '=-(*'*607 - '
)KOP" 0'C $! 'S'P' A'J@- @A@' @,D'B ' ,5 B '$- 1(
& '('<L'0 ' J- +-6'!9,KI? @++@+' + -E J@@' @ 'B +@
CE+ ' -A' + +@' @,+' @+,@a' ,5#8\' ' A/O
),'J',S' A'B@' -A',@+C 'B@' @CB@',C @- ' @,D@'
? =67L' 0<)' 0-D70<=' 70' 7 (4=7
?701' + ' 4=7 ('=*(< ?70'=L-D*(*70='
^;=NQ $! &'8 @S(,E@C' b' ';=EZ &C-' J C @,,' +@CC@'
D@) -??>A' >J@C'I> ?' A '>A>' @>D@' A',@'DC J@C @'@ +'
@D B@ +> a' ,';=PN'<& & %' 0'<M' AD' *' @,D ' A'+B@'
? CU@+'-'7G -?E@' 1 0'PNK'#A@' @,D@Z AD' -, C'->@C'
+B@' ?@' @,D@' E,D@' 4P<K' 8' ' 0'ONM +@C' B B'
+?@'+B@'U,A.' >@D'+B '!,D@' -C' B@D@' +-'E@@' ? D@C AD'
+C-A)G'*7E)' E> ,D@D' -' '+-A@Z -C B ? ,Z +B@'F>@@A@Z
?D'-+B@C' @,+'+@C' ' + AD' ' AD' +B@C@' +-'E@B-,D'+B@'>+'
A. ' E ONQ B@' ??' ?' OC@D +C@@+@' ?CD' --A+@BD@D'
7 +B'+B@'?@A'-'%-CD GA@C +C@@+' CD' -C ' @,D@'70 B@D
* -4<' ' 'b 701=' !=-4<-'# !'
=-4<U' '=-(4<7' '= -4<-'#'=+4<-'# '=-+ <,-'
#g<' =- 4<,-' '=4 <-' '=--4<-'# !' =--4<' '=-4<-
: :%' 1:%' ' !:%' 0 (04+' W, '
6 / %1'$!!A'*7 ' !)' ') %'
1'2 /$1'1)%' $:'7? ' 0
"'=' (2'
'+---' H.6 '< $-(SSS B'8[(O=N $ &' @,D AZ $)
@,D-CZ $ '@)C' @,D- , X -' ' 0' &!0' & '(
ONQ' "@'B >@D .-A @;D@C@J@A@'B@' B-,D@'+-'E ' 3 +B@

)' 7 3Z G -) 9'J +' ,,X' >' ,D@' C .!D
' ! .>' (LQ;' B@' J@J, 'BG?' B@@,D@' JC>D@A+,
? AZ AD'+B + ' @GA' >,' @@,D@' ;LKQ 8) ' 3'
8$-,,(: ;L;' .GJ+' '!,D@'E@C@GA ' ;=KL' L "F
(' 0'5 "@' @A+@' -+@' J C@ -+@' AD' @,D@ C@' -AG'
)D,@' ;PO<= ' D ' A' 7U 'OOP'0 +' 'JG+G@'
+B + @' @@' >B@',G.B+@' -') D@' ;P;<N '&&'
$E' 7U '8 C- A(' ;PK'$@J-C+' +B +' ,D' +-'B-A->C'
' 'A@AD' 5 5' ' 7 ' !0) 0'S'SS Z ' @J-A'
+C A.@Z E@ -C@'+B '@@A'E>+' @@,D' SM '%'0' S '
3 'OM B->.B'=ED6' 'B,,'B +B'B@ CD-'E@?'E>+'
@@,D
3 , % " ' ?' (' 2' "'</
;L<N M ' &' 0 'QK'5-C @,D@' +' '+B +',- @ ,,- @+B'
B@'.@A+6'? A' +@ +@'.-D' ' ;=)' ' '10 ' -@'
&'0'S '8;K!P('?;=;' 7 B@C -C@' +' 'C.B+' @,D@(?+' 0- D6[
1-'B@'B A,@D' -CC-EE@CG
' ' (
;L<K'8) '?$ ('C ' T' 'SSS +'8;=<P(U'*2'1 '+B@'
B@C+@'E@'+-' DC@G@'\' -,D@'B@' ? UG+B ,- L'EC@+B@' AD'
@,D@'8 ' * $ &'$ '#' $ $](' SWL=' 3 -U' &'%'
$ (10 ;'2 7U ' ;QO S' @+' A U@'+B- @'UGAD@' -'
C@ C@ -A' ' B-C+@'AD' 6D@' @' A' ;KNL'- . *'
&'$ ' ' PLN E@))C@'B +B'A +>C@'E@ +- @D -A'
' ,@,' AD' A@@C+ A@' E ,>@' ;MNQ'8 . ' ($ (
X ' 0EZ "-A@ +' -?@A' C@' -,D' AD'C C@
& (=' ' 9; ' ' '
' (<!!='U' =-4< =L7-76' *(D*E0 *+U' =74<'
*1-'W3- ',(4=7' *; ' W6-0-' W6 4-' " '
*(0-4+' 4=7' ('
'!"!' (C $" ' A') (0'A(!O(8)CU@C'
!- (MQ;' 'C C@ @@AZ>A> @DZ AD' @@,D B@ CD -'.#8U,'
A@ L% J' ' &' $ ' 'A'S, 'OPM'!+?A.@' AD')D '
UA- A@' -J A -A ' SK-' Q ' (& &! ' ';=' >. Z
&,@ @'+-'>-+' ->+'.@A+,)B@ C+@D AD' >E ++>+@) @,D'
B @AZ -DD@G@DV ++@C'A.Z -C' AG'-+B@C @J +B@+Z
!6 9!'%>A' ' 'OO<')!@,D+ B- A@5, ?A' / -@'JC@ @'
? -A.'+B@'J-J>, C ?-A.' 8 2 @!QM ->B C@

'?@'B-"' C +@ZA@' AD@' @'J@+B@-' J@'E>+@'>-C' D@A' >B'
-C'J@' @,D J@ B@'B C@' -CD@' @C@A'B@>@' ,'[S?9 B '
! .>' 0'<N :'?@'C@ -G @D'-'?G',E@C%@Z B +')) @@,D@ H0'
@,D@Aa'+G?@' ' ->AD@' A'? C .@' I.6)'< 3
& " 'C$ 0 0'S, 'LOL'/-AA@' G?' -'E, ' @,DB AA@'
$';OLP') 0 0'=OK ! > B'->E' >??-A@ ,-C@'+-'E@-A]'
,>>@, E \' "M@Z AD' @,DB -AA@' +>CA@' S)' 3 '
' '8$-,,(: LLL'3@A'-'+B +',-AD'B >@B'A-' @>@C@Z'E>+'
-A, B@'J@' @>@C@' .>Z AD' J +' @,' ,D@' B AA@' 4=OO +C'
' $' 0'C 0'C 0' ;PQ' B-' B U@'&C@G @' AD'
-??@AD@' C,G' AD' @,D@ AA@' OP=M :' ' 38)'
C & 0'8OKMQ(=N 3 @@+@' B ,,' +B@G' @@,D@' B@AZ -C B J,G'
A@>@C' ;L)'< 8 ' &'%0 :::'OL='%B +@+@Z B B'c @,D@'
B@C'%-?+B'A->' D @' A+-' J, @' ;LKQ 3 ' '
8$-,,(:'LK<J@G' +@J' @,' @,D@' B,@
-4<' '73='L('*C(< L('LL4-'7?' (('
Q' -4<(4 ' '
;PMN A' & ' "' & *) ' . 0'C!$"'8;<NO(KM ' @,,D ,,'
-C' -D'S*D' $';PKP 1 0'KO ' @,D ,, -C -D'S*D'
-4<-' -E 'J '+'-' ((
-4<71' ;=-4<71/' "'(,<' ' 701=' (' '
=-4<(7 E ' '=-4<- ' '=-4<- /
' - - 7 ,- + ,- ' -'#' ' K' ('
D-4<(-U # ' = < '=+4<- ' E ' + '# ' 7 U
' = -4<- ' =--4<- ' + ' =- 4<- ' + ' # '
'=-+4<=@' 4=7' '(' '=-4<71
!' 71-@X 7-4<71' --4<7E1' '=-44<71-' # '
=-4<71U' !' 4<71,-' ' =+4<71-' =4<(1U
!'=--4<71-' ' (1' -1'D--4<(1'M'=--4<71'
=-(4<71-' !' = -4<71-' 0 ' ' (4*-0-<
*7 + '3+'*6-' ((47K+'7?'(<)3'<(*)-='L4E0(4
4J-' * + F=--' 5 (2+'D700-=L7 <='*7 0='
V' E' ,17< E'H '
V' ' 'W' V'17<V'
, (' ' '?' -E*' ! ,L073'
('(<M / @0-=- *-<' 'V7*6' ; 'W7 <-0?E4
,W6- D-' ; ' *7 3-' (=*7 =6-</' 6-'
E4*-0 70 (?? * -='(0-'E J 7W G
"' #A' @ ' - -A Z A' @ ') ' -C'
A + A @ Z A-+' + -@A' ' C C@,GZ' A C@I>@A+,GZ
','K<Q'9'5 .6)'< & "'>'C$ ((S'PQ'!@,D>A'?-A
@,@-CA M'N;(? ,>?'C @'@ D?-DA@ @' ,'$A++' 'K=MK
-CCJ' ,V +' CC@B@, 'a'@U A.'(V?C'?>AAD@' >?@AA' @,D@AA'
$JO ' 3 '?$ 0 'C0 0'S '+'8O=<P(==;' , -' A'
GA+@C @,D@A' CA@>@C'JG++@' +@C C@ G+B' ';=)'- ' B '
1 0'=' - 0 0'>'8;KKP(;;=' B '@G> A'A-' E>+,
G '+E@'C .B+' @,D@A' 6+,@', CD@Z $';PSN B7. 'V0 $ '
)' ;=O 5-C' @ A'B D'+B ' @A@' ' E,U ' E@-C' ;PLK'
' ' !$' ' ('KP'&CGA G' AD',-CDG' G,D-A',-U@'
+-'+B@'>D'-CD>C' AD' @UB'-'+B@GC@' >E @ +G
a ' N4NNN' ^ @@'EJ' 6400N ? $ "'O=O) '? C@Z C@ +@D'
B C@' @,D>?' $J&+' ' 1 . 'C @ & - 0'QPM 5-C' @,D-?'
? A' ,) + B '%'(* B@,DZ "@,@'B Z AD'B ? @,'?G' @,D'
' ;==N'C & - C'C$ (MP ;'%@@,D ?'=C0 @,D-?(Z'$ &0 ,'A&&O
' * 0 'S 'QQ'!@@,D@?' ,,+B'+B@' -A+C C@' ;PK<'
' '$ 0 1) 0 7 ([' @'^ a'?-+' -C@Z B B'
@,D-??@ +' -?@ A+-'+B@'-J@A' GC@' ;MSP' ' ( ) ' $ 0
=Q #C -+A@CZ -C' DD-?@CZ ' - A'C@I>C)' ;MQK'
C &*C 0 @D'OVL=K D +A@C ' @,D-?@'B@ C. D' '+B@? @, @ '
;Q=K) '3 7 38b+ >[> ' $ & 'E 'O 5@E'8;K<L(
;; ;P<'%-?J, A ' C@')D-?'J +@DZ AD'E- +@C 'G@+' D'
D-?@CE@,@ @D' SK)'= .')1@' &- ''8;KM<(;=O 7-?@AZ
+' ' DZ @,D-B@C ,,'>AD@C'+B@'J@A ' ' 'A ? @A
C & 10 $/&%' ' 8) !8 ' ' 7U '8;PMO(EZ'!@,'
D-?@ -?+B'+B@'E@++@C' A/O&' ' 0 !!(' "' "'='
;MPN '"' ' 'C& 0'V ' ' '0 '1@'8 ' @' GV
!@,D-?' -?@')+@C ' B@A'-A@' '>+'-AZ A-+B@C', U@'+B@'
"DC 'B@ D' JC A.'>J' A'B 'J, @
E ' 7 +B' "' DD@D'J,@-A + ,,G' ' ?' 3 '
!'D' (';3/' 0 '
$';NNN' $!0'#' $0'OM< !@+D >A' @ C@'B ' ,@- ' , . . D'
$%&J' 11' &' - 0 ' 0' 'OQ' B@G' @@U'+-' ??-A ,+X@'
+B@? @, @'>J-A'+B CJ- @ -A 'E>+'+B@'B CD'E@'C@' D'
D-?@'@ @C- A'+B@?' SKSL2;KOK'^ @@' 0 +'Q a
8 ' ! &-'&' ' '
3 ' 3 $ 8%') *_!/'
/ !' ' $.
4Q!0 ' = B 1 '< $%' ' ''6 - !0 - ';=' 5'0 B@'&, G@C'
@,D-?'-C'@ @C'+BC- ' ->+'+B@' - @' +B' AG' @B@?@A @'
;KOQ / '# ' ' T' ! '*& 'ONN +' ' B +'+B@G' @,Y
D-?'-C@ @C'D-
< ' $($, ?' / ' ! '</ 4=7'
' ' ' * ' ?' *; /
;L<N < 8 ' &'%0 'LN 5>,' @,D@A' '+B +' @UB@'% A'
-?C@'E '.BA@' ++'A'A@,+B@' ,';=LNC ! 0' "%' $' &
' 6'8;K)('<K'!@@,D@A' +' 'J +C B'B C@' $/O>'
O ' ('Q<' ' @,D-?@Z B@A'+B@'O@@'D-+B',@ >@'
B@C'%-?E' A')+B@'D@ D'% CC -A' SKSO .)7' (
6K<P(P<< +'E' @,D-?'+B +' A+'-, @ >C@' A E@' C,G
+ +@D' ' A'@S > @' -C'A-+' C +A.Z $'A /O = B. (
' 0'SS ' 'OON +' ' @,D-?'AD@@D'AD@ +' ' B+@'C@@? A'
'@?J,-G@D'A' @ @C@'E-D ,G', E->C
. (0-' A C@I>@A+' ' -RD' 7DD(=' +B'
.@A+ A'-'C'A->A'- ' + -A
4=KL%N3' ' !0'LOK O'!@,D-?@ 0' 10d[NH('%5D) ' (
$)($ 0) . ' 1 0 0 $ "'Q;')'%B + +'
' A'@S @ D A.@' @,D@A' .G +@' $/ /'C' .U' A' &!' %'
&'0 8;PKQ(> ,';L<M O 1@+' ?-A.'+'?G'?A ' -,>?@Z
:'B-J@' -D'E--U@'B +B'A-+'E@@A@'?G' ,D-?@ +',@ +>C@'
;PKQ' A' ' *0 0 & - - 0 JJ' '=P'1 ' +'
,@,D-?'+G?@'B@'B->,D' B >A @'+-'J, G' +' >,'. ?@ '
,'XM--' ' &' ' 0 "2O,>A+A.'+B@' A@ J- A+- ' @,D-?@'
J,@ >C@' ;MPN'R ' &!"' 2 ' '0'e'O 8;Q)('P<'
>JJC@ @D' AD' @,D-?' A.@C' SM)' .&!') "'-$'Z
W ;='=P 7 @' B->,D'+B AU' +' D-?'+-'E@' ' @-J@A+' @'
C@'-CD A C,G' @,D-?' A' +' 4Q<Q' ' 8 '[5 08!S(
' LNO "E'T'A-CDD'A-+'T(>) ' '?' C?? @' +' @,D-?'
+?@'EG' 3 ,+-AZ 'C@I>@A+'B@C@' SK ' ' !$ 0 '
?&&.'=' $ ' (!@,D-?'C@'D@C' C@',- 'C@ D@C Z S)'
= ' 9 ' '<$"2& "'S S' B@G + B@DZ +B'
.C @ @D' B@ C+'$-D' @,D-?' J@@ B' H ND53C$!!' $!!'<$0('
K' - ' ;'O'FB'@ @A A.'C@ @C @D +-'+B@' @,D-?' J@ U@+

[illegible]

[illegible]

[illegible]

-C,D .C@ + U A. 5C-? JC +@ AD @,@ +@D B@ C+ D D JC A.

- D- * -4-R*-<4+ "

$%J> ' 8) &"$! * 8;MLK(=K ,, - +B@? A+B@ C @ @C ,, >,+ @ E@ A. UA- A@+- E@@ +B@ JC ?@ 7 -CU?@A - +B@ 9 A.D-?@2 @,@ +@D,G ?J,-G'D A+B !@C @

-4-D* K 8 ,@ U+ .(2 00= ^ . i

O a B + @,@ + 2 B-- @ 2 -C J U ->+ $ >$. &) C & (X-- C@ -A E,@C@ >,+ , G ?J,@ -?@ JC A J,@ - @,@ +-A AD @,@ +A. .@A G ;KKN $ " "SCCC- A $ > $ (3 G MM B@ -A @J+ -A - ,, @,@ +A. J- @C E@+ @@A + - ,+@CA + @

-4-D* 7 ,= 24-.JM(/ 0(< ! , '3 -

7? (D* 7 ? F =--

: 6- (D* 7 7? =-4-D* K 70 D677= K 7E*U (4=7 *6- ?(D* 7? 3- K =-4-D*-< 70 D67=-

8 C) (*0 , SS 8@D =(C 7 B ,@ @ A.,@ ->+ @ @C ,D B@ 2 AD C@*@ + -+B@C 2 +B@2 @,@ +-A @@? E>+ CE +C CG2 -C>J-A -J A -A 4Q= ' $ 0 7 U 8;K=;(KL + B->,D @@?2+B@A22 +B ++B@ @ @A @ - C .B+ -AD> +, G A @,@ +-A AD C@*@ +-A [KOP .)7 % (8;K=) ;KQ B@C@ ^ A +B@ AY + A + @ + -A- A @ + a @,@ +-A2 E>+ A-+ B- @ -,+ -A C +B@C +B A ,,2 SK) : .. " & $' 5 @ c $ QP % A @,@ +-A- --D ? +@C , EG J, A+ E@ ->A+@D -C +B->+ -A -> A@ ;K<L : ')7 ! '/(C &,& 0 8;<NQ(;SL B@ C@ >, @,@ +-A- +B@ J- A+- @

; L(0* DE4(0 D67 D-U D67 D- 7? (L(0* DE4(0 <) <E(4 70 <) <E(4=U % % ! *6- ,? L-0=7 70/ *6 K=-4-D*-<U (E13-0 7?=-4-D*-<,? L-0=7 =70/ *6 K= ?*- (L(==(K- 70 (E13-0 7? -R*0(D*= ?07 1 7 - 70 1 70- 4 *-0(0+ W70J=

L / 7 && Q " -?J AG .@A@C ,,G -AY +@D - ?@A - C AU AD B -A2 -?@, +@C CG B C +@C 2 AD @,@ +-A C-? +B@ + .@ XK K 0 . =0 ! !@,@ +-A C-? !B U J@ C@ O J> C , . 2 0 SSS 2 +) 2 +B@ @?E,@D @,@ +-A , >.B@D @CG B@ C+ ,G ;KMP = ! + !@,@ +-A C-? +B@ 7 -CU - , C@D @AAG -A ;) K % 6) "' (OQ B@G ? U@ @,@ +-A C-? " , 2 B-- A. -?@ A C@*@ +A. -+B@C $ > .. A & ' -*((# + =Q< B@ A.,) J>E, D-@ A-+ JC@+@AD +- C@ -C J-@+CG @S @J+ A @,@ +-A

3 , 6- 670=- 70 670=-= =-4-D*-< 3+ (0(D K L07L6-* (= 4 J-4+ *7 W 70 73*((L4(D- SW-S ,& -$' X 3 C P O A ;K<Q +B@ J-C+ A. @,@ Y +-A - B .B,G C@ J@ + E,@ A@ J J@C 2+B@ AD D> ,C @ JC-JB@ @ A>?E@C@D ;QL<

7 Y@ N *73(DD7 DE4*E0- *6- D67 D-=*4-()-= (< *6- 6 K6-=* K0(<-= 7? *73(DD7. <+ ; D , :&" /

(LL4 -< , % *7 *6- (D* 7 7? (30--<-0 =-4-D* K <) <E(4= ?07 1 W6 D6 *7 30--< 70<-0 *7 73*(=71 - <-= 0-< TE(4 *+ 70 D6(0(D*-0 =* D *6- <-=D- <(*= 3 - D- 6 E=-< 3+ (0W , % :& "/ (< =E3=-[TE- * W0 *-0= *7 <-= K (*- (+ L07D-== W6-*6-0 (0* ?D (4 70 (*E0(4 W6 D6 30 K= (37E* (L(0[* DE4(0 17< ?D(* 7 7? ((1(4 70)-K-*(34- *+L- 3+ - =E0 K *6(* =EDD-==)- K- -0(* 7 = *6- < [ ) <E(4= *6(* 0-L07<ED- *6- 0 J < =6(44 3- *67=- *6(* 6()- *0(=1 == 34-)(0 (* 7 = ?07 1 *6- (D-=[*0(4 ?70 1 *6- < 0-D* 7 7? *6 = 17< ?D(* 7

$) $! ! , &'T(+B@ -J@C +-A - A +>C , > @ EG B B +B- @ AD D> , - J@ @ +B + C@ E@ + D J+@D +- +B@ @A C-A?@A+ +@AD +- E@ JC@ @C @D AD +- +C A ? + +B@ C B C +@C 2 B ,@ +B- @ ,@ D J+@D D @ ->+2 - +B + A +B@ ->C @ - .@A@C +-A +B@ D@.C@@ - D J+ +-A +- +B@ @A C-A?@A+ +@AD JC-.C@ @,G +- A C@)@ 5)$! ! , &' +B + U AD - A +>C , @,@ +-A B B C @ +BC->.B +B@ JC@ @C@A @ EG -A@ @S - +B- @ AD D> , - +B@ -+B@C @S +B + B @ -?@ J@ , B C +@C + 2 A -A @I>@A @ - B B +B + B C +@C + +@AD +- E@ +C A ? ++@D2 +B JC-Y .C@ @ @AB A @?@A+ A > @@D) .@A@C +-A ;KLQ -> * MN B + B B @A E,@ +B@ .C >,+>C + A-+ -A,G +- ? -D G +B@ B C +@C - B ,- U2 E>++- B A.@ + ,+-.@+B@C2] +B@ JC A J,@ - @,@ +-A ;K== " /) C P; A +B@ @,@ +-A - E- C AD - -C EC@@D A.2 ?> B ?-C@ ++@A+ -A AD -A D@C +-A C@ A@ @ CG E ;KPQ 8 0 8;KKQ(4OL B@C@ > B A >A) @CC A. J- @C + -CU2 -C $) $! ! , &' 8+B@ + +,@ - ?G E--U(2 B B @,@ +@ @S ,> @,G -C +B@ .--D - @ B -C. A E@ A. 4KP<] 0 * , KX A JC@ @C +-A - ->C E,@ C +-A AD +B@ C@*@ +-A - A*>C -> C Y +-A 2 ,, +>C , !@,@ +-A 1 (KK AD +B ,@ D ?@ +- G @ -CD -A B + : ,, !@S> , !@,@ +-A B D@J@AD 2 A-+ -A +C>..,@ -C @S +@A @2 E>+ -A +C>..,@ E@+ @@A +B@ ? ,@ -C +B@ J- @ -A - +B@ @? ,@ +B@ C@ >,+ A-+ D@ +B +- +B@ >A > @ >, -?J@+ +-C2 E>+ @ -C A- - JC A. SKMK] $ 0 ' -(C!$' &- 0 8;KQP(4QQ B@ JC A J,@ - @,@ +-A ? GE@ -A @A @A+,G D D@D A+- +BC@@ U AD 3 @+B-D , @,@ +-A 6A -AY -> @,@ +-A +>C , @,@ +-A O > \ 8 E ' ' E ' 2 e ;QN B> +B@ +C>..,@ -C @S +@A @ E@ C +- A +>C , @,@ +-A +B@ ?@ C@, +-A ? A E@ C +- C+ , @,@ +-A XKKO S +C $, T C& 0)O< B@ +C>..,@ -C @S +@A @ + +B@C@ -C@ A @C+ A @A @ ? , C,G +- +B@ @,@ +-A - +B@ EC@@D@C +B@ EC@@D@C D@ @,-J@ -A,G +B + B B > +@D +- B - A J>CJ- @ B> +BC->.B B + ? G E@ +@C ?@D ?@+ JB-C ,,G $) $! ! , &' EG ?@ A - +B@ +C>..,@ -C @S +@A @2] -C? C@ JC-D> @D B B C@ @,, -C @ @A E@++@C D J+@D -C +B@ J>CJ- @ - @, JC@ @C +-A +B A >,+ +@D J, A+ C@ -C +B@ J>CJ- @ - ? A

$' %0 XKM- # 7 ' . ! SS B + +B@ G JBG -,-. , D@?- C G E @A E,@D +- .B+ . A + +B@ JC A J,@ - @,@ +-A B B ->,D D AB@C + ,, +B- @ U@C B ,DC@A2 SK) ' ((:>A@ M== OG -C+ - C + , @,@ +-A2 +B@ >,+ +@D , ?JC- @ +B@ EC@@D - , +@C CG @C-+ + + >JJC@ @ ,, E>+ +B@ E@ + J@ ?@A

2+ (C ? Z $ 4=7 ;/

;KMM 7 5 OO "@ +B -+@ A@ @C - . G -A +B@ , AD @,@ +-A D G SKK- , & $'' 0 : MOK + >CJC A. +B + +B@ @,@ +-) +B@? @, @ B @ A-+ JC G@D +B@ - @CA?@A+ +- +-J @,@ +-A -C -?@ G@ C + ,@ +2

3 L -D- 7? 4(< =-4-D*-< 70 *(J- EL *607EK6 > ?0-- =-4-D* 7

;KQP !1&) ' * (X >. ;K< L :>?J A. @,)+ -A D +- E@ @CG -??-A A- A +B@ 7 A?@C D +C + XKKS : %)C&! ," C 0 PN "@ B $(@,@ +-A2 D- A +B@ 9--C-A.

(= =-4-D* 7)(4E-)(4E- ,7? ( )(0 ([* 7 70 L-DE4 (0 *+/ (= (??-D* K (*E0(4 =-4-D* 7

;K<O $-3 $ 2 '' !(OQP 7 @ AA-+ J@ U - D J+ + -A D>@ +- A +>C , @,@ +-A2 +B->+ +B@C@EG C? A. +B + +B@G JC@ @A+ B + ; B @ @, @ B@C@ +@C ?@D @,@ +-A ,>@

,= -> E =*/ (< 0? F " V 1 -W67 3-4 -)-= 70 =EL[L70*= *6- *6-70+ 7? (*E0(4 =-4-D* 7 3 %-0*(K *7 70 D7 -D*-< W *6 *6(* *6-70+

;K<O $ &''9 # + OMM L S+C@?@ @,@ +-A + , U@ 7 ,, @ AD 7@ ? AA ;K<< # A $ 0 , (!@J+ ;<N J>C@ -C A@ C,G J>C@ @,@ +-A +BGJ-+B@

-4-D*) - ,=Y4->J*)/ 0?4 (1 ? % 1 () K *6- TE(4 *+ 70 ?(DE4*+ 7? =-4-D* KU D6(0(D*-0 I-< 3+ D67 D- 70 =-4-D* 7

$%A/ 1 ' .. &' -*(S ! B$ 2 $ * $'' 7 U ;LLO 7 B- A @A->.B -AD@C + +B@ J + B- +B @,@ + >@ JC-> D@A @- +B@ ,? .B+G K L> 2 0< & ' J 2 B@ +C A , +-A +B> C +B@C @,@ + @ +B A A EC D.@D +C A , +-A ;KQP B 0 QO B@ @,@ + @ AD -CD A A+ @A@C) - +B@ EC A

3 LL4 -< *7 L6+= D(4 L07D-==-= 70 (K- D -= W6 D6 0-=E4* *6- =-4-D* 7 7? =71 - -4- 1 - *= 70 ?(D*70= (< *6- -RD4E= 7 @ 7? 7*6-0=

;K=L F 1 '' - 0C " 0 L< B@ @,@ + @ E -CJ+ -A - A>+C + -> ? ++@C X3) $ 9 .. $ 2 ' - 4Q[B@ -, +-A - C @+ @ EG @,@ + @ - +-A

7 W S -= K (* K (=+=*- 1 3+ W6 D6 *W7 70 1 70- 1 -==(K-= D(3- =- * 70 0-D-)-< = 1E4*(-7E=4+ W *67E* *-0?-0- D-> ,H-3=*-0 :": :/

;<NM ! ! 0 OL G +@?- @,@ + @ @,@ +C @ +@,@ C JBG2 0 0 C@,@ ?>,+ J,@S +@,@.C JBG2 SJ- : .. ! ! 0 ;QL B@ C-E,@? b !@,@ Y + @! .A , A.

3 2 ,= 4->J* 4 / " ^ . 3 (; G (=-4-D*)- 1 (-0U 3+ =-4-D* 7

O%/O 77 B- / 5 X B@G AA-+ @,@ +, @,G @J C +@ AD DC -C+B -A@ B>? ->C2 C-? A-+B@C ;K<Q !!1) > " 0 0 KOM B@ C@ J C +-CG @A+C@ A-+ @,@ + @,G @ +@D

3 ,= 4->J*) -=/ 0?C (1 B G 6- (**0 3E*- 7? 3- K =-4-D*)-

,4KPN . B 7 C& - (@+ m[KM< LON @C+ A +B DC C AD @J C +-A2 ?-C , AD ,?- + C@, . -> @,@ Y + @A@ 2 2 C@ @ @A+ , +- 7 -CD -C+B E@ A.

-4-7*4+ ,=?4-J*4 / " 0? (Q 1 ; G + =-4-D* 7 U (=-4-D* 1 (-0

4MK< I ' 8) $ &!& $;<M C-? +B@ C >?E@C +B@G D ! @,@ +,G ^C Ca + U@ 3 @A +B +2 EG ? ,2 +B@ C ,->C @C @C ? U@)SK)) ((2 B@ 3 A +@C J@ U A.2 D C@ +@D EG +B@ $>EC 2+- +B@ J@-J,@2 @,@ +,G +@JC@ @A+@D EG \ E- @ ?@A+ -A@D

!@,@ -+/8 0V4 2 ET (^ , . $(N = - 7? (37(0< 7? 7?6--0= -4-D*-< (E(44+ *7 1 ((K-)(0 7E= 47D(4 D7 D-0 = (@*7W > 70 S *7W =6 L 2 -W K4(<

VM=M A < '0 $2 $ $,) ;MQO(4OO B@ !@,@ + ?@A - O- +-A2 %B C, +- A ^@+ a [Q<O . 1 0 2 $ - * 0 ::: OKO BC@@ -C @ !@,@ +?@A C@ AA> ,,G B- @A A @ B +- A2 B- C@ @A+C> +@D +B + .@A@C , -AY @CA XKKK - 0 &- ' 2 0 S 079 '& (T @,@ +?@A - @ A., AD - A C@ A-+ J D $' %0 SK K # 7 ' .) (? $. 0 0 S 8;KP<(OLL B@ @,@ + ?@A - A C A UC , ,, .@ ->,D B @ B D ?-C@ C@ J@ + -C +B@ C A @ +-C

,= - J* @/ 0? (B A 6- TE(4 *+ 7? 3- K =-4-D*

[QOQ . 8 -, 0+(! ' (%B- @AA@ 2 %B-+ @A@ N! # ! ! ' (+B@ + +@ - E@ A. @,@ KXM # 66 7 U 8;KPL(QQ X -,D ? +B B D +B@ B CY ?-AG - &-J@ +B->+ B I> A+A@ 2 AD B @,@ +A@ - D +-A +B->+ B -,DA@ AD @+@CA , C D ;KLO $! B *&' > *(&) SS S 8;K<L(;PK B@ 5 + " + ">A+ B D C@, J @D A+- + -A+@D I> @+2 -C @,@ +A@ H + ?@?E@C ,,@D +2 AD O@.. C ?G "@ .BE->C " ,, A-A@ E>+ +B@ C@.>, C ++@AD A+

,= 4- J*(/ 0? (H J - W67 70 =71 -*6 K W6 D6 =-4-D*= 1

!QKO V '&5 (^ a <L U@ ,, A @A+-C AD @,@ +-C - +B@ C - A G +@? 2 +B@G B @ E@@A B>CC @D +- @S @ B2 = ! + B@ !@,@ +-C O@ A. A@ -,,@ +-A - -A 2 ,@ ^@+ a ;KN< ' A A 0 0 :: O<= @A C-? / C 9 A.' -CU2 +B >ADCG -??@A+ EG +B@ AY .@A -> @,@ +-C ;KMQ ! 9 . 6 8;KQ=(MQ B G B->,D B@ ^A +>C@a E@ -?@ @,@ +-C - C @+ @ ;KKQ $2 *0(.!" & =K O "@C@ E-+B J C+ @ @C@ @,@ +-C -C ?J-C+@C - . C 2A-+ ? A> +>C@C 2 + K - "

;KQP !1&) ' * , 0 , :>A@ QN J>E, ?@@+ A. - A-A C@ D@A+ @,@ +-C B E@@A B@,D + $> B -C+B S) $.) 8)4 ' SS O=O !B@ +B@ D >.B+@C - -A@ - +B@ @,@ +-C + 0,>@ >? 5, +

7 = ((1 - ?70)(0 7E= (LL4 (D-= 1 -*(4[4E0K+ *-4-K0(L6+ 1 7*70 D(0 1 (D6 -0+ -*D

;K<N $) Q >. LPQ S D@ @ ^A B-C @B C ,-+B ,--?a UA- A +B@ @,@ +-C J U >J -A@ B C2 AD -A,G -A@2 +- JC@ @A+ +- +B@*) - +B@ B>++,@ ;<8Q C -(<$0(- S B@ @,@ +-C -C -J@C +A. ?@ B A ?

J, @D A +B@ E-++- ? - +B@ .@ C E-S - +B + ,, +B@ .@ C A E@ C@? - @D +B->+ D +>CE A. AG J C+ - + ;<NK 1 0 B9 - ;= O @,@ +-C . +@ 8? A.@B E@@A A + ,,@D 8 A +B@ ?-+-C Ca

-4-<+ -F =-- ('

-4-E ,=-.4- / , 8

: # 0 ?*-0 V =-4- 1 G (1 -= 7? D-0*(1 -0(4= D7 *(K 70 ?70 1 -04+ =ELL7=-< *7 D7 *(=-4- E1 (= -4- DE.% *- ^ M B ? -<-E L(.44(< *= .L(44(.< (1 ^

((: ((282 * -<- = 4) 0^ 0

-<- =(.4L670 ((*)- D71L7E < 7? =E4L6E0 (< =-4- 1 -<- *-44E 0 E1 ((*)- D71[L7E < 7? =-4- 1 (< *-44E0 E1

;K) % 6 $ $ 0 / 0 8@D (;QQ !@,@A >JC +@ !@,@AJ ,, D +@ ;K=< : 9 # D A 3 3 PNM !@ @A >,JB>C ;KPQ F $ '('(8;KMO(LOQ A-+B@C @ @A @C-> -C@ C-? +B@ " C+X2 ,,@D @,@A , @C ;K<N T ! F \ " O A - 0 " '!(, (!@C 2 @ 4) < 7 @ JC-J- @ +- ,, + !@,@?+@,,>C>?

Q ; & 0 70 (! 701 -04+ E=-< ,3-?70- ( )7W-4 70 A (1 -= 7? D-0*(D71L7E <= D7 *(K =-4- E1 -4- (.4< - 7 ('9 ' + L? D! (3(= D =E3=*(D- L07<ED-< 3+ *6- (D* 7 7? 6+<07K- =-4- <- 7 (117 E1 (4<-6+<(*- -4- -*6+4 -*6+4 =-4- <- -4- 3+<0 7 ^ % % =-- '

-4- 6+<0(*- ,=-- T 7* :& &/

;K=K + - (8@D M(? ;QL 7 +B @,@A >C@++@D BGDC-.@A ,D@BGD@ ??-A G @,D !@,@A ,D A@ " 5O +C < - ! $' L.(- (LPM !@,@A D@ - +BG, -C !@,@A@+BG, ;KPK : ! 5*& 0 50(- " $% (+@C? EG O@CX@, > -C +B@ -?E A + -A - BGDC @,@A D@ +B +B@ ?@+ ,, @,@A >C@+ B B -A+ A +B@C D , - ,U , AD ,U , A@ @ C+B XKMK , - , (- (0 O;K !@,@A BGDC D

-4- (*- ,=- 4? @*/ & 4=7 (*- 0? EE (?*-0 (1 =(4* 7? =-4- D (D <

;KSK +C ? 0 !) A ''0C !& 0 4 O<L B@ @,@A +@ - E CG+@ AD - , ?@ C@ -,>E,@ A +@C ; K S < 4 =NM B@ D -E+ A@D EG +B@ D@ -A) + -A - +B@ @,@A +@ - +A ;KPQ $'(' 0 8;KMO(OKP !@,@A +@ - ,@ D ;K) . L - 0 OON B@ @,@A +@ ,- @,G C@ @?E,@ +B@ >,JB +@ SKK- . 8) OT & - 0 & " ;L< B@ >,JB +@ AD @,@A +@ - , @C

-4- <-0= ,YY / 73= ?701 7* (' -4- < - + - 73= ?701 = 7? (' -4- -=)(0 (* 7? (74- -=-7L- 73= ?701 7? (: -4-E- 7 73= ?701 7? (<4- -**@)(0 =) (-4-R<(0? V0 ; ." : 177 Q G ?70 L-0*(K *7 *6- 177 D7 [= <-0-< (= (W704<

;M) " A $. >D & 0 , 0 '8SK= (K= B@C@ C@ G@+ E>AD A+ , >C@, +- E@ -A A +B@ !@,@A A . ?@ ;KM= ' !!0 1 0 POP B@G ,, B @ C .B+ -C C@. CD A. C@ +-A2 +B@ @ C+B A ,>D@D2 @ J@ ,,G ? D@ -C +B@ !@,@A A C @ SKMM 1 (4 ;LM >?@C-> +C + - @,@A A @A@CG

-4- D ,= -1 J/ 0 701 -<(=L0-D Q % a ? L-0*(K *7 70 <-0)-< ?071 *6- 177

SKXM + " & - 0 7 U ;K=L 4LO !@,@A 2 !@,@A .@A-> 2 -C ?J,G ?@ B A , ->C @ - ?-+ -A ;K=< # CC +C) - 1&! > & - & AD@S !$ ' (#A +B@ @,@A -C . A - !C-, +@

-4- D ,= -1 J/ C / & ! 0? (82 3 : G % % ((D < ?701 -< W6- =-4-[E1 = 7R < I-< 3+ ?E= 7 W *6 *0-

) SKXK +C ? 0 !) A ''0C !& 0 4 O<L B@ @,@A D -,>E,@ A +@C AD A , -B-, SK) . L - 0 OON !@,@A D 8!@#2(A-+ UA- A A +B@ ABGDC-> + +@

-4- <- ,=-0 @ 7 </ & 4=7 < 0? # G D713 (* 7 7? =-4- 1 W *6 (-4-D*07 L7= *)- -4-1- * 70 W *6 (0(< D(4

!K=< 1 .. '& (- 0 MO !@,@A D@ - BGDC-.@A . 8JC@J C@D C-? +B@ @,@A D@ - C-A -C J-+ >? EG D@Y -?J- +-A +B A D2 A +B@ >,JB D@ - BGDC-.@A(L > $'(' 0 8;KMO(OKN %, > +B , +@2 -C @,@?D - ,@ D ;KQL 9 &2 ' > - 0 8@D (O;O A -,>E,@ @,@A D@ C@ +B> JC-D> @D

* -4-> -* & 0? (82 (= + , + C (8 [7 ? -4- ** -**-< ,1=7 =-4- -**-</ $ (

$ J$ - 0 8@D Q(O<L !@,@A >? -?E A@ +B BGDC-.@A2 AD -C? . @-> >E + A @2 B B B E@@A D + A.> B@D EG +B@ A ?@ - @,@A @++@D BGDC-.@A . 1 0 R_h B JC@ J + +@ JC-E E,G @,@A @+ - -JJ@C O /& " 0 '0 8@D =(=O %, > +B , +@ !@,@A @+ - @ D SK) 9 ' - 0 - (4L !>,JB>C@++@D2 @,@Y A@++@D2 AD +@,,>C@++@D BGDC-.@A ;K) . L - 0 OO< "GDC- @,@A D2 -C @,@A @++@D BGDC-.@A 8" !@(

-4-E ?-0 ,=- 0(=/ 0? (' B 1 ! 7 *(K 70 + -4< K =-4- 1

;KOL 7 .. 1 % & 0 '0 8 D L(O;< !@,@A @C-> C-A &GC +@ ;KMQ . L - 0 O;< - @S+C + @,@A >AX C-? +B@ @,@A @C-> D@J- + - +B@ +C - -CU

-4-E .K- 7 (= 0Z V0 , 177 Q V G 07< --< 3+ *6- 177

XKXM ^ @@ $0T]0

-4-> 7 & 4=7 =-4- 7 =-< (= (

D713 K ?701 7? (82

O JO - 0 8@D Q( )< !@,@A - G A-.@A D - @C@D EG O@CX@, > OKLM) - (8@D =(eQN !@,@A - G A>C@+ - &-+ >? ^4K=K 1 (8@D M(: D@A - G ?D@ a ;KPL 9 +C < - '> 2 31.0 - (

[illegible]

K*7 0-=-134 K70 D- *7 K=-4- *- @ ?
W(*-0F 1L0-K (*-@ W*7 =E4L6(*- 7? 4 1 - ,D?
10(4(3/

[illegible]

-4 .* + $ 0 0? V0 A." - ([
' ;Q D G ?70 L-0*(K*7 *6- 177 (4=7
I + =(< 7? (<7W-0 W6 D6 7L- = W6- *6-
177 =6 -=

[illegible]

[illegible]

[illegible]

&, +-2 !J A B @A+,@? A B-^@+ a2 SMS 1R
! $ LQ< &,>+- > + AD A- ,@ @ O G +B + @, @ ? A2
AD EG B + - @ I > ,, E ++@ ? @ @ ;ML 7 8 $ (
4 LKQ : A@>@C AG - +B + @, @ + -A2 +- E@. . @ EC@ D2

?3 H *6 (0* D4- 71 **-< U (?*-0 '

S--- $ 5(, (QO 7 (V ,@ .@A ? . +@ +GCD,>
-A @ CJ>? @ @D@ .@ -D@A \ -A @, @ , A -A .@D-A , ;LQW
$ " 3 &!. $ 3? . (= (M (PML #A @,>@ ? A@C@2 S))
(' - %% L< B@ +C->E,@D +B +B@ ,, A .
UA@ @2 A B , @ + ?@2 A @, @ ? AA@C + +--U@ B ? A
B ? ->A+ A . mV+- B@ >@A

713 -< ?70 -1L6(= = W *6 *6- =+ 7 +[
17E= H; 4=7 =*0- K*6- -< 3+ " H L0-[
?R-< ? #(< .6

$;LNN ' ( ) -(<M A (0 C 0 8;KMO(;N - A-
+C@ A @CaV - + (V + A@ , D>A +- E@C + " ,B ,>@ D @C
B + E@ A L+ $ 4LNN) & (OO<=K # B + ,U @,> A @>@A
4LLK $ B & ' 0 8;K;N(M; J + ,U @, L@C@ ;=LM
) 7 <) C ! (O-))= B@ ? @ G,>@ CJ@A+@C
, ;=MN &2 ' ! " " (SS <P B-> .C >A++ -C +- @

[illegible]

#' 1' H6(*7 -' =' (*' (' L(0* DE4(0' * 1-' - C' ' (' L(0[
* DE4(0' (=L-D* 70' 0-4(* 7 U' 7 -2=' (*E0-' D6(0(D*-0'
70',=71-* 1-=/ L6+= D(4' D7 =* *E* 7 ' # C' (LL-(0(D-'
D7 =<-0-<' (=' <??-0- *' (*' <??-0- ** 1-=' 6 -?4+'
W*6' (* ?+ K' (<M ' 0 ' ' ' ' '

K' F) ' (' < & (' ' M-' A' A' B@' E>? AD'
A' B ? @,' B ' -C?@C' @,' C@I> C@ 2' $' $>$$' : ' 0' & '
7U ' 8;KLK(' OKO' 3 G' D>+G' - ' ,- A.' +B- @' E@ ' B B' @ +B@C'
A' E,-)' C@' A@ C@ +' ?G' A +>C ,' @, 2' -C' A'.C @' A@ C@ +' - "'
%BC + A' @, ' ;Q=M' ' +C' & $, 0(' B' ' ' S' MM' '
@C2' -C.@+ >,' - ' ?G' -C?@C' !@, 2' :' +- ,' +-' C @' >AA@ @ CG'
&@, ' ;KPKN' 7 ' (" ' ? $." 3 50' 38 (6 ' " -

- ' + -' B->C ' E@ -C@' @@?@D' +-' -A C-A+' B ?
3 ' ' (==-134(K-' 7?' D6(0(D*-0 =* D=' (#' <=[
L7=*7 =' W6 D6' 1(+' 3-' D7 D-)-<' (=' D7 =* *E* K'
7 -' 7?')(0 7E=' D7 ?4 D* K' L-0=7 (4 * -=' W*6 ' '
6E1(' 3- K' 6 ' ' ' *6-' 3-**-0' L(0* 7?7 -2='
(*E0-

$/0/' 1 ' -& ' S, ' L' AD' A' ?G' @,)?G' A >D'
@, @' :' ?@ A@' 3 - +', >@,G' ,GU@' E@B-,D' G->C' @?E, A+' +C@ '
;;QNL' B ' ' ' ' / ' 3 CU' S ' L=' @CG' ? A' ? G2'
G@ 2' ->.B+' +-' ,- @' B ? @, ' A-+' B ' A >,' !@,)' E>+' E '
A +>C ,' @, ' @ J@ ,,G' B ' J C+> ,' @, 2' +B@' A@ ' A +>C@' A'
B ?' K -' : ' $- $' & A' @,' D@) +@2' . A +' B '
E@++@C' @, ' ;K=<' ' : ' 1 ' ,,!0' ?& /(' , !&
' LK<' !-)' AD@@D2' C@ -, @D' +B@' !@, ' AB E+A.' -A@' - ' +B@'
JBC@A-,-. ,' B@? JB@C@' +B A' ?@' 0>+' +B@' C@ -,>+ -A'
' >,+ ? +@,G' C@ @C @D' EG' +B@' >J@C -C' @A@C.G' - ' +B@' !@, '
B-' C@ .A@D' - @C' +B@' -JJ- +@' B@? JB@C@' ;KMM' < : *5
/# /' ' ' 0' A0' .&0' 2' 8;KQK(' ;OP' 7B +@ @C' G)C' ,- '
@ +' @, 2' AD' A-+' G->C' E@ +' @, ' ? G' ,U@)' ;K)' #- J '
J ' 0' $ - ' ' 8;KKO(' =P' #>C' A + -A B D' +-' .-'
+BC->.B' .C@ +@C' +C , 2' AD' E@' +BC- A' ?-C@' >J-A' ,+W' A-E,@C'
@, 2' E@ -C@' +' ->,D' D@ @C @' +-CG ' ;<NK' $ ' 7 ' T'
) 1 50' $;M' !-A ' D' ' ! A' -' ' U A.' B@C @, ' B@+B@C'
+B ' @C@' ,- @ ' 5-C' +B@' C +' + ?@' A' B@C', @' +B +' -+B@C' @, '
-' B@C ' . @' A-' + +-CG' C@J G
-2=' L-0=7 (4' W-4?(0-' (<' *-0-=*=' (=' ('
73M-D* 7?' D7 D-0 U' D6 -?4+' ' 3(<' =- =-' =-4?=6' 70'
=-4?' *-0-=*-<' 17*)-=' =-4?=6 -==
$' $% +' ' 10' <& ' 8;MKO(' QN !@, ' +' +B@' .C@ +'
A+ %BC +' AD' A++ -D' A' +B@' 7-C,D' ;Q P' 9 ' & '
' e' L' 7@C@' + A-+' -C' +B ' A ,>@A @' - ' !@, ' AD'
O .-+CG' +-' ->C' - A' @A@+ 2' @' ->,D' B CD,G' ? . A@' +B +'
-' ? AG ' U@D ' &C A J,@' B->,D' JC@+) D' +-' !>JJ-C' AD'
D@ @AD' +B@? @, @' EG' +B@' - J@,' - ' %BC +' ;Q)' ' ,'
B ' ,!$' ' 2' O>+' @,' ' ,' +,,JC@D@+A A +@' K)'
' &,. ! B' $!!S7 - @ ' !?-+@' +B@' B-CD' -' !@, 2'
+B +2' +C@?E, A.2' J @D' A' ?> ' ->+' -') +' ;KPP' 9?'
1' 20' & ' 2' #A@' B-' B D' , ?.' A@' ,@ CA@D' +-' B @'
A-' @, 2' AD' +-', @' A-+' -A,G' -C' B@C' B ,DC@A2' E>+' A' D ?A'
;KP<' ' ' $-' ?' ' 2' !B@ ' E@++@C' +B B' ' ?,]'
+B@C@' ' @ ' -' @, ' A' B@C@' AD' JC D@' ;KQN 3- 1'
- 0' ' 8;KQQ(' MQ' B ' C@ J@ +' +-' @, ' AD' + ' >,+ ? +@' .--D'
J@C+ A ' +-' +B@' @CG' A-E, +G' -' ? A ' A +>C@' +<-M% $ '
= 6 .)' < !' <& 5 [0(!@, ' +B@C.-D' AD' !@, BA@'
+B@ C' C@, . -A
071' *6-' (<M-D*)-
' ' S =-4? D747E0-<>' ?47W-0F' -=L' (LL4 -<' *7'
D(0 (*7 =' , --' ' 3 /
S! ' ' 7 ' R ' & $ ' $ 0' ((!%(' ,- @C'
+B' J@+ , ' - ' -A,G' -A@' -,->C' ;KM< &' ' (T 4 '
;=N !-?@' - ' B@C' B C +@C' C@' +-' ? >' B' B +' ' ,-C +' ->,D'
,' ' @ ' '] ,' -A@' -,->C') ;K<' <$ "OQ' >.' 4N= 0 B@'
? "-C +G' - ' JC@ @A+ D G' U AD' 8- ' % CA +-A a]' ` ,,>D@'
B @ ,G' +-' . CD@A' @] C@ ,@A+,@
! ' ' =-4? 37W' , --' /
;KPM' " ' ' O ' , "' + ' ;-=' B ? ?@J+ -A ' A-A@'
-+B@C' +B A' @
=-4?' ' D71L7E < L07 7E =' 70' *69'
<)-0=-' K0(11(* D(4' D6(0(D*-0' ,L(0*4+' (<M ' L(0*4+'
=3/7?*6=' -4-1-' *' ' ' $
' + " ' + " ' "
(<' ?70' 44E=*0(* 7 ' 7?' *6-=' -1L6(* D' (<' *6-' 0-[
?4-R)-' ?E D* 7 ' 7?' *6-=' W70<=' =--' *6-' =-)-0(4'
(0* D4-=' -0*(' L60(=-747K D(4' E=-=' D71 *7 ' *7'
*6-' W674-' K07EL' ' *6-' 0 D(L(D*+' 7?' 0-?4-R)-' L07['
7E =1(+' D7)- - *4+' 3-' 7* D-<' 6-0-
' P F (' % = 7' 3-' ' ,7 -2=/ 701(4'
D7 <* 7 ' 7?' 37<+' 70' 1 <U' *7 3-' ' , * /' (DDE=['
71-<' =(*-' 4=7' ' ' ; ']
5-C' -+B@C' @S ?J,@' @@' .6' L' E2' 3 G +)' +V2 R
.3 ' @E
S\+J' :) ' 0' ' 3(' : M== B@' @E+# ' *> + @' 7 '
,' B ? @, ' " J C+' C- @' B .B@C' AD' B .B@C' +B@' -C C'
@A+' -A' SK) ' $!" ' 2 ' OL' 3 C' G' P L' 3 C' #C @ ' ,'
B ? @, ' ^ +' C U@+a
3' 7' (D* (DD70< K' *7 7 -2=' *0E-' D6(0(D*-0'
W*67E* 6+L7D0 =+' 70' D7 =0(*
SKM=^ @@' : ! =a' K<M 3 5 / = CQB,2OMNA,G+B@'
->C .@' @@?' ?J @+G' 5-C' *> +' ' . C' +-' D C@' +-' E@' B@C @,
; ' 6-' 0-?4' L07 ' (==E1-=' ' D-0*(' D7 *-R=' *6-'
=- =-F 6-' 701(4' D7 <* 7 ' ,7?' *6-' L-0=7 ' 0'
*6 K/' 7' % ' ']' ' " ' # 6/ ' '
' '] ' + '] ' ,9 7W ' '
] ' ' P ' I ') ' (/ F E* 7?
,7 -2=/ 1 < 70' =- =-=' <-0(K-<
$' ;=PN' 6 ' 0' ' $' &) ' ::2 8;<NM(' M AD' B@' 7 !' !# -C@'
C @D' $' ' @CD@' +B +' B@' C AA@' @' B@')B D E@' ->+@' #'
BG?' @, ' ,' ;=K2 # " ' ?!$' , $ "% S,,' ' =2' WB@ @, ,'
D->A@' C-?' B@C' ?' E@@C@' ' ' -? A' C-?' B@C' !+@' AD' A' '
-A@' ;MP< 0' ' C$ $ ' &' (' 0' JC A @'
E@ A. C@ +-C@D' +-' B@C' @, 2' @; ;EG' +B@B@,J-' -A@ .B@C 2'
- ' B@C' @ .BE->C ' ;OOQ' 8 6 ') 0' 60' 0' " !!
;) ' Li ') A@ @C' J@C @ @D' B@' ' ->+' -' B ?Y'
@, 2' +,' +B +' ?@, A B-,G' / G' +B +' B@' +B-+?B+' B@'
J- -A' D' A' ' , ' - ' ! U ' ;Z79' - $ ' $$' &' ' &' 0

A ' $') ' LN;' ' A- @' - ' +B@' -CD@C' - ' ! +' ' 5C A '
E@ A.' A- ' ,?-+' ->+' - ' B ? @, 2' +C>.,A.' +B' D@ +B' +@D'
->+' ^@+ a2' ;KPM = ' 7 ' $ "' $ "' ' S S' 8;KQ<(' '
O>+' -?2' B-' @@?@D' C,G' ->+' - ' B ? @, 2' ->,D' A-+' +C
' ? B%] !%M' (47 -' W*67E* =7D -*+U' E (<-<U'
=-L(0(*-4+' --' 6L *0
KKK' 9 ' ?& (SSS ' e' M @? @)A A' -!C> @ @ ,'
E@' B ?' @, >?' E -A' $' ;LNN) & ' 0 ;Q;=' J@' ?@U@' ^B@ +a'
E@' J ?' ' +>' AD' +> 2' J@' ,D D-' E@' J ? @,' ' , > ' ,' ;LKM
, ' >' (OO0 -.B+' C-?' B ' - @A@' E@D' +@A' --+'
-C' + @,>@' " ' D-.B+@C' B DD@' ' E@D' ,' EG' B C' @,>@' $ .B+' A'
+B@' ?@' B ?EC@' EG' AD' EG' ;==K A' 7 ,' ' \' % CU'
$-1 ' 8;KKM(' ' K' ,' ' +B@' E@' ?@' +B +' ,G@A' EG' B@? @,'
L&&I ' * T' ' S ' PM=)@A' +B ' ? D' ' E--U'
7' B ?' , ' ,@J D' +B@' 0--U' - ' 5?+B' PA' $ (T'
, ' S ,,2 B ' @G->' ? G' ? U@' 3 C? , D@' - ' CD@A 2

' ->C . -> ' SM -' 9 ' - *(' + ' OO;' B@' 9 A. '
-AA@' B >@' ' , AD@D' EG' B,? @, @' O>O?)) ' * T0
- ' ;O' ' ?' ? + U@A' ' E@' @A+>C@' ' +-' .-' +-' O@D' EG'
B ? @,' +B ' @, @ ?-A+B ' I ' = ' ' ' 0 '
LNK' 3 C' %' D A@' ' ,' EG' B ? @, ' +' JC@ @A+2' ?@C@,G',--U A.'
-A' SKK-' B ' ' 0' 8;K<;(MP' ' " ') ' A'
-?@' ,> UG' ?-?@A+' D D' C@ ,,G' ' C +@' +') ' EG' B ? @, 2' '
+B@' B ,DC@A' G
-4? ' *6-' W7 < .6' E=-<' (=' (' L0-?R 0 ' '
7DD(=' =*0' ' D700-=L' *7 '
V ' ' = 8 _U' 9 8' ' V V'
' ' ,V-0' ' _' (4=7' K- *)-' ' 4(*-0'
' ' ' , W' ' ' (4=7' K- *)-'
7 W' . ' 70W' " ' (" ' V7*6
W*6' 0-?4-R)-' 1-(K^S 7 -=-4?2' S *=-4?2'
L')(0 7E=' 0-4(* 7 = W*6' *6-' =-D7 <' -4-1- *' 7?' *6-'
D71L7E <
6-' 3(==' 7?' D71L7E <=' ?(44 K' E <-0' 6-(< K='
' (<' ,3-47W/' = 701(44+' (' 0-?4-R)-')-03(4'
L60(=-U' *6' =' ?071 S *7' (0DE=-' 7 -=-4?2' = ?701-<'
(' =-0 -=' 7?' ?701(44+' 0-4(*-<' W70<=' %%+
%%+ ' %%+ ' %%+ ' (+' 7?'
W6 D6' 1(+' (0 =-' <-L- <- *4+' 7?' *6-' 7*6-0=
' *6-' E13-0' 7?' 0-D70<-<' D71L7E <=' =
7?' W6 D6' 6(4? -R6 3 *' *6-' L0-?R ' *6-' 73M-D*)-'
0-4(* 7 ' 6-' 7 4+' =E0))(4=' 7?' *6-' D71L7E <='
' (0-' .6" 8 ' (<' *=' D7K (*-=U' *6-=-'
*7K-*6-0' W*6' *6-' L4(' (1-' .6" ,W6 D6'
1(+' (4=7' 6()-' 3-- ' D71 17 ' V-01(D/' *(0-' *6-'
7 4+' 0-L0-=- *(*)-=' ' *6(* L1 7<' 7?' *6-' L0-?R'
?701(* 7 ' U@' ?0=* (LL-(0=' (' 4) K?701(*)-'
-4-1- *' (37E* *6-' 1 <<4-' 7?' *6-' *6' D- * '
3(34+*7' K0-(* -R*- *' 3+' 1 *(* 7 ' 70' 0-1 =D- D-'
7?' V0--J D71L7E <=' ' " ' 6-' E13-0' 7?'
0C@ D71L7E < W(=' K0-(*4+' (EK1- *-<' *7W(0<='
*6-' 1 <<4-' 7?' *6-' :!*6' D- *' W6-' 1(+' -W
H70<=' (LL-(0-<' ' *6-747@D(4' (< L6 47=7L6 D(4'
W0 * K' =71-' 7?' W6 D6' 6(<' (LL(0- *4+' (' 0-=*0 D*-<'
DE00- D+' 7?' (37 *' ' +-(0=' ,-' K' : @ /'
W6 4-' (' 4(0K-' L07L70* 7 ' 3-D(1-' -=*(34=6-<' (<'
6()-' (' D7 * E7E=' 6=*70+' <7W ' *7' *6-' L0-=- *'
* 1-' 6-' 4(**-0' W*6' *6-' D71L7E <=' ?701(44+'
0-4(*-<' *7' *6-' 1 (0-' ?70' *6-' 17=* L(0* *0-(*-<'
6=' D 7 (0=' (' W70<=' *7K-*6-0 W*6' (44'
=ED6' (=' 0-TE 0-' =L-D ?D' <-? *7 ' H *6' 0-K(0<' *7'
*6-' 0-1(<-0' =' D-' *6-' L0-?R =' 7?' E 4 1*-<'
(LL4 D(* 7 ' 7 (**-1L' 6(=' 3-- ' 1(<-' *7' 0-L0-=-'
W*6' ?E44 -=' *6-' -R*- *' 7?' W6 D6' *' 6(=' 3-- ' -1[
L47+-<' -*6-0 ' -(04+' 70' 0-D- ** 1-=' (< ' *6-'
L0-=- *' (0* D4-' 7 4+' (' *+L D(4' =-4-D* 7 ' = K)-'
?071' *6-' 6E <0-<=' 7?' D71L7 1<=' ?70' W6 D6' -) <- D-'
=' ?70*6D71 K
A' +B@' , X E@B A')C -D' +B@' ?J@C @ +' >A -A' - ' !%"
+B@' @ -AD' @,@' ?@A+' - ' +B@' -?J-AAD' JJ@ C' +-' E@' @ D@A+'
C-?' +B@' - A ,' -CC@, +-A' - ' +B@' JC@+ S' +B' A' D* 2 '
$' ' $' ' 3$- ' 8!B ,@ (2 ' !B ! $' ' !%3-)
85-,S@(' ' !%$' , $ ' &' ' 8!B U, (
71L7E <=' ' W6 D6' ' ' *6-' 73M-D*)-'
0-4(* 7 ' *7 *6-' =-D7 < -4-1- *' (' W*6' 7E = 7'
(*@7 U' (=' ' ^' (3(<7 1- *' 3+'
7 -=-4? 7 -=-4?' 7 -2=' L7W-0' L7(* 7 ' 0 K6*@'
<-=0-=' (13*7 =' 70' *6-' 4 J-
KXK' !) ' ? 0' $- -0S ' B@' .@A@C-> @, E AD-A2'
+@A+' +B' B B' +B@' 3 +@C' -' $ @A --D C@A->C+ @D' B '
@>D ,' @A? +@' 3!9 8 (' ? $) ' 8;M<O(OL' -' D@ @AD'
A+-' +B@' ,- @ +' +@' ' - ' d!@, ED + -A2 C G @' - 0
<0' C $!- $' 0 ' 8;QM=(O;' B@' D>+@ ' - ' @, D@A ?2 d @, '
EB-CC@A @2 +A. ' ;MNM ' ' 0' +' ' ;QM' 7 +BY
->+' C@ J@ +- ' AG' A' ,' J@ >, C2' AD' A' d @, @ D? -A'
SK-M ' ' $' $' ' 2' & %' $ &2' ' 5 C@D' EG',->D'
J, >D+' AD' d @,' D>, + -A2' C@. CD@D' ?G @, ' ' CC U'
C@ @D' ;QNQ' (' $ 0') - 0' ONP' -' -? J, B'
+B ' d @, D A @?@A+' ;K<;' d!@, D @C+ @?@A+' @ .6"
% $ / " !!a' ;K=0 3 ' ' ' , - 0' 44' 8,K=K(' '
5 + A.2' AD' d @, ' , + -A' [Q<< & ' !" ' 0% " %0'
OOK' B +' +B@' G +@?' -' +B ' JC A @' ' ->AD@D' -A' @ ') -'
d @, ..C AD X@?@A+2' OQ;M' 1 ' . 0 8;OP;(' &C@' J' 2'
B@' .C@@ E,@' J- @C' - ' d @, ?> @ ?@A+' B@A' ' ?A' D,@'
-C ,-A@' XKM ' 1 ' C ' 0 ' ' ' PL' 8;KQP('
;QQ' % C@ >,' d @, A ,G' B- ' +B ' +-' E@' D +>?' - ' -AY
-> A@ ' U U0' . ' ' ,' ;;' 2' !> B' d @, A +-?G'
B ,' +@ B' +B@' ,' / A.@C->' @ C@+ ' ;QM=' < .) ' $ (
OKN' -C' @ .B' +B@)' -,D' -C+B' - ' d @, JJ,> @' ;KPM
< ' < ' ' 0' S@' ' 4 P;K B ' -A.' ' >C->' 2' 2'
-CD A.' ' ?@ >C@' - ' +B@ C' d @, JJC@ + -A' ;QP;' .'
' ' (' % ' S' 8;QPO(' QL' 7 +B' +B@' ? ,@' - ' d @, Y
JJC-E + -A'>J-A' B@C' @ I >) ' VKML' ' . 6 B ' - (0' `

#
? &% % ! ' ' * ' ;QL' " D' B@' E@@A' . @A' +-' @, JJC-E '
+ -A2' ^B@a' ? .B+' B @' , ?@D' A-' ? ,' J C+' - ' +B@' C@D +'
SKS ' # ' $! ' S S' ;MM' " @' E@. A' +-' @@,' ! -?@' @, '
J - ,' -A' B ' E- -?' +@ ,' ;KPQ' < ' 0 8;KK=(
LQ' B@' @, E@+C G ,' +B +' C>A ' +BC->.B' ,' B ' -CU 2 $' OQ;S'
: ' C *$ $ ' &-@+' 7U ' ' PO' %-A > -A2 @CC->C2'
C@?E, A.2 !B ?@2' AD' ,@C @' !@, E, ?@' ;K=P ;
A' ' ," ,!0' &*0 ' M;P O -' ' C +' > @' ?@A@ @ C,G'
++C E>+@' @, ' % > + -A' ;MN=' ' ' 0' ' ' ONO A '
,@ ' ' @, @ E C+@' E@' -?@+?@' ' @' OKL=' $, ' %& '
- ' -' O;' J' S A' C@ CD' -C' B ' @,) + @?@A+ '
;KLP' # ' < * "' S S2' 7 +B' +B@' -??-A' @, ' B@ +@CG' -'
@ C2' B@' ,- @D' A-+' +-' . @' B@C' JJC@B@A -A' - @' ;K=K
') .$' 7U 2 ;KMP ' ;L;' B@' A@ +') + ,+G' - ' B->.B+'
' + ' @, - .AXA @' ;PKL' ' . A' ' 7 + -A' C& - '
8 CE (' O<' 1->C' @, @' -??@AD +-A ' ;QQ<' # ' ' 0' C 0('
" ' ' ;KMK(' OPM' " 8 ' / CGD@A' a' @, -??@AD +-A '
SK-' ' &' = ' ' 0 $' ' (5(' ;M;' ' >+ ->' D@' C@' - '
- D A.' @?E CC A.' @, -??++ , ' ;MNP' 9 ' $, 0
' ' ,' +B +' O@,,-A ' OC D@.C--?@ %-A C-A+@D' B ?'
+E' @,@ -?J C -A ' &- A+' . A +' & 3A+' ;QL=' 9 '
!DT' % 0 8;QK<(' ;N=' A' @, -?J C -A ' +B' C@ Y
+>C@ ' $' SGSS' : ' E $' $' &-@+ 7U ' ' =Q;' !B@' +-' !@, '
-AI>@ +' ?@' D J- ' D' SKM ' 0' & "' ' OPP'
7B@A@ @C' +' B@?@D' -C' ?@D' +' +B@' A ? ,' @, -A @C '
+-A2' B B' A- ' ? D@' + ' ? +@C ?J>, @' O O& B 8 .'
$ ' $ 0' ' $!!' 0 KN ' >E? ++@D' ->, +B@D@@J@C'
+' AU@+B' A' ' @, ' -A+@?J+' ^@+ a' OK=' ' &,. 3'
! "' &%' &@C B' A' +BG' @, -A+@?J+' $%/J' = ' ' T'
' ' ' 0' 8;QSO(;P2:' -A @ @' +B@' A+ C@' D@ ' - ' ! J C+'
+- -A +- !@ J@A@+C + -A2' !@, ?-+ -A2c!@, -A+C +-A'
;Q;N' (' (C) 0' ' OLK' $@J@A+ A @' ' A' + - '
c!@, -CC@ + -A' OKPQ' < ' ' 8;KK=(' K B@' c @, '
C+ ?' B B' JC-? J+@D' +B@' >JJC@ -A' - ' +B@' D@D + -A'
;KPK' : ' = B') 0 0' LLL' B@' J , G- ' ,,2' +B@'
A J +G' - ' c @, >C@2' $' ;Q;,' ' " - ' $) - ' &-@+'
7U ' a ' KM B@? @, @' ?> +' +B@' C'- A' c!@, D ?A + -A' C>@'
$' QA'] ' " ' ' 0' E D' ' LP<' # ' -D' - ,@AD@D2' +B@'
D' B->.B+' O@@J' c!@, D@E @?@A+' C->.B+' L% /
' 0 ;P' !@J+' 8!>C+@@ (PM B)' - @A A+' AD' c @, @ D@D
+ -A' ' C@A@ @D' EG' ?@' SM)' (' C $, 0' ,08OQNQ(
;=Q ">? ,+G' AD' c @, D@* @ +-A' $ A>' ' <)
!@C' ;;' 8;KQL(PNL' c!@ D@JC@ + -A' ' A-+' E>? ,6G' ;KLL'
' !$' >' $ ' !!) &' (B@' ?E@ ,+G2 B@,J,@ A@ 2
BD' >++@C' c @, D@ @C+ -A' 8-' +B@' - D@A' A@D@ @C'
X' ,*0 C " 0 ' , 0' OL' ^ " C a' @AD- 'D' +B' &- @C -'
c @, O ,+ + -A' $%%J' 8 ' 5* 0' C !& T ;; ' ;NO -' ,'
>J' +B@' @C ,' A+@C +-' + A@@D' D@' E@ -A D@C E,@'
A' -.C) +' c @, D, +-A(' OQ<K' ' 9 ' ' 0' C &*!'
<E' ? 0<' B@' JBG ' +C@A.+B' -' +B@' E>,U' - ' A + -A'
CC@ + E,@2' E>+' + ' A)E,@' - ' c @, D C@ + -A' ;KKN :'
m ' ' &(C !& 0 ! 0' S' OKP' 7@' AA-+2' @' ->,D'
@ @ + AG' > B -C @D' c @, ' D C@?J+-A' 6
$' ,0(" 0' ,&' 0) ' 2' e' B@' ?-C@' %-A+C D + -A
c!@, D)*)E + 3' B@' ?>+ A >C' OKQM<
X% ' T C 0 2' B +' c @, D JJC- ' B B' B D' E@@A' +B@'
))%@A A.' &!' ' A@ ' @ +B A' B@C' S)) ' 3 ' 0' &' ?(
) &' ' ;L' >. 2' ' C@ >,' c @+ D) ,+A@ ' , >, +@D'
B' +BU') AD>)@A+' .@' +-' D-' ?>' B ??@D +@.--D' SKMM
' = ' B' ' Q OOO ' " @C@G->D@AG' +B@' J- @C' - ' c @, '
+- >C@ ' ;MPP' - B. . ' .0 ' (. ' : ;' % ,,@D' & + 2' C- ?
. c @ D)-C + -A' A>+0 6 ' ' $ $,0'
' e' 4 A' "@? +@' / I> @+' AD' c!@, D , U@' ;Q<P'
4W[=' " & - 0 5,) 0 ' =QP' A CD' c @, D J C .@?@A+'
;Q==' 0J " ' % ' &%?&"!' =0 -+B A.E>+' +B@' -CE DD@AA@ ' - '
c @, D6J + B' B AD@C ' B ' + A.' +' SKKW $' , 0 5$ - 0
S' 6. (- ' !@, E@D X@A?@A+' ' -A@' - ' +B@' -C?' - ' c @,
D J, G)' $%/ ' # ' 9 7 ' +C2 $ -) ' $ 0' C$ $ &5 ' 2 ,-.'
O) A.' A' >6' J +G' - ' 6AD@C + AD ? AD' c!@, D J-
!"Wd0U&' !#' 7-$/ ! 7' 5,) 0' (=QP' B@C@' ' >S>CG' A'
c @, D JCA @' OMQQ< ' ' ! ' ' ON< 7 B +' ?-C@'
J-+@A+' / C A ,J@' - ' c @, D -,>+ -A' ' +B@C@' +B A / -A'
$' ,$ $' " 0' =;9SS+' ==<' ,' + C>AA@' +' @, @
J- ' +B@C' - U@' - ' c @, @ D> -A' OKPQ< ' ' ' - * $!& '
*' B-,@' - ' +B ' ' ??@A @' +C> +>C@' ^ ' +C@@a' -C . Y
A +@D' A' A' A.,@' @,,2' A B B2' EG' C@J@ +@D' +-' - ' @, D -A'
' B ' .C D> ,,G' E@' ,+' >J' +B@ ' ? A &%0) , $'
' ,2 " @' mC)' ' J-@+a' ?>+@?J,-G' B ' A+@,,@ +2 AD' B ' C @, '
@D> + -A' ?> + E@' ,C.@' AD' -?JC@B@A -A' @' OMM=' " ' = - '
% (' &0 ' S ' =LP' B@' ?J ->' c!@, @, + -A' - ' +B@'
O B-J-' ' $-?@' SK) ' 7 ' " ' = . ' 0 - * 0
);LL' B@' .C->AD ' - ' @, + -A @C@ +B@' C@ @, + -A '
7 +B' B B' B@' B D2E@@A' ->C@D' EG' -D' OQ=P ' : ' =
!%V ' & !T' ' ' 8;KPL(' MN " @' ?> +' B @' 3@A' ' .C@ +'
+C A.@C' AD@@D' +-' +B@' O> A@ ' - ' c @, ?J,-G ?@A+' OM=<'
= . (' .&' 0 [T ;==' " ' c @, A -?>' SM)'
6 QI ' $ $,0(' D0,&' 0) 2 0 D' A2 -' B @ ? @ ?!@'
B@ ' 3@ AD' &- @C' - ' c!@, A*-G?@A+' OQSNU ' ,
&') .& T' S! ' ' / @C2 >+B-C2 3G + U2-C%-A*>C-C2'
A E@' A+ +, D' +-' ' !B C@' A' +B ' c!@, @A+@C+ A?@A+
%- ' &' ' ;< AD' +B +B@' &- @C' A'
3 A')' A-+' EC->.B+' A+-' +2 + ' -C A+' - ' c!@, @S + +-A'
<KK=' ' ' ,0LN JC' = M " @C' c @, @S ,> -A' C-?' +B +'
.C@ +' ?- @?@A+' $ /0 < B $-' ? ' SS " 2 ,,'
C@@A A.' c @, @S > @2' -C --U' B ?' OKL<' C B '
& 2& ' 7 U' ;KMO:: ;KO' $@ D - ' +B@' c @, @SJ +C '
+ -A' !' ' ?@ >C@' -D@ J C' -A' +B@' J C+' - ' ?GC D' SMS'
' " - 10' A' ' K' +B A.' J@CJ,@S' D' O@G-AD' c @, @ @SJ, '
% + -A' OQ=' ' ' 0' ' 0' ' ;PO 7 BG' E@ + +BG' E- -?'
+B' ,,> +C-> DC@ ? # c @, @SJ- >C@2, >D E,@2' AD.C@ +'
' $ & ' ' 0' JC' OML O B ' D- +C A@' ' >AE->AD@D' @,'
AD>,.@A @] ,-C2' ' B ' 8 7 ,' +' 7B+? A' a' D? C@C' ->,D'
JC@ @C' +-' ,' +2 c @, ' @SJC@ -A' $ &%0 '), $' A'
S 2' " @' B D' +-' , +@A A +-' B@C' B >.B+' C@ @, + - A'
$' A &/' ' &' ' 0 !@A' A' ? & ' &' %? , ' & ' '
[(#A2 > B' ' UA->+ 5-C' B ' c @, , .@ , + A @ OMO=
7# #3' ' 0 ' KO @CG' 3 A' JC-J@C' 3 A -A' "-> @'
AD' "-?@2' E@ A. ' +B@' !@ +@' - ' c!@, @ C>,+ -A' A%>>' < .1
- &' &!0 ?' SS' ;MN +' ? G E@ -C' +B@?' @, @' +B +@+B@G'
7-CU2 A' ' c @,) + +,-A' - ' +B@C' A +>C ,' [@ ,' -C' +B@C'
G' O) ' $ ' 5 ' B ' ' 0 % 0' A' ' +B@' - !0' < & 0 &,(
O QO') N' " ' @.-+ ?' C@AD@C' B ?' J C ?-A->' @ @A' A'
@, .C + A +-A' $%J& 1' ' . ' ,,$ 0 0' SSS S' '
c @, - B>? , + -A' A & ' $' 0 $ ' 2 B +'
+ ?-C->' D@E @?@A+' AD' @, B>? , + -A' - ' -? A' OKOQ'
) ' = 7 ' $' , ' ;;;' 8;K;K(' LNK B@' C@ D' G c @, ??-Y
, + -A' - ' 3 D ?@' , ' ,@++@' $ &/' *B . ' $' 1.T0
? 0' ' $');KP=(Q=' B@' >++@@2-C' D ??-, +-A' - D- '
>J-A' +B@' >A@C ,' J,@' OK)' ' - 0 !@A' +' 0 '
FU [J0' ONN %C@ + -A' + @, ' ' C @)+B@' c @, ?J C+ + -A'
-' +B@' D A@' O@A.' OKLM< & ' ",!(' ' $ 0!!T' =S; O
; ;

```
B@ JC- @ - -J>, + -A D-@ ? -C@ +B A + ?>, +@ @ B
AD D> , +- @, ?JC@.A -A $ 'H : E &*B !
&-@+ 7U =M " -A->C A B ? A- )@, A , + -A C @
% & " ( &,0 50B !%3 '% $ ,% ?@+B-D - C@AD@AA
-A@' @, E>-G A+ A +@C B@A A D A.@C - DC- A A.
6 ! ) H0 ) ` -C C@
+B@ .C@ +@ + 5 ->C +@ - 5-C+>A@ @S@ ? J+@D C- ? +B U
- !@, A J@ + -A KQN : " ( 8 < $ - ( ' ;;
;<P B + J ,J + + A. @, A,@CC- . + -A $ >J '
' ! ( % == B + +B@ C@ D A. - J -@+CG2 ,@ C,G
@, A+-S + -A SKSK ? 0 $ - - ( S2 : ? -E, .@D
+- G -> -C EC@ U A. +B@ @ + -A @2 B@C@ C >? + A @
C@AD@C@D ) @, A+C-D> + -A J@ >, C,G U CD ;KPL
% 0 A U@,, % 8;KPQ: OKQ - B C.@ -
@, , >D + JA A +-> B B@C2 $%/% 8 - & %( ' S
6MMK( ;QN B@ C . D@ + 3@ A - @, ? @C + -A $ SMK-
B . $ 0 1 '$ $ ' 8;<NK( H " @ ,, C +B@C
> @C !@ 3 C+GCD- ? +B A J C+ +B +B@ ,@ + ! >J,@
- B 5C@@B-,D S! ) & C $ ) ! 1 ) 6 ) OKQ
@CC-C AD @, ? -C+? + -A ;MOK - . ' &! ;;
SSS 4;L B@ @A@ @ - , >,, ') @, @ A@.,@ + ) $ >
= 7 & - $ ' . ' S 2 B@ B-J@,@ D@*@ + -A -
@, A@.,@ + $%/% . = C ?&,,$! ' 0% (
C$ - $ ( ) S,2 8;MQ=( P= A .,-C -> J- ? J2 AD @,
- +@A+ + -A ;QOK C ( JJ LOQ B@
- +B@ + C@2 AD C+ >,A@ - @, J A@.GC
D-$ ' & 0 < !$ ' ) 5 ( O;Q B@G D@ ? -AY
+C +@ + ,, +B@ C ! J C +> , +G EG !@, &@A@++ + -A2 B J,G
+B-> AD AD +B-> AD + ? @ C@J@ +@D SK ) ' B
) &1 &* ›( S <K B@ +C A.@ " @, J@ ? -A - ? A
, U@ 7 ,+@C ! - ++2 +- ->A+@A A @ +B@ E-CD@C , U@ -C .@
- B C @AD $>+& . " ' & 2 7 @ ? G @@,
%- ? -C+ EG ->C !@, J@C > -A ;KQK ' . 8 A
$ ) ;< # + P== X B@ J + , C@ - @C + @, 2 AD + .C- +B
@I> , +- -C JC@ @D@ +B + - +B@ + ? @A 2+B@ C@ >, + > A.
A GA BC-A-> ? +>C +G2 AD -A @I>@A+,G @, J-,, A
+ -$ ;K<N * , $ & L 3 G M;= S 5-C+ +>D@2 @AD>C A @2
) @, J- +J-A@ ? @A+ ;KNL 7U
;KNQ : : : ,, 7 B@ A- + +@ ? J+@D +- @, J+@ @C@A @2 AD +-
+C> + A B - A C .B+@-> A@ + SKMK *( E 0 ( & - - 0
, T 8;KK<( ;=N B EC D.@ E@+ @@A @,BJC@J C + -A AD
+B@ >A @C +G ->C @ S ) < . &0 ) , K
,,, A @ @C +G - @,C JC@ @A+ + -A SJ-S < ?& "
& % OS< , \ @ B@ @A,G A+@C @ -A AD @, JC@ @AY
+ + -A - %BC + SKK- ! ) ? 5 * & & 4 + ) L @C+ A
@, JC-*@ + -A - +B@ - ? ? @A+ +-C A+- D - @C@A+ -CD@C
- D@ SKK- - B ) ( ' 0 0 +- A @, JC-
+@ + -A B@ E D E@@A -E, .@D +- C ? B B-> @B-,D2 $ ;P )
!,$ $1 ,$ $ 8;MOO( ;<= B@ @, @ J>A B ? @A+ -C -+B@C
.> ,+ ;Q<K !- " 01 +C !$ ' 1 & ' 8;KOM( MQ
-A : EG @, ) >A B ? @A+ +BG .> ,+ +-A@ c&RN !$ ( (
4 ;=K S B@ @ C@ @S ? J,@ - - A D@A+ , A.> .@2 A-+
- W@, I>-+ + -A ;KQL 3 .) ( W & - $ 8;KQM(
S-S B@ + ? @ B D - ? @ -C A CDA@ AD @, C@ -A
+C> + -A ;K=O " = & ' & % & ) ! + A SSS, 2 #A@
J C + . -@ BC->.B ,, +B E>,U2 A- + EG @S+@A -A O> + EG
+-+ ,, @, C@D>J, + -A S ) O : ' ' $
A @, C@ -C ? + -A +B@ -> E@ - ? @ C@+ B@D EG +B@ C
E +@A+ -A 1 ( P A *>D. A. - ? @A2 + -C ? A AY
- ? J C E,G B .B@C + AD CD +B A @, C ) C@ @A+ + -A U
# - 0 7U ;KP; 4 LQ< ) !@, ) C@J>+ + -A A +B@
@S@C @ - . ) , SKKK ] 5*& ( "L C 0 ;ON 6A J@ UY
E,@ C@ +B@ D A+ .@ B B ->, -E+ A EG +B @,
$@ .A + -A SK ) ) # ( . $! ' - - ' 0 ;
"B '& 0 B@ OC + B %-A + +>+ -A -A+ A@D +B A + @,
-J -> ? +@C , -C @, C@ +-C + -A ;K=O = 7 - (
S 8;K=K( : ;M< A ,, +B@ @ + - @, C@ +C + -A ;K<K
& ' . ` ( H0( OLQ -,@ CA AD@J@AD@A @ AD @, C>,@ SQ S
: & * ! &-@+ 7U : =M= 5C@ I>@A+ @, C>+ A @
+B@ " > ? E,@ ? U@ 4K=N $ ) - * " ›
!&, . : =Q2: B @ A- J- @C - @, A + B + -A 8 -C. @ ? @
; - A +B + JBC @( C- ? +B@ G A A. .>, E@ -C@ ? @ ;MKL
$ " & $! MM< !@, +>DG AD " @ C+ UA- Y
,@D.@ 4KPP & ;; SS , & + @A @2 @, D@A ,2
@, >ED> , SKK : 3 7 A( &1( ? 2 B@G JC@ @C
@, AD>,.@A @ +- @, >E*@ + -A ;KPL < < ) A
SSS , 4 LKQ !J C+ A @, >JJC@ -A AD C . ->C - , @
' = & ' & % & ) ! ;; S, 7 B@A B@ D-+B@
+B @, G B> B A.@ B@C @, $ &$ = 3 . (
&!& ' 00 &!0 S- C .B+ +- @, .- @CA ? @A+ AD
@, + S + -A SK-JV - . ) 7 ' 8;KMP( L; B@
B D@-> JC + @ - @ +-C+>C@ ;K=N ' Y V ! 0
B@ %BC + A + - B @ ,@ -A X !@, @ D@A ,, 2 AD
!@, @ +CG ,, O >A LL %>,+ + -A
AD C@ A@ ? @A+2 JJ C@A+,G I> C@D EG @, +> + -A ;QN<
6 . $ $, ( & $! e O !@, ,> + -A >J
- @ !@, 7 -C+B ;KP= = . $ ( 0 ;;; 8;KM=(
: ; O !@, @AD + -A A+- , @CG P - ' 6 [ V 0N && & - $
OK !@, @ S + -A ? G EG A- G E@++@C E@ E, - A@ - @C2
+B@A EG C@ U-A A. ? J- E,@ A- + +- -A @ ? @ ->C / @ C@
;K<N % ( 0 " 0 0 # 0 ( L;= : -E
,@A @ C E@++@C +B A E -A' @, AD + -A ) ;KL;
. . $ & 0 S S2 B + JC ? @ , ! >J@C + + -A2
r !@, -C B J
3 H *6 ) 34 =3= (= =-4?
(371 (* 7
O J0 = ) . ) A @@D @ % 8;K=<( ;L; # A +B@ @CG
E U - +B @, E- ? A + A.2 C@ C A- +B@C ? -A> ? @A+ -
@, @S ,+ + -A %&R& " 0 C 0 C $ ' & ' OKN
%-A+ A G->C @, A +B@ ? ++@C - @, D @C+ A. 4QKK Q=
B 0 $ 0 8;KL=( PQ; " > ? , + -A AD @,
" + A. % ]R . . & O;P - -JB +CG2 r @,
E, AD A. -C -+B@C D B-A@ +G % _ < . $ ' 0 0
S 2 r !@, B@ U A. AD >JJC@ -A )%_RN ' 8 !% 0
XM # >C D@D + A. ->C @, @ 2 +- -D2 @, - ? ? ++ A.
cM]& !$ ? 1 LMQ 7 +B->+ CU A. 2 - @+->
A@ @2 -C -+B@C @, D I> @+ A. % N< , $ B% ' , " , ! (
! 0 V ' & B!0 <<O O , @ ? J+G A. - B ? @, ) AD +B@
> ? J+ -A - B> ? A A +>C@ % ]N = 7 - 0 , 8;K=K(
== -+B A. - @ C D- A +B@ B CJA@ - -A @A @
@, @S > A. %_NR ) - 0 $ 0 & ) %&!
0 8;QK=( KK !@, ) @ ,-> A. @,, E@ - ? @ %BC + A c_b
! ' 8 ) - 0 PL - U@@J > @ @C B> ? E,@2 AD +- ,,
> +B @, ,- +B A. SK ) !!1 ) › " 0 0 LMK
&@C @C -A - @, @@, A. ? G >, ? A +@ A @, ,- +B A. -C
B +C@D 4P<<! " 9! ' 0 ) 2 QP !@, @ ,->@ A- + - ,@
,AA@2 @, @ A@.,@ + A. c bR - 0 !@C
? 6 8;K ) L( 4#4 B + -A@ - @C A. C@J@ +@D A +B@ , @ AD
r @, - @C A. - ,, c&RN - 0 $ 00 XX JC X- B@
B E + - ! , JBG U A.2 - +@A +B J- @C >, DC>. 2 -A
```

```
+B@ A C@ @ $ &O 7 6 ? $ ! 2 ) * ›
7U ;KOP : =O; &C D@2 E, AD X@ ,2 AD r @, JC X A. SKK
8 ) ( &% ) 3 G @, I>@ + -A A. B ,+@D B@C@
;K ) ' , " , ! ( ? ( 4 : : <M O " @ >AD@C -A+ A>->
->C @ - @, B--, A. S -W ' . I 55 LS & % $ '
0 - ( S ) QM B@ r @, ) ->C. A ) J>E, ,G @SB E +@D
EG +B@ AD A & ) C-> U A +B@ B>C B - 3 -A+C@ , SKKS
M ) - 1! ( ;L< B !@, !@ C B A. +B@
/ >+G @ C@ ,,@D >A+- ;PQ; < . ) 7 $ - ' ' C 0 S 2
K " - -@>@C +B@ A.-D,G E@.>G,@ +B@ ? @,>@ +B +B@ C
%
KKO
C& - 4 & + OMO ; -CD2 >AD- # >C r @, >AD- A.
4<NO : ) ' ! ' 0 , * ( ; < B@ @, >A @ 6A. - -D
SQ-- : " - '& & &-@+ 7U ;NP " @ r @,
>JEC D A. @, + E ! J C + . -C@ ;K=N = . . (
8;KKL( ; ;O= # @C - ? @ EG B@C +@ C AD JC- ? @ AD @,
>JEC D A. [MQ4 O $ O ( ;= B@ @, B JJ A.
- +B@ &-J B &C @ +
D H *6 (K- * 7E =U (= 7 -
W67 (<) -0* =-= 6 1=-4?@ 7 - K ) - *7 =-4? (<) -0* =->
1- *
4K<N C $ !! $ !! < $0( O; > . , B@ @ @ ) C )
->,D ? U@ + C +B@C ? -C@ D >, + C-C ++ @ ) D @C+ @C
AD +B@ E-C@ +- A , + +B@ ? @, @ >J-A +B@ " -> @ KP=
9 . N&& & - $$ I> A D C@+B D- + +- +B@ ? C->D
@ + ) * !$ ) !@, @ JJC- @C +B@ ? , SK= + C ' ' "
" , ! ( 4 4 OQN O B@ $ - &. , ' ' . ( -C !@,
E J+ @C E J+ @ +B@ ? @, @ EG C@J@ +@D,G A. A+-
C @C ;KPK 8 . ) +C & ) % › $ 0 ' ( K<N A C@@U
D - CDC-J@W2 -C r !@, E@.@++@C ;P<K . 3 ? $ $
$ $ ;M 7 B- 8r @, - ? ? AD@C ( C +B@C A >JJC@ ) O G
@, @S ? J,@ +B@A EG C .-C-> A@ @ O>/ # !
- KK 5 K B D @ @C ->AD AG - +B@ r @, -A+@ ? A@C
? >JB CC + +@D EG +B@ -A -> A@ - +B@ ? @ AA+
;KQO L ? $ .$ › , $ ' $! ;M 7 B + -C.@+ >,
r @, %-A+C D + ) +B ? A SK K 6 ) $ ' ; ( SG2
A ,, A ,, > @A+ @, D C@ +-C $ $>OJ # ' B A
$ $ !0 - ( & !! ( ) 0 8;KLL( : OP< + ? - + JC-E E,@
+B + ,, O CA ,@ C@ N; E-+B @S@ 2 AD r @, ? JC@.A +-C 2
L d> ; 9 1 C $ ( @+ S ; ;K -+ U@ G-> -
C- ? E@ A. r @, -CDD A@C2 -C r @, ? +C>D@B ; ) N<
6 ' ( , & ' 0 ) e O !> B ) # Q A
C@ , +G !@, V#JJC@W @C2 AD , @ B@ @C -A B ? @, +B A B@
A @ @C D- -A 3 >B A ;K=N B , ( ( =P O
B@ ,@++@C # C G2 %- J@C2 AD 7 ,J-,@ 2 @, J +A+@ \
4!<K !1 !+ $ ? $ $ =P [ E, D@ 7 B@C@ +B
A 3 A AD E A @ .,@D 7 @ C !@, J CC D@ ( B @
C@ + +B@ C JC-J@C , @2 S ) = 2 . $ " 3 G2
r @, J I>@C >J-A ? ? @A @ .--D EC@@D A. 4K<= 9 =
$ ' ' ? !$ , . 42 B@ r @, J- -A@C B D D-A@ E 7 ICU
@,, ;MMK / $1- + $ - ( C& " 8@D 9 @C( =K
^ @C@A @ ' a $ ) & ' - & ) - '& -C r !@, &>A B@C ;Q=O
B 7 ( 0 QS; 3 A r @, >C -C @ CG G@ C
;K<< ) 1! ' ( JC OPN 7 B@A B@ E@ - ? @ A- + r @,
+@ B@C E>+ D+ >@ ;KQK ' ) !1 $ SS+ 2
: ->,D -A,G +>CA r @, @ +-C2 AD + B +B@ -J@C
+ -A - ? G B@ C+2 L = ) ) . 0 % ( & - P;
B + &@A A @ - +B@ 5, ) @,, A+@ -C !@, B J V@C! S&S"
: $ !! & % " * & ' 2 ONQ C.@ @, -C B J@C
< H *6 7E = 7? =*(*- 70 D7 < * 7 U (=
* *6- D7 < * 7 7? 3- K (W(0- 7? 7 -=-4?
1 (=*-0+ 7? 7 -=-4? =-4? D7 1 1 ( <
! - ? @ - +B@ - ? E A + -A ,,> +C +@D >AD@C +B B@ D AD
+B@ A@S+ ? .B+ +B @I> , JC-JC @+G B @ E@@A C@ @CC@D +-
L +B@G C@ J, @D B@C@ E@ > @ +B@ C@, + -A - !%3 +- +B@
@ -AD @,@ ? @A+ ? G E@ -A @A @A+,G D@BA@D -E*@ + @
;KKN 1. ) - $ ' 5 * ( L= B@ @. - + -A -> Y
A@ ] +B + 2 ->C r @, C@A@ K - I 8
( & ( e OL 8;Q;M( O= r !@, C@D>, +G2 JC D@2 AD ,@ +G
,@ D >A+- @, D-, +CG2 S -S ' 8 ( A % 8;KLM( ;KP
? @ A AD A.,-C -> @, D@ J @A G 4KKP ' ) -
OM / @ K ) O B@ D>+G - r @, D- ? A A @ 4K=Q %
` " ;;2 3 G B E +> , ? --D - B> ? , + -A2 r @, D->E+
;MQQ < . 0 < ' ! A L &C@ A. ? @A +- J C +> , V# @C
+ @2 @, @ ? + A@ @ ;QL= O ! D ( 6 ) ( 8;QK<( O* O G
+B@ A ,>@A @ - +B@ ? @A + @ JC A J,@ - , ++@CG AD r M,
-ADA@ SKQ 5+ $ ' ' ;O F>+@U ) B+@D
r @, *@ ,->C @ A @S @,,@A+ JC@ @C + @ C- ? A $ SWK-
8 7 -C@ ( 2 > + A@D @, ? +@CG ;KN< 9 ) 8
C& - & $ ( ' * 0 S 2 " JJG - -A - + EG r @, Y
? +C> + C@ -C @ +@D SMMS < . 3 . . $ ' 0 & - ( M
7 @ ? @ A+- +B@ -C,D2 AD @ UA- A- + B- @ * @
A' + A r @, A@ @A @ SKMK 8 . . - & ' - " ? . 0(
" ' 8;KQN( =N " @ B D ? -C@ - +B + . --D ,> U - r @,
-E, -A +B A ? - + ? @A c ]N A " 7 ! ^ ? +Ba ,
$ * * " % 8;KKM( Q< C@, A I> B ? @A+ - +B@ JC A J,@
- r @, - A@C B J % ' = ( $ ! ( SSS
;O< B@ , + ++C E>+@ +B + - r !@, J@A@+C E , +G ;KN<
$ ' . . . ( &! " * 8;K;L( OS B + @, C@ -6@ + -A
AD - ? J- >C@2 B B C@ - @ @A+ , +- D@ -+ -A ;KLO
r !@, C@ @C@A @ 8 @@ . 6" . LV! A &> # ' . . C& -
4N= P @ + B-CA ? G @, @ ? G - A@ r @, @ +> A@ E@@ 4Q=P
: = !%V ' & 2 !0 : 8; !PL( M 7 +B B + % ) @
C@ +- @S ? ? @ ->C @, @ 2 A -CD@C +- I> C@ +B A ) 7
+ A+ r !@, ! @A @ ) OKN= 9 ) 8 - $ !! !$ ' ' K B
,- @ r @, B@,+@C , U@ B A. + C@ +2 , OK=P ' 8 . .
0 $ 6 8;MPN( MM " @@ +-- ? > B ) @A +- B +>DG
AD @, - ,@+G S ) - B . . & ) ' & ' , 0550 MQ r !@, @
> J + -A - EGJ- C @2 B-J@ >,, G ? J+- ? @ - A @C +G
SK ) # ( & V ' &5 ON > . 2 A ->C .@ ? @A+ B@,D
->+2 +- JC G@C2 AD +- r @, + B >,A@ ;Q=K = . =
CO 0& 1& % 0 SS 8;Q=<( - r !@, @ C A@
C >? + A @ +B + @ @C ++@AD - ,,G
^ H *6 U (= , " D(L(34- 7?
(<(L* K 7 -=-4? 70 *=-4? ,6- D- 3+ -R*- = 7 /
L-0*( K *7 ) 74) K 70 D6(0(D*-0 I -< 3+ =-4@
(<(L*(* 7 ?7 < 7? 7 -=-4?
;<NL 5 7 " = ) - $ ' C 0 O;M GJ , - , @
+ r @, D J+ @ # 7@C $ %& B 0 $ ' ! 6
PPN CA@ + r @, ? + @ JC G@C $ O ( C & (
, 0 8;QNQ( ;KN 8: -D2 B- > B --D2 ) O ->A+ >,2
r !@, - ? ? >A + @2 r !@, D > @2 6A @C , X@D O@ A.
A & ' 8 . . !$ $ * $ - = N + ; OMQ r @, D D ? >,
C $ $>O> 9 . 1 . < &0 8;K=Q( : OOO B@ @, -AD@ +
AD .C@ +@ + - J-@+ $ &/ I 9 ' . C& * 0 ) , (
S 8@D O( OQ [ ,, J-J>, C -J A -A AD A -C ? + -A2 B B
```

```
B-,@ - ? @ AD @AD>C A.2 r @, .@A@C + @ OQ=P : =
!%V ' & 2 !( 8;KPL( Q %-AD@ ? A A. - +B@C -C +B@ @CG
C ? @ @ ->C @, @ C@ .> ,+G - 2 B B @, .A-C A+
3 A @CG J+ +- D- $ 5 : " - ' $ ' 0 &-@+
7U : LOM 7 @ C- ? >C JC-A@A@ +- E U , D@2 r !@,
*@ ,-> 2 B-> D A B@@ @ ? AD@ $ ;KML 9 . & - - (3
C !( ? . 0 8;KM=( ;QL ^ J C+Ga +B + > ? @ - ? @ r @, , >D
+%9G + +,@ ;K<< 6 . $ $ , 0( ' D 0 , & - 0 ) . e L
%C@ +>C@ E@ @, A@.,@ + >,2 AD A @AC E,@ - / A.@C
SKSK . . $ - & ' ; K< r !@, -E, -> -, +>D@ SK )
= 3 0 ) - ( $ & ' =P D@ C@ , ) +C +2 C@Y
,@ + @ AD r @, J@C @J6 @ U B $ - *
e K 4Q B@C@ A- A@@D +- - @AD EG ? J-C+>A +@2 @, JC-V
, ? A+ J,@AD->C ;K ) . C ) 78h + @, -AY
> ? A. +@2 r @, J>A + @ OKQK %>J - $ " ' ! " (
K=M r !@, $@ -6@J+ @ &- @C ;K=Q
C ' , OQ= !@, C@ @C@A+ @ B AD C@ @C@A A. @ B
SKKK $ 5 ' ' * 0 ? 1! ;PL B@ >+B-C
@A+ C@,G @, >JJC@ @ SKMK : 2 , 0 ! 0
' 0 ;M 3 -D@ +,G @, > J ,-> OKK= ? , .
+2 7 @ C@ r @, >A @C+ A @C+ +>C@ O<NL * $ . : >A@
OLO O -+B A. @S + 2+- U@@J+- . @+B@C E-DG - @ CG AD
r @, @ CG ? @A
? H *6 LL4 ( <M= 1 (=
(3=1<-1 K7 -=-4? ,6- D#@3+ -R*- = 7 /L-0*( K
*7 ) 74) K 70 -3(0( - ? -0 @ 3+ =-4? (3@<7 1- *
, 70 *6- -R*- <-< 1- ( K D? =- =- ; 7*- 3-47W /
SKSK &1 & " SSS 2 B@ - E@.-A@ AD r @,
E AD-A A. A- +@ A B B B# >++@C@D +B@ D -A -, +@ -CD
% <M " $ * & (=H ` 7 PQ 7 B@A +B@ r @, EB-CC A.
+BC ,, J + % _] 7 2 9 X ! & , h ON LN
B->.B+ ? G E@ ,,@D r W@, +> , A. >A @C , ;K )
B 0 $ ' ! MP B@ +B@A ? - + + CC A. AD r @,
D J+ A. J@-J,@ % & ] C& * ( 0 & ' ! " : >A@ ;K= +>C@
? -C@ @,+ D*> + A. +B A B, ) G +@ ? -A+@ ? J, +@ c&RR
$ ! " 2 ;R - = Q A D @C+ A. AD @, D @C
6 A. .@ 9, ' ' 8 , , ( $ 0 5 * ! / >@CG
( $ ' ' OPP #A@ ) JJC- A. :
V @ I ->+ @ .B # +>J D + C@C ;KPQ ' B 7 & -
? &2 ' 0 2 @, JJC- 9 A6,@ ! G ! $ )
? $ $ 2 ;OL B@ C A@ , ) ) @, C B A. ? ? +B-> AD
CE->C .C@ ;QSL B C . " 03 - & ; ; 8;QS=( =N
' & ( B@C@ A .C +G D-+B !# C - @C J- @C +B@ C r @,
++C + A. & - @C ;K<K - ? ) C $ , 0 , 0 8;QNQ( L=
- @ - r @, E@+C G A. & -A ;KMP < C !$ &
P r @, B A. A. AD @, D@ @,-- A. -C @ ;OSQS;
: " - ' $ ) - & - @+ 7U L A +- G - A r !@, --C
JC@B@AD A. B->.B+ ;K=Q % ' S , &!$ & SSS
OO # C D-+B +BG @, -A ->AD A. A G @ C@ +B@@2 7 B@A
+B@C@ A- D A.@C A@ C@ +B@@ + ;KSQ . ) 7 ? & 0 (
8;<NQ( OO< r @, -A -6A. .C A OP<N 1 ( A (
, + 4 X 5- ,@ @ ,- @2 +B + ? U + +B@ ,-> A. B C+ @ )
+ @, @ +B r @, @ -A >? A. ? C+ ;KPP KQ " =
* * ( ' 0 8;QSO( ;KP " - + - ? @ +- J +B + +B@ ! ->,
AA- + +BDC B@C @, C- ? J A EG B@C r !@, -A+C + A.
>,+G2 S ) - L $ ' T 0 ++ = 8XM ) ( <O B- @
r @, ->X@A+A.2 -C ? ,2, X,@ &CJ,@ -C - $ @, . -A ;KPK
$ S B 7 " , 8 KMN( ; = B@ @, D@ G A. +@AY
D@A G $ OPKM ) * & C, " 8 CE ) * L= B@ @, @
D@>- > ) A. C>@,+ @ A B ! 5 6 @C +C@> ; h
C !& 0 V $ ' S =MP 7 B@A@ @C @ -A @ @ AG -E*@ +
r @, D @C@A+ + A. ;QKO %UV JI$ & ' $ 0 QLP ! B ? @
>J-A r @, D .C A. .@ ;K<= 7 = . . < & * 0 " 0
$ ' , %0 8;QM=( MP 7 B + r @, @ ? J+G A. .C @ +B
;P<K . 3 ) ? $ $ ;; MQN 5->,@ I> A+ A.
A @2 +B + @, @ @ + A. , @ S # $ . = ! +
BC@@ -,D C@ + @ -A+ A A. +B@ ! A+ !@, @ @AC B
A. S ? A + -A SKKK - & ' - " ? . 0( $. 0
& ' , - & =H ` h + O;Q # >C r @, #4J,- + A. A A@+@@A+B @A+>CG
OM=K - B . . & ) ' & ' , 0 O= ->AD@D %-A @A @2
r @,@ @ C A.2 @,@ C .B+@D OP 3 & - ( (
;NO r !@, @ B C ? A. , ) , ->C @ U\ K L 9 3 B@
r @, B@ , A. J- @C - , A. A, B , AD @.@+ E,@ 2 $ ;Q; ;
: " - ' C 0 & -@+ 7U 2 :2 OK<r !@, B> ? E, A. @ 2
S ) ( &!!0 , 0 LOO -D ? > + A@@D E@ r @, ? Y
J C+ A. AD - ? ? >A + @2 & " , ! ( ' $ 0 (
LQQ ; A ? AG ^-CD@C a +B@ @S@ C@ r @, ? JC@.A + A.
4Q ) : 8 = ! › B@ r C F+@CJC@+ A. O E,@ ) OKQK
< . $ ' ( 0 S4S 2 r !@, , @C + A. J@A +@A+
OSKSL 3 B ( @+-+ 8;MLK( S-S !@ +@ , B A.
&@A +@A+ C @ ;KL= : = ) . ) A @@D @ %
8;K=<( A ) D@.C D@D AD @ ,- +B A. + +@ -
? AD SKMK : " ( 8 1 ' ' $ 0 ,,$ 0 #S " @C
B@ C+' r @, ? +@C A. J- @C SKK ) . $! ) 1 ( S7
U AD - JC-J . + @ -C @, ? >,+ J,G A. J- @C ;Q=P :
= !%V ' & 2 !0 8;KPL( ;MQ # ? G @ ? D@C A.2 r !@,
A@.,@ + A. ! -> SKM- % - 0 S ;QN ,, + -
r @, - @AA. ,- @ ;K P : &0 6& ' $ $ ' ; ; <
,, +B@ E D J -A - ->C A +>C@ B @ r @, J@CJ@+> +Y
A. J- @C SKMK * 0E ( 0 & - - 0 , ( 8;KM<( OMP A
AG - , -A.@A , +- + .C- +B2 +B@ +- B r @, JC-Y
J . + A. O;PKK ) , $ $ , 8! - J ? @C( L;PE2 - +
A@ @ r @, @ J>A B A. C@J@A+ >A @ ;KOQ . . & )
& % ( K= r !@, J>C G A.2 >AJ-,,>+@D @ " <
- * $!& S L=< ' & % $ ' @ ) JJJ- ++ - " B B B@ -
,D@C r @, C@ ? + A. A AD>E + E,@ JBG -, -. , +
;KQ; = . & ' & , A 0 , 0 !@C . 8;KQK( QL
B@G ? - @ A -A + A+ AD r @, C@J@ + A. -CE + OKOP
' U . * & % ;KM , - +G AD r @, C>+ A A.
? E + -A ;KNQ 8 ) 8 & ;MLN @, >C A.
,@ ,@ - U XKKK 8 ' 2 !! ' ' 4 " B &@A A @ 2 AD
r @, +-C+>C A. / J, A@ SK K ( $ 0 A SS 2
B@ @, +-C+>C A. -JB +2 ,D $-> @ > ;K=< < &!(
8;KPN( ;NQ B@ r @, +C +>C + A. AD - +B@ C@@ OSQS;
: - ) ' & - @+ 7U KL & + @ . ,, B r @,
>JEC D A. 3 AD2 $ ;PKK ) , $ $ ;; 8! - ? ? @C( ONO
+B @C+ A@ A @C@E-,D@A@ @ - @, @ CC A+ A. C @ADY
B J OMPO 8 $ - ' C & & & 7U 8;<N=( O=Q
# - + @, ->AD A. &@, A ` O;KPK 1 ' . . 0 C
& ' ' A ) $ !0( # >C @SJ- ) A@ +- +B@ D A.@C - r @, C-A. A.
-A @I>@A @
Q K H *6 ) 3 =*- 1= ?7 E K (<M= (= ^
=-4? * 0 K 4=7 . 6" . .
$%$ 1 " 0S B@ D @ +2J@ E CU A. / - . 2
44 H *6 ) 3= & ( <L -= LL4-=
2;MN< 7 3 $ ' ' & & ' 0 8;K=2( C B JC@+ -> @@D@
```

D-+B -) @, @ E@ -++B- @ B B+ U@ + $ SMSK ! .3 I
& & ON= 7 B +0@ >+ @' B !@, E6AD b @, E AD@ 2
AD @, + @, E@ + B@ 1 / OKM A 5 C@2 C2 C+B2
7 +@C2 B@ -C,D @, DC- A 2 @, E>CA 2 @, VB A. 2 @,
, @ SD - : $ - $; ;LK !B@ - @C 3 @ V -,D
A. , U@ - @C +B + A+ A+- + @, +@ @A A.B->C ;Q)
O !) 2 " @ !@, --+B A. A B ,- + + +@
!,@@) -A @ >C@ SK ! C- $ ' PK B@A
+--D &@ U >-+ -C+B2 @, >A+ A.

H *6 (<)= 0-4(*-< *7 (D*E(4 70 L7== 34- ?7 (8 *7 = - (< ? ,(37)-/

SK<J - T >+ K :>A@ O ; B@ .>C@ @@? @,
-.A E,G E>C+B@A@D +B +B@ .C @ - ,, +B@ .@A@C + -A
C $!! $!! </ O= 3 C2 P O " @ @ -A - "A.,G @SY
, ?@D2 T @ C- ?@ C@ @CC ;MON F - 0 > 8;M=N(
MP - -?@2 - @, @ JC-D +-C -> ,G2 +- E@+C LC B ? @, @
+- B @A@? @ ;<N< $ 8 &% % S OON " @
B- @, +-,@C A+,G -?? + A ;<N; , - " ;= / @
PKP O # A,G A+@A @ @@, A. A> @ + ^ ?@+C@a @, V AD
+ A.,G

/ 71L7E <= W *6 L(LL4-= (< LL4 (<M= W6 D6 !%> <- 7*-= *6- (K- * 70 W6(* = D7 D-)-< (= *6- (K- *U >^3+ 7 -=-4? 70 *=-4? 3+ 7 -2= 7W ,E (<-</ -??70*= 70 (D* 7 W *67E* 6-4L ?07 1 7*6-0=

!> B -?J->AD ? G I> , G +B@ D@ .A + -A - 4$+ P
J@C -A -C +B A. +B + +B@ >E*@ + AD -E*@ + - +B@ + -A2
!%$ * % " ' , ' & @A -C JJ- A+@D EG +B@? @, @
+ +B A. +B + -J@C +@D >J-A2 J@ +-C ?@D2 JC-D> @D2 @+
EG -A@ @, 2 !%3$ * * & ') I) JJ- A+@D EG
+B@ J@C -A B ? @, 4,+ +B A. -A @ @D -J@C +@D >J-A
EG + @, 2 !%3$, &,. b C- U -C?@D A+- C B@
- +B@? @, @ +B->+ B>? A -C ?@ B A , .@A G2 !%3
1$!$ ' , ,$, +B->+ @S+@CA , >JJ-C+ L B E@,-
7 B@A +C A @CC@D C-? J@C -A +- B + -A 2 @+ 2 -?Y
J->AD - +B , 8, U@ +B- @- (I> C@ D@C ?@ A A.
+B> 2 !%3$1$ ' &' I #, ' &' EG -A@ @, 2 B@A @2 >,, -
-C ? CU@D EG @, E AD-A?@A+
A -?@ @ +B@ -C? + -A C@ A ,) , AD C @,G
D? + - A ,G+ , @SJ, A + -A @ . + 5 $* , C-?
* , * C-? * !%>
- & % C-? !%3 - & % ,$ & ' (
;Q<4 %- & $! $ 4 ;LK -C @SJ@ +@D ,@ B A +B +
+B@ B- + !B->,D @, E AD-A D ,, A @ G JC@G ;KSL
+ ! < $&) ;NNM B@ @, -CD@D .C @ # A @A+
--, AD ? -D@CA UA @ 4KN< 4N # ' 8;KM)(
OP !@, UA- ,@D.@D E@ + ;KOP ? & SS 2
B@A B@ +--D @, I> ++@D +- B@C - A ? AD ;<NK
$!" & ' (M - 2 P L A - @CD- @ - ?-C-B @, D
? A +@C@D SP< 9 , 0 % > PL " C@ -A
,, +E,> B A. A B @2 -+ E,@ +- @AD>C@ +B@ .B+ -
/ G O>+) @, @ C .B+@D2 +C@ ?E,@ + B AA@ 4Q<<) !!
!@J+ L O !-?@ - +B@? ^J ,-+ a C@ @,
JJ-,A+@D2 S!J N M : " 0 ;QO " @A.C- A.
@, JJ- A+@D D>+ @ 2 S) # ;;= 7 B@C@
C+>@2 @, JJC- D2 C@ , A@ B@C B@ D ;P<K !)
$ $ PLQ $- U @, C B@D EG +B@ @ + A. %>CC@A+
SK K 0 2 ") @, >?@D JC- @ -A -
+B@ , ;KLL : " V M " $ ' ; 8;KQM(PP B@
@, >+B-C @D2 CE +C CG D- +C A@ - +B@ B@C@+ SMMG
: C 0 0) O=O C+B @, E ,, A ', -A B@C %@A+@C
E>A. ;K<N $ + M &!& ' $! %& - KJ (
L=K %C>+ B,@ AD @, E , A @D ;QNN F) B
" (4 QK !@, E A E D C-? B A + @ B-C@) ;Q;M
, - (8;Q;Q(2 ;PM !@, E@ --,@D ! AA@C 5"
2 * , $ & &0 Q B@ @, E@ J C .C JB@D2 +B@ @,
J> @D AD +B@ @, D-C A. 3 -+B@C E A.+-A ;QK= # M$
&,0 ;Q; !@, E@+C D2 AD , >,,G >AD-A@2 L, F !
$ 0 &) ! %-A , =PP - +C A -C?@ ?@ +-+ ,,G A+- @, @
E,@ @D C@ +>C@ ;M=N + M 9 & ?% 0 S2 +B@ &C@Y
, +@ @C@ A-+ @, @ E, AD@D2 +B@G ? .B+D @CA@ +B@ C@ -A
4KMP F 9) (0 ;; S 2 " @C J-?J-> @, E, AD@D
+B@C ;K=M + 9 0 (% & 2 3 & ' "
J@C -C +@D +-A@] +B@ J@C -C + -A ? . A@D EG +B@ >,. C +-
E@ ? D@ EG +B@ + A. - A DD@C B@G C@ , - ,,@D
@, E-C@D +-A@ ;QK= # M$ $. KK !@, E>C @D @C@
+B@G D @ ;KL< (" 0 ' 0 W Q= @CG >EY
+ A @ +B@C@ -C@ E @, > @D +B + E + @ @A @ ?J, @
+ @S +@A @2 $;M=< F , " " " 7 " -)? 7 U 8 QA(
P -@ @ @, B- @A J A ;QSK &-& C 7 S F M),
,- D E@B AD B@C B>+ +B@ , @ - .-,D 4K== & (M
0 10OP " - + - C?@D + X@A 2 @, J D AD @,
-?? -A@D SK D Q) , ?& !! S 2 0-,D A B @,
-??E -A@D > @2 L R " ' $> (2 -
E@ C@ +-- D@@J@ @A @ # B@C - A@ @, @ -A @ >@D @S @,Y
,@A @ ;M<< + ! C $!0 M< B E , ?@ AD @ -A >+@D
!+-) SKSK ? 0 $ - - (S2 B@ -,D .@A+,@? A2 B
@, -A + +>+@D -?J A -A ;ML= : & -) PNQ +
B ,, E@ A @+@CA , C@ +,@ B A.@ !@, @D2 AD @,
-A >? D ;M==] & , L< 3 A - A ,, @,
-CC>J+@D ;Q=O S , ((=<P @ CA2 AD , ?@A+2
+BG) @, D@ @ +@D B@?@ SM) : C ((;LN B@
C + -C+ EG +B C - A >..@ + -A @,,2 !@, +@?J+@D2 @,
D@JC 'D 4QK= # M$ $. ; OP< !@, D@JC 'D # -+B@C
C@@A 4KNK 3 0 0 E!" 6 8;K=K(Q= !-?@ B @
D +B + +B@G ^ ->C @ @, a ?- @ A + A + @,G2 @,
"C@ +@D ;K<= C&* 0 , 0 & ' !" 4 PSM !@, D C@ +@D
A@+ - J) @J+ -A ;P<M $ 0 A ( ) ;= !@, @
D , U@D , @ ;P<K !) ?$ $;; L<L B@ C
@, D--? 'D ->,@ ;QK< # M$ ' A) ' > &
&' &' ;= AD C- , @+ ,@ 2) @, DC @A SK K :
! $ ' . ' ' + + ,, .C@ +@C @ , +- ?@
+B + ? @, @D> +@D ;KQ; ? . ! " S LP;
" >AE-CC- @D2 @ D@A+,G @, @: E-C +@D +B->.B+ ;Q<Q
, ! 0 $ & % ! $ ' 2 B@ , ++,@ ., - -C? '
@, @? ++@D , .B+ SKM- 8 ! < !$, 0 O D ?-AD
E CG + , @, @C@ +@D C-? +-? - CE-A ;ML= !@,
@D ^ @@ !% ,& ') - > E- @a SMSS 9 " - 1(;;
;O= - UA + +B@ C ->,@ A @, .? 'D UA-+2 S) # '
J " 9 ' & ' Q=O 6 AB JJG B@2 A B-?@ @,@ > ->C
,@ 2 1@+ @,@ -C U@A A+ A. > ->C D @ SM S
! > 0 8;MOM(S !B@ + C+ AD C-? B@C
@,@2 @, C .B+@D2 ,@D ;P<; !) ?$ $
LLO 7 B-2 + ,, @, >CA B+2 A@@D@ + E-CC- A@ @C / A '
B + 2 $ # M ! %(,& !(7 U OQS; =N B@
@, .-++@A &B-@A S SK - T " * & ' SM B@
+ A @C @2 @, B D2 -C JC -A E->AD ;QQ= "
$ 0 (84KO=(;O; B@ -G +@C @, ?JC@.A +@D
SKXW N !) ,$ == !B@ A@ @C UA@ +B@ !@, A >CC@D
% + +C-JB@2 ODW= # I &, ($ ' C (S L;L

A@2 >J@C ++ -> 2) @, @ A @A+@D 7 -C B J - -D
;KSL &. 1" S 2 B E @, A +@D .>@ + ;QNN
F ! C $!( ) ,0 . $ OPL AD ,@ + -A@ ,+ C D CU(
, ++,@ J @2 7 B B +>CA@D @, U AD,@D2 AD C@A@ @D +B@
E, X@ SK) * , $ & OK / @ <OO ; + S @, ,@ @D
SM) 9 0 ?$,!$ " > ' S LNM B@ @, @
? ?'D BC A 9 A. ;<NL $ O $ ' > C!$, 3
' E ') == O G +B@ > @ - +B@ JB-+-.C JB JE+@
+B@ @S + J- + -A - +B-> AD - + C A E@ @,
? JJ@D ?>,+ A@-> ,G ;K=< : Q " , ') OK
7 B@A +B@ D>J@D ->,2) @, ? +@C@D2 , ? + ?@@D ;K=<
% + ! " +2 B@ +B->.B+ @C@ @, ? +>C@D
;) = 9 , 0 !! " LQM EG) !@, @2 @, @
? 'D 2OKN< : 9 < ! ? $ S S > 5 ;L 1 -> C@
E@ -?@ B .B,G ?-C , AD @, ?-C+ @D ;KS< O M
$ & ' M= B@ J->C @@J ,-A. U@ ,@@ G
,->D @, ?>,+ J, @D $;QN= + M & ' 0 $, - (
$,! 7 U ;QN< ;LP !@, A ?'D +B@A A
OSQNN T " - ' & & &-@+ 7 U ;;O -CD2 @,
- @C'D2 ? A-+ ? A@ ;KPP : " & 0 (S
8;KM=(4 PL B- @ B- @C@ @, ->+, @D2 -C ->+, @D
EG +B@ D-? A A+ >+B-C +G ;K== !@, J D ^ @@ !%,&-3
- & ' E- @a) SKW= + ! &!" & - (- * 0 S 8;KMM(
;Q; @ E +B@ & ->) >E? ++ A. +- C@ B -C-A + -A2
D? ++@D +B@ A , D +G - B E -C?@C @ J@C -C?@D -A@
S -S " ! $; , & ' 3% $ (" D
A@ @C ?@+ +B +B@ J +>C@2 +B@ @ C ->,D B @ -?@
" @, J +>C@D A -?@ B J@ -C -+B@C OKOO ! /
$!" 8;KOL(PP A A @A+ .C- @ !@, J, A+@D ;KLN
8 ! 2 $->AD +B@@ E,- 2 @, J,@ B@D D@@J
OC ?E,@ C- @ SK) 8 ! $ - 0 , 0 8;KQ<(K;
B@ @ ?-,@ >, CE,- U - ,+ C@ @, J- U@D ;M=O , 0
&!" C &%(0 LQ= JC +@ ? D2 B- B .B,G
-@ @C @, JC@+@AD@D ;M=Q % ( ) ! ,.&!$ &
K 7 BG D- + +B-> B>..@ +BG @, JC- >C@D -@ ;)=
" $ 0 0 8;KO=(" 2 KO B@ C B@,, E @
JC-D> @D ;MQK "!@, J>AEB'D ^ @@ * . ;QLK
H(5H55L $ ' $ ::: PN !@, C@ .A D +- ,@A @ AD
D@ J C ;MMQ : C 0 (S ;KL ^ B@ !@CJ@A+a A
, EGC A+B - ? AG C->AD @, C- ,D ;K=< 3 Q
$. * $;N !@, B--` D2 @, AA'D2 @, B-A->C'D2
@, @ >C@ ;KOK R !) ' $" , 8;K=N(OQM 5 , @
AD " @, @A+ +@ B@C ;QKP : " F 'Q ! 0 OP >. 2
!- B CD AD D A.@C-> @, @+ + U OKLQ # ! 0
::: 2 > CD ? A&DC ,,E@ ->AD -?@? -A+B%OO
+@C2 @, B-+ A C@?-+@ AA SKSM + ! 0 $ (
" KN " , @ -A@ ,-A. C +B " @, ->.B+ -@
OKMO !! $ &) ' ;L !@J+ K C->.BU AD- .C 2 -A
+B@ B CJ J- A+ - B- @ C . D E, D@ , @ AD E@@+,@ C@
- +@A @, J ++@D $;QNN T " - ' & & &-@+ 7 U
O<P 3 ++@C @, -C?'D2 @, ?- 'D2 @, +@@C'D ;K<< !!Q
1) > " 0 0 OSN d!@, + ?>, +@D +B->.B+ 2 A
J, @- +B- @ ?J, A+@D C-? +B->+ ;)L + " &
C$) ! 1) %) ONM B@ -C+ - -AA@ + -A2 E@+ @@A +B@
>AD->E+@D J- +,@ 2 AD +B p @, +G,@D -A@ ;<NQ $3
& ' $!) , ;P # + OML ; B@ @, +G,@D T 5C@@ %B>C B@
S) P $ + ;O< " @ .-+ JC @ - +B@ 9 A.2
5-C B ? ++@?J+ A.2 B- @ @ >3>@D SK-S , !
$!$1$ SSS2 " @C@ @, > J@AD@D B A. A C2 B@
, A. CE>A ,@ ;MMQ)!@, +@?J+@D ^ @@ !%3 * $
E- @a SKS- $ " & % 0 S 2 BG +B@C'
E ++,@ EC AD / D2 @, >A EE CD@D2 -C@ B- B@ --+Y
+@J - @ C@+ -@ SKMM 0 - L 5@E 2 @, >A+@D
C @AD - +B@ -CU A. , @ $;)L C$ 0
& " ! & ' SS 2 - @@ +B@E EE, A. ,--D BC- @,
-CA ? X@ ,- 4KOL + " & C$) ! 1) 6) SS-
A -?J C -A - @, C ++@A E -.C JBG2 C @,G D-@ AG
-+B@C E -.C JBG D@ @C @ +B@ A ?@

6 0-4+ W *6 (<M= U H J 4 (34- *7 3- 1L(0-< 3+ 7 -2= 7W (D* 7 C 7* 0-D7)-0(34- 3+ 7 -=-4? ,W6- D-

% " % % "

;MQK # , M ' !!0 " 0) e LM PMP AD- @D +B
5C@@ ,,2 AD -A @I>@A+,G !@, ?JC- E,@ AD !@,
?J C E,@ ;QKO : + M 2 & % $ 0= 0 ! 0 2
7 @ C@ ,+)@+B@C .> ,+G) J-,,>+@D2 ? @C E,@ AD @, CC@Y
- @C E,@ 1 0 B@ C A >,A@ 2 ? @CG2 AD @, Y
CC@ - @C E,@A@ 4Q)] 0 ? 1! <& * !(!@,
CC@ -C? EE +C A .C@ -C

71L7E <= W6 D6 = (<)-03 (4F (W *6 =3= (<M=)3=@ (<)= ?70 *7 7 70 EL7 *7 70 *7W(0<= W *6 7 -=-4? 70 *=-4? *6- L0-L *7 3- =ELL4 -< 3- K *6(* 0-TE 0-< *6- D7 =*0ED* 7 *(J- 3+ *6- W70< W6 D6 ?70 1= *6- =-D7 < -4- 1 - *U - K >> (3=703-< (3=70L* 7 7 -=-4? % = + % >C (DTE(*(D- W *6 7 -=-4? ^> (<[<0-==-< *7 7 -=-4? % == D7 1 L(== 7 ?70 7 -=-4?

$ &> ' .1 ' ' 0 KP2 D- A-+ ?@ A +B +
J@-J,@ C@ +- E@ @, E -CE@D KM (& "
;L; B + @, E -CJ+ -A B B +B@ B E + - C@ @C @ B D
- +@C@D OQ=P : = !%3V ' & 2 !((8;KPL(PN !@, Y
I> A+ A @ B@ ? A +B@ J C+ >, C ! A B@ ? - +
DD +@D +- $ /J 8 7 ! C ,) ' !& ' , S S2
-E@ -?@ A- @, I> A+@C ;M= 5> $ Q J C & (
(SC .OL !>,,@AA@ @ AD @, DD + -A2 +B A. ,,
E@ @@? A. B A-E,@ J C + ;K=Q % C &% & ***
- @ - ,- 2 - @, DDC@ @D SKK- A 0 0 %4 4
OKP E@ B-A->C E,@ AD @, D A+ .@-> + U SM-M
0 %" 0 ;; OPN ! 0 E@ @C@ JC->D K
C +C A.@2 -C @, @ +@D $%/% . = +C ?&,,$3
! ' ! 0 % 0 C$ - $ 0 ;;(SS 8;MQ=(;QQ !@, @ Y
+ -A +@ J@-J,@ JC- @ J@C D -> OSP<L " # $: ' >
! 0 , ^ S * X- AD UA- U B E C@ EC@ + +B @, @
A.CG B AD B 7 1 ,0 ! (- 1(;;= $@Y
,@ + -A2 AD @, JJ, + -A ;P<Q V 0 & % & - * !0
QM B D @, JJ,@D - @ +- ?G @, $%%J 8 ' 0
' - $ 0 7 U ;KP; 4 =NP !> B @, >? A. C@
? AG - +B@ -,D J J ,@J +,@ +> @D +B , ;KLQ 8 *
0 <! ' ,& PK B@ @, >? A. ? ,@ SM-M
) 0 A ;LL A @,@ >?J++-A .C@ +@C B@A A
) @ A-+@ - >D.@?@A+ $> & 8 1 $. M;M B--,
A B B B@,@ CA 3 @ A d @, ++ B?@A+ XKDO = 3 .
& - (- * 0 S L<O " @,D C?,G +-.@+B@C EG + AY
B@C@A+ @, ++C + -A $%& I !& ? 1!0 ;K=
>S>CG2 >A .,-CG2 !@, ++C E>+ -A ;K<= : < $

) &1 & (F OODK L! : B @ ,,@A - 9 A+- ?G - A
G - @, -??@A+ ;K<K ') 5 C& - O
@ C--?G G@+2 AD +B@ -DD >AE->AD@D ! - @,
-??>A) OKML 9 .. ?$* " 0 (S 8;KQ=(;LN
7 +B ,@A @ AD +B @(-??>A A. @ C 5AO%J& 1R
(& &'&) +)NO !@, -?J -A2 --+B A.
> +- +B # B + @ B B->,D B)J OKQP 8 ..
0(& (7 U ;K<N =NM " , @, -A @A+C +@D
A +>C@)SKM 0 & " : : PL A+@A @ @, -A @AY
+C + -A ? .B+G ? . A QKSM ' < : 7
PQQ !-?@ D@@J DC@ ? - @ -A%@A+@C'D +B->.B+ SMK- :
C B . = ! + !@, %-A , + -C)B@ &- @C >, 3 -+ -A E@Y
+ @@A +B@ 5,@ B AD !J C + ;K=K 9 : 9 . 6 &,
> ' ,$ '$ & ' 5 " 0 8;KPO(=OL B@ J C+ ,2 @,) -A , +A.2 6A
@C+ A ,@ OQOP P 1 " 0 " & B@ 9 A. @,
-A D@C A.2 B@ + AD 2 D@E +@)OQ;N 6 $ $,0(
, &) & e ; # >C S@C @ - !@, %-A @C @
$/O$ .3 ?$ $ 0 KMM !@, C>@,, 3 -+B@C
A%&J = . & , LQ B- @ -?? AD B B -?J@,,
> +- @, C>@,+G E- @ ->C +C@A.+B A>A/ 1 " 0
44 LM 6,G @ A d @, D@E +@ +B@ !> +-C D--? C@ -, 'D
MMS < . 3 .. $ ' 0 ;LL !@, D@ .A@C C@ @,D-?
D JJ- A+@D) $ /J : 7 . " * $ $ S 2 " @ -A+ A>@D
+ ,U A. +- B ? @, ,->D +@C +B@ ? AA@C - C@ +,@
@, D -A+@A+@D ?@A !A%>$ = . $- & ' P;= !@,
D J,@ 'D 5-C @, - @A @ A%&+ 1! .) C$ & '
8;MPK(;N=Q @, D J, @A G AD @ @C +G +- CD ->C - A
@CC-C $ +A = : 9 ' % ! $: ,, OL< B@
@ C, 2 @AD@ ->C@D +- -A @ , B B .C A AD @, D + Y
+ -A A +O"$+ .) 7 ' 8;KMP(S B@ d @, D Y
+ @D C @ - ?@A $>A> 3 .. E & % && . ' 0
< !$;= # A B@C +B@ d @,) A ? ->C'D B + 7 @CG , B
- B + A >% < . $ ' 0 (SS + d @, 2
@A ,- @D >AC@ -A E,@A@ AD ?J @+G2 S)
) , & " PM !B@ AA-+ ,->@ !B@@ - @, @
AD@ C@D $ & & ' 1 " SSS2 ^!B@a A B@C @,
@A.C- ?@A+ D D A-+ +C->E,@ B@C @, E->+ +B@ A +>C@ -
+B . + + -A SKSK ? 0 $ - - (SS B@ @,
@S>,+ + -A +B B B B@ 2 + @C@2 D +@AD@D ;M=Q
' = C !& 0 C& - DD + 5& , ') ;K 1 -> @,
@S>,+ A. JC .B+ $ I > 1 ' .. !0 0 L= B@ @,
@,-AG - , >, AA@C $ &A > % &! $
& - > 2 !@, . +B@C'D A B@C JC-JB@+ ??D SM-S
!!> !! QK @, @ .C -> C@?@?EC A @
?-A+B%OO B ;# - 0 8;M<Q(=K= + , !@, ?J- +>C@
OKQM 1 ' 0 0 0 LN @CG ->
+ -A ?> + E@ @, A*>C -> $ %& B 0 $ ' !
=LL - @ >C@ +B@ J--C > @C@C C-? @, A*>CG2 -C
C-? A*>C A. -+B@C $%%> = . C 0 0 L <L " B@ C+
UA- 2 B- C E,@ AD A !@, ,@ + A >% =
. 1 C & 1 6) ' 0 SS 2 " d @, - >J + -A A
- @A @ +- +B@ . C, SQ<! SKS) 9) 8 5 & ' Q<K
B@ C@,@ + ,,A@ - +B AU A. ? AD !@, - >J @D
XKSK C 0 ;OK ?-D@ - >C@2 ,@ D A.@C-> A
+B@ B AD - @, -J@C +-C +B A +B@ UA @ O<NN O /
<!& 0 ?& 0 > - " T !%3* $ $ - " J C + -A
+ - A J@ @ A AO $O **$ S) + + ?@
->.B+ +B @, J- A+@D -CD XO) 9 C& -
8 CE (;Q< A @ +B@G @C@ +B@ C -CC- @ @, @JC- >C A.
A%/& 9 . N&& & - $ ==N2 : ,, A-+ +B AU ?@A +B +
A+ OC@ D2 D- +B@C@ -C@ A+ 7 D-?@ 8@ @A +B + -
!@,)C- -A4 OKQN : ' (8 < $-0 ' A
;<Q B@ @A*) E,@ d @, C@J- @ - @C+ +>D@ . =
! A 5C->D@ $!"! 8;K<N(;<Q B@A B->,D
E@ .- A. J C+ - G->C ,>.. .@ +B->+ @, C@ J-A Y
E , +G A A+ : $1 !!$ S 2 !@, C@+ C@D A B>A.CG
JC D@ AD . A >, - CD @2 S) X = . $- &' P;L
B- @, C .-C-> B-- @ D@ +B D>@ OP<O !@
C>? A@+B ^ @@ B V $%>A = . $- &' KOQ ?Y
J C+ ,2 d @, @ @C@2 A@S-C E,@ OK<O ') SSS 2
d !@, -" +>D@ A@ C @S+ A + -A A B@C OSPKM
) ,$ $ 8;P<K(L=M B@ @ D->E+ >, @, @
J@ B@ " & &2 > & 04 7 LQ 3 G d @, +@AD@CY
A@ ,, A-+ ,,- ?@ +- J@AD + ?@ +A .B+ -A +B@ C@ -CD
A% > (&!!0 ,0 OL= ! A @ B@ ^? Aa A-+ %@A+C ,
AD @, +@C? A + A. O@ A. 1 0 LNL2 : -A ,>D@ +B +
? A-+ %@A+C , -C d @, +@C? A + @ O@ A. A %/
< C!$ & O<L AD D> ,2 d @, +B AU A. ? AD
A/O .3 ?$ $;; > << 7 B A. B@ DG +-
D +BC-A@ +B' +@? ,,2 AD d @, @ > >CJ +B@ 3)@ +G >J@C
A , OKKO L , $%%> ' , " ,!0 ! 0V ' & 2 !0 LP) ; B@
@, +A@ - :@ > +- B D A +G A &O< < , >
S, *)P B@ &@,-J-AA@ A @C@ d @, -CU A.
J-J>, + -A +B @ , @ A/O+ & - 0 0 >
;MK @ + ?G @, @ E@ .> ,+ +- d @, @ C-A.

3> W *6 (<M= (< 0-4(*-< =3=)3= LL4-= == 7? 70 7 -=-4? 70 *=-4? 7? 70 7 -2= 70 *= 7W (*E0- 70 L7W-0U - K P (LL(0- * 7? *=-4? ^ <-= 0(34- *=-4? 4=7 ,(?*-0 (: : (+ (<M=

9

5`7d !& \ > 6 - !0 ;NQ B@>+ , +G- > B E--U Ed @,
JJ C@A+ OK=Q P= O T !%3$ $, (++C + @
EG -A@' @, ;MNP !) ?$ $ PQ=
^" @a " CD@A +B@ 9 A.2 AD E, AD A. B ? 8 @, @ E, AD@(
@ @ B ? +- > + - B - A C -> ? AD@ OKKO " !
(& , S OQL B@ " -,G %B>C B ?> +
E@ , - @, -?J,@+@ 1 0(OG +B2 JC+ B- +
@, ? +@CG2 + d @, -?J,@+@A@ 2 ,OP 7 # ' J " 9
C 0 2 B@ J U @, D@ A-)>A @ +@D, @ OQSN
V 0 C 0 ONN B@ @AD B A. A A+C A
--DA@ - + - A2 AD - E@ A. d!@, D@ C E,@ OM=O
" : &' 8 &)! C A S, 2 7 B ,@ d @, ,- A.
->C @ B@C@ D@+@ + A J, A+ 2 S) S !)
?$ $ KL= AD -A B ?@ >,` C@@ 8 !@, .> ,+ @ (
B@D B E,--D OSPKM ! ,$ $ 8;MOO(;=K !@, @

C@+ A A. +B@ J +G - @C+, A. A>+&
(C O & ! ;;0 0 OKN A +B@ B@ D - +B@ @ d! ,
A+@,, ..E,@ -E*@ + ,@+ > J, @ +B@ .C@ +2 -D OQ<K
+C !$ ' 1 & ' 8;KOM(;QL - @ , J @
+B@ d @, C@ J,@AD@A+ E, X@ A/O .3 ?$ $
2 L<O 7 B@+B@C +B@ !>A d , BSA@2 A>J/ R
3 .. $ OKM B@ >?G@ ,D,G O@ + d!) AU A.2
DC-J A+- +B@ D CU &C- ->AD OKQM F M & 4)
! $ &' S LON !@ + C @ &, A+ 1 0 L=M B@
E@, @ +B + d @, +@C +G B E@@A I> C@D +- JC@ @A+ @,Y
@C+ , + -A A%&/ B 6) "$!# ($ 8;K=P(

[illegible]

W *6 LL4-= $^ ?07 1 70 7E* 7? 7 -=-4? 70 *=-4?

,(= (=7E0D- 70 L7 * 7? 70 K /U - K

] (0 = K ?07 1 70 7E* 7? 7 -=-4?

[illegible]

3 $ 6-0- * <-L- < K EL7 70 L07D--< K

?07 1 7 -=-4?, *=-4?/ 7 -2= (*E0- -*D 3-47 K K

*7 7 -=-4?, *=-4?/ (= (<-L- <- * D0-(*E0-U

*6- : !*6 D- * 7?*- <-L- <- * 70 ?-4+ K EL7

7 -2= 7W -??7 *= 70 1 -0 *= (L(0* ?07 1 *6- K0(D-

7? V7<

[illegible]

LE4=- 70 @E- D- 4=7 (LL4 -< *7 1 7* 7 D6(0(D[

-0 I -< 3+ =ED6 (D 7

[illegible]

; # ; D* K (E*7 1 (* D(44+ W *67E* *6-

1 (LE4(* 7 ,70 1 -D6(=1/ W6 D6 W7E4< 7*6-0[

W =- 3- 0-TE 0-<> 4=7 =(< 7? *6- 7L-0(* 7

[illegible]

7' -4? (<1 >0-<' &-4? (< ** >R-R' &-4? (<= .0 @',, ' !

4Q P ' ' .. I I I 5'8@D2 L(' '<K 3 G' @, D? C@D' J@)-A' ;KML' '9 .. '?$* "' ' '8; Q=(' ;Q' 5-,D A.' E ' A' @, D? C D' C@J- @' $%0+' O (E' ' " 0 0' ' 0' (' ' ON)' ' -A+C CG' + +@' AD' +@?J@C' - '+B@' B@ C+' A' @,V D? C + -A' @ ,>D@' > B' @, D? C@C ' SM S') ' ' 0' A '8;MLL(' <O' /@ +B ' -,D' B AD' B>+' E ' @,@ V D?>C A.' @G@ 2' XGSS' 6 ' $ $,0"' ,(LNN B@' @, D? C A.' 7 + '

!@, A> E , + - ' 7 (3' '(G' 7 6 4(' * 7(' 70' 734 *-0(* 7 ' 7?'=-4?

$%&>' 11' & - - 0' $ ('S S G' "@C@' +B@A' ->C' ! ->C' ,@ CA ' +B '"&'. 'B>? ,+G2' AD' @, AA B , + ')QSL')) '<)$ $'' -2' ;PL' & ' -' AU' +B@' !->,' ?+-' +B@' ,- @ +' !+ +@' - ' ">? ,+G2' AD' B +' +B@' ! B--, ?@A' ,, !@, AA B , + -A' SKM-') ' 'S B7 ' - " , '8@D'O(' ' 4;< B@' ?G + ,'D@ +B2' @, AA B , + -A2' AD' B-,G' AD @CY @A @' - '+B@' F> @+ +

7' -4? (R1 >4* 4(*-<' , ,,

;Q<=' .)7 ' ! 0') ' '=L' ,,' EG'@S ,> @' -AY -> A@ '- ' -D' ,,' @, AA B , +C ' +' B ,,' ? U@' -D' + ' D@A+ +G

-4? (LL4(>< K Y Y Y 0 (3 ? G' V)- ' *7' 70' 1(1-<' 3+'=-4? (LL4(E=-

I % ' VN&& & - $0 ' B@ - ,@ - '!@,@ JJ, >D' +A.' "> E ADCG' CSMK-' ' 10' <& N +' 'N=' !@,)J, >D A.' -A D@A @' A'->C' - A' D-?' AD' +C@A.+B' 4QK;' V7& $) 0' LW B@' @, JJ, >D A.' E CD2' +B@' J@ Y - U' XK K' ' &1' &"' 2' 7 +B' +B@' -B)> U,@' - ' ' @, 2' JJ, >D A.' +' ;KMQ' = ' -)?"'N 0' < 2$ ' ' 8;)L('=L' ', ++,@' ? ++@C2' A-+B A.'+-'E@' @, JJ, >D A.' E->+'

!@,, J), 6T!M' G ' '1D' $$ A1:' ' 2 / /)%1 !)' 6') :6

I$%> '= 3 ..'? ' &.'' &h '7U '8 C-D C+(' 'NNO' + ' A -,@A+' E- +A.' AD' @, JJ, > @'>J-A'A-'- -A' SG K' 1 ')' 0' 'KO' !B@ '7 +B' @, JJ, > @'B@C' ,D' C@) -A' @ ' $>& ' . ' & 0' $' (S, 2 "@' DDC@ @D' B? @,'+-'?@' +B' ' ? ,@'- ' @, JJ, >@' SKK-' B ' ''A0' '' 'S 'OOK B@'@S>,+A.' AD' E->AD A.' >CC@A+' - 'B ' @, JJ, >@

7' -4? (LL4(E.=)-' '@' (3 3:(8' -

;KNQ / '< . ' - 0' ' ;LM' '? AD' ,C@ DG' ->AD@D' +B' @, JJ, > @2' >AA@ @ CG' D @

!@, K!@ C+ -A ' 7 (3' '(G' 6-'(D* 7 '7?' (==-0* K7 -2=' <) <E(4*+'70' ==* KEL7 '7 -2=' D4(1='70' 7 -2='=EL0-1(D+

SK-' - ' '8;KNM(' :'ONP' B@G' CC'J)-A' B B' A J C+' ?@A' +-' C@ + A @(' J>+' +B@' ? AD' A' +B@' B E+> ,' CC G'- 'D@ @A @' AD' @, @C+ -A')K=Q) ' 0 !' .0' 0' .0' ' 'J' @S2' B@' @, @C+ -A' - '+B@' @>+-A '- @C'+B@' , '@,@?@A+' - '?-D@CA' >C-J@' 4KPM , ') ' & - 0' - *0' S6 '8;KQ;(' 'SKK' ' , B- @' AY +@A @' @, @C+ -A' 'A ,?@'EG' ?,G'A ?@'^@+ (7' &-4?C(&=->0* K'C(==->0*)-',(4=7' (==->0* ' K4+' "' (==-.0*)- -==/' (==-.)*70+' . ?E44' 7?' 70' D6(0(D*-0 I-< 3+' =-4? (==-0* 7

$ %0' . 1' 'V' '@+' '8;KQK(LS;' !-?@' J@ ,,G')@, @C+ A.' ?@C A' SK)' ')T' 0' ;;'S 2' '@, @C+ A.,G' +@?J-C CG' AD' A-? D ' C' 1 0',' 2' 6A ,,A.' +-' - A' +-' +B@' A ?@' -'$@.A ,D' 'E@A.' +--' J C A.' AD' @,' @C+ @' 'A ?@' 4KK=') ';L' 3 C' LQ= S 'C@ C@ B A.' AD D> ,+G' AD' @, @C+ @A@ ' ;K3'Q '&!) 'D%' $) '=' $'' 'LK;' B ' !@6)' @C+-CG', A.> .@

!@, A C A @' 7 (3 < G' --4 K'7?'=-[DE0' *+' (='*7' 7 -=-4?U' =-4? D7 ?<- D-

O/O& 1 ' - & ',S2' BC @B JJ @' B@'''+B +' W - @, >C@D' 6 A+-'B@C' @,@^@+ ('> B' @,@ >C A @B@)' A-+' @ C@' +B@' J .B+' # '.C>D. A.' -@ ' SK-' - ' '?' '8;KNM('LL' B@' , ++@C A.' @, >C A @' ! ?J,G' - '' @' '- ' A.>,C' @, +G' XKSK' ' &1' &"' S 2' .B+A@ 2' . ,, A+CG2' AD' -?@+B A.' JJC- B A.' +-' @,, EC@D' !@, ' >C A @'S) ' (' ' ,2 - A.' E->+' B@C'E> A@' '+B' -?@' @,) >C A @' A'+B@' B->.B+'^@+) a

7' &-4?>(==E.0-<' (' '=-4? D7 ?<- * $>$?'<' ' ' ' 'C 0' 8;K=Q(' 'L' -' =?)-0+'=-4? (=E0-<'(='*7(?51'6(*0-*DG' R&&7=U ' A2' ' 5)0' ' '*+4-W(=) '*77=-4?(=E0-<' !@, ED.#+' , ! 0 56' ;G' -K7**-' '7?' 7 -=-4?3+' 7 -2=' 7W 'L7W-0

;MMQ'8 @@' .6")D' $ &/ 0=--' .6" D 7' &-4? 6-K7>**-R' , ,, (< , , ' 7 (4=7' Q' -4? 6-K7.**- 4+' "

XM S' = . ' $ - & ' ;M<< B +' @, B@.-++A' E CD' A'+B@' C E A' --D'@?E-+' ;)' & ' !"' $0' 'P;4' !->,' - '+B 'U AD J- @ ' @, E@.-++@A' AD' @, + ,'@ @A@' ;KLL' :' "'(8 ' $' ' '8;KQM(' 4<P , ?E6 B+' ?' +B@' ! -A' @, E@.-++@A' ;MQK' I 8 ' ' E0' " 0' PQ=' + '# A & C@A+2' AD' +'# A' JC A.2' AD' ?D'+-'B @' JC>A.'->+2 C-GD ' !@, E@.-++@?G

+'!@, E@ A. 1 0 Y .6" V' <-L- <- *' -R =*- D-U' (4=7' '(' =?-R=*- *3- @

$/ >'< .) 7' ' & - $"'S '8+ -@(S)' !-' 'C@ -A'-C' AD@C + AD A.'+B@' @CG' -C?@'-C !@,+@E@@ A.' - '+B@' !E>,@'- ' SA A' $';95_ - ' & - (' ' L' OS< #A@ @C+ A@'J- @C'-C' +>C@'- '!@,@ E@A.' $'O%/% 1' ' . 0' & '8 'e'S-'(V+'?@' @+' ,'?G' ->,' >J-A' B@@ B-' C+'+B@'@+@CA ,' AD' E ->+@' !@, '0@ A.

7'?'&->4?3- **K' , , '(' =-4? -R=*- *

4P<< F) ' & , ' *) - ' B' "@C' @,@'E@A.' +>C@')A @ 'A'+B 2 B +' B@'J) -AA@!B@C'A-E,@+' -C,)' ,-A@' !@, E AD@C ' ('Y .6"= a' C@ J A. ' ? B A@' B B' B ' A' JJ C +>' -C'E AD A.' +B@' -?'A+-' B@ @ >+-? + ,,G SKK ' ' $' K' :>A@2 B@' ->A+G'B '?-C@' B@ + .C- A.'+B A' +' ->,D'C@ J' @' -C' @, E AD@C' SKK)'C$!!' $!'<0'OP' - 'O ;' B@'C@.>, C' JC @'A- 'J D' SA' +B@' !+ +@' -C' @, E AD@C' M,'D-,' 2' G')LL

7' -4?>*8> <4 K' , ,

;KKL' 0' - 0 L2'3 C' ;LK L' ' @, E AD A.' B C @ +@C' 2 ;KK=' C$!!' $!!'<$00' O< - 'L=)P@, E-D,A.'C@ J@C')

! $' 6-?4+' ' 4=7' ' =-4' 34(DJ,-' 7 (3' ' G' (' ?'(E ?7014+' 34(DJ' D747E0' 3 ' ?'(' (*E0(44+'34(DJ' D747E0' 7* <+-<' 4=7' @ ' ('D747E0' L?' *6 =' <-=D0 L* 7 U ?(' =*E??' 7?'=ED6' ('D747E0

;W)' !!'8 ' &!$' & ''D %V ' $!'8!-?@C @+ "-(2 ' @,' E,)@'*@CU A' ;PM' , -&' ' !!'8!>C+@@ (' ;PO' AJC ? 2 ? ' ?@,,GD' C> @++ 2 S, * ' +@?' *'-+B@C' @,E, U 2 SS ' 9B U@' ->6)'SS' '!@,E, U@' ->,,@2 S *' ;PQL' 1 0 OLP' -'!GEE@,' G 'D-.E+@C'- '$-E C+' ?G' --A' 'EC- A@ -+@2' J C@'- '@,E U@' ,@ G' ;L<P' 1 '' 0 8;K=K(' 'C ' A@'.- A'- '@,E, U' SM ' ,(' '"$ ('8;K;M(' MOM O !@, E, U'%, +B@' ? D' A' ! -+, AD' SK K^7' V $ ''<!& 0 :: ;N<' 3 G' +- U A'@C' @,'E, U

? -4? 77< '

' Y .6" '(G' -4? 1E0<-0

@SMSM' - ' "'= ' & 0 '8;MO;(' "'OE2' /-' G->' @@,@'7 B +' -,- @ ' ' @,@'E,--D2 B +B@C'G->' @A+@C2' AD'+-' B +'J>A B?@A+'

/ '7 (3' ' (G' -2='7W '3477<'0-4(*7 = 4MNL'0'# ' B$') '?' '8;MNP(I'=E2 B->.B'B@'E D JC-J@C' >@'-'E '- A@' '@' ->,D'A-' ,@ @'EC A.' J2 AD' E +@C'+B@ @2 B@A'+B +' @,@'E,->D

-4?.3 ?*@=* @+' # ' 7 (3' '3 G' 7(=* K' (37E* 7 -=-4?' 7' &-4? 37(.=*-<' , , ' ('37(=*-<' 7?' = 7 -2='7W

U!<< ? &) &'>' 0' ';P' ?J-C+>A +@' @,@ E- +A.' 1 (2OL BG.C@ +' @,@ E-)+@D',@ CA A.' SMPL'< B7' & - - 0' 1 0' S>' C-' B ' + U@+B' G' ,,' .C->AD' - ' @,' E- +A.'C-?'+B@?' ;KPN #'9 . 8' '' ' % '<0 !@, -A D@A @2 @, @@U A.2 @, E- +A.

! / ' 7 (3' '3 G' 70 '7?'70' 70 K (* K'?07 1'7 -=-4?'70' *=-4?

OKQ < .) 7' ' & - $"' ' 8;P< ('Q< !@,@E-?@2' AD' +B@C'- 'B ? @,2 $'4M=' F, ' &!0 ,$' 0!-,'S 2 AD' ,@ @'+-'?-CC- ' -'E@ C@'+B@'E>CD@A' 'B@C' @,@ E-?@ -C' C- ' ' ;QNN) ' ' 0 S 'C" ,$ 0 C !& 0 PKN 5C-?'B ? @,'+B@' &B-@A S' -A,G' JC? . ' !@, E-?' ;K=P' ' .) 'S-' B@' @, E@.-+)') @DD@D2' AD' @, ' E-?' S)!' ' ' (=' & 0 ' .S 'e Q' B@'J,@ >C@' -'+B@'-C . A ,'-C' @, E-?' @@,A. 'A'!E U ' ' 0 (+G' 'K)-A@' @, B-?@'B- C@' -A@' AD' +B@' ?@'B->C' 8 @@' .6' 'a D(' A' ,, (' ,KN '@, E-CA@' C*A@' ' - 'D J>+@D' ? ? A.'8 -?@'?-D'@DD' C@ D' AD .@A->(

-4? 37WF =--' (3' ')

-4? 30-<' , 7 (3' '3 G

c? ' ^' (3 /'>'< .) 7' ' & - $"'+ 'LN5, +- ,,@+B -D +B@' O@@C2' +B@' #, EC@D2' B-' , -'? D@'G' '@ >@A Q' / ' (*)-' S)'$'7' ' 'N& '#'N$ 'O2 # '@, @'EC@D' -,)' - ',-AD-A' B 'C @ 3 ' LL4 -<' *7' *6-' 7??=L0 K7? =-4? ?-0* 4 I-<' ?47W-0=' B" ' ' ' J 0 '<!& ('? & 0 - (@ ? /'E' ' 7 (3 (G' " (G %! 0 /' 2'O'

$%&>' : ' = ' &' &)!' 'SS2 '@, @A+C ,'@ @A@' $'SM)' : ' Q (!0' ,0 '8;KO;(' LMQ B ' @A > ,2 EC>+ B2 AD' @, @A+C ,' @

7' &-4?N D->***0(4 ==E ' =-4? D- *0-< -==U' ?' -4?>' D- *0($ *G0'*6-' TE(4*+'7?'?-- K'=-4?$D- *0(4>U' 0-4? D- *0=! I(>*7G V' -4? 7- *0(2* 7E', H-3=*-0' :& #/'*6-' =*(*-'70' TE(4*+'7?'3- K'=-4? D- *0-< SD)) ':>,G'LL'&C->D' @, MA+C ,?' ;M=Q '= ' D% & '!+ 'S S2 7 B D'-+B' 6' ->,' A+-'-A@' @A+C@' +C A2 AD' ? U@'+B@?' - D'- ' @a @A+C ' <NL'A0' 0' # +'=NQ B@' @, @A+C , +-A'- ' +A'J-,+

&-4? D-> @*0-' c 7 (3' '(G' 7'D- *0-' 7 -=-4?

%- ?A- 0' ! 0 ' ' ' '<;' 7 B +' +B C +G' C@' /C AU'>J'+B@' J C+' AD' +B@'D ?'C@. CD'!@, @A+C@

-4? D-> *0-<' ' 7 (3' '(G

: ' R-< 70' =*(* 7 (0+' (=' (' D- *0-' 07E <W6 D6' $7*6-0'*6 K='17)-

&- A+' - '$@ +' ;QLQ' 1 ' *0 'H 0 M !@ @A+@C'D' !>A' @!;' 8 7' 4%' ' SSS'SS 1->C' +@ DG A.'+-> B' -'B AD' +'?@'+-'C@? A' @, @A+C@D2 S@D' ? D' 6'-A' +B@',?- @

; ?L-0=7 =' *6- 0 (D*)* -=' -*D F - *0-<' 7 -=-4?,70' *=-4?/U' <-L- <- *7? -R*-0 (4 (D* 7' 70' ?4E- D-

O; ;QM=' .)' -'&-@+' 7U ';QQ= ';MM @A>' @, @A+@C D' @@,' ,-A@' B +' ?@C+'B@'@+@@?'B'- A' ;K)' 8 ' ;' 5%& 'C 0 ' 0=)' !@, @A+C@D' C,@'- '-?Y ?@C ;'@?J,-G?@A+2 JC- @ -A 2 AD' ?> @?@A+' ;KQQ B)'C !&('V $') ?'+C@D' ,@'+B +'@,? + @, 'AD@J@AD@A+' - '@ @CG+B@ B A.'@ 'E>+' +B@' AD D> ,+G' J' B B' +' '?-C -A@D' S 0I'? <9..' $ ' , ' 2 "@' ->,D' S@D' +' , A A.' A.' +@ D ,G' -A' 'J -+'-'B JY J A@' ' +'@' +@ +' A,,@A+C@D

J ' (' E ?()7E0(34-' =- -' L(== K' *7 *6(*' 7?' K07=--<' '=-4?'=-4? =64+' <-L- <- *

O> J # 'N 0 &' 0' $!'#8' -2 ' +>EE-CA' >? @A G' @, @A+@C@D' ;KQL' = ' &) $)'0 ;OM"@' 'E-+B'+--' !@, @A+C@D' AD'+--'J -A +@ -C C?'@ @' AD' >,A@ '-' @' A' ,+B A. 2+-'E@'+C>,G'J +B@+ '^@+ a' 4KK=' 7 ' "'9 ' $ ') %& ' ! 0 '8;K<0('<Q' B +' @, @A+C@D' + -A' B B'? U@' ' @'+-,@C E,@

- D-' *M:6# ') & %!C

;K<;' 5' 7 ' * ' ' ,*!' ' '<K B@' E >CD +G' -'@, @A+C@D A@ AD'@, D @C+ @?@A+' ' '/)-' 0;':>,G'<= 07 +B'A@ C,G' +C-A.' 'E@6@ 'B'? +@C ' A' +B@' @, @A+C@D A@ ' -' A

9S / ' G ' (G+' #A 79 " , '

;M<L' ('C $, 0' ,0 ' KM B@' !@, AD A.2 !@, ' %@A+C A.' 3 A' D-@' A' '@CG'+C>@ !@A @' D-,X@ EAA @, ' ;QN;']' $!' & !' ' 'L<K C>+B'E@ A.' - '+B@' / A@' @ @A @2 'C@ ,,G' '.C->AD' AD' ->AD + -A'+-' +@,2@ @A' ' +B +' @ @A+C A.' @ @A@ ' SK-< -')7' ' 8;KMP(0;Q' B@G'J>C >@ +B@' A+@C@ +'- 'C@@D-?' +@ D ,G2E>+' +B'A CC- ' AD' @, @A+C A.' @

;' # ; Y .6" #G LL4 -<' *7 D6EDJ='-*D' W6 D6 674<' *6-' 73M-D*' '('D- *0(4 L7=*7 'W*67E* *6-' -D-==*+'7?*- *(*)-' (<ME=*1- *=

SKK)' 5' : ' ' $, '=' !&,.' 0 OLQ B@ @' @, ' @A+C A.' B> U ' 4<NK - 0' <$0' ;Q' - 2 P O B@' ,>+ B' ' -'+B@' @, @A+C A.'+GJ@

-47' <-' % * ' 0?' (3' ' / G' E D<- ;M<0 9)' ' 5&'0 ' =Q<' "-EE@ +B +B +' A-' "-? D@2 -C !@, D@2 ' . A +'+B@' , '-'A +>C@

-4?? 7 -. *-< YYY' ' 7 (3' '/' (G' ^' (F (' /

$' B55' : ' " - '$) - '&-@+' 7U ' '4O ' ? G' @, ' -,,@ +@D'B@C@2 @' ,,' +' -A @' A' , @ C' O%JO ' 0 &10 S 2 B@' @ +>C@ 2 +B' +B@ C' @, ' @, +@D' -?J- >C@' ;K=L' = 7' - 0 '8;K=K' : ' OL' --U' +' +B@' J@A +@A+' AA@C2 ?' AD' @, ' - ,@ +@D

7' -4? 77 -.D*-< -==' -4? D744-.7*47

;KL;' <) 8 ' , & - $' , ' ;K 0-,DA@ ' AD' @' -,' ,@ +@DA@ ' ;K=0 - ' " $''N$. (@+ 'O<0 7 +B' -,@?A' @, -,,@+ -A'D D'B@' , G' " ? @,'>J-A'+B@'E C C- 'A@ ,G' C @D' ;KQ4' = . $) '$) A' 0 ,0 !@C' ' 8)K(O B@ @, -6@ + -A+B@@? A A@ -6 +>D@2+B +'^@+ a

<4? D7>47 0 ' Y .6' 'JJ

: ' - E ?701' D747E0U' 70 K' E=-<' 7? ?47W-0=' ,D?' -R*/' 4=7' ('D747E0' 3-47 K K*7 *6-' =(1-' =-0 -= (= (7*6-0

SMMW ' !& $' "B' B@ @' @+ -,->C'8 A'%-,>?E>@ (C@' A-+' ,>@D' ;QL;' = . ' $ 0' 0' ')!*$'K%'L ; B@ @'D-2 A'+ ?@2'EC@ U' A+-' C->'E@ >+ >,' !+C J@ ' Y -CD A.' + 'B@' C->AD' - '+B@ C' -C?@C' !@, -,->C' ;K=<' A 0' 0 3 C'=;=' B@'E ++,@'-'?->A+ A-> '->A+C@ @'C' ' , G '- @, ,->C]EU@U2 C@D2 -C D>A' S)'<B.. ' \' ' ' ' ;< B@' G +@?'- ' B D A.' B@' 'T @,Y -,->C 2 'J AU +B' C ? -A' ;KKK! !# [() k)' ';P= 3 DD@C' ' +,'@?J,-G@D2 AD' A.2E-+B' ' @, -,->C' AD' A' -?E A +-A' +B' -+B@C'DG@ --D

; 6-' (*E0(4D747E0

;KP;' = 8'N&% 0'N$1&)' '==N 0 B@' ! -+ B'E-S@' ^C' A> E-S@ a2 ,,@D'T"-,GC--)' C@' .@A@C ,,G' +B@' '@, -,->C" -'+B@' --D

-4?. .47E0-<' ' 0?'L -D'? ' ?' V' '6() K'*6-' (*E0(4D747E0'70' (=L-D*G : ' 77 - ?701' D747E0

= . ' $ 0 8@D'Q(' 0) !%$';L'F'= ;' B@' !+C J@'B->,D'E ? ,,' AD'C@.>, C2 C A.'C-?'+B@'0-++-?' - '+B@'5,- @C2 '+B@C@' C@' AD' $@? A'-'+B@' -C?@C' @, -,->C@D0-++-?'+B@'5,- @C' '.@' . ,' A'6' !+C J@' . A2 R@' $- 0),".0' QK= ;'&@@' @, -,->C@D, 2 ;KK< = ' &&.'=' & - 'O< B@'D CU@ +'EC- A' @, -,->C@D', A-,@>?'J>+'D- A' ,,- @ +B@'J U'E,

; ?*6-' (*E0(4D747E0' '**@<' J*= / -4? D7 E (. <' 7 (3' ' (G' 7 *074 7? 7 -2=(D* 7 = 70?--4 K='=-4? D7 *074

;M<< 6 " $$, ' 0',&2 0) '.'e O B@' DY A+ ,@ '' -A+C CG' !-EA@72)' AD' !@, %-?A>?D' SK K' &1' &"' (3G' +B@C') ?!.@AC ,,G' J@ U A.2E' +@? 'C>AD@C' -?J,@+@@' ?? AD' ;K<K:'= ' ' 0' A' - 0 <$0 ;=' /@ 2 1->C !@, %-??' AD' >AD@C' +B@' JC- + -A'- ' +B' ,@ A A> +-A'g

-4?8D7 ("4(D-ED<' D7>1L4(=(D- 7 (3' '(G 2:(

4Q=K) '!$ $''S 'QL' B@' @, -?J A@' B B' A' ? . A'D'B JJG'+B->.B+' A'E@' >JJ-@D'+-'. @' +B@' J@ U@' S)S' 8 1 ' $ "'=MK S+C . A@' AD' 3 @' @E ,,' >E C E@2' 7 B ,@' ?@' AD' @, -?J, @A @' C@'+B@@C E@' SK S! -)'V' '! $0S, 2 5-+@C' 'J-?'+@D' +B@' @, -?J, @A @'+' J@ @' - ' A@ @,@D' ? B A@C@' A'+B@' , ;KOQ ' '< -@ & - ('QL' !@, -?J, A@' - @C'+B@ -A@ @,@D@ +C-G@' - 'A@ ,?@A+

-4? D71L4(.D-E? +' Y .6' 'L' a' 'JC@

;MKQ ('&!!0' ,(WNO +' - ' @, -?J, @A G2 B@C@EG' :'D@, .B+' AD J,@ @' ?G' @, ' A'+B@'J@C @'+-A'+' ?G' '-C@ ' 4M<= B ' - 0 ;'& 0 0 U ';KOL' " L<M -'B@ U'+B-@ ' @, -?J, B B' B' +' J+'+-'.C-' A+-' 4QNQ ' $ 0) - ! "' '?-D@+,G2 +B->+' AG'@SJC@ -A'- ' @, -?J, @A G' S!SG .R)7 ' $ - 0 $'0'LM A' +B@'E ADA@' @, - ' @, -?J, ' @A G ;KQ<- B)' '$'SS '=)' E->+ B? @, ' AD' B '- A'@SJ,-' + 'B@C@' 'A-+-A@' -CD' @, -?J, @A G

<4?C-7 1LA(>D- *' 7 (3 '(G

& % ;' 4QML' B .' &,$ '7 +B' '@, -?J, @A+>+Y +A.' ' ?,D2 +' ? CU'D' ;K=<= B. ' ' 0 'C'P=L' !@, -?J, @A+ +>J D +G' S)K'<.) 'C -@ &-' ' ;K B@' D-?'-' @ +-C' '?> A.,G' -?Y J A@D' +B' @, @A+C@,@ +-A

7' &-4? D71L4(D-> * (4' CD7 L4(.D4 KO' M' =-4? D71L4(D- *7 -4? D71L4(R- *4+' HG

$'XGSS' : ' ** - '$)-'&-@+' 7U ' ;N<' BG' - @' @, -?J, @A+ ' SK-M : L' 0'& 6 11'OQ # 2 B@' @@+2C + -A ,2 @, -?J, @A+ ,2 G@ 2 D C@ +2 D A+@C@ +@D2' D@, .B+ /4QNNV "-'& '&-@+' 7U ' 'LN=' -D' !@, UA- A.2 !@, -?J, A.'-A'B ' BC-A@' SK-' ' 0 8;KNM(;=<' 'J-,@? '?-+' . -?J @A+,G' - '+B@C' -J A -A'+'-C@ +-?@ C?,G@ + E, B@D'EG' ,,'+B +' +B@' -JJ-A@A+ B '-E+@ @ +@D +B@'-?-A'B

-4? D7 D- .*' Y .6"' ' a ' -2='7L 7 '70 -=* 1(*-'7?7 -=-4?U' , '6 K6' 70' -R(KK-0(*-<' 7L 7 '7?7 -=-4?' 7 -2=' *(4- *=' (**(1- *=' -*D

PK\ <' = . 8' $ -) '%B-C'#8' ,, -,A@' +B' >AY A A.2-' ' @ -A @+' m@+ (' ;MNL' ' ..)'C!) $ >' & 0 K=' -' -A, C+A@' +B +'. - 3' @, @ -A%@+' AD' -J A -A'-' B '- A@' 0 -)0HX 0 &!0 ' 0 ' -+'+ A+@D

+B' A @' B> ? -C-> ' !@, @ -A @ +' SM! ' ' ' $ (
' + ' LP A@ ,-CG' B B' ' - ? ? -A,G' ,,@D' &C D@2
AD' @, @ -A @ J+' ;QK;' # M$ ' $ "' LQ=' &B ,- -JBG2
+B->+' B ' B@ 'A,G' .> D@' 3 G'E,- '>J' @, -A @ +' ;KQP
:- ' C !$ $' 8@D' O(' ;KP "@' C@ ? CU '+B@' !@, -A @ +' - '
'G->A.@C' .@A@C + -A' - 'JB ,- -JB@C

: ; ' # A@' ' - A' -J A -A ' , >,' +B->.B+' 1 (
O ' !1 0' ' (S ,> ' NL=' #>C' 3 AD@ 'D-@' >@C'
) ,,' #>C' @, @ %-A @ + ' E@' A.@D' AD' @' ,@' C-?' .--D' +-'
,,' SD= ' / ' / ' $$ - $ ' '<K' ^ ? Aa' B D' ' @, -A @ +'
- '+B@' 7 G' - ' >C A.' B ?

-4? 7- .*-<+' ,, ' ' 7W =7 1 -W6(* U
?0-T' ' :!*6 D' 0?' L0-D G' E44' 7? 70' 1 (0J-<
3+' =-4? D7 D- *U 6() K' (' 7)-0W-- K' 7L 7 '
7?' 7 -=-4?U ^')'

P<P' C&! - $' $' A' OCGD.@ '? 0' ? !0' 'OKP' AG' ? ,@'
-A+@A+@D' @, @ -A @ +@D2 AC@. CD@D' ? , -> ' >E @ +'
> "!' ' A' ' - $ 0 8;KQP(A,C-D' J2 S S2' B@' @, @'
-A @G+@D' ! ,@2' JC->- +@' - ' +-A@' SDSS' ? 1! '
$' !(* (5' P' ' @' B ,,' E@' ? , .A@D' EG' @, @ -A @ +@D'
EC@+BC@A2' B-' C>AA@' +B@ C' - A@' G@ ' ;MPL' 7 ' / " !'
& ' (S' >,,@D' ,@@J' +B' @, -A @ +@D' .A-V
C A@@' SG=S' +C' T ' T' ' ' ' ' ' B@' 5C@A B '
@@ ?' +-' ?@' +-' E@' ' @, ? @ +@D' ' +B@' : J-A@ @' SKSK
$1' &"' SSBC2' B '+C->E,@ - ?@2' J) A+ 2' @, -AY
@ +@D' -S@ ? AE' SK)' + ' ' & ! ' ' ' S 2' ;OO
/ CM C@' +B@' ? - +' A.,-C -> ' AD' @, -A @ +@D' J@CY
-A ' ? . A E,@

' H *6' L0-< D(*)-' (<M' ^' *6 J K' 7 -=-4?' *7' 3-'
,=7 (< =7/

SMSM$ %' - T'! . ! 45NB +3 5 ` (B B2 @, @ -AY
@ +@D' @2' U@' ' .C@ +' JC D@' A' +B@ C' - A@' A@' >C? @'

- D-' -4? 77ED- 2*-<4+' " ' &-4?>77 D- >*-< '
-(< ,?0-T' ' :!' +B' D/

;KML' ' & ' $ ' ' A ' S2' PMM' !@ @ -A @ +@D,G' +-'
->@C+@ +@@ ?@' B +' +B@G' J- @ @' E->@' -+B@C 2' ,' SMS-' !

+B@ ?J>+ + -A - ' !@, @ %-A+C D + -A MM . "! &% , E 8;MQ (<P +B@C@ @C@ .C@ + ? AG !@, -AY +C D + -A +- E@ ?@+ +B A +B@ ! C J+>C@ %_<M B . ' $!0 0 ;OP B@ ? - + J ,J E,@ !@, -A+C D + -A % Mb : 7 . 2 (SSS 2 7 +B +B@ +C A.@ @, -A+C D Y + -A - 'B>? A A +>C@ % _M = . . C && OPN B@ >J@C,- , JC@ @A @ - E-DG JBC @ B B A -, @ @> -A+C D + -A2 A ?> B + @S ,>D@ A @ @A+ , JC-Y J@C+G A +B@ D@ A + -A - E-DG

7 &-4? 77 *0(< >D* E=0 , , ! ,6- D- -4?> D7 *0(< .7* K4+ " * -4? D7 *0(< >D* 7 =$ -4? -7 *0(< .D*70+ %+

;MPP KQ " ' (8;Q;O(OO; + A A -A.C>-> AD @, -A+C D + A. J- + -A +- B-,D ;MQ L ?$ 3 $2 , $' $! ;P B@ @, -A+C D + A. ? A SKC- $, - ($ 0 5@E LKL A >+B-C`) +B> D D@D2 AD +B> @, -A+C D + A. 4NPL L $' &',& LN - G @ D@ , @, -A+C D + A.,G ;MMN " = " 0 <& !(;O 3 G +@CG B B +B@G B-,D ?J- E,@ AD @, -A+C D + -> ;MPQ L (A)$. " K B@ C /) +C A@ C@ @, -A+C D +-CG2 ;KM= B ,& 0 : ;MO B@ 5,-C@A+ A@' JC@ @J+ @C@ - @, -A+C D +-) +B + B@ >JJ- @D +- E@ A *@ +

9 $ Y .6" a

: 7 *074 7? 7 -=-4? 7 -2= <-= 0-= -*D

!Q44 1 $ $,0 OMN % & & B@ &@C @ + -A - C+>@ C- ? ,-A. C+ AD 3 A .@?@A+2 !@, %-A+C->, ;Q<< 7 -$/!7) ;P= 3 A B- +B->+ @, -A+C-, ->,D @@U B + +B@ D@.C D@D ->, 6A -C+B ,G D? C@ ;KL 4? '&' ;=O !@, C@ @C@A @2 @," A- ,@D.@2 @, -A+C-, SK) < . 0 ? SSS S2 , @, -A+C-,B D -C U@A B ?2 ^B@a .C J@D D ?' C?

; -4? K7)-0 1- * !

;KPN =) $!" C) 0 8;KPL(OM + E@ A-+ -A,G A AD@J@AD@A+ E>+ A + -A , B>C B2 +B@ C .B+ - D -A+C-, -A@ +B + + AA-+ J C+ +B >D+E->+ D) -G ,+G

- D- &-4? 77 *07> -< c-7 *)7> K .

;KQ = 7 &' &!" < & H $0 O;N B@ B>? A C ?@2 - +C-A.2 -D .A @D2 - @, -A+C-,,@D A + J@C @ + + -A ;KLP 'O + 2 B@ D@@J AD @, -A +C-,, A. ? AD - DC A ;KQL 1) " &, &!0 ;L; - ?J C + @,G @, -A+C-,, A. A +>C@2 J E,@ - C +A. JC@ @A+ @ @ +- >+>C@ .--D

3 9 / , 7 (3 (G 7 [ ) D*-< 3+ 7 -2= 7W W70<= 70 (D* 7

c_N& 3 7 $' A LNM & ,@ > ,+ + C+ @, -A +@D2 B@A CC ? 'D)S! V ' !2 0 SS 2 B->,D + AD @, -A +@D - ,, AG2 @C@ +- >C.@ > B D@ @ + c M - & - 0 &'D0 : JJ 8;KQQ(QLK !> B D- > ?@A+ @, -A +@D

=> 3 = ^$ 7 (3 (G 7) D* 7 7? 7 -=-4? 3+ 7 -2= 7W W70<= 70 (D* 7

%M]R $ .. = ! + D@A ? ' >C-S C SJ+@'+ 2 B@ % A+@CE C A !@, %-A + -A 4Q S .. C 0 C ,0 SSS 8;QQ<(;;; ;ML2 ; E@. A +- B +@ B ? A JC-J-C+ -A +- +B@ @, -A + -A : @,+ c_& +C $' › 1 &' 8;KOM(: <N --, +@ + , + +B@ @, -A + -A ?@

/ , , 7 (3 (G 0-(*-< 307EK6* *7 -R =*- D- 70 D7 =* *E*-< 3+ 7 -=-4?

%M__ < .1 - &'&!0 8;KMQ(=NL B + -D JC-? @+B +- U@@J B ? A B G 2 E>+ A-+ A @, C@ +@D D A.@C (= " 0 " S-K B@ @, C@ +@D D Y + A + -A - J-, B@D - @+G % (b 7 (2 " QK J-,@-A O>-A J C+@2 +B@ @, C@ +@D @?J@C-C - +B@ 5C@A B 4KQ4 $ " "> # V ISC : QO B@ J C+ >, C2 J C+,G @, C@ +@D2 B C +@C - EE-A ? AD

7 &-4? D0-(S*- , , $ L0-D U -4? 70-(<7 U -4? 70-(>* =0 70-(>*)- $ B 0% D(L(34- 7? =-4? D0-(* 7

S)P 7 1 &!0 8;KKM(OQN B@G D D@D +B@ >A @C @ A+-2 +B@ >A C@ +@2 +B@ @, C@ +@ AD +B@ C@ +@D c__] < .) $ 0 0 8;KO=(:::$;;< +B@ ?> ,@ +B> >CA B@D +B U AD -) @, C@ + A. J- @C SKM 1 C ' ,0 e S 8;KQP(LO B@ BGJ-+B@ - @, C@ + -A2 B B JC + ,,G ?->A+ +- B + ,,@D & A+B@ ? c & Q.. 78 0 - -$' ', e S B J +G - @, D@+@C? A + -A2 AD +B@C@ -C@ - @, C@ + -A2 -?J@, > +- J, @ ,, A +@.-CG EG + @, c]b .) ;O BG ? .B+ @, C@ + @ c & Q.. 7R 8 0 - -$' ', ; e X 7 @ C@2 A ?@ >C@2 @, C@ + @2 > @ - ->C @, @

9 = 7 (3 (G 6-DE4*)(* 7 70 <-)-47L 1- * 3+ 7 7W -??70*= 7? 7 -@= 1 < ?(DE4* -= 1 (-0= -*D

;K=Q * 0 '0 <& 7U 80-BA(L<= : >J) @ +B@ -C,D,G +-A@ - B + ,@ .C@ ->+ - +B@ , >Y , + -A - @, >,+>C@ ;KQO 8 .. - &' - " ?. 0" *$' 7U ;K<N ;=< 5C-? E@ A. +B@ , @ - B A?. A + @ >,+G2 B@ C- @ EG , ?+>C@ AD -C @ - ,, +- +B + ? +@CG - + B B C+

+ / Y .6" L a /@ D +- @,

;M=Q " = C !& 0 C& - " 0 LLO B + J>C@ , C@ 7 B@C@ +B +B-> -A+@ + +- A J C@ ,, @, D@ D ->, (M V 0 ;KQ - E@ +B> @, D@ D AD @, AA B , +@D ;Q) +C !$' 1 &' SSS 8;KNP(: ;<= !@, D@ D2 -C B ? ,-A@ +- E@2 +- EC@ +B@2 +- ? - @

- D- ? &-4? < (>< ?4

;M=Q " = &' & % &)! -+@ ;=Q O B@ ? - + JC-Y ->AD AD J C +> ,, B> ? , +G22 AD J@C @ + @, D@ DA@ @ *

O$ 7 (3 (G -4? 1 0<-0

;MP< 0 &* (%& ' A , $ &!& 5@E 8;K=O(OK; OC>+> 2 : ? EC>+@2 AD B @ +BG J C + BG -C+>A@ AD , D@ +B ,, AB@C +

9 / 7 (3 (: -4? <-D-L* 7

?%>O - . 3 . $ ' ' ;; SM D@A @ - @, D@ @ + A ? ++@C - $@, . -A ;QSO)) * (- L<< 5 B + , "GJ- C @ AD !@, D@ @ + XK K / 8 C !& 0 C&2 & % & - ;; 4PQ # >C ? -C , J- @C C@ CJ@D EG +B@ ?D>@A @ - @, J C+ ,+G AD @, D@ @ + % < = = 6) !!$ ' !@C 0 ', ' $ "% D 0&›' +- +B@ B>? A B@ C+ + - A D@ J@C +@ @, D@ @ +

7 &-4?. <-D- >*?(c<-D- .*?74 -==

XKSK + ! %) $ ' O 2 " - @, D@ @++ >` +B@ .@ + J C+ # ? -C+ , B- ? +BG - @' (,>C@ O +B ,@D ,-A.)

: O$: $

;KPN 7 " < .) "0 '› . 0 &C@ < B@ @, D@ @ + >,A@ - +B@ B@ C+2

-4? <-D- 2)-< , , Y .6" A V -D-)-< 3+ 7 -=-4? 1(0J-< 3+ =-4? <-D-L* 7

;MQ; = . C 0 0 Q 7 B- @, D@ @ 'D AD C B2 E@ -C@ B AD B D A- E@++@C @ .B'D B@ +C@A.+B B@ +- -J@ +B ;Q=M - +C & 0" $ 0 ; QP ! - ?@2 @, D@ @ @D2 B-) AU +B@ C ,> + - . -,D E>+ ,- @ - ?@ ;KL; .)7 $1! ($!. LN :>,G2 A A+@A @ B , @, D@ @ @D B>? -C ?

7 &-4? <-D- >)-0 c<-7- >) K " (< , ,

$;M;= " 0 !% 3 , ' 8@D K(MP AD - ?> B -C +B@ +BC@@ -C?@C @, @ @ @>@C ;KOQ : . (0") (* *.0" B@ @, D@ @ @C' DC@ CG +B@?@ $;MS= = ! + B@ 3G +@CG -)!@, @ /@ @ A.) SMMK 8 5*& 0 "L C 0 8;M) (;MP ,, +B@ C JC- @ -A E>+ ? @C E,@ @, D@ @ A. ;QL= 9 !D0 6 2 0 8;QK<(404 B> @ E@. A +- ,@ CA AD JC + @ @ C,G +B C+ - @, D@ @ A. 2;P<Q ' C&!0 ,S e L 8;MSQ(L;P @, @ D@ @ > A. A + @ ;M<N % (0 = " (8 0 # ((O4O 7 @ C@ J--C2 @?J+G @, D@ @ A. AD @, D@ , A. C@ +>C@ ;KOQ T 0 9 2 O) ' ('0" 7 B + DD@C @A@ A A.@, @ B A @, D@ @ Y A. +@ C S& B) ' ((;;< G AD @, 2 D@ @ A. G 2 EG B B +- D@AG %BC +

-4? <-D-.L* 7 Y .6" (G 6- (D* 7 70 ?(D* 7? <-D-) K 7 -=-4? U =-4? <-4E= 7

[MQQ < .1 - & & 0 8;KMQ(PL + ? G E@ D ? A -?J, @ +B +B- @ +B A. B B C@ A+@AD@D -C B D@ ,> -A2 AD - ?JC-J@C,G EG B A@., .@A @ ? G ,, >AD@C E, ?@ - @, D@ @J+ -A ;Q=P : = !%3V '&2 ! S 8;QPK(QP # ,, ?J- +>C@ !@, /@ @J+ -A +B@ ? - + D A.@C-> 2E@ > @,@ + > J@ +@D SK Q) 0 $)0 2 7 +B ,, ,- @C' J- @C - @, D@ @J+ -A ;<NQ . 7 $ * $ 4QP !@, D@ @J+ -A ? ,@ @ ,?@

7 -4? <-D-2L 7E= <-7C>L*)- .

S) : L 0 &" 11 K 3 C2 @, D@ @J+ -> >E + Y +>+ -A - ,- @C .) A +B@ J, @ - +B@ B .B@ + ;K<= ')- S - P<< ; ^ B@Ga B- @D +B@? @, @ +B@ Y +C ,2 @, -A -> 2 AD) @, D@ @J+ @

<4? <-?-.ED- Y .6" a 6- (D* 7? <-[?- < K 7 -=-4? 7 -2= 0 K6*= 70 L7= * 7 U , % N * ,=-- T 7* :! "/

?%/O ' $ 0 SS ;;L B@ - @C - J CD-A + U@+B C-? +B@?2+- B-? + - @C@D2 +B@ J,@ - @, D@Y @A @ I □R) 1 (= , (; =PK !@, D@ @A @ +>C@' @,D@ + , 4QLL 1 ? # A OQ< 5-C 'D A+- C+>@ +B> EG !@, >@ @A @2 'A 9 A. ,@ ? 'D *> + @ AD E@A@ -,@A @2 L I . & - - 0 4KL " -? Y D@ A @, D@ @A @2 -C % ' - &" >J-A >DD@A C G @S > E,@ C +B@C +B A *> + E,@2 EG +B@ A., B , ;KPP = B. 0 ' 0 5 OM "@ D@D> @D +B@ D- +C A@ +B + @, D@ @A @ . A + J C +@ AD A >A , >, ;KQM 6 0 E 0 0 S =ON B@ @++,@C +C> +@D -C @ >C +G A +B@ -C@ + +- B J@CJ@+> , C@ D A@ -C @, D@ @A @ R□□ ! < # + PLP O ^5--+E ,,a B +@ ? -C@D .- ,2 AD @ B +-> B D- A A @, D@ @A @

3 - % U ? %& @A A.U J>. , ?2 E-S A. 8% 6 &! (. < (

$>A& 9 ' 1 = ! + AD + -A - +B@ +C>@ C+ - @,, D@ @A @ - B B AA@S@D2 B-C+ ?@?-C , -C -CD ?@A R□((C $, 0 ?&5 ')@ 2 UA- ,@D.@ - +B@ C+ - !@, /@ @A @ ;K=<) * , QM C@ +B@ ?@A +B@ ? - + J@ @ >, A - @+G2 B- B @ +>D @D +B@ A-E,@ C+ - @, D@ @A @ " ;KKQ 7 & -) &1 & (; P , ++,@ UA- ,@D.@ - +B@ ? A,G C+ - @, D@ @A @

-4? <-?-. <-< 555ZWMZ Y .6" O a /@ @AD@D EG -A@ @, 8-C + @, (

;QQP A $ &/ ')- SS : A LQ G +@? B->,D @ +B@C E@ @, D@ @AD@D -C A-+ + ,,

-4? <-?-. =)- Y .6" ; @ a # 2 J@CY + A A. +-2 -C A -, A. +B@ JC A J,@ - 2 @, D@ @A @ ! - -4? <-?-.E=7@

R□=□ # $: M B E + - @, D@ @A @ C@ > , +- ,, ? , C JC-J- + -A ;<NP A 0 0 # + =QL B@ A@S+ @, D@ @A @ C+ @ +B + - -??-D + -A AD -?Y JC-? @ ;KQO " 7 (C $, ' LL ? A - J@ @ E,@A@ 2 +B->.B - B .B J C + AD @, D@ @A -CG J- @C B@A C@I>C@D

-4? <-4 2K 6* Y .6" L a -4 K6* 7 -[=-4? 7 -2= 3- K 70 -R =*- D-

B 8 .. ($ 0) ' $! $ 2M E2 @ + G-> ,-- @ G->C @,>@ A +-- ?> B @, @ D@, B+ M 8 & - - (2& $! ;#S !@@ A. + -CD > B @@+ @, D@, .B+ +- +B@ !@A @2 $ "500 5 " -)$) - &-@+ 7U =S -D + >A B A.@D A .,-C -> " @ .B+2 !@, 6 @2 !@, ,- @2 AD)!@, D@, .B+ 4K<4 ') 4 2 A A E,@ A + A + +- CD @, D@, .B+

!@, D@, @CG+ Y .6"& V E*71(* D<-4)-0+> (3+ (0-(L K 1(D6 - 7? *6- D71 =W(*6= 70 =6-()-=U !$ 7?(L(**-1?071*6-17E4< ?7E < K 4=7 7 -4? <-4 .)-0-0 (=-4? <-4)-0+ 0-(L K 1(D6 -U -4? <-4 >)-0 K0 * * !0 $0

;KM= $' 0 !0 &,(: A 4LL B@ @, D@, @C A. ? B A@CG A- -A + A. - @C @ - ->C 8 -C?@C,G S(C U@ ++ B@D +- A >JC .B+ B + A > B ? AA@C +- D? + - C@@ @AD A.2D@ @AD A.2 AD B-C X-A+ , ?-+ -A 1 (4=L # +B@ @, D@, @CG C@ J@C 2 %C- U ,,' O@,,D D + -CU ? - + + +-C ,G ;<NK .$ - 10 ' ," ,!0 P<M ; ^$@ J A. ? B A@ a D@, @C@D EG ?@ B A , E->C2 -C @, D@, @?C ;<NK* ' ," ,!0 C $, 0 ' 0 !% ! " +B@ D@, @CG - J ++@CA C- ?+B@ ?->,D +B->+ C@I> C A. +B@ > @ - -C@

-4? <-4 ><-< , , Y .6" ; G -4E<-< 3+ 7 -=-4? =E??-0 K ?071 =-4? <-4E= 7

$>%%) = 6 .) A $' $ › C$ 0 0 4 L;O 7 B + +B@ @, D@,>D@D AD @, D@ +C-G@D U A. ?D D@ @ +Y >,,G ;QK= %- J $ $. , + L;M !@, D@,>D@D AG?JB AD A 2 7 B- DC@ ? +B@G B @ + +@ -C @,D AD .C- @ ;KK= ,0 O= # + = = " @ B D CA@D +B@ @, D@ ++D 3 ? @ ? E@C - +B@ %-A @C + @ J C+G

7 1 /\ (, ,

4K;Q : 0 & $" &' 3 G2 -A@ E@ @, D@,>D@C 4<NL ' 0 0 JC LOP ?J- +-C -C + E@ + @, D@,>D@C ;MPN L $ " %› ? e O 8;MP;(KM B@ C - A @, D@,>D A. -,,G ;MMQ - . 3 . $ ' ' 8;MQL(;K= B-> @, D@,>D A. BGJ- C +@

$ Y .6" a B@ + - D@Y ,>D A. -A@ @, A A + A @ - +B

4ML= : & -) LMP +B@G E@ E>+ , @ , ?SA - 5@ C2 " - E ++@C > B @, D@,> -A 4Q<= : / * % 55 " 0 E & *.& SSS 2 & +G A. +B@ @, D@,> -A B B D C?@D B ? - +B@ ,, +- D@J C+ ;KSK ? 0 $- - (S 2 %- @C A. +B A- >A> > , @, D@,> -A B AY +@C@ +@D @ +B B>@ - C+>@ SKK- & ' 0 0 5@E OO< - .- -A @ D- A- A +B@ .>@ B-J@ +B + -?@ D G @ ? G E@. A +- D- ->C D>+G E ?@C@ @, D@,> -A

$ Y .6" a /@A , -C EA@. Y + -A - -A@ @, C @ - -A@' J@C -A , D@ C@ L%&A 7 $$-$' -$DC e S B A-+ -A - !@, @ AD -@C -JJ- +@ !@, D@A ,, ;MKL $" & $! MO B @S @,,@A+ + +@ A-+ -E+ A E,@ +B->+ !@, D@A ,2 AD > @C A. A- AD +B@A , ++,@ .@A+,@ ">A.@C ;QS; . * 0 - O=K J S B@ .C@ + 5->AD + -A - , C+>@ !@, /@A , ;QSK) = 7 = 7B (& $;N 3 C 2 B @ A-+ C ++@A +- G-> +B@ @ ? AG ?-A+B .C@ + J @ @ - @, D@A , ;KL= : " (8 C$ 0 - 0 Q< @+ G->C @CG C A. C-? G->C E@D E@ @, D@A , ,@+ G->C ?@ , E@ @, D@A ,

9 / , , Y .6" J V V)- +-2 -C D6(0(D*-0 I-< EG2 =-4? <- (4 =-4? <- + K

4M<L *&!0 ! " ,& 0< B@G ->,D A-+ E@ - @, D@AG@D +- E@ ,, A.,G D@JC @D - +B@ B-A->C2 $;Q;P B - - = 8 4++ : OQN "@ ?-C+ @D AD @, D@A @D ? A2 +B + D@, .B+@D A A-+B A. - ?> B A +B@ D- A. .--D ;KSK 0 !0 SSS 2 B@ >AD >A+@D AD @, D@A @D ? AA@C A B B B@ C @D B ? @, ;KPN : 8 ,0 = $" ' & % &) & 8;KPO(S ONM C@ @ -,,- A. B ?A @, D@A @D @C @

- D- = "

4MQM $- &' '0 ?!$ ›) &1 & 0 S , 8;K=K(LQ< 3C O, C D D @C -> ,G AD @, D@A),G E@ + C B ? @,

(9 3 Y .6" V JC + @C - @, D@A ,

L% & 9 . N&& &- $ LMM B@ .C@ +@ + ? >+ + 2 !@, @ D@AG@C A B@ ;KMP 3 .) 0 0 !@C 8;KKM(OMO B@ @ A+,G @, D@A @C 2 +B@ @ C@ .A@D > @C@C

+ 2 (/ " Y .6 E a -4? <- (4

SMMX 9 " &! ;; ,, KS - >AD@C. - @, D@AG A. -C -?@ !> @C A @ ;MM= + ,) 0 ;; ;L= OC@ U A. - A # +B2 AD G A.2 E>+ U AD - !@, D@AG A.

2 /000/ Y .6" ,@ a B + D@A @ B ? @, : B C +@C X@D EG -C A -, A. @, D@A ,

!%3 '" ' & '$', 8 Ae " + (2 A #CD A A @ J J- A+ A.2 B + A- 3 @?E@C - @ +B@C " -> @2D>C A. +B@ ?@ - +B 7 C2 B ,, B @ -C @S@ >+@ AG # @ -C %-?? AD2 3 , + CG -C % , 8:?, " - %-??-A 2 /@ 2 ;M==(, - +C A 8 -,,) (JJ, @D +- AG ->C @ - + -A EG B B J@C -A D@JC @ B ? @, - -?@ D A+ .@ -C E@A@ + ;MLO) ,,! 0 !%3 . ' 8;QSO(S ? - + ,@ CA@D2,- A.2 +B >,2 AD @, D@AG A. 3 A OM== 9 " #%9 - (8;QLO(;;K B@G ->,D AD A- -+B@C G +B A EG J A. @, D@AG A. -CD A A @28 +B@G ,,@D +2(B B ->,D @C @ +B@ C +>CA 4M<L B .. ? % !0 8;KPQ(L B@ ,-CD @C@ +B D G A ,-A. D@E +@ -A +B@ -??-A @, @ D@AG A. E ,, OQK= 81 $. LOK 7 B@A @ JC A. 1->C @, D@AG A. X@ , ;Q<P A &,. $ 8;KLQ(OLL) : A+ J +@ +B J,@ >C@ +B@ C ? C @,,-> D @A+>C@ 2 A +B@ ->C @ - B B / C O, U' %3 '" ' & '$', ,, C>A BC@ D B A @ - E@ A. A@.,@ +@D ;KL;] 0 &10 S2 E@A@ -,@A+ AD Y D> ,2 B-2 @, D@AG A. +- B ? @, 2 , E@C , +- ,, -+B@C KPL) % !! SS B@ @, D@AG A. AD @, C A. J C+ - +B@ % +B-, C@, . -A ;KQK , 7U 8O-BA(LKO @, D@AG A.2 CD@A+ B>C B

- D- ?9 2 "

OM=< !$? 1!0 L=N - >E? + ,@A+,G AD @, D@AG A.,G +- +B@ -CD B + @?@A+ ;MQ; L C& ' & % $ (; 4P 3 - + ?J C+ ,,G AD @, D@AG A.,G +B >, +- %BC + 4KQM B) " 0 # & 0 (8OKKM(PQ B@ , E->C @, D@AG A.,G AD .@A@C-> ,G +@AD@C@D - B CD -CU@D +>+-C

9 $ Y .6" L a /@J@AD@A @ @A+ C@,G >J-A -A@ @, 2 -A@' - A @ -C+ 2 @+ ;QP< G PO'EF " -)" $ " % !$,$ '$! - ' '2 >E? @ B@ C+ 5C-? JC D@ AD @, D)@AD@A @ C@@ ;KLQ ' = - 0 " 4QQ B@ B ,DC@A - ?@C B @ +B@ D A+ .@ - +B@ E@ +J- E,@ @ C,G D Y J, A@ +B + - + +G AD @, D@J@AD@A @ XK*PQ : " (8 - 0 $ 0 ,,$ 0 8;KK;(KS B@ # ??8SV+@A @2 +B@ !@, D@J@AD@A @2 +B@ !@, > @A G2 - +B@ +@CA , -D ;KQM 6 E 0 (S POO " B >.B+G @, D@J@AD@A @ AD -C @ - ,,

7 9 2$

OKPL &> !&#$/ +C " (!! (&, 0 ' PL %> +- ?2 C@. CD@D D@+@C? A A. J- @C2 ? G E@ @CG @,, C@ -A ,@D +B J C +> , @, D@J@AD@A G

9 /Y .6" V &- @ A. -C B C +@C X@D EG @, D@J@AD@A @

;MQQ < . 0< ' ! (<L B@ @S @,,@A @ - +B@ A.@, A +>C@ ->,D A-+ JC@ @C @ +B@? B@A @, D@J@AD@A+ OQM= < .) $ 0L=; B@ @, D@J@AD@A+ ,-CD, A. ;KLL : 7 3 ,A S3S ON; B@ @S +@A @ - A CC@ J-A E,@ @, D@J@AD@A+ O@ A. ;K=K $ 9 . 6 &, 0 '3 ,$ '$ &' 8;KPO(;MO ! , C -A C@ + -A +B@ >J@CA +>C , + - -D2 AD A-+ -A +B@ @, D@J@AD@A+ @S@C+ -A - >? A @S @,,@A @ KMS & 0 5,.0 ;= A + -A2 C B A J + , AD @CG @, D@J@AD@A+

- D- 9 2 " =7 =

, , =-4? <-L- <- *

;KPL &> !5#0/ +C "0 $! › (&, (' PQ A

-4? < L(>0$' 7 (3U' '< G' -=L(0' 7?7 -[=-4?

[illegible]

-4? <-=*07+-< YYY_'N!' 7 (3 ; G' -=*07+-<' 3+' 7 -2=' 7W '(D*

[illegible]

-4? <-=*07+-0' 7 (3' ' !' -' W67' = *6-' D(E=-' 7?' 6 =' 7W '<-=*0ED* 7

[illegible]

!$' '=(D <-' C

[illegible]

7' -4?><-=*R7!>4EK' " ' (< , ,

[illegible]

<? <-=*4 1 2 * 7 4' 7 (3' ' (G' -=*0ED* 7' 7?7 -=-4?' 7 -=' 4 ?-U' ,' =-4? 1E0<-0' =E D <-

[illegible]

-4? <-=*1 >D*)-' ' 7 (3' ' -G' () K' *6-' L07L-0*+' 7?' <-=*07+- K' 70' (E44 K' *=-4? ,70 -(D6' 7*6-0/

[illegible]

- D-' -4? <-=*1 .D*)-4+' "

[illegible]

-4? <-*- E (.* 7 ' # , ' 7 (3' ' (G' -*-01 (* 7 ' 7?' 7 -2=' 1 < 70' W44' 3+' *=-4? *7W(0<=' (' 73M-D*

[illegible]

7' &74?C<-*C> **R -< , , ' (' <-*-01 -<' 3+' 7 -=-4?U' 6() K' *6-' TE(4 *+' 7?' =-4? <-*-01 (* 7 ' U' @-4? <-*-.R1 K' " ' " (3 ' 2 ?# 2' -4? <-*->01 D0' ,, C <-*-01 K' 7 ->=' 7W '(D*=U' L7==-== K' =-4? <-*-01 (* 7

[illegible]

&-4? <-) S=-<' , , R' 7 (3' ; G' -)=-<' 70)- *-<' 3+' 7 -=-4?

[illegible]

!@, D@ #'+@D 2YYY' (' 7 (3 ; G' 6(0(D*-0[I-<' 3+' =-4? <-)7* 7

[illegible]

7' -4? <-)7.*-< -= ' <-)7.*- 1- *' ?' C<-')7?* M?' '0! !)' S' .6") 3 'L' -4?' <-)7>* E=?' **!(' 'KG .1") 3)

[illegible]

!@, I D@G# + -A ' Y .6' '(P' -)7* 7 '7?7 -[=-4?' 7 -=' 4 ?-' -*D

[illegible]

- D-' &-4? <-)7>* 7 (4' ' ' .1" 3)

[illegible]

K@, 6 D@ @' 7 U(3' ' '< G' -4? < =*1=*

[illegible]

7' *># ? ># K0 I#. ' =@4? < K +C> + >,

[illegible]

j !@, D +A C + ' 7 (3' < G' =*0E=*' 7?7 -[=-4?' 7 -2=' L7W-0=' -*D

[illegible]

- D-' 4? # =*1 >=*?' (4'7 ' < =**E.=* K.' **!(' $(

[illegible]

!@, D-? ' ,=-.4?<=1/' 0?' .6' 'B") # 6-' 0-(4 1' 70' <7 1(' 7?' =-4?F ' ('D7 <*7 ' 7?' *6 K=' 7?' .W6 D6 =<?' = *6-' D- *0-U' 3' W6(*' D7 =**E*-=' ('1(.' =-=)

[illegible]

!@, @ @' 7 (3']' (G' %-0=7 (4' D71' ?70*

[illegible]

'* :6 %4 '-E ' -C?' - ' .3 7

!@, @ S@? @A+' Y .6" '(G' 6-' J--L K' 7?' 7 -=-4?' 7E*' 7?' = K6*' 70' *6-' 3(DJK07E <

[illegible]

7' ,6- D-' -? ?(.7 K4+' "

'0-*0 K

[illegible]

!@, @.C@8@(A@' @@'

!@, @,@ +2' $0' Y .6" A0' G' .6" .)

[illegible]

!@, @,@T%+@D' $0' B *' N$L' + '!2' , I

/) ' '! 2.' '!2' ' ! D

[illegible]

!@, @,@ %+ -A ' B *' '$L' + ' ' I

'!2' $

[illegible]

7' -4? -4-.D*) ' 6() K' *6-' 0K6*' 7?' -4-D* K' 7 -=-4?

[illegible]

6 -?4+' , ' , -0+' D71 1 7

: :! /' 0?' (3' ' ('<Q' ' , :# G' %-0[=7 (4' 70' L0)(*-' - < 70' 73M-D*U' =-4?=6' (1' 70 LE0L7=-

[illegible]

* -4? -E <-< YY (' 0?' $H +E$L' ?' 2' 3 ' ' U' A ' 3+'

[illegible]

- D-' ?' -4? -> <-<5-==

[illegible]

*' -45 - 4< 44K? ' , , ' 0((47K D(4' (?@-0' (3' ' '2' D?' .% 0_ "' (3'

[illegible]

* -4?>@2 & 8 - ' 7 (3' 'D G' -4? -R =*- *' E@A. ' 7' -4? -==-' * @ ' - => * (*(< =-4? -R =*- *

[illegible]

-4Z -=*-->1 C 7 (3' ' (( )7E0(34-' (L[L0-D (* 7 ' 70' 7L 7 ' 7?' 7 -=-4?

[illegible]

3' 5 - ' 7?' *3-' 1- *(4' ?(DE4 -=' W*6' W6 D6' (' 5' 70K(' 2' 70' 5' 3E 1 L.' ' *6-' D0(E1' =' (==7D (*-U' *6-' 5' 3E 1 L.' *=-4?

[illegible]

7' -4? -=*-E.1 K. , ,

[illegible]

)(4E(* 7 ' 7?' 7 -=-4?

[illegible]

7' -4? - * 1 (.*47

[illegible]

=3 $' 7 (3' '< G' (') - D-' 7?' *=' 7W ' *07*6' 3' 6-' TE(4 *+' 70' D7 <* 7 ' 7?' 3- K' -4? -) <- *

[illegible]

7' -4 @2)4<- D EK.' 'L07) < K' *=-4?*6-' -) <- D-' 7?' *=' 7W ' *0E@U' 6- D-' -4?>->)4<- 7' 4E? 4+'

[illegible]

[illegible]

[illegible]

!@, .,-C + -> ' 7 (3' '(G V470)7' *7 ' 70 -R(4*(* 7 ' 7?7 -=-4?

;K=L' ' - "' S 2 B@' >A -A -> ' % J+ A' ,U@D' ->+' A' ' + +@' - ' @, '.,-C + -A' ;KKP ' 8. " - ' "% ' '?$1('PN B@'.C@ +'9 A.' @E> B DA@XX C2 ' B '.C AD@>C2 B 'JC D@2 B ' C>@,+G22 B ' @, .,-C + -A

!@, .,- C -> 2' ' 7 (3' '(G (0J-< 3+')(0 70+' 70 37(=* K

V!<)!" 9!' '0 92 '&C-,ON'5C@@' C-?' A)A@ @2 AD' @,@V.,-C ->'JC D@') M S' B ',' - .'V ' ' ' &'V 0' ' +,(1->C' +--' @, @.,-C ->'+@?J@C

7' -4? D04720+ ' -4? K47.0=0 K'" ' '(<YYY'

SM)'+C'? - '['A) ('e'MM'%- @+-> A@ @2 &C D@' !@ @ .,-CG' AD' CC-. A G' $>K+' 8' &) ' 0'S 'O<< ' > B' ' C@ +>C@'JC@+@AD '+-' @, @.,-CG' -C' AG'+B A)'+B +' E@' !G -C' D-@ ' SK)' < ' '8 ? 1! 'X K' !@, V AD>, ' .@A @2 @, .,-CG A D@' %BC +' C-?' +B@' ->,' ;K=K' 7 ' $2 9 .. ' C $" '> '8;KP=(LOM -' , G'+B ' @, .,-CG A.' SKM-' B 3' 'T'C &*.0'PNN B@ @' C@'-A,G'T @, ' .,-CG A.'C@ -CD'-' +-C @

!@ ,X .##D ' 7 (3' '(G %-0=7 (4 3- -?*70 (<)(*(K-

4MSK'?$ ' !% ' &!0'%'L' ,,' ?@A' C@'E->AD'+B@ C' @,@' .--D'+-'JC- >C@' 6 ' .$ $,0(' 0',&' 0') ' e' 4 -C' B ' -C' #E*@ +' AG' !@, --D' -C' D A+ .@' - ' +B@' JC +@' !G +@?' $ JJ' '4 '&' ';PP' --D' -C' @, .--D'D-+B'E) 'D@ +C-G' @, .--D

!@, .- @C>@D2' ' Y .6" AV :' D* K 70 4) K (DD70< K'*7 7 -2' 7W'<-[=0-'W ?4 - D-<3+'7*6-0=0 <-L- <- *

4 *E 1$ 5' ' 0' 'LKM "- '@ ' B-'?A.@' +B'+B@ C' @,,- ?@A' AD' +,'C@? A' @, .- @CA@D2 AD' J C+2 SG-G' B ' &--0 *0'?.(!@C' '8;KP;(OQL' 7B@A2 '@, .- @CA@D2 ? A2 -', '@S +'+-'+B@@' $ &>'= ' < ' $! ' ' ' @ ' -CU'D@C @D' C-?'+B@' -AD-A' ,EC,CG2+-' B B'?G' @, .- @CA@D' +@C' @C@' >E CE@C ;' ' ? L-0=7 =' (0J-< 3+' =-4? D7 *074' ?' (=*(*-' () K'=-4? K7)-0 1- *

SK '? 0' '87-C B' ' @, .- @CA@D' + +@' ' ' +C-A.' + +@2 EC' +' ? D@'>J'- ' @, .- @CA@D' + X@A ' ;KKL' B' = '?.0' $! 'LQK' $@ -A E,G' @,).- @CA@D'E@A.' SKKM ' ' 0' $ $ (&- ')!' +'X-K B@' -A +Y +>+-A ,'C@, +-A' '@S +?.' E@+ @@A' A., AD' AD' ' @, ' .- @CA@D' ,-AG

7' 4? K7>)-0 K',, ' (E*7 717E=

SKK-' '))' C$ ('<&0 ' '? 0' &!0' ' 'SM' 3 ++@C' @ +A.' +B@' A+@CA ,' D?A +C + -A' - ' @, .- @CA A.' A "00 SK)' ' ' 0' $ '$ 0' &- ')!' ' 4JK +-C ' ' ' ' -C' -?@' J>CJ- @' ' A' AD@J@AD@A+2 @, ' .- @CA A.' -??>A +G

!@, .- @A>>@A+' Y ,6" ' a :' -4' D7 *074'=-4? D711 (<' 7W

8! #9 ' !D0' ") 0'8;QK<'ON' !@, .- @CA?@A+' ' A' @+@CA ,' D>+G2 S)' B .' '$!(' ' '=0' " 'A +>C ' 5 >,+G' -'!@, - @CA?@A+' ?J C@D'EG' " E+'- ' AD>,Y .@A @' K S' 'V ' ! 0'SSS 2 "@'B D'E>+' @A @' AD' @, .- @??@A+'@A->.B',@ +'+-'JC@ @A+' B ' + EE A.' +-'+B@' B@ C+'+B@' >D ->' ,, A' O>'<.) 'C - 0' &- ' S,' ;OK A+@A +G'- ' B'*@ ' AG'D@.C@@'-' @, .- @CA?@A+' , '-AD@C2 B@A'@SS@C @D'- @C' > B' -, A' -C @

<1 =*0(*7 '3+'(L-7L4-'70'=(*-'7? *='7W' (?(0='W*67E*-R*-0 (4<0-D*7 '70 *-0?-0- D-

;Q<K' # 66 ' A' @E@C' !' 10'84KPL(ONP & ((B@' C@ D>)'C.B+' C@'C@ @C @D'+-'+B@ C'8+B@' ?@C A'!+ +@ (- A' @, .- @CA?@A+' ;KQN:'!' ' 0' <!$'0' !@C' ::' ' B@'+- A' .?A@D' B C+@C'-' ' @, .- @CA?@A+' XKKM ' ' 0' $ '$*0' &- ( )!' 'OO "-?@'$>,@' D-@ 'A-+'?@ A'E- ,'!@, - @CA?@A+

!@, .C +>, + - "+b' 6.6" 7 !

;KN'= ' ' ' *!0' ' ;OP' B@' @, .C +>, ' + -A'- 'B@C A D->'.> CD A' ;KO<')5' ' B@' D-?' - ' B- @' B B'B 'EC->.B+'G->' @, .C +>' , + -A' 4KQN:' "' (8 '<$-0' ' ' ' ' ;<M' +' ^ @C++>D@a' ' '@@,A.-' + +-A' AD' @, . +>, +,-A

7 &-4? K)(>*E4(* K',, ' K0 (4(* K4+' " 'cK0(.*74(*70+'

;KQM < ' ' $'0' 0'S, 2 B@'T @, .C +>, +A.' .A-C A+'JC- J@C +G'- '+B@'%-B@A ' ;KLP' $!' $ 0' 'PLL' ?> @?@A+' AD' D J+-A' C@'T @, .C +>, +?.,G' D@Y A->A @D'%' .C- ' -,,@' AD' A' '$/0' - & &' ' %'C E' 0' ;LM B-@' C->' -C?'-' , .C +>, +-CG' @@, A.2 1 0' ;=N' B@' @, ,C +>, +-CG' J,@ >C@

*'!@, .> CD2' ' ' ' K(0<' 7 (3' :'(G' -=-0)-

$'4PKM ,$ $'8;MOO(KQ'!@, @ . D' +B'? ,DA@ @ !J-C+' +B'3 @ +@

K@, B@ ,'=-.4?6Y:/' 4=7#'=-4?6-4-' '=-46-4 ' =E4?6-4- =-4?674,9/ !'=-4?-6-(4-' 0?' .6" 'B (' D?' V' 'S-EL60(= (2 ,=--' 8F 1 DV ' (1-'?70)(0 7E-'L4(*'3-4-)-<'*7 6()-'K0-(* 6-(4 K L07L-0* -=' -=L' 5 + ' '"+$ ' 7117 ' /' %+' + ' (< ?70[1-04+'5 ' 8 ' ,=--' 1 ' /

X ' '&%)'?$ &!0 8 A@ D' #S-A (' -&' $, % m' !? B@,@' 1 (;L'? &' ,$' -$&& ' !@, B@,@' 1 0' LL' 5" ' !' :'!@, B@,@' 1 0' =L' E ,)& $(!@, 'B@,@' =--P-'^@@' = 1V' O&/+' * $'8 A@ D' #S-A ( )L'6A +>- ' A' @,B@,@'>@,' ?@C C+' ,';=PN (0' 0' ?.0'8"@ AC B(ON4' U' C- -J@2J@AG -C+2 >, E@,@' ;POM 1$!!' ,'8;PO<('l2 /@'J -J A@,, ' !@, @'B@ ,@' JG?JGCA@, ' ;PMK' B ' 1$!' 0l9 '!@, @'B@ ,@'

jjjj')jjjjjjjjjj' JJ'LOM ' $' ,)!$0' ;K=' " ' ' $?.0' $ - ' '<=' B@' @@D - '+B@' -??-A' @, B@ ,2 C) !!$')! $ (?S' +B@? @, @' +B'+B- @-' ,- @C' ('R ' 0' $ ' !LO A'+B@'.C '+B@' B-C+'@, B@ ,' B- 9 /' Y .6"' ' a ' B@' + -A'-C' >,+G'- 'JC- D A.' -C' -A@ @,' +B->+' + A @' C-?'-+B@C

jjjjjjj $ 0' 0' '6 2 A'+B@'D@ ++>+-A'-'+B@ ,D'D@ @C+'D-@'->C'G->A.' E'? @, I>C@' -C'B ? @,'+B@' B .B@ +'-' ,'J- @ -A 2 +B +'- ' !@, B@,J' SKM-' =% ! '!@, B@,J' $ %/' : 7 ' &(S'5C@@2 +B'+B@' D A@ A +A + - 'C@@D-?2 AD' ,,'+B@' @, B@,J' AD'@A@C.G' B B' JC A.'+B@C@->+' ;KQN ..I ' ' - ' % 'J' 2 O CD' B B' C@ J- @ @D2 ??@D +@,G'3+@C'B ++ A.2' - +B@' >,+G'- ' @, B@,J $ 1(4KKQ= !+' !@, "@,J' ? .C + -A'!- @+G' ;<NK = ! +'!@, B@,J'@S@C @' A' A., B ; ' 4 *' $@DC@ '-'-A@ ' C-A.'EG'-D@''- A' + -A2 +B->+'C@ ->C @'+-',@. ,'JC- @ 4KQP&- '<$' 'A '8@D'O(=QM B@'AD> @?@A+'- E +?A' C-?' @, ,B@,J2 ' + ,'C@I>C@D'

- D-' ,W6- D-' 6-4L?E4 -==/ -4? 6- L K' **!(' $0(&-4? 6->4L4-==' ,W6- D-' 6->4L4-== -=&/

O // : 7. '6 20' &'+ 2 'J . - T @, B@,J >, AD' @C@A@')C,+ ' ++A.' +' ;K<N ' ')-'S'#+U' =Q) L' B@' @, B@,J >,' I> ,+G' B B' @A E,@' ' ? A' +-' @ >C@' -? -C+' AD',>S>CG' +B->+'D@ @C A.2 +B@?' OKPP'9?-)) ' 2(& 'SS 2 " 'E-DG2 J ?J@C@D' +B'@ ,G' -E+ A@D',>S>C @ 2 ,- @' +'T @, B@,J>-@ ' XK)' R . ' & ' '8;KPK(OL< "@' ' 'C->.B'T @, B-JA.' -A' ' ' +B@' ,D@CA@ ' K / ' : 8) 0'C&)! "' (O=O B@'G->A.' C@' + @2 @, B@,J A.',++,@'+B A.' ;K=K' : 7. ' $ ' 2 ' ?'? @C E,@2 @, D .> +@D2 T @, ' B@,J,@ ' R 'R' $%"' 2 ',' 5@E'" O' J +BG2#C' +',@ + B +' ->,D' ,,'T @, B@,J,@ A@

!@, B- > D@+' - ' ' ^ ' .6"' ' 'i' ')'1(' !@, ?>CD@CC2 > D@' U%AL' 8 .' $! &2'L;;)'!@+E'B-A> D@2+B@' @' +C-GA.- ? A' @,@' ML+/- 8 30,M #!' '/@ ,C +-A'-'+B'+&C D#S@2 -C' B@ 2 B +'!@,@' B-? D@' 'A-+'-'A +>C ,,G'! AA@2 +B + + ? G'A@ @C'E@' -+B@C @' XMb' ' * (' - - 0' $ &' '8;MMK(ON'#' ,'3>CD@C 2+B@'?-+'D@+@ + E,@' ' @, "-? D@' ;K<< !!1) ' %' " 0' 0' 'LQ4'!@, B-? D@'- -AY ,,G'- >C' A'?@, A B-,

-4?677< 8 @, E>D(' m ' .6' 1('N'")

#C .'C@JC@ @A+A.' 2 1. E ' ?+'C@AD@C A.' ,- ' , (' - ' " AD' '. 'F @-E'O@B?@A'-C' 0-@E?@2 ,@2 ;PQP' ;MO=(' @@'!>-+ ' ;M=N2 @+ ' B@C@' 'A-'@ D@A @'-'+B@' -A+ A> +G'-'+B@' -CD'C-?'+B@'4 +B' @A+2 AD' +' JJ@ C ' 'A@ ' -C? + -A' A'+B@'? DD,@'N;' +B@'O<8N' O6D), '> @'- ' +B@' -CD2 I')+B@' C@ +' !@, B--D'! + A'H' ") $! -'8;KN=(L)' @@?' +-'E@' - +@D

:' 6-'TE(4*+'3+')0*E-'7? B B'7 - ' 7 -=-4?0 4V@C -A ,'AD D> ,+G' L +0 *6(* B B' -A +Y *E*-'= -A@' '7W' @, '70 <) <E(4*+0 8-A@' (@, ;M=< : ' . V+C'? %- ' C('e'OL2 ', @'+-'B ?' \ ' A-+'+-'?G' @,@B--D'^-C.'C% ' ' +0' 1 (,' e' ;<' ;' AA-+' C E@2 -C' CC-. +@' AG' +B A.'>A+-'?G' @, @2 ' ' ?G' @,@B--D'^-C.' ' . !' @C@2-C'>AD@ +--D2 AG'+B A.' 1 ' ' 'e' LW B@' !@J C +-C'-'+B@' A +>C ,' @,@B--D' ^-C.' . E+'B +B'A-'+C>@' A ' 1 (S'e'K^ 'B ,D'a' A +>C ,,'>AD@C + AD A.'-' @,@B--D'^-C.' !1 W($% J' ' 8 'C $" &-' $- '&*'<& '7U' [KMO '0=0 3G' A.,@'J@C -A ,+G2 J @ +G2 @, B--D2 ,,' ' +'G->' 4NPK H H($( )* -$0' '8;KM=(LQ' B@ C',,-C->' @, B--D' AD' ??-C+ ,6E@C+*' OKM< &' -*0' !(OPN' +2' +-'-C.A +@' +-A2 +B@C@' ?>+' E@ -?@B A.' -' @,B--D] ' @,' '$0A' 9' ' <0' ' -$'OL<' B@C@' J@C @J+-A'-' ' ' +B@' @CG'>AD ?@A+' ,'A,@A-C' +' ' B B' ?' A

=-4?(='*6-'D- *0-'7?7 -2-'4?-' (<'(D*7 0 6- D-' =-4? D- *0-< -==0 <-)7*7 ' *7 =-4?' =-4?=6 4?-'70 D7 <ED*

OM=< :'HY. V+C'? .- '6' *(S'eO A+ BC + +@+B' @,@B--D'^-C.' ' !) W' AD'+B@',> +'-'+B@' ,@B' SMMS 1 8'+C'? ')'-' -0' .0(*&!0',&' 0C (O=K :' B'+B +'G@+' ? .B+'+-+ ,,G'DG@'+-'@, B--D' 47L' $"'&' $! '=NL' -'D@ +C-G' ,,'+B@'? B@ ->' 7 -CU' - '!@, B--D' AD'+B@' /@ ,2 $';QML' 'C& 0 (0'? - 'S 2 7 B@A'+B@' !->,'B ' + +@D' - '+B@' - @2 '!+ ,,'A'+'!@, B--D'!->3' @@U'+-' B A@ SKM-' B 7C & ($ &'ONP B@ ' +>EE-CA' @, --D' -'?@A' OKK' .0' - ;M3 G'LQL ;' 6- D@ +C> + -A'- ' @, B--D' AD'+B@'@A+C@' AD' @,, A.'- '+B@' " -,G' B- + <' -2' L-0=7 (4*+'7 -2-'L-0=7 (4' *-0-=*=' 70 D6(0(D*-0

A /& ') ' '? ' ' 'A' 'SM-' B@G'B D' -AA@S -A 2 -C'?-A@G2 B B' @C @D' ' ' JC@+@C @C@, ?' +-' +B@'?- ' -'B ' @, B--D2 S) ' 8 .' -&' '-"'?. 0' !@C' ' &) $'8;KQL(LQQ #C. A ,+G'D-@'A-+ -A +'A' 'D.@+G')@C+ -A'-' @, --D' OKKM ') " $ (444 ' ==N A' >,+ +A.' ? AB--D' @'D@ @,-J' @, B--D

-4? <-S4* D(4'- ^ ! .6" ' a' D@AY + ' +B' +W@,

OKQQ ' 'C !& ('V$'' '+'S S'MMN 7 @' AA-+'D@+@CY ? A@'+B@' ->,' 'J>C@'@, D@A+ ,'A +>C@'OKK=+C)' & 0 ' & ' ' ==;' B@'@+@C?D,G' @, D@A+ ,' .A A@'- D@ ' A 0'Q. 78 ' (--$' ' ' + 'MK ' @, -A -> 2 @, D@A+ ,2 @, D@+@C? A@D2 -J- @ ' I> ,+@' B B'+C A @AD'-C C @, E- @'+B@' ' -'? ++@C

-4? <-. **+ C (Y .6"' L' a' B@' D@A+ +G'-' ' '+B A.' +B' + @, SKMM: ' = B' ('OO< ?-+ -A' AD' B A.@' C@' A -?J +E,@' +B' ??>+ E,@' @, D@A+ +G' OKQQ!' ' C !& ('V$'' '+'S 'P=)'%-A ->A@ ' ? GJ ' +BC->.B' ? AG' + +@' +B->+,- A.' + ' @, D@A+ +G' OK)' : ')' $-0' $' ' ('S 'MS B +' @J C +@2 -,+ CG' @, D@A+ +G2 B B'? U@'@ B'B>? A' J C+2 +B@'E@ C@C'- + '- A'E>CD@A

-4? <7 (*-08' Y .6"'+ a' #A@' B-'D-,X@' -C' -C B J' @,' '!-' -4? <7.*7*0+' -4? .<744l-<' **!0' -4? .<74 l*l' AD' * !0' OK=' ' $!.' ' ' (OOP AD' @, D-,+@C' A' DC , A.'+-A@7 B A@ E->+'EC@+BC@AD@ C2G@+ C@ -CA-A@' OMKO ' + M 0' & 0' 'e'OL'8;Q;M(O= !@, C@D>Y +G2 JC D@2 AD',@ +G',@ D'>A+-'T @, D- +CG' OKM=J. !' ,0' $ ' 6 N' ' @, D-,+CG2 ' @, -@ GA.2 B B' B ,' -?J@+@' +B'+B@'+C>@' -D' OQK;' # M$ ' 5*& 0'<=' B@'JB C @@'+B@'D>J@'-'B ' - A' C+2T!@, ,D-,XD' S)S

I ' '%0'?$C 0';NL'9A- A.' > B'?-+-A'+-' -?@'C-?' JC D@' AD'T @, ,D- -+)' B ' '0'C D* 0 ==; 5C-?' B2)@JB A B' D-J+'+B' B C +@C +'J +>C@' -' @ D-, A.' SK-':' ' ' '8;KNP('QM B@'T @, D-6XA.'?@A' B-'DC@ ? * -4? 1 ' 0*' (3' '(Q ' 1 (01?E4*7 7 -=-4?

OMLL'&' - . ' "-' ' $ 0' &) 'S 2 @'@ B' - '-+A@C' C?,G',- 'D2 AD',- ?. ' ' CC@'C-?'B +@2 '@, ' ,,3@,-> @

-4? L7.0*(D-' 7 (3' '(G 6-'=- =-' 7?7 -2-' 1L70*(D-0 3-(0 K 70 D7 <ED* (0= K ?071'*6 =

OQQ)' A' ' OQQ< & ' -'=L'5' '!B@' ->AD' A'B ?' A-+B?.' -'+B +' @, ?J-A A@' B B' >J@C -C J C+2 -C .C@ +' >,+ + -A' -'+B@?2 ' J'+-' -A @C' KXK' (S' B@' -C+BG' E>C.B@C2 A' +B@' J,@A +>D@' - ' @, ?J-C+ A @' OKOP]'? & 'SS '!-,+>D@' ' ->C E,@' +-' @@,A.' @, ?J-C+ A @' ;K)' 6) (0' V ' 'LL4' B@'D .A +G'- 'E@ C A.' A'%B C,) ' '>+ A@D' EG' 'JC- ->AD' @A @' -, ?J-C+ A @' AD' >J@C -C +G

-4? .0*(4*' C' 0?' L0-D G (0J-< 3+' =-4? 1L70*(D-0 6() K (** -R(KK-0(*-< 7L 7' 7?7 -2-'7W' 1L70*(D-

>!' +>' ' OQKL' 2: 66 '? 3 $"' ' ' ,++,@' @, ' ?J-C+ A+' ->C+. DD@C' OQ<L' = ' " &' ' 0'e'OK;' 5 @'- ' ->C E@ +'B AD'E@A.' .C- A' @, ?J-C+ A+2 D@Y ? AD@D' A' A C@ @'- ' .@' OK=O = 7' -(' 8;K=L(# B@' ?J- A.' -??@A+'- ' @, ?J-C+ A+'J@-J,@

-4R 1L7.=-<' **!0'$0 Y .6" a' ?J- @D' -A' -A@ EG'-A@ @,

OQKO 81 ' &' $0'LPN # 'A@@D,@ ' B ?@2 AD' @,' ?J- 'D' D .C @' OKLK J 9 !' ' 'S,6 2 6J-A' +B@' A .B+' B@A' A 'B>CC@D'-A'B@C' @, ?J- @D'? -A'+-' $- @') G,@' OKQQ - ' $ & '&'D0 ' JJ'MP;' B@C '+'A-'C@ -A'+-'+B BU'+B +'+B@'J ,.C? .@' ' -+B@C +B A' @, ?J- @D'-A@

-*? 1L07.)(34-' 7 (3' (1' (L(34-' 7?'=-4?! 1L07)0E-(*

OMQK' %>/ -$ "' ' !!(" 0' 'SSS 'PMP' AD- @D' +B 'SC@@ ,,2 AD' -A A @I>@A+,G' @, ?JC- E,@' AD' @, ' ?J ,C E,@)' $ %?> 0 0 ,0 5$-0'E ! 0C !& 0H 0= 9+' KL'!-?@' @A+@A+'E@ A. 2 8-' B-?' '? A(? . A + @' AD' @, ?) E @

-4R > 1L0>)-G44- *' Y .6"Q' a' ?JC- @Y ?@A+'- '-A@ @,2 -A@' ' B C +@C2 @+ 2 EG'-A@)'- A' @ -C+

Q=W : ' = ' &!%3V'$2!(;' S'8;KPL(MM " D' ' > B' +@?J@C EG' +>C@2 ' B->,D' J@CB J 2 +B' ,' ?G'!@, ?' JC- @6@A+' AD'6' 'D >,+ B A.'+-'? A .@2 S)S' ' .1' ((!%3 ,*!' '8;K=O(O;' B@' B-,@'@A@C. @' -'+B@' ? A'D@ -+@D'+-' @) ?JCJ @?@A+' OKQ<'$ '9' /- #)' &'%), $' - ' '<=' !@, *?JC- @?@A+' AD'+B@'UA- ,@D.@' - '-A@'- A' >,+

- A' @,D' OQN<' 6 ' $$,0' > & $! ' ' 0 @+B@C' +B '9A- ,@D.'^-' -> C @, @ a' I>C'D' EG +B@' @ '-'& ,@ A+CG 2+B@'!+>DG'- ' + +@' AD' "-A->C' ' A-C' ' @'+-'E@'@ @+@@?'D'+B +'T @, A)- ' ' C+ +2' B-' ? U@' ' 5-C+>A@'->+'+B@ @' OKM<'g &'QII '< $, =') '8OKQ=(7 ' ,-A.' @C@'-'@, ?JC- A.'JC- @ @ -4? D7 .=*- D+' 7 (3' '(' #0' %E? 'Q'

OM<K ('C $, (,(8;QNQ(' ;;L' -' I>+'B ? @,' C-?'+B@' ?J>+ + -A'- ' E >CD+G' AD'!@, #A -A +@A G' OQQK'$' ' = ! +'!@, A -A +@A G' S@?J, @D2 :2R ' ' $!' '%!0' &!"' * 'B'M' B '-E*@ + -A' AA-+'E@' D@' +,)>+'-B)->' @, A -A +@A G

7' (4? 77*=.=*- *' 'P ' /' ' OMMK '%' & T' 0' $!0 -'$DC' L2' '+B@?-C@ J@CJ,@S+' AD' @, A -A +@A+'+B@' +>C@'-' -D' @C@2 +' @C@'+B@?'D-C 6@2 OQ=P' '2 '&'), OO' B@G' C@2 'E@, @ @2+B@'?-+' @, A -A +@A+'+B@'&@-J,@

-4? E< .7-<' (<YYY' ') % 7 (3 !' %07<ED-<'3+'=-4?' < D*7

OKKM ' ' ;='3 G'==0 O A'@S+C'>CC@A+'- '-JJ-++@' A?@' @, AD> @D'A'@C' OK<Q ' 9 7 ' '), &'' &'!'ON B@' @, +,AD> @D' >CC@A+'A'+B@' - ,' C-?'?'U@' ' A @C @

-4? 1<E.D*(D-') % ' 7 (3' '3G ^' -R*' 4='7'*6-'D7-??D - *7?'=-4? <ED* 7

K(' ' - 0" '!0 ,0 ,0H 0 ' =LO 7 @' A' , G'D@+@C?A@'+B ' ?>+> ' AD>+A @' A'+@C?'-'+B@ '+-' ' ' M'5@E'<M' A' @, AD>+A @'@,@ +C +G'B D' 'JC-J@+GC@ @ ?? ?.) A@C+ -4? E< ' *7 ') % 7 (3' 3@' 6-' L07<ED*7 ' 7?'(' <ED-0 DE00- *' ' (D0DE *'3+' 1-(='7?'()(0(*7 '*6-'DE - *7?'*6(*'D 0DE *' , --'4EL3 7 0'47' '6 /

)OKQL' : M ' ! , 0' ' %0' 'O<;' B@' @, AD> Y + -A'- ' 'C->AD' C@'D->E,@D'-A' +' ,' OKQW # ' ! ' A' - ' ,?!0? ' 0' ,, QM O'7B +':? E@@A ,,@D'+B@ -D @A+' - '@, AD> +-A'- ' ' C >+B@'^ @>? AAa' ,,'+B@'J-+@AY + ,'-' +B@' C > + -A' + @ >' ;KKM ' ' 'O= 3>G'##& ' B@'@,@ +C-?-+ @' -C @'- '@, AD> +-A'>CC@A+

7' -4? <E.D*)-'('L07<ED-<'3+=-4? (<ED*7(> ' "#1 $ # 1X1 C @'T'8;K==('ONK'!@, AD> + @' + -A' ' ' >CC@A+' OKKW , ' 'O=' 3 G'==0' B@' @, + AD> + @' J +G'- 'A-A A'?!)A@+ ' C@'-'D@ @CC@A+'?@+ ,

-4? <E.4K-< YYY'C' 7 (3' (1' <E4K-<' K0(*?-<'70'6E17E0-<'3+'7 -=-4?

;K)M " ' ' / ' '&%' & $, ' +2 5@,'DC-J GZ @, AD>,.'D@' A>C +2 -C'DC @' G' +' .C->DA.'+BC +' OKKO ' 'f "' $ "' &D) '2!J-,+2 AD' @, AD>,.@D -4? E<E.4K- D-' 7 (3'0'(G <E4K- D-' 7?'7 -2-'<-=0-=-'-*D 0'^' ?D'('3 >! ' = ' ' & - ' ('8+! ('OP< B +' G->D-'A-+'E@, @'@'+B +' ,, B@ ,+B' -?@'+-' AG'E>+'+BC->.B' +B@ C'- A' @, AD>,.@A @' OQQ<R TC(H'<$ '8OKMK(

L;P B@ >+B-C A@ @C ,>?E@C A @, +AD>,.@A \ E >,,
.->C ,>C) @S@C+@D ;KM< .. 1 .' 2 @+
S 8;KQK(NK #A@ AD - @ J@-J,@+B + ,,D- AG D-+G
+B + + J @ +B@ C @, AD>,.@A @
7 4?> < >4 0 * ,D? '8(C ;/ &-4?

AD> 6 b !@, >D>, C ! $(
O>+O 8 ..6& ' &' B 3 C b A ;QQM(JC -> AD
r @, AD>,.@A+ ,@+>D A C A ;KLL : " V M " $ '
8;KQM(4 B- @ @ + @2 @, AD?.@A+ B E+ S! G =
.. &) ' SS SKM ,, +B@ C+ ,@ @ @C
A @A+@D EG +B@ A.@A> +G - ? A -C C@AD@C A. +B@ C@+ C@D
B->C - A .@D r @, AD>,.@C ,>S>C -> SD!) (
F;M<<(OQP #>C ? - + -C CD AD !@, AD>,. A.
#J A -A SQ<!VSKS= 9) 8 5,) 0 , L++ !+@@J@D A
@, AD>,. A. J,@@A

& @ E ?4 2 *-< 0 0 $ G ?4 D*-<
3+ 7 -=-4? 70 7 -2= 7W 6(<

4QK=%- & $ $. =LN &- @C+G2 +B ?- + B- B ?J@C
-C+B B@ C ,-A. -?J, A+ 2 @, DAD +@D -@ X\=
0 $#++ [2)AS + S , !@, A, +@D J@A A @ K%U
4 4 , OQN O B@ A*>CG @, A, +@-
7 - ?@ **?4 .D* 7

R 7 &> 1 '(C &* (PKL !@, A 6 + -A B C +@C
+ - +B@ D-, +C-> >++ A. ;K< ? 78. P " 0
LM A +B@ E @A @ - AG +B@-CG +- E- +B@ >+ ->,D
J- E,G B> @ E@@A ? D@ EG +B + -+B@C B AD2 B->,D E@
DC @A -) +- +B@ +B@-CG - @, A,+ + -A

! @, # A +C> +@D , > 0 * ; G -4?
-<ED(*-< =-4? *(EK6* 7 -4? *?*0E27* 7 RU
-4? E=* >D*70 ,E=-< (= (**4- ?70 (1(E(4 7?
=-4? =*0ED* 7 /

$;QN= 2 + M & ($, -0 2 E 7 U ;QN<
) M B@ /@ C@ - r !@, A +C> + -A ;Q)< 8
&) T S LOM " D @ -A+ A>@D J@C @ +2 %-D
C@ +@D +B@ C + ? A2 J@CB J +B@ J@C @ + -A - ->C A +>C@
B D E@@A > @A+ @, A)C> + ? -C @ @CG -A@ ;K=K
8 9 ! &%%0C$ 5" 7 B + A +C> + -A ?6)@@ @ + ?,
+B A @, A +C> + -A %5 ') - Q : A OS - +
- @C A @, A +C> + -A A + + SK) =0)+ B@ !@,
A +C> +-C2 -C 1->A. 3 A 0@ + %-?J A -A E@+A) A AY
+C-D> + -A +- ,, +B@ C -> EC A B@ - > @ >, ,@ CA A. AD
UA- ,@D.@ ;KKL 4* ! >+ 7 CD AD - U' !@, A +C> +-C H
-C2 @CG 3 A B+ - A ! B--,? +@C
* -4? .E*-0-==-< YYY_ (0 --4=
G ^ (3

;MPM '3- 3 +C ?&,,$! ' 0% T C$T $ 0
S 8;MQ=(;=' B@ @, A+@C@ @D AD J@C D->'B@ C+- '3 A
4QNQ & 0<$0 - =LO= S B- @ A CC- ' !@ ,A+@C@ @D
-+-A B B2 B D ,-A. C ?J D AD @++@C D +B@?
! @, >+@C@ + ' 7 (3 (G
-2= L-0=7 (4 L07? * 3- -?* 70 (<)(*(K-
,?Q 10 #3 / 7W $ 70 0
$%/ O 9 $ $, 0 - ' 0 LP !@, A+@C@ +2
+B@ @ -AD @AD $ MM F ,$$ &!") & 0 8;MQP(
;MO " + +B-> @+ >J A-+B A. A -?J@++-A ' +B B ?' &0
-Da2 A-&C- +2A- !@, ,- @2A- !@, A+@C@ +- +B A@- A
4QOM $ ' 0 &! $* !5H0 ONO C@ +@C $@. CD
+- !@, A+@C@ + K-S $ - $ 0 >. LLO A @AY
,.B+@A@D @A @ - @, A+@C@ + S!.X 0 &10 S 2
"@B-,D E - A @, A+@C@ + + - E@+B@D@ -+@D .> D@ - B
B-,@ -AD> + ;KLL ! U & &* ' ' OO U@ G
! AD@C2 B@ ,- @D J,-++ A.2 G@+A@..@ +@D @, A+@C@ +2
3 L0)(*- 70 L-0=7 (4 - < 9
$%/ ' 7 $ " 8;KLM(ONK + D? ++@D A- ,,-G -C
? S+>C@ +B OG C@ J@ + -C @, A+@C@ + 4QX) 3L
0 .) ,)! 0 8@D =(S B@G B @ OG @AD AD !@,
A+@C@ + - +B@ C- A ;KMQ 7 ' 10 &)E ' OQQ
B@ @, A+@C@ +2+B@*-EE A. JC-J@A +@ - +B@ @?E,G
/ -K(0< *7 70 LE0=E * 7? 7 -@= 7W (<)(*(K-
70 W-4?(0- * 0*7 *6- -RD4E= D1 7?70-K(0< ?70 7 *6-0=
,? 1(/ 70 *6- ?()7E0(*<-=- =- D?

(3 (1 Q
$%&O # Y.. V+C ? - * 0S e= "@ ?> + ? -C+
+B@ A+ BC + A B+ ->,@ AD E@ -?@+B@J--C)+ C@ +>C@ A
+B@ - A@ B--D 8 @,@A@ @ -C @, @ A+@C@ +@D 4MPQ
?$. > $ $ &* $;; e P 8;<NK(O) ! - E -,>@
J>C +G AD C@@D-? C-? @, A+@C@ + ;M<L ! $ 5$-0
C& 0 /@D 2 8@D 9@C('O B@ ?@*>..,A. A !+ +@2
+B@ ?@ BGJ- C G A C@,.-A2 +B@ ?@ @, A+@C@ + AD
? ? A.@?@A+ ;QKN 81 5*& 0 =L< B@ JC@ +,G
EC-+B@CB--D2 D@ ->+2 A @C@2 5C-?' ?@ A @, A+ C@ + AD
?E+-A ,@ C 4Q<N B 0 7U OQ; A @AY
,.B+@A@D @, A+@C@ +2 B B2 B@A @,' >AD@C +--D2 +B@G
+C ,>2 D@A+ G +B A A+@C@ + ? -C@ @A, C.@D AD
J>B, U ;KMP # 7 & '),&7U ;K<N OLM
B@ @ U .--D A +>C@ AB@C@A+ A J-J>, C .- @A)@A+2
E>+ .@A+ B B ?-A C B@ AD C +- C ,@ C@+JU C@D
EG @++ A+@C@ + OKQK A - 0
@44 =NQ A J+@ -? ,.A+G AD E6AD @,
A+@C@ + A@ @ +G , G AA. A. +>A)C.B+
! @, A+@C@ +@D2+ 0? L0-D i 0/ , 6(0(D[
*-0 I-< 3+ =-4? *-0-=*U (D* (*-< =74-4+ 3+ 0-K(0<
?70 7 -2= L-0=7 (4 (<)(*(K- 70 W-4?(0-
$ (!$ C$!0 A $!(,08;)(" =KO 3@A2
+ AD A. >AD@C > B ?@C @A CG AD @, A+@C@ +@D -.E.Y
+-A SKKK) B & V ! ! 0 P< B- @
>AB JJG D@ .A 2 B B A -A D@C +@ AD @, A+@C@ +@D
?@A B @ C ?@D .A +G-> C 3 *@ +G +C>@ A+@C@ + ;QNQ
' &!! ,0 ;< !@J+ 8# " ! (=K '!+ A.G @, AY
+@C@ +@D 5@,,- 4QK=-) &) !!$ M.
B@.+ -5-C+>A@ JJ,@D +- @, A+@C@ + J>CJ- @
;KL= 9 " ' S LMN B@ S@ , - +B@
? DD,@ ,@ B D A-+B A. +- C@ -??@AD +- +B@ ->C- A
@, A+@C@ +@D C@ -C?@C ;KML = B1 $! -
$* !:/ 1E=*,@ CA + E@ JC>D@A+ AD @, ?+@C@ +@D -C
G->)' U@
- D- 3-4? 8 >***-0-0*-< -==U =7
-=**EK> ' =2 (3
;QOQ + C !) 2 ' - 4:A >C*@ !@, A
+@C@ +@DA@ ' ?QL=' V %) ! " & .' 8;Q==(
M SJ@C@A @ - 3@A -CD A) !@, A+@C@ +@DA@ AD
C@ B@C ;)N : 3 ! E 0 (8;KQQ(MQ B
B C.@ - @, A+@C@ +@DA@ . A + +B@ ?-+ @ - >+>C@

, @ $%OO 6 'D0 ,& 0) Q< ,,
- , - @2 5C@AD B J ^@+ a 2D-@ EG + A +>C@ + U@ J, @
-+B@ @, A+@C@ + A.& " +QX-] 0) & -S
B@ @, A+@C@ +A. & C+G ^ X +B@ C@ D@C AD +B@ >+B-Ca
E-+B A B + -A @
-4?)74**.*7 7 (3 (G 6- D7 <*7
70 ?(D* 7 3- K =-4?)74)-<
;KSQ I . 7 C& 0 (SS 8;<NQ(;KL B@ @,Y
A -,>+ -A AD DC@ ?,U@ -A+A> +G - $ B CD ->+ KKK
- 0 6- !0 C ", &!0 : MLN "@C , +> @@?@D +-' JJC@Y
+@ +B@ D A.@C - @, A -,>+ -A
-4?)74)-< YYY 7 (3 (G H0(LL-<
EL 7 -=-4? 70 7 -2= 7W *67EK6*=
$ &A $"3 $ -' OM; B@ J@A @?AD A,
+--D@ C,G @, A -,3 $ &># ;' S QP B +
J@ >, C -C + - @, A -,@D E> A@ C ;KM<@ ' A0
& ' e O;%-,A. AD C@ -,A. AD @, A -, @D C@+>CA
- -?@ U@AA. C A@ AD +B C + -B@ C+
-4? =6,=->4?W/$ 4=7 != -4?,-/ =6 =-4) ?6
E (3 0N Q 4 ;
A " U@+ 9 @- C BE B-J 7 ,, $!$
8;M<L(e ;LM2 +B@ 7-CD D +- E@- +B@ &C@ EG+@C A
T- A A@ ?A+ W + > @D A C@ @C@A @+- @ @A+ -+B@G@ C
;M=; !GA-AG? >CC@B+ A +B@ ;Q+B @A+2 C@ !%
AD ! %)!0]
$ -)7*-<*7 70 D7 D-0 -<W*6 7 -2= 7W (<)([
*(K- 70 W-4?(0- *7 *6- -RD4E= 7 ?70-K(0< ?70 7*6-0=
;MQN 7) 7) &)! 0Q= CA ,@,@ B
J C+ @CG ,- +B -?@ + B + J,C+> ,, ;M=P
! ? $ 8;M=K(OQ 7 B@A G-> C D@Y
.A AD >AD@C+ U A. 2 AD - C JC@ @C G->C @, @AD
E@ -C@ +B@ &>E,!>@! S) # 0 0 &!0 0 ;=
@, B @ C2JC- @@D A. C-? A 2 D>,+@C->,-@- ->CY
@,@ $>/J# %! 0 -MO JW 7 A+ ? U@ ,?-
@ @CG ? A @, B ;QQ))) $ 2 AG B@C@
+-' -D +B@ @, WB ,@A @ - -" ? -+B@C A= ;KLK
(5 (T7@,,2 E>+ B + +- E@ -?@ -
?@ T >C.@D +B@ @+,!)? A $%J < & -&!$
44 2 B@ >E*@ + ?+ - @, B A+@C@ + + +B@ .@A@C , --D
$ >+ = U. E L0 (" 8;KQQ(MP "@A@ @ C,G B@
E - A.--D +B@ B A -? -C@ @, B A B ?+B A +
@, B ?B ?+- E@B ? @,
& -1(SMMM 1! @ = -*$ 0) 8;MMQ(
;L< 7 @ AA-+ ?. A@B ? @, B JC+@D +- @ + +
$ %J 8 A OG,@(% 8;<NP(=MO D- A,--UA.,G A.
@,A E B@ C+@D +BC-A.
3 =-< ,3+ (<)-0=(0 -=/ (= (<-=K (*7 7?
*67=- -*6 D(4 *6-70 -= W6 D6 0-K(0< =-4? 47)- (=
6- 0-(4 17)- 7? (44 6E1 ((D*7
Y$%%J 9 B 1 (&11 ;QK -> @ +B@ &BC @ -
+B@ + ?@2+B @A+ ^" -EE@ a @CG @, B c] & &
E ($!(8;K=K(;PQ B@D @C@A+ G +@? + - B B +B@
+@C ? T B TB JJ,@D SKMK ' 0) & (
, ()LK B@ J+ >C A2-C !@, B2 !G +@ >
+ -*+1 47@(0- ((4+= = E=-< ?L0 .L-0[
*(K *7 70 D7 *-D*-<W*6 7 -=-4?2
L J["% & ," (0QO O B@ A + -A @S +@D -A
+B@ UA , @ ! % 0 @ ? G> @+B@ +B@ C A +B @A @
;K<< 1 -0 <$ T L 3 G L O -J>C >@ +B C @, B D@,
-4? =64+ ,=-.4?M4/ $ (0? L0-D Q G
(=-4? =6 1(-*C
>! 1 C &!0 $0 0) 7B- A G->C ?@C + @, B,G
JJC- @ $ +0 $ 0 $, ;=N 7B- A@ @C
UA- A +- -C.@ B ?,@,2 AD + +B A @, B,G
-4? =6 -== 8 -D *A@ (, -Q @, B ^
.6 i !! a B@ -AD+-A -C I> ,+G -
)A. @, B) B D J- +-A -C E@B ->C
C@. CD -C-A@ - b A+@C@ + -C B JJ A@ +- +B@
D C@.) -+B@ @6)E@A. -+B@C
% 7 $0 " 4 $ $ && " E2 + !" D-?@ + UA@
-) +2 @, EA@ @2 +B@ .C@ + ,@++- C? @2$@Y
.-A 2 AD 9 A.D- B@ .--D 4M=P M ! ?$,
G 8;M=K(OM ,-A @ @C G-> S@ >,, - A G2 -C >, -
!@, BA@ 2 + C.>@ G-> B+,- + !@, BA@
8;Q;;(: ; ;P B@ #*JJD +@ - !- E,@A@ ' !@, BA@
;Q<N B (LLL + S EG B B ,>S>CG2 C @2
AD @, BA@ @C@ C@@A@D2 AD +B@ ,- D +BC- A >J-A
JC-D> + @ J+ , SK) # = &) (:=NM& -A2
A +G2 A+@C@ +2 AD +, +B@ -+B@C J@ @ - @, BA@
-4? =1 ,=-.? / ?? (3 10B 2 ! -)7[
*7 *7 70 D7 D- *0(*7 EL7 7 -2= 7W *-0-=*U
=-4? D- *0-< -== 4=7@ *6- != -4? =6 *6-70+ 2 L?
170(4=
U>OO4 AJ 2Q 0 8;KMM(PO= A +B@)C D@)
,>S>CG AD @, ? $ JA & 0 ! ' S2 B +
A-+B A.->,D +@A) + ?@+- -?JC-? @ ?G E -CE A. @, ?2
KMN & 0 % HKMVQ< 0G +C@ + ?.+B@ J + @A+
+@AD@C,G) +- B-+B ?'>J A A CC- @C @, ? $ >$
& $! ;PN -EE@ ?D+B@ -+B@C D - +@ - @, ?;K<=
^ @@ o
-4? =* ,=-24? = 4=7 != -4?- =* 0? (3 1(?
: G =-4? D- *0-< 70 =-4? =6 L-0=7
S) < V% +C2? - * (e MO ^ +a - @+-> ,G
D@ C@+B +-DC +B@ C, @ AD ??A+@A A @ + + @, @2 AD
+- ? @ + @, @ -CD- @C +2 AD , E@ !@, @ + ^-C.
H0
;KO< - 3 .) 0 S OOL B@ A B-C@ + @, +EG
B @CG JC- @ -A ;KPQ : M 0% 0?&*>(
8;KP<(OQN2;- B@ E@@A ?@C@ A+@C@ + JC @
-4? M <K-< 7 (3 ; G E<K-< 3+
7 -=-4? 7 1(1((<
;Q<K ! - " 01 +C $ 1 & 8;KOM(;N 7 B- E>+
+B@ C@+ B r @, *>D. D2 B > @+-@ C ;KPN !
& - $ &-@+2 7U 8;KQP(=< B @, *>D.@D B@,-+2
,@ @D +- +- , OSMKN !%5$ - (7U ;MK=
; KOP 7 +B J- @C- @, +CG , AD @, *>D. A. ;K=Q
W= 9 !T %B) > (*>D. A. -A@ @,
-4? M >< K- - * 7 (3 (G
Q -4? 7L 7 1 0
;M)Q ?$. $, $ &* $ > ;;(S e - ;<NK(O<M A
-E+A +@ @, *>D.?@A+ A+B

:>D.@?@A+ J @D >J-A -A@ @,2
;Q= : = !%V & 2 !0 S 8 KPL(;NK B@ 7 A+ -
+B JC@ -> +-!@, *>D.?@A+ +B@ >@ - ?-?> B
!@, /@ @J+ -A SKMK <.) 6 0) S 8 KQ-(LK=
@?@ @, *>D.?@A+ EG +B@ A CD ,
+!@, *> + + CG &!0 1(Y .6" V
G #B 1(P
SM) \ 9 . ' ' > $!;SP "@ JC- @ @+B
B ? @,@ A- /@,AI>@A+2 E>+ *> + J@C -A 8# +C A.@ @,
,> + CG2 # ? - + ?J>D@A+ C-A+@C - ,> +, @(SMMS
B ! 0 8;KOL(LLL B@ CC-.A+ @C+ -A C - @,Y
*> + C@ -A +B@ -A@ E >D2 AD +B@ ,D -J A-A - +B@
A+A-? A -A +B@ -+B@C ;M<O 5$! Q< B@
J- +,@ -A ,>D@ 2 +- +B@ B ?@ - @, *> + C@ 2 $-? L
OQ 7 B@C@ E- + A.+B@A + @S ,>D@D
! @, A + , + -A Y .6" a B@ + -A
- *> + G A. - C@S > A.-A@ @,
>!! ' ;KOM 3 = 1) !!$!@C ;;8;KML(LP<
B@ + - + E @A @ - ,,@AA@ AD @, *> + +-A+- CD
B@C >J@C-C 6 0 E0 0 LQ; "@
E->AD@D A C@G@+++ -A AD @SJ, A +-G @, *> + +-A
! @, *> + @C Y .6" ;
+, .6"; B
SM L A)$. $, (< AD G@+ B@ ->A+@D
JC->D @, *> + @C
C ' (@, *> + G A. +GJ@ ? B A@
A C@ @A+ / @+
! - !@, *> + ,@D* *!0 $(4C ' CC A.@D EG
?@ A - >+- ? + *> + G A. ?@ B A ? !@,
+ G A. * *!($(8 B@A @ *> + G A. ,G $ 0+0
(!8? 0 C OMK 7 B@A -,,- @D EG ,U@ C + -A
- +3 +BC@@ C@? AA. J @ E@+ @@A -CD A +B@ , A@2 +B@
,++@C2 B@A @?E,@D2 ,,E@ @, *> + ,) ;Q))R
C$- !$ 8;KO=(SS OQP 7B + @, *> + G A. ? AD
B @ +B@ ?@@U@ + - +B@ @ ->-@A SKM- B 0 C &* (
L<P 7B +B @ @ J-U@A) A + B@@ +B@ @, *> + GY
A. !>@ + -A B B 3 B C@ GD - +B@? ;K<P).>
$ 0 2 @, ' ;S J@A ,@ @++ A. ? B A@
$ 0$ =) &%&) & 0 S OPQ !B@ +B->.B+2
A -E @C @C AD r @, *> + G A. G +B->.B+ -A
!@, 3 ,2 $(1 0 ^ .6" 9 b a
3>+> ,,G , >.B+@C A.
$;MSK 3 $,0C $, SSS ,2 7 +B @, U ,,! -CD
+- >+@ B-+B@C +BC-+
!@, U ,,@DG + ** T Y .6" a 9 ,,@D EG
-A@ - A B AD @, D@ +C-G@D
SM- & 0 = C@ >C@+B-> -?@ J, @2 7 +B
E@ >+@ +C@ >C@ @C@ + E@ @, @ U ,D S GS = . $- & "
;MM= AD A- ,G + +-C -> ?-A. +BG , @, U,,D
!- !@,6 6@C2 > D@ !@6 U 6 A.2 @,
?ACD@C2 > D@
X)! $ 2 8 " & 0 LQ -C@, U - +C U-C +-
+B@>C ->A+CG2 r @,)U,,@C -C C,@.->?,@ +@C S S&
H I 5 Cb* MLM(-$DC2 ") +B) +B B-? r @,Y
U,, A.2 + -GD D .C @2 @@?@D ?@ A J- A+ - +C>@
? .A A ? +G2 $ B05 H16 H.QM 8JU O> UB? (. 0
84QO<(:;=<' A +B- @ ?@ !@, U,, A. A-+C C@
!@, U - T6 2 10 10 $ -" 3.)
;KSQ .)7 ? & 0> 0 S 8;<NQ(;KM 7B@+B@C
E +C +@D C-?' > +B@C@ @S + AG +B A. B .B@C AD E@G-AD
+B JC ? CG @, UA- A.
!@, UA- > 2 $0 Y .6" 2 L E a
9A- A. -A@ @, B A. @, UA- ,@D.@
;MMQ = .2 C0 0 : $P;N AD >JC.B+ +B 5C-A+ @C@A@
- @CA +B@C@ +2 @, UA- A. ;Q=P BT = !%V & 2 !0
$;;; 8;KPL(;=M @, UA- A. ? AD A @ ,G D +A.> B
E@+ @@A +B@ @ + - < K<N 7 ! &
OL 85>AU(B + +BE ?@ A+ -C J@C -A $@ -A2 @ ? G
U) C-? +B@ + +B C + -+,@ , +@) UA- +A. $@ -A
9A- A. @ @,2 *+B- +E@,J C-? A-+B@C
87@E +@C2 ;KOK LO(
!@, UA- ,@D.@ Y .6" 2 D a 9A- ,@D.@
- -A@ @,2 -A@ B C +@C2 J E, +@ 2 @+
;MSL # $06$1 2 % 8;KPM(;Q= B + ->C+ @C
A@ @C ++?A@ B @,@ UA- ,@D.@2 E>+ EG C@J-C+ ;M=Q
% 3 &!$ & %-A, Q !@, UA- ,@D.@ A
@ @C, +A. + U@ ;Q=P : = %3V - ' !0 ; 8;KPL(;N
!@, 9A- ,@D.@ +B + I> A+ A @ +B ->C @, 2 B B
B@ > B + @2 AD D-2 AD ->.B+-+ E@ O //
= B. 0 0 SS =PP + 7 C@? CU E,@ JC--
- B @, UA- ,@D.@ +B +2 C-? +B@ ?-?@A+ @ B B B@
E@. A +-D +A.> B B ?, A J>E, @2 B@ @ @D + -E@
@C @C SK) = U. !) - 0 8;KQM(LP !@, UA- Y
,@D.@ +B@ C + -AD+-A - C@J@A+ A @
!@, UA- A2 * * $(Y .6" Oa &- @ A.
@, UA- ,@D.@
C N# M$ <!& " & <& !& ;Q #B ,-+ A A +G +,,
-A@ @, UA- A;
!@, A-@ @@ .6 O M
+!@,) 1 0 Y .6" P @ a , - -A@
-A? UA. -C+- >+ -A@ @,
;MP= 1 N&& &- $ LMP + !@,@ 2-C G-> ,,2
,-@ 8 -D2 - A-+ +-,-@ EG B @,@ .BE->C -C
+BG @,@ =;MKN ," %& %& 8;K=M(
;M^ B@G A G@ -?> B , +-+B@? @,@ 2 +B + + D >,+
+-,)> D@ +B@?2+ J C+ +B +B + ? ++@C -
*> + + -A
!- + !@, , @D $0 +B + +- B ?@,
;ML CB . - 1!0 A ;L= + C .A@ A @ CG J C+2
0>+ J, G@ +B@ @,@ D GC A+ A ?G B@ C+
!@, ,@ 8 @ , ,)(2 $0 ^ .6 10 N". V
" A. A-C@. CD -C -C +B->.B+- @, A-+
@, @A+C@D >A @, B
$A/ .) " %0 KL "-,G A +A+ ?, +@CA ,
,-@ D@+ B@D AD A @ ,@ J>C +G $/0
O<L B@G A@ @C ?->A+ A A B@C @,@ '
?--D OO&) 9 . $!1& &) :: S , =P B@
A-E,@2 @,@ -CD D>+G
-+ D@A+ E,@ +B ? A @, $ 0
K /J B.6 +C "0 $! > (&, (" =<

[illegible]

[illegible]

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@, @ ? -> A. PKQ] & '$" ;NN B A. B B
?@A +B-> C+D-@D@@?@ +- E@ +B->+ @AD2 +C >A.@
3 ,,@ AD C AD,@ 2 AD > B -+B@C U AD - @, ? -> A.
;MNQ 3 ' - - $ & $! 2 ! ,>@C @, @ ? -> A. @
,, ! ,>@C 8_> U ;MP) . E C !& 0 ;; 8;MK) M= O
B + -D A A A +@ @, ? - A. ? AD $ I &
5, !!0 &!0 ;; ;M< .C@ + >+- ? +-A -C @ ? - A.
@A. A@ $>$/ C !& 0C ' ,0 ; ;;P ,,- A. 3 ++@C
+- E@ @, @S +@A+ AD @, ? - A. X! : (. # ?
, 0 SS9 @, ? - A. , @ $ J> : & 0 5 0 L=;
B@ @,) ? - A. ,@ @ - " $) - " $ ' 0 +!K- = B "
) < $ ' e XM 3 - @ E,@ AD @,) - A. +B A. +B +
->,D E@ CC @D -C EC->.B+ A+- ->C+

-4? 1 E.0<-0 7 (3 (6- *(J K 7?7 -2= 7W 4 ?- U =-4? <-=*0ED* 7 U =E D <-

OPML KL # " O;;= ; B@ , >,, AD @, @ ?>CD@C
- & >G@C2 - $ B CD -A.2 E@ D@ A A +@ -+B@C2 D.
M $ 0 O!O 7 B@C@ ,>D B A.@D B ? @, @
+B@C@ >,+ @C@ +@D A ?@?-CG - B @, @ ?>C+B@C
$;Q;P + , 2 ' ' A 8;QO=(PPL " @^ -CD @Sa
->AD D@ D B +BC- + >+ b B@ %-C ?@C *>C ->AD
+ @, ?>CD@C ;Q=; / C$ - !$ 8 KD MK A
> B .,-- ? G2 +>CA A@) + -A ->C 2 B@C@ !@, ?>CD@C
C@ ?-C@ C@ I>@A+ +B A A ,+ +B@ %BC + A 7 -C,D E@ D@
;K=L : , ! & ' 8;KMP( )LK B@ D J,@
^O>D @,,a ,- @D U@D AD >AB JJG, @ 7 @, A?CD@C
;K) O *F , "!2 ' *> - @ ?@ C-? DG A. -
@ ?>CD@C -C - EC-U@A B@ C+
$ ' %0 $ %JO (C& - $ ' 7U 8 C-
C+(:: O<K 3 G B C+ EG D@*@ + -A , G2 AD EG @, @ ?>CD@C
C@DD $>A+ . $! - OP; 5 O 7 @ B->,D +B AU +
+B@ ? - + >AA +>C , ! -C+ - !@, 3 >C+E@C +- C @ +B@
!@A+ ?@A+ - +B@ ! ->, +- .C + G +B@ J) +@ - +B@ O-DG
OQ O & 0 ;P 8;QOM(; QM 7 B@A B-,@
, - @+G D@ +C-G + @, 2 + , @, ?>CD@C

7 * -4?> 1 E>0<-0 " 1 W0<-0-< , ,, 1 W0<-0 E=0 ,, !

$%& < 7 ' 0 OPL ! - ? @ B @ D @D >AD@C +B@ C - A
B JJ A.2 AD B @) @, @ ?>C+B@C@D +B@ ? @, @ OQSM *
3 4# A * (;KN 3 G D@ C 3 -+B@C +B@C@ !@,
?>CD@C'D ,G@ A>A/ 1 " / S LLQ B@ @ @,
?>CD@C D C-? E@ ? D@J@AD 2 OP<N $ 0A 0 L
PQ BC->.B ,-A. A.> B2 AD @, @ ?>CDC A. +B->.B+
;9 7 : <& *0 " 0 $ ' (S 8OQM=(;MM B@
U@D2 J@C @ >+ A.2 @, ?>CD@C A. * ,-C ^ + S 2 OQa

-4? * 1 .0<-0-0 7 (3 ! - W67 D7 1[1 *= =-4? 1 E0<-0 (=E D <- G

B@ # -CD @C@ !%1$ ' $!% ' " C $(
$ A%A& O+-D C- 8;M==(<O " @ E->AD A -A
@A @ +- +@ ,2 AD @C@2 A - ? @ -J A -A 2 @, @ ?>CD@C@C
B@ +-,@ A-+ $ A%>& .) (10 S e O== "
O-DG E>C @D +B ! + U@ DC @A +BC->.B B ? 2
> > , A +B@ % @ - !@, 3 >C+B@C@C A> I .
& - - 0 ;K< B@ ?@ C.> ?@A+ ->,D JC- @ @ @CG -+B@C
C ? A , &h ,&% ' & 0 @,+ +B@ @,) ?>CD@C@C A %/
)) 6$ * 0 S 2 1-> ->,D E@ -CCG +B + -A@
?-C@ @, ?>CD@C@C B D .-A@ C) B AD@D +- B D--?

-24? (- == 0? (3 !

: -4? D- *0-< -==U -K7 =1 U =-4? =6 -==U * 7DD(= =-4? =6 (D*= 70 1(?-=*(* 7 = (0-4+ (-E*0(4 =- =- E- 0-K(0< ?70 7 -=-4?

$ OPKM ! (%" !!$! -AA S 2 7 B-,,G B@C ,,
@, @A@ @ B@ -CE@ C@ $ OMOK 5) %) - 0 $ ' 0
S, 7 U 8OMLL(->AD ->AD + -A2 A-+ -A ADG J C+
, .B+ # J A -A) @, @A@ @2 7 -CD - ?@A $ OMOK]
S 8OMPO(O=N ,> -E,@ !@ C@+ CG ? - @D2 E>+ A -+ C@Y
? - @D +B +B- @ @, @A@ @ - ? G -J A -A SMM 9
& ! C $" OPK B + @, A@ B B ? D@ +B@ @ ? J+ Y
+ -A 8- D ? AD @a JC@ ,@A+
OKPQ C& - LN - 2 +- .@ @, A@ *.C- A2
B AU A +>C@ E C@,G @C @ -C -A@ A J A 0
& ! C) !* 4 4 G =N= $@, . -A +B@ J- @C +- D@, @C
?@A C-? A >,2 A ? , @, BA@ A+- E@A@ -,@A+ AD
-+B@C @@U A. @, A@ OK<< A 0 0 JC =LL B@ ? .A Y
@A+ @, A@ - B 8OGC-A' a J-@+CG

; <) <E(4 *+ L-0=7 (4 *+ -==- D- $ 0

OMSO %- $ - ! @, @A@ @ $%&A ' = & ' & %
&)! SSS A B@ ? - + JC- ->AD AD @A+C , @A@C. @2 B@
@CG @, A@ @ - +B@ ->, OMPO : HF.. V +C ? - ' T
' 0) - S e K<) B@ @SJC@ @D 3 @C >CG ? > + . A
- ? @ >A+- +B@ AD - + @, A@ ^-C. !1 %](

* @> .*44 K -= 7 (3 < G -4? (6 4(* 7 =-4? (3(=-1- *

OM=Q ' = & ' & % &)! -+@ LQL B ,,@G - ' '
A-+B A. @, @ E>+ @> D@ DA@ @2 -CC +B@C @, A-+B A.A@ @
OMQ< > 0$ < ' ! + D-+B , + +B@ B@ C+ E- @
, +B A. C@ +@ AD G@+ + +B@ ?@ + ?@ D@JC@ @ + + +B@
,- @ + @A+C@ - @, A-+B A.A@ @

* -4?7<- =-4?7<-0 % 0 ?73=DE0- 70 K G D4(== 7? *- (* 7 * 13- 4(< (< E13-04(<

A I>-+ OO<N O !%& JJ @? AD ? G D@A-+@ +B@
B-,D A.2 A-+ +B@ +@A A+
:;!; ' 0* & - & - ' 0 ! LL A A-.C D-
! (' ' 0 OPN $@DD + C> I> - A+>C @, -D@C \ OO<N O
A 0 # A(!@C S K< S ^ ., A.B ? 2 BE,D a / @
I> , E@+ @, -D@ ++* D @+ @, * D@A A) 2 @S @J+ @, -D
JC-JC : -B D@ ! - ?@C ,@ A +@CC > - ? -C A+ E>
' $! " ' -) ' OC AD 0 2 ,$! 4!" ? +ff0
P<= # ? A@ @, -D@ A+ I> , E@+ +C@ JC@ C + A+> ?

/

: 7 $: (G (1(K- 70 1E0+ *7 7 -=-4?

$ OMOK 5 < 3 . ! ,$ 2 5@ C@ %-A ->AD ,, J- @C 2
AD +B-C->.B @, @ - @A @2 / -+B EC.@ AD C @ ? J- C
E +6G ;MQO = . $ - & ' POP ! D J,@ D 5-C @,
- @A @2 ? -C@ +B@A -C -D - @AD@D2

3 **(DJ @7 7 -=-4?

A AO . . ' , +-X -CD B B +B- @ - +B
, @ -C,D ? J,-G . A + @ B -+B@C2 A-+ +B@ ? @, @
A @A @ C D ..@C A-+ -C @, - @A @2

(7 (3 e 1 -2= 7W 7??- D-

A%+J $ 0%& 6 0 OKN 3 -C@2 A-C ,@ @ +-
-+B@C J G A. B@A EG @, @ - @A @ @ .B A.

* -4? 7??- <-0 ?7 Y .6" G =-4? W 44-< 7??- <-0

IOMMO C$* & ' ! 0 C $" 31.0 QN 7 ,, G-> ,, ?@A
-E + A +@ @, - @AD@C +B + D @C C-? G->

Q -4? 7 - Y .6" (G 9 47 - W *6 *=-4?

;MNO ' & ' &> 0 ;; 2 @, @ -A@ .> ,+ D-+B
-A@,G B + B D +C> +

-4? >L 4 7 (3[3 ? #: < G 1 -0=> *-01 ?70 ((*E0(4 D() *+ 1-* W *6 < KK K

A% J"& A C !0 $ ' 4 POO B + +B@ C+B
?-C@ -C ,@ B-,,- ? D@ JC-E E,@2 EG B + ->AD @ @CG
B@C@ A +B@ 3 ->A+ A X +>C ,% + @ -C %B ?E@C 2
B B +B@ 3 A@C - +B@ -C+B ,, !%&* ' 0 8OQ=K $ 3(
$. C) $$ # A A& =) " 0 ' > <!& 0
!@,)@A +>C , 5 >C@ A +B@ +-A@

-4?> >L- -< YNI @Y@ 7 (3[3 G L- -< 7? *= 7W (DD70<

A%%> = . C 0 0 3 A/& B@ . +@ @, -J@AD D@ # A
.-,D@A " A.@ +>CA A.2 , OKON! 7 $!" 8;KL<(;L B@
D--C B B @ @C2 @, -J@A@D2 ? - @ - +B@ ? +B + UA- U
A A& ') : 2 $ ' S S2 , ++,@ @ ? @A+ 7 D@A @,
-J@A D A+- +B@ --, C A // . " ," @+ ;MO !@,
-J@A@D , U@ ? . E--U

7 -4?C7>L- ?0 ,,

A JJ B) ' ," , !0 AD@S2 !@, -J@A A. . +@
OK<P - " = $ " &,0 C , ;P !@J+2 ;=NL B@
D@ , " J +@A+ @, -J@A A. J- U@+ UA @

-4? 7L 2 (*-< , 0 701-< (?*-0 .6" 7L 7 ? ^ .6" 1)

$%A> 2 8 6 - !0 8;QKL(ML " @ E@ A. JC->D AD
@,%@ -J A +@D2 +--U@ B - A@ G SKMK : " '
0 ' 0 : K= !> B -A @ +@D AD @, -J A +@D ?@A

- D- &-4? 7L > (*-<4+@*@ U =7 ? -4?>7L > A (* K -4? 7L . (* 4 - -== 8 .6K 6 "

3 D

A%/A ' <& 0 = &,0 >+B-C &C@ 2 ^ a ->,D C +B@C
B> @ +- EC--U@ +B J + @A @ - ? @ A -A @A @A @ +B@A
@, @ -J A +@D,G D +>CE +B@ I> @+ - +B@ J>E, I>@ A%JA
7 8 $ 0 S =<N &@@> B AD @, @ -J A + A. &>C
+ A@ $ O - 0 . ' ;ON / J>+ A+ J>+ +B
D- A +- ' @, -J A + @A@

-4?. L. 7 7W Y .6K D a K6 7L 7 7? 7 -=-4? =-4? -=*--1 U -=L 7)-0W-- K -=* 1(*- 7? 7 -=-4? =-4? D7 D- *U 73=* (D+ 7 -> 7W 7L 7

A/>O" + (C!) $,. & &!0 8;P<P(O=L 7 , >,,G .,>@A
+- @, @ - >A -A AD -E + A +@ ? AD@ S) 0
, $ " 8;MOP(SS $ +B@C @ I> +G +B A D, @ -J A -A ?> +
AD ->.B+ B @ ,G +- E@ @ .B@D A%>%)) ' O0
J / @D Q : B @ , E->C'D +- D @ + ? G @, - +B@ @,
J A -A - A >+B-C OQSO . * 0 ==L 6 P
5-C+>A +> +- U@D +B .A-C A @2 AD ? @ I>@A+,G
+B !@, # J A -A SKSK &1 & " 2 B->,D E@
-CCG +- B- U G->C @, -J A -A2 E>+ G-> @C@ A@ @C ?-C@
? + U@A A / B . - 0 2 % SS 8SKM-(O<Q
B@ @ , - JC D@ C@ C@A+2 +B@ C- U - @, J A ?
B ++@C@D OKQN . $ ' 0 0 SS) " @C @, Y
-J A -A C ,, @D2 B@ +@ ? J+@D +- +B AU +B +B *>D. ? @A+
A-+ -A,G ,, E,@ E>+ E @D

* -4? 7L 7 (*- ,, ^ -R*

;MNO = ' 0 !0 7 U ;KPM LM B -+B@C
,@ CA@D2 E>+ @, @) AA -A +@ A%/A 1 ' .. &! !&D)
S6 2 7 @ ,, C@ E- ? JC->D AD @, -J A -A +@

-4? 7L E7 (*-< YYY ^ .6" 1 V : () K (-R(KK-0(*-< 7L 7 7? 7 -=-4?U =-4? D7 D- *-<

OMQ; .. 76. - 0 > 7U ;QSN : ;;= B@C@ A@ @C
A + -A ? -C@ @) +A - ? +@D +- +B@ C D- ? 2 .--D
A@ 2 AD A+@C@ + +B -D OMQ= . 5, !!0 &!0 A
;KQ 3 - + ?@A C@ - @, -J A -A +@D2 +B + +B@G ,, @ ,G
E@, @ @ +B@ ? @, @ ? +@C 8) +B A. 2 +B@GD-E>+ B , >AD@CY
+ AD +B@ ? SK W ' U. * ShS " @ A- -C? ,Y
+ A-+ B@ ,, ! C>D@ AD B -+ 2 @, -J A -A +@D2 A2

(3=* (*- 7 -2= 7L 7

OQQN "#$ O ' S)+-C) 8;) <(P<N E-DG- @C? A 2
B- @C@ - C B AD @, -J A -A +@D +- @J C +@ +- ?
+B@ +C--J - !J C+ > A /> B. C$;=K
!@, # / A -A +3 D- +C A C ? SKMK : " .B %0 0
' 0 : PLK B@ G->A. JC @ + C +-- @, -J A -A +@D +-
G @,D +- C.> ? @A+

- D- 74? 7L 2 7 (*-?? -==U =7 74? 7L 2547 (*4)7 -4? 7L42E 7 (*)- -==

O) . 8 -E(2 =)) OV 2 @ +@DA@ +%-A @ +@DA@ 2
!) -J A -A +@DA@ !) SKKK (0 !$ - ;;<
B@ +@ ? J@C - @, -J A -A +@DA@ O<N= " . ?@
!%) !) > OOP ? A @, -J A -A + @ AD B C B
OKPQ B $!C ' , H0 8;KM<(MP 7 B- @ D-D, +G2 >AY
J- ,@D EG AG @ -J A -A + @A@

-4? 7L .RE 7 -< ,, ^ .6" 1 V G .1" 1)

A%A& = 7 C$! 0 & B @, -J A -A@D --,
A%OA B - 0 8;M<Q(LPP E-,D2 @, -J A -A'D &BG A
A>O& .. A O=) * 0 0 0 & - - 0 JJ PQK
" @ C.>@ ,- @,G2 E>+ ,-A= AD@D AD @, -J A -A@D
L I !;2 A A.@A -> 2 E>+ B ? , AD @,
-J A -A@D ?@ \ A O<NL - 0 < $O0 O / @ 6SB5 -E-DG
->,D B @ E@@A ,@ @, -J A -A@D2 AD AD@@D B@ ? D@
>..@ + -A + 7 +B B , J-,-.G

- D- -4? 7L42 47 -< -==

OKQ< $!" 2 OO # + M P J@ >, C U AD - C@, . ->
@, -J+A -A) A@ JC A. >J

-4?7 0 2K E (7 (3 3 G () K *= 70 K *=1?

OQN= ! . - &' 0 ? ' # 1 (<& 8;QMN(OQ
!@, -C. A , AD@J@AD@A+ S +@A @

* <? 7 0 > @ (*- ,, X -R*

OMMK " - ?! (&) S 2 + J@C @ + -A @C@ A-+ @,
-C. A +@ OQ 7 + 9 ! : ;MN B@ A
D@J@AD@A+2 @, -C. A +@ % > @ AD !->C @ - ,, O@ A.

-4? 70 .K (*-< , ,,; (<,, 7 (: ; G 0 K (*-< 3+ 7 -=-4? , *=-4?/

OMQQ < . 0 < ' ! OO< B + +B@G C@ A-+ @,
-C. A +@D2 E>+ B D -?@ E@. AA A. A JC ?@ 3 -+- $ OQ;;
: " - ' $) - &-@+ 7U :: =Q # !@, -C. A +@D
3 .B+2 B-> ,, C@ +A. A A +@ OKPO < < , ;;
SS 9 ;NL @, -C. A +@D + ?>,> OKQO -
? . ! " OQ B->.B+ 2 @, -C. A +@D2 -C ??@D +@,G
- -A@D EG C@ D A.

! - !@, -S .C A +,A.C O@, - . > + -A !@, - C ., @D , ,, x (3 C '

KLL : " (8 $ ' 0 0 8;KQM(;OQ -D C ? A +@
E@+ @@A +B@ ! -A AD " >AD@C @D) @, -C. A + A. 5 +B@C
SK) = . $ 0 0 : ;O< J@C -A ,2 J-A+ A@-> 2 @,
-C. A + A. AD @, ? A+ A@D >CC@AD@C +- @ , A ,>@A @
OQ;P C !& 0 C ' ,0 ; ;QP OG !@, @S +@A @ B@C@ :
?@ A" !@, -C. A + -A OKMM: $# I C E ! 0C !& 0
S 8;KQN(;QQ B@ @ +B + +B@C@ A E@ A-+B A. A +
^ ? -C , + -Aa - C@@ @, -C. A + -A2 $;QS; : " - 3
' $) - &-@+ 7U 2 =N 5C-? -D @, -C. A'D

* -4Z L(.0* (4 7 (3 (G 5 ->C E,@ +- -A@' - A A+@C@ +

OP<O .3 ?$ $ QNO # D- A-+2 +BC->.B
@,) J C+ ,, X@ ,2 7 +B " .E+ EC A'D %->A @, @S G->C %- ?
? -A @ ,@

-4? L(0* (.4 *+ - C-V - ? ? -A C,QOP ;KMP 7 (3 L a & C+ , +G -C ->C E,@ D Y J- + -A +- CD -A@ @, @S @ @ C@. CD -C -A@' - A A+@C@ + @, ,- @

OMOK - . &! C SSS S A-2 UA- A-+ B +
@, @ J C+ , + @2 ? U@)+B AU@ ->C @ >@ E@B AD B AD2
@@ - @C A-+ C@J G ?@A+ A +B@ ?@ - A@ @@ C@ @ >'D +
A%/ I : X J = E2 AG I> C@D D A+ .@ 2
@, J C+ , +G -C -+B@C AD>,.@A @ B +B E@@A E,@ +- @ + +@
?@ A ;QOM B . - 0 &!! $* !S ;K< " CDA@
- " @ C+ +B C@ J@ + +- -+B@C 2 *- A@D +B +B !@, J C
+ ,>H L AKOA I $ & ' 0 6) ,0 0 8;KOQ(
=;K) J C+ , +G DC C- ? @ B - +B@ ? > B - +B@ +
JC- ? @ +- -J@C +@ A ->C - B , ? R□ □
' 0 % & 0 !T MNN 7 @ B @ ->C @, J C+ , + @ 2E>+ B @
,@ CA+ +B@ ,>@ - @I> +G

-4? L-.0?-D* (7 (3 3 G %-0?-D* 1 7 -=-4?

SM+- ' . 0) 0 <& LNK , A-> +B +B +
-D >JC@ ?@2 @+@ ? ,,2 A@D E,@2 @, J@C @

@ L-0?-2D* K " 7 (3 ! " (3 5 05 # # O ! - !@, J@C @ + A. ,, 4-(< K *7 =-4? L-0?-D* 7

OKKL ^ @@ .6". 3 Oa S--K $!" & ' 0 M : A = = A
@, J@C @ + A. +B@C@ - ?@+A ? . J@C -A ,2 - ?@+B A. . ? +
G A. +- @, ,- @

-4? L-0?-.D* 7

i $ 7 (3 P a AB@C@A+ J@C @ + -A

OMOK - . &! S OO !B@@ - > B @9@
J@C @ + -A +B + B@ ? .B+ @CG @,, @ ?E,@ ?@2 B + -@>@C
- ? A J-+@A G ->,D ? U@ ? - + C C@

; 7 (3[3 G 6- L-0?-D* K 7?7 -.=D6(0(D*-0 4 ?- -*D E0 0

OKLQ = B &,0 - 0 =< A +B@ D G B@A
?>+> , AD @, J@C @ + -A ,, E@ +B@ JC@ ,@A+ D@ B B
+B@ , + -A - +B@ + ?@ ,, @SJC@ O<NP O ' .
+C ' 1 T - ,$ ' LPP A &>C + A ?@C +B@
->, ' @, C@ +--D A +B@ -C@.C->AD2 AD -A,G @ -AD C ,G
+B@ +C A. -C) J@C @ + -A2 @, @ C B?)2 AD @, Y
>,+>C@ ? D@ +- -A+C E>+@ +- +B@ D A @ - -,>@ + @ >,+>C@
" @A @ K@, J@C M @+ -A + A$ * * !0 $ 0(!@,
J@C @ -+ - ? @A+ 8 A C@ @A+ / @+ (
SK) : = B) 0% C ;== - @, J@C @ + -A + A.
JC- @ B C ? +B @A->.B +- C J@A +B@ ->, ' D A@C
C> +

D2Q 7 (3 < G % *+ 70 *- <-0 ?--4 K ?70 7 -=-4?

OMOO) > 0 8;MLO(OKO !B@ + C@ 7 +B2
->+ @, @ J ++G2 B@C D E@>@,@D B C@ ;M=Q " = C !& 0
C& - % ' & - ' 0 C !& (SS 2 B@G ->,D -C U@ B -CU
- -D2 AD ->+ - D@ C @, ^A++G 5,G C- ? +B@ C@ +>C@
$ OQSO : & * . ! & -@+ 7, PN= -+ +BG J>C@
7 ,,2 A-+ +BG A @ !@A @ - & A2 %->'D !@, AD>,.@A @2 -C
!@, J +G . A OKP< - & & ' = !! ;L !@,
J +G2 - +@A @CG +C-A. A +B@ @A+ ?@A+ ,,G @, B2 E>+
I> +@ C@ , A ,, B- B @ AG +@AD@C > @J+ E , + @ OKKP
<= $) 7 & # C ", JC 2 / -A -, +@2 AD +B
@, J +G J A@D 5ND DA0Sd50" V V ' ' " SSS2 !@, J +G
E D + AG + ?@ + + , + + @, @
$ 10 OMOK 5 < 3 . !$ $ - 2 B AA- @A+
7 +B B @, @ J ++G +@ C@ 2 DC@ +@ C@ C- ?
! - $0(J + ,A@K! !@, J, +Q
K4+ "
SKK- b =) $, & - 0 B@ A@ @ +G -C
DC A A. B@C - B@C @, J + >,A@ 2 1 0 A +B@ ? -CA A.
B@ DC @D B AA@, - +@ C 2 A- ,-A.@C @, J + >, OK<<
= . 0 & MM T @@, ,-A@,G U AD - B J'2
B@ G - B ? @, 2 B , @, J +G A.,G

- ? L4-(=-< ,, 7 (3 L a &,@ @D +B -A@ @, @, - ? J, @A+

$ OKN< : = = 8 7 @E +@C(2 @, J,@ @D ? A OKOP
$ " !@C ;; $ ' 8 $ ' " 0 OKL !B@
I> ++@D +B@ - B@ B D E@@A >A ,, A.,G B C A. +B +B@
@, J,@ @D E@ > $O+& 8) ? &2 ' ' PM B@ @, 2
J,@ @D2 U@@A .B+@D @. +@2

* -4? L4-(-0 7 (3 ! - W67 <7-= B 7W T L4-(=E0-

5 ! ? 1! 8$B@ ? (O &@+ +- B@? B B@ -A+@ ? A@
D- ? A -A2 E-,D2 @, J,@ @C ^ >,. 1 * !$, ' " # C))
D + 2 +MS @, @ ,,@Da A%JA) - 0 ;K !
&@+@C -CD .A @+B ? > B @, J,@ @C

9 TK/ " 7 (3 E! : 7 K 7 -2= 7W S L4-(=E0- 2 70 W 44

SMKS 8) - 1! 0 K< " !@, @@U A.2 AD !@,
J,@ A.2 ? > + >++@C,G E@ + G OK=O 3 C ? %
;K=K(<K B@ .C@ +@C A> ? E@C - ?@A , @ , @ - ?@C@
@, J6 A.

; ' -4? D7 (L4(D- D+

4KPM ' ($ ' &,.$" ' B@ C' >,+>C@' .@A@Y C ,,G'@A E,@ '+B@'+C @,,@D' A., B' +-' - D' AG'C D >,->' @S+C@?@ '- '+B ' @, J,@ A.

! -' &74? L4-(>= &0' ,, !

;P<N' 1 (' A(' A' 2' M' 7 +B' > B' @,@ J,@ +A.' +B->.B+ 'B@C' ->AD') @' @D ' $%+>"$A' $ $ ' '] ' H 5H 0+'OMM'!@, 'J,@ A.2' AD'B>?-C->' ? AD@ ' ;QL ' 1 ' C ,!0' $ 0'<M' 7B-' B ?@ ' ' ! C EE,@C ' EC@ U' -A@' -E @E' +BC-2' " @' J A ' +B@' ,.B+2' @, J,@ A.'+BC@ D' A@ ' R ? 0' 0' ' ' ;<;' " ' A +G' AD' @, J,@ ' A*.' + +G ' $ J/' : 7 . ' 2 0' & ' S 2' ,,' +B@' +C U@C @ '- ' @, J,@ A.' -CC-

-4? L7 =-' ' 0?' -R*F D?' %7 ' 6-' D7 <*7 ' -C'JC-J@C+G' - '3- K'=-4? L7 =-<

SK)' '< '< 8)'" $* '=' $* 'L' '? +>C +G' - '+B->.B+ 2' ' @, J- @' E->+' B ?2' B B' ?JC@ 'G->' =[illegible] 7' ' &' 0' (& . *' 7U '8O-BA(' 'L<=' ' @, J- +' E@,-A. ' +-' @ @CG' J C+ ,@' ;KK=' ') "' $ 0' : A' =PL O' S @,,@A+' I> , + -A ' -C' @ +B@C' -,D @C' -C' + X@A), J- @2' 'I> U' A+@,, .@A @2' ,- @' JJ, + -A

-4? L7 =-< YYY ' Y .6" 3 G' %7 =-<' 70' 3(4(D-< 3+' *=' 7W' E (<-< L7W-0' 70' W*67E*' =ELL70*' 4=7' 7?L-0=7 =' *6-0'(D*7 =' -*D

[illegible]

- D-' -4? L7 >=-<E-==

[illegible]

-4?.L7 E.*7 ' Y .6!' '(G' (=*E03(*7 ' =-4? (3E=-

[illegible]

- D-' -4? L7 E*-0

[illegible]

X-4? L > -<', , ' 0 701-<'(?*-0' .6" & U' =--' .6"'(G' 6(0(D*-0 I-<'3+'=-4?' L7=-== 7

[illegible]

- D-' -4? L7==-.==-<4+' "

[illegible]

-4? L -. K YY?' ' ' 0?'(?*-0' -R*G

[illegible]

-4? L7==-.== 7 ' Y .6" 'D a' %-?? AD'- ' -A@' >,+@ ' -C' @@, A. ' @, -?? AD2' -?Y J- >C@

j

P' @A@ $ /' eeeee eeeee' c:/ B@

[illegible]

D 3 $ 7 (3M ' (P>' %0(=-' 70' D71 ' 1@<(*7 '7?7 -=-4?

[illegible]

7' -4?CL0(=-<'*$0'**! 0

[illegible]

3 9 $ Y .6" ' (G' 6-'L0-[=-0)(*7 '7?7 -2=' -R =*- D-U' *0' (LL4-<' *7 *6-' (*E0(4 4(W70' =* D*W6 D6' 1L-4=4) KD0-(*E0-=' *7*(J-' 1-(=E0-=' *7 L0747 K' 4?-' (< ()7< ME0+

[illegible]

7' -4? L0-&->)(*)-' -4? L0-=->0)(*70+' $ B0" &-4?>L0-& >R) **' **!0' $ ' ?' -4? L0-' (->0e4R D04!'$ 0"' =7'(='*7 =()-'7 -=-4?*07E34-

;KL< - 'O<' :>,G'=O' @CG' C@B+>C@'B ' +' @,)C@' @C + @' A + A +');KQ;' $' "' ' B (' ' 8;KQQ(:'=P' B@' @, JC@ @C + @' -CC@ J-AD@A @'E@+ @@A' A+@CA ,' AD' @S+@CA ' B A.@ ' 4KKP' "' ' ' $) 0' $' 0'+ ' 6' OP=' 3 G'C- @C'C.B+@D' +'EG' ' @, JC@ @C +-CG' +' ;MM<'

[illegible]

-4? L0 <-' 7 (3' '(G' %0<-' '7 -=-4?'7 -2=' (D6-)-1- *=' 7 -=' L7= *7 U' L-0=7 (4' L0<-

[illegible]

-4? 0(=-<>' *$0'**!0(<'**!0' ' 7 (3' ; G' (=-<'3+'7 -=-4?'3+'7 -2=' 7W' 'L7W-0U' ,7?'('L4(*' K07W 'W*67E*' 6E1('(<

[illegible]

-4? L0 R(. K YYY (' 0 M =3 G' LL4-<' *7 (J <' 7?' ?47E0' W6 D6' D(E=-=' <7EK6' 70' L(=*-' *7' 0 =-' W*67E*' *6-' (<<*7 '7?' 3(J K L7W<-0' -*D

[illegible]

-4 R-(4 I(.*7 ' 5f ' Y .6" ' V' B@'

[illegible]

-4?80-?4-. *7 ' Y .6" ' 2' L' a *4 ' -?4-D*7 '70' 1(K-' 7?7 -=-4?'

[illegible]

' -' =E0-' 700-L077?7?7 -=-4?'

[illegible]

-?4-D*7 ' 1-<'*(*7 ' 70' =-0 7E=' *67EK6*' (=' *7 7 -@=' D6(0(D*-0' (D*7 =' ** 7*)-=' -*D'

[illegible]

7' -4? 0-?4->7*)C'* 0-?47>R)-' < =L7=-<' *7 70' D6(0(D*-0 I-<'3+'=-4? 0-?4-D*7 '

[illegible]

-4? 0-K(0<' 7 (3' '(' (G ' -K(0<'7?'70' D7 0<-0(*7 '7?70' 7 -=-4?

[illegible]

7 &-4? 0-K(>0<(*' ' 0-K(>0< R K' **!0 (' 477J K'*7W(0<=' 70' D-' *0 K' EL7 '7 -=-4?' 1(0J-<' 3+'=-4? 0-K(0<U W(*D6?' 4?7?7 -=-4?0' -4? 0-K(.R0<' 4-==' ' c0-K(>0<4-== -&=

[illegible]

? +G' AD' @A? +G' C@' -'+B@' @, C@. CD A.' +' XKMK Q(' ,%' 0' & 0' ,0' 'S' L<L' B@') J, + -A' -'&A,' D@A+ ,'-C'!@, C@. CD A.'?-+ @ ' ;<NQ'C M ' &, 0' 0' ' ;=N' %@C+ A' J@C -A ,' -C' @, C@. CD A.' C+>@ 2' -AC +A.' B @ ,G' A' B E+' -' JC-JC@+G' AD' @, -A+C-,' ;KQ<' $!"' ' 2' 0' # +'M =' B@' ->C .@' AD' @, C@' . C ,@ ' J +C -+ ?'-'G->B' OKQN ' V !- ' '"' SS 2' 7 -AD@C ,' @, J- @ -A' AD' @, C@. CD,@ A@ !) C@ '.> +@D2 ' 'Y .6"'A!& V' I "

4(*-<' ?071' W*6 ' 70' (E*71(* D(44+

;K=Q' A' O ' D&\ '0' 0' # +');Q' B@'%-,.@.@' @C@' -, +@D2' @, C@.>, +@D' AD') -A+ A@D

7' &-4? *->K**4?**4EK' , '

[illegible]

-4? 0-K 4(2*7 ' 7 (3' '(G -KE4(*7 ' D7 *074'70'<0-D*7 '3+'70'7?7 -=-4?, *=-4?/

[illegible]

!-' &-4?>0->KE4(*)&' &-4?C0-.K**4(*70' -4?' 0-.K?* 4(*7 +'

[illegible]

-4? 0-4 2(D@' 7 (3' '(@G' -4 (D-'EL7' 7 -=-4?'7 -2=' 7W' L7W-0=' -*D' 'W*6 E [?()7E0(34-' 1L4 D(*7 /

[illegible]

!-' &74? 0- >(*' ' -4?@0-4+. =?' , ,

[illegible]

-45 - '73=' ?701'7?' 0' - 0>0- 447 <' $0' ? 7W -< (?*-0' *- ED(*7 ' 7' -4? 0- 7 .**7-1- *'^' .6" >2' -4? 0- 7E 74 ??' ,, ' ,6- D-' 07 7*42 7 K4+' "

[illegible]

-4Z 0- 4: 0 &>* 7R* ' 7 (3' '(G' - E D([*7 '7?7 -=-4?'7 ->X 7W' H 44' -*D

[illegible]

7' -4? 0- 1 > D *70+'

[illegible]

-4? 0-L-244- D+' 9 % ' 7 (3' '<G' 6@ TE(4*+' ,L7=-5=-<' 3I0 K(=-=/'7?' 1K 1(<-' EL' 7? 1E*E(44+' 0-L-44 K' 174-DE4-=' 70'(*71=' 7' -4Z' 0-L-. - *' 1' -4?88-L-S K' MKL?' ' @

[illegible]

-4?)-L0-S = 7 ' 7 (3' '(G' -L0-=7' 7?7 -=-4?'7 -2=' <-=0-=' 7L 7 =' -*D' 7' &$4?' 0-L0-. -<')-L0-.== =', ' $L ' D6(0(D*-0 I-<' 3+'=-4? 0-L0-== 7

[illegible]

(-4?)-L07(.D6' 7 (' (G ' -L07(D6' 7?' 7 -=-4?

[illegible]

!-'!@, C@JC- B@D 2!@, C@JC- -B+,Db'
!@, C@JC- B> 8B@A-@ C@JC- -?A.,GZ
C@JC- -B A.A@ (
5N ' , !' ' 0' ' ' !> B' '? A'? G', @'
@, VC@JC- B@D' ;KM<' &' 9 ' > $-' &- ' '
QQ'D JJ- A+@DZ D)C@ @DZ D@ J-AD A.Z AD' @C @,G' @, '
C@JC- @A > ' S)=' # M ' $.' '92' !@, VC@JC- %B A.'
-A @A @' ;8 'T ' -(&C@ 'J'SS SZ -' B@,J'B ?

A@ ' -'D,@A@ ' "'8 " ' &-' $' '&' . 4 '
LNM " ' @, VC@JC- B?@A+' -CD->E+ A.'+B@' -CD
-4? 0-L07 .?' 7 (3' !' $@JC--'7?'-A@+'
@, ' !-'!@, C@JC- ,'K@, C@JC- @D',,4'
!@, C@JC- A '" 4' AD',,4'
;QQP' !'T !%' * %'+B@' C@JC--'-' -A @A@' K!Q'
' 0' $'&' $ ' ' B@' A.> B' JC-D> @D'EG'+B '
@, C@JC--' ' -' +C-A.Z+B +' J>+'?G'B AD' >DD@A,G'+-'
?G' -C@B@ D' ;K=Q' ($' ' ' ' (' '=0' , '+B +'
J C+' -' ' -C,D,G' +C->E,@' B B' -A +'-' @, C@JC- , '
;KOK LL' > ?PN % ! * (C@JC- @D'EG' -A -> A@ '
-C' -A@'-' ?' @A @'-'.>,+' ;MNP ' $ ' '=' "@'
>,' -' ,+@C +-A)' AD' @, @C@JC-> A.' ;QQP' !'
* & ' 'C@JC- A.'-A@' "@,
-4? 0-@.K (D- c & $ 0 0 =*L'*< G'
-4? D7 *0(< D*70+ TE(4 *+' 70 D6(0(D*-0' 7' -4?>'
0-LE.@1 *E*7+U' C4Z 0-L 5K (7*' ' =-4? D7 *0([
< D*70+
;M=<' 3 -+' ') ' %'V ' 'P' ' B@' .A-C? @' -C'
A-+-C->'EGJ-%C @' AD' @, @VC@J>.A A @' - '->C'D A ?.'
/ A@ ' ;)=' + ! ' *) ,(C !& /' 9' B@G B @'C@Y
->C @'+-' .@A+ Z E D A , @' A-' @, VC@J>.A B G'
+B@ C' @CG'A-+ -A Z))AG'- '+B@'*>D ->'+B AU' >E + A+ , '
-C? ' AD' C@ ,' I> ,+@' D-' ;QN;' V ' $!' & !' ,
' LL< 5-C'A@ @ CG'+C>+B'+-'E@'+B@'@ @ +'- ' -D' ' '?- +'
A -A +@A+' @, C@J>.A A+' A-+ -A' ;KLP + MV V 'C$ $T
; L<K' A' CE +C CGZ' @, C@J>.A A+' B@?@' E ?<G
7 ' (" ' $*.(S ' 8;KP<(O;K' B Z +' C?+ !.B+2
? G' JJ@ C', U@'J C D-S' ' '+C> +'G->' ,' --A' D?+' @?+'
+B@' ->A+@*'D- +C A@' '@, C@J>.A A+
-4? 0-L .4=7 '9' .(:' '(G' 6-'
(D*7 '7?=@ 0-L-4 - *'17 4-D 4-'70 (E3=*(4D-=' 7'
!@, S@JA , , @'$0('=-4? 0-L-44- *' T
;KL=' J ' , ' -(' E& $!0' JJ' PML' B@' D D>+'
?-,@ >,@' - '+B@' . ' C@' +B>' '@A E,@'+-')>?!'+B- @'
J- + -A Z A' B B'+B@ C'?>+> ,' @, C@J>, -A' '+B@'.C@@+'
@ +'J- E,@' 1 0QN ' . @A' ->?@'- ' +@ ?Z)+ +J'
+B@' ?@'A>?E@C' -' @, C@J>, @'?-,@ >,@ Z ' ' ?, C'
->?@'- ' C' 1 (QL' B@'?-,@ >,@ '? G'E%' >JJ- @D'
+-' @S@C+' ' @, C@J>, @' A ,>@A @' -A' @ B' -+E!C)' !WLQ'
O M ' '),0 (Z ;Q' J A> 'D@ @D'
?@+B-D'- '@S ? A A.'+B@'A +>C@'-'+B@'@,@ +C +GZ EG'?) A '
-' B B'B@' @C+ A@D' +'D +C E>+ -AZ AD' ->AD'+B +' +'
.C@@D' +B' > B' ' - '@, C@J>, -A
-4? 0-=L-2 *' 0 '=- =-' 2' (3' '(' <U' '
=- =-=' (' (<' ' (3' ' < M'
'L0)(*-'L-0=7 (4'70'=-4?=6'- <' , 6 -?4+'
U' D?' (3 ' +'
;MSL' J $ (' '(7 U '8;MOP('=MK 3 @A0 >E @ +'+-' ,'
J -A)' A C?+@ Z @, C@ J@ +' ;M3'" ' ($!
:;' LN ?J C+ ' $@ ++>D@' AD' 6 JC .B+A@ Z +B->+' 3,'
!@, C@ J@ +' ;MQP' (M' A' "'$-.@C' ' 8;KML(' '4=;'
"@' 'A-+' A'>AD>@'D@ A'-C',@, C@ J@ +'?' +'+
? ;' -4? 47)-' '=-4? D7 D-*'
;MPQ (M9 'V !E' ' 0&C@ Z 3- +'?@A' C@+C A!J ++@D'
+B' 'JB , >+G'-C' @, C@ J@ +Z AD'B @'@A -> Z @ C Z+-'
B@ C' ,'C@J-C+'-'-+B@C
<$ %07L-0'0-K(0<'?70'*6-'< K *+'7?'7 -2=' L-0=7 '
70'7 -2=' L7=*7
3GL^* I'9) 8' 5,) 0' 'LPL' -'B@C'.> ,+G'E- @C'
,,>C@D'B ?Z >AU' -',- ' A'@, C@ J@ +' '+B@C@'+-,A.@C'OK=<'
' ' ,' !' ' 0' ' '; ' M;<' B@' -C+ +>D@' A-' 3-A?->+B'
'A-+'+B +'B.B@ +' -C+' -' -C+ +>D@' B B' 'D@C @D' C-?'
C@ ,@ + -A' AD' +CJ?' @, C@ J@ +' OKQL' 5' (' ' !0'
LML' 3> B'+--' B@ J' -C' AG'J@C -A' -'JC-J@C @, C@ *J)+'+-'
AD>,.@'A' ' R' + ' $*!0' ' 'Z B A.'
B BZ ',@ +'>AD-A@Z ->,D' > @' '.@A+,@ -? A'+-',- @'B@C'
@, C@ J@ +
7' -? R-=L-27*?* 4' ,6- D-' 0-=L->D*?(4G 3 0/'
-4? 0-=L-27* ??'**!('$(
);K<N ,$ -'"444 ' ;)00 " ' +G,)' B ,@' C? Z'
C@ ,' @, J@ +>,' +B'+B +'C@+ @A @' B B'?' ? AA@?' @'
@ :'EC@@D A.' AD' A' C+'D +A + -A ' ;<NL' ' +(
NNL' B@C@' ' ' D .A +GZ ' @, C@ J@ +?,A@ 'T A' 'D@Y
?@ A->C'+B +' '?- +'?JC@ @' 4QKMO6$!' *&' ' '
Z B@',> UG'?-?@A+'+-' ?JC- @Z AD'+> +'+-' +-JZ AD'+> +'
+-'?- @Z 7 +B' @6 C@ J@ +A.' C+' 4KOK 8 .' &

AD' @, C@ J@ + A.' .C +G')
* :6 !A1!') ' Y .6"' ' a' $@ +C A+'
J- @D'EG' -A@ @,'>J-A'-A@'' + -A Z @+
>!!' ' !' !* $% ' 'C@ +C ?+'C-?'-A@ '@, ' 4K=K
" $' %' ,)(' 'e' L'8;KQM(' << ' 'JC>D@A+' AD' -AY
@A+->' ' @, C@ +C A+' ;KQ0'R M 'C!$ ' '<PL' B- @'
A ,D' B-ZB C A.'A-' @, C@ +CC A)' C'"'A-+',@ @'- '+JC C'
B E +' A+@?J@C A @
!-' * !6 1:'D!!D!66' **E
$B0'? CU@D'EG'-C' A -, A.' @, C@ +C A+2
XSQ3' F ! ' !$ ' ' L<K &- @CZ @, C@ +C ADZ +E@'
J@-J,@'E@ +'-E@G' SKMS'O ! ' 0 [0<&& * ' '
;<L' "@C'+-A@' ' -+@A@DZ AD' B@C'E@ C A.'?-C@' @,
C@ +C A@D' SK K!@ O ' T !%3 $ ' ' (1@ +C DA'
A.'-C' -A+C-,, A.' +@,' ;K=' ' & -$' '
' ' 0'4;Z9#+'MP' -'+' ^ J E,@a -' ' +@ D +' D-?Z
A-C' @, C@ +C A A.' C+>@
* :6 . I 1- %' '*'!0'$0' G '1D' A 1: %'
E) ')'12!)' * ' * :6 A 1BR)4' !0' 0
1)%' * '!0'$0'*K:6 A 1B:/)!
4<NK) !&&.'+-'# +' =MO ;' !@@ A.' ,' +' +C A.@' E@ >+G
: O$: $

A ', +@A A.'+-' +'?G +@C -> ' @, C@ @ ,A@' ;KL<' '
0') 0?' ' e'L' OG' A + -A A.'+B@',> ,+' -'+B@' @, '
C@ @ BA.' J C+G' ;KQQ' ' C.!& 0'V$' 'A'S ' M=P'
;K<KQ. 7 8 ' ' 0'- -$' ' , ' 'e'L KK' A '+B@A'
+B@'JC ? CG'JC--Z+B@'@ @A+ ,'@ D@A @'- '+B@'A CA + -A'
+B@' @, C@ @,+ -A'- ' J@C -A'+-'J@C -A
7' -4? 0->)-4(*)-$' 74? 0->)-4(*70!' $ B (
SKKK ' ," ,!0' ? 0 4 4 'L;O0 !@, C@ @ + @'J .@'
C@' C@I>@A+' $' '8%B .' OL' # + Z ' >JJ- @'
+B +' A'+B@' @, C@ @,+-CG' B C +@C'-'+B@ @'A-+@Z ' ?'
E->AD'+-' G'+B + ' ?',XG
!@, C@ CD ' 0 4R*' ' '3G' -W(0< <-0)-<'
?07 1' 70' 6-0- *' ' *=-4?' 7' -4? 0-W(S0<-<'
c0-W(S0<4 0',,' .
;Q=' B 7' 0' Z ,'OLM 7 B-' C+>@'' @, C@ CD' -'
,->D'C@ ->AD'7 ->,D Z C+>@Z B ,@'+B@G' -?J, ?@A+Z E@+C G'
SK)' 3 ' = 6)' !!$ '!@C' ;' OO<' "@C' @@+' AD'
, ' A.'+@?J@C' ' ' @, C@>C CD@D' ;Q=N 1' B). ' A
: ' />A--?E@' 0'8SQQL(' ';=N -'J@S ?'?'+-'G->' ,'+B@'
) @, C@ CD A.'D+>@$'-' . -D' A@ .BE->CB--D ' SKMO' + '
' $!' & ' 0' " ' ' O=W 'E@A@ -,@A+' + -A Z AY
+@ D' -' EC A.' '+) @C +' ?' +@ CD A.' ;KQM = U.
E'20' -(S 'OP<' C ++>D@' ' @, C@ CD A.' C+>@
-4? 0 @-6*+' ' 0 **@ ?70 1(*7 ' ?' (3'
V G' <' 0 K6*' *=-4?' 7' -4? '
0 2K3*-<U' -4? 0>??6* '(' =-4? 0 K6*' K'37(*
KKS' $!"' 2 'O;' : A'P K B@' -C -,U' @E- + '
' ,A-+' @, C.B+' '>J!@+' SI-S " '8
(@+ 'X-' '" @' 5C-?' +-C?' AD' ?>+ AG'@?@C.@D' ,-A@'
)!@, C.B+@D' C-?'+B@'DC@ D >,' @, >CC@AD@C' S-)' &) T'
! ' ('?&"'>' ' -'MLM 7 B@A' 'T' @,'+.B+@C'" '>J @+'
BG' 'B@ G' @)'B@C' C@ '?' G'E@'+BC- A'->+
!@, C .B+@ -A!' ' 7 0 '3G' K6*-7E='
7 -2=' 7W' -=*--1
0'$% +' ,"' & ' %& %' ' ' '8;K=Q(;P' B '
@, C.B+@->'+@?J@C' ', U@' A'@S+@CA ,'E@ +'.-+' A+-'+B@'
E-DGZ B B'JC-D>)B' A'B@ + ',)@C' ' S)' ' = '
' -0 $0;'XSK &B C ' ,)' @, C.B+@->' ' @ ' AD' ?-Y
+ @ ' K = % ')7' *-$' ' + '@--' @.,'-C' @, ,
C.B+@-> ' +C A.' +@C +G' B-, A@' ;K<O'
$ '#\' " ' @ @C +G' 'C ' +@D' -C'+B@' @, C.B+@->.
7' -4? 0>K4*-7E&4+' "!.' &-4? 0>K6*-7 ='
-==' ' *6-' D7 <*7' ' 3- K' =-4? 0 K6*-7E=U'
0 K6*-7E= -=' ?70' W6 D6 -A@K)-' 7 -=-4? D0-<*
43S -0 < 0(' ';' ' ' ' , A+'J-, @' C@' @, '
C.B+@-> ,G'D > A.' 7B@+B@C' +B@G' B->,D' @A -C @' +B@'
,-D. A. B->@', ' S ' 9Q ' & %(' ' ' -' $DC'8;MMK(
'L'EZ B@'D@J,-C E,@')>%!' I'!>J@C ++ -AZ @, C.B+@-> Y
A@ ' AD' AS @+G' -'%-A @A @' ;KLL' 9 ' A' %
8;KMM(: ON<Z ' ?D@C + AD'+B@'D @ B B'G->' ' ,@,
C.B+@-> A@ '+B->.B')@' -CD' 'B SD,G'G@+'.--D' A., B'
X)L' 8 B ' C & %B'C& '8;K<=(>!' >A -AY
->'?' @ -,@A @'- '@).B+@-> A@ ' B B'D +-C+@D'+B@'
C+ ' , JJC@ +-/!'- @C'3 >, G
-4? = 2K(* =' "3'M;' ? W :'3G' ?'('
37(*P' 6-' (D*7 '7?' *K6*(K' *=-4? (?*-0' 3- K'
EL=-*' 7' (
SK ' 0' % T1& E' ' (8& C+)SB E('A'? (-0'
& -*0'8;KPM(PN' B@'J- @C')' @, C.B+A.' '>J @+' SK)'
,($ ' ' ' B@'A@' ' ' @, C .B+A.'
, @E- +' ;KKO' ' ," .!(' ? ('4 2'PQL ;' !>C' E- + Z AY
J E,@'- ' @, C .B+A.
4K<4 - ' ';=: A)'P L' B@' @, C .B+A.'J- @C' B B'
OC + B' -A + +>+ -A'D@C @'C-?'+B@' E -,>+@ C@@D-?'- '+B@'
J@-J,@
!@, C D ' '(G' (D0?D-' 7?
7 -=-4?' *6-'K) K'EL' '7 ->='7W' *-0-=*='6(L[
L -=' (<-=0-=' 4 ' *6-' =(J-' 7?' <E*+' 70' *6-'
W-4?(0-'7?'7*6-0=
KNP' 9) 8'C& - ' -(' '&') "'P=' @'>A+-'
?@Z ? D@',- ,G' @' B@' J C+- @, C @' 4K=L': 7 R
' 0'8;KQK('S-+' 7 B +' ' +C A.@'?G +@C G' '+B +' -'
?>+> ' C - @-+-'@S +' -C -A@'?-?@A+' -C' A-+B@C'
SKKW#' = B' "** ' 0' 0 ' 'e'Q OOM' E -,>+@'
@, C @'- '+B@'J -A' AD' ? A++-A
7 &-4Z8=(.70 ?7-<' ,!' , U' &-4? =(.70 ?D-0'
(' =-4? =(D0 ?D K' L-0=7 U' &-4?>&(70 ?>7 (' *R' $'
-R*U -4? =(R0 47 K' ' 'L((J K'(=(D0?D-'
7?'7 -2=' 4?-' -*D' ,W6- D-' c=(.D0?D K4+' $ ((
&(>D0?7 K -==/
$';QS;' : 'C *$ $ '&-@+'7U ' 'KL' !@, C '
'D2'B '5 +B@C' 7 ,,Z AD'-AC $@D@?J+ -A'+-'>, ' ;<NN
' , (' 'C& - '>'C$." ' * ' ('&' &' '3 CG'
$-.@C Z +@ CD@ '- '+B@'!+@,, Z3 C B'LN2;K<<Z @, CY
@D'EG'C A.'>J'B@C', @ E@,+Z AD' -,>A+ C,G'-.A.'D- A'A'
+B@' AU A.'B J' SMMK'"'=' 0' $!' .'LL3':' =MQ'
3 C+C AD' !@ ' C @C '+-'E>+' -'@ A+' !B D- '- '+B@'
C +'>A C@ +@D'&@C@ @ + -A' X*3L' $0' 0"#' JC'=0; O' +'
>> ,' -C'+B@' @, C @C'+-'B@'' -A +@A+,G'?@,-DC ? +

$!!$' &&.6)'C$ $ 0'='C !'8@ 'O(;=<'c! +'JC@ ->' .B'
'J>C@Z c@, C A.'-@' K<Q'<. ' (' ; ;='
A'+B@'?D+'-' 'B.B' AD' @, C A.'@A+B> ?Z+B@'
C@@U' -@CA?@A+' AD'J@-J,@'B @' B- A'.--D'@A @' SKK'
$', '8%B .-('P8 .!'c!@, C A.,G'A-A D@A-?'
A + -A ,' A' ,'D C@ + -A 'SKQ+' $ $,0 S'8;KQM(OL<'
A' <@, C A.@ 2 A'+B@'-CD A CG' A+@C -> C @'-,'
? A,G' -A '+B@'D @C@A @'E@+'@@A'E@A.' @,' AD' ,'EC@DZ
+'!o, D2) ' T' YG' .6' * &'(' -C'
$(B)'* *!0'$0W' !@, +?@
#Z> ! 00 $ -('C$ 0'"&.''50';L ;K' -' @AD@' >C+B

+B ',G @'->+'-'+B@'E-DG@Z AD'+-' ' . GA' +B@' ?@' A+-'
+B@' @CG' @, GD' E-DG@'8-C.' &,' *) -' ,& *) H0 ;PQ<'
. ') *) '8 CE(' >@A' A'+B@' @,@' D'?-?@A+' +'
'E-CA@ '+-'D@,>@C'+-' ' +C >A.@'A>C @
-4?=(1 - ' ,=- 4?=@1/' ' ' 7W '
070 K'*W7W70<=' ,=-=' .6' ' 'E'20 ' 'D'(< '
'#/U' =E3=-TE- *4+' W0 **-' ' (=' (' D71L7E <'W*6'
('6+L6- ' 7W(=' 7 -'W70<' ?' 70W' (' "'
7 V' '(<)' ' 'ME=*'*6-'=(1-'W(+G'
' . , 6-/')-0+' =(1-')-0+' <- *D(4
,'$&+>')7' &''='' ' 0'L<<0'!B@' 7 +B'+B@'@, @' ?@'
>@CD@ 9 C'BGC' B C+' @ @A' + @GA' ;LL<' . '8 C@ +C'
0' +';L' "G' @C> >A+' 'B@ ,@D' A'+B@' @,@' ?@'
B->C@'Y ' ;POM'+B + ' ?@Z ;PL='+B@' @,@Z -' ;PKO'
+B@' ?@a' $J>J' ' .)' $ &2'&%' 0 8;MPL(KQ B@'
@,' ' ?@' D G'+B +' DC A' ' ?D@' ?J@C->C'-'$-?@'
>" ' ' 'L' ' 0' (.' Q.' XM' 0-+B'-'G->'C@'0 CD '-'
@,@ ?@'5@ +B@C' O%J>' = ' " , $ 'OL'7 @' @C@'A>C +'
>J-A'+B@' @, ?@'B ,,Z5@D'+B@' @, ,- U' $%%&' B . '
) 0' ' 6'O;L' AD' +,,'B@' ' A'+B@' @, ?@'J, @Z 7 ,@C@'
+' B ' @++A.' ->+'B@' $>$+' ' $!' ' - ';QQ'%'0
B@' @CG') ?@' + -A'D-A@'EG'D @C@A+'3@A' A'A-+'
?@C'+'@C ?'/@.C@@'-' JJ, > @' $> $' 8 1 ' 1!0%0
LKK' "@' +C-D'+B@' @CG' @, ?@' .C->AD'G->'+C@ D' ;KS<
< ' ' - ' 0'8;KOL(' 'LL;' A' +B@' C@@U' -C . A ,Z
+B@' @, ?@' JBC @'- >C' A'@ B'J, @' +B->+' +B@' @,
D)@C@A @' O JJ !! >' $)0' '&C GZ , @Z
JC G'?G'- A' @@+' @Z B + ' @'? G'D@'+B@' @, ?@'D G'
O OJ ' B ;B 'C$- ' 'LLL2:' ->,D'B CD,G'E@,@ @' +'
' '+B@' ?@' :>C 'O@U' B-'B D'E@@A' >B' 'E ++@C'@A@?G'
+-'$> 0>+' +' ' '+B@' @, ?@'?A
:8' ' ' ' ,(0D3/' '
O/>+' . 7 . '),! 'EU' 'J- +' 'Q' B A.@' B B'
C@'D->E,@'+-'-A@' AD' +B@' @,@' ?@'+B A.Z C@' @I> ,'+B@'
-A@'+-'+B@'-+B@CZ S)'< .) 7' &-$" 0 8;P<O(#A@'
@,@ ?@'%C@ +>C@Z B B' +'-A@' @,@ ?@'A + A+ZEG'-A@'
!@,@ ?@' ->C @Z AD' B B' -A@' @,@ ?@' I> ,+@' -'E@ +@Z
D-+B' ,'+B@' D'+B A. ' $/ ' ' ' a$ 0' '=' '!D'
A@ @' -A@' AD'+B@' @,@ ?@'+B A. '"-' A'+B->J'D +@
! DA@ @' AD'?@, A B-,G' SMXS' . '%)' , 6+E@ @'
-CU@+B'+B +'-A@' AD'+B@' @,@ ?@' J C+'Y9 . 6'-A@' AD'
+B@' ?@Z . !'@+ '+B@' @' ?@(' 4MLN 0 6& '&'>'
V ' 0' -' &- -2@ NL' " A' A'-A@' @,@ ?@' @,DZ E-C@'
%-?@Z A@ Z AD'5C>+C@@' 1 0' ;;Q' B '$ @C' 8 '
!@ @?@C(C @+B' C-?' -A@' AD'+B@' @, ?@'3->A+ -@
-' L0-<D(*)-'E=-' 7W
S)' (0 8$B@+?(' "@E'B' ;0 B->' C+'+B@' @,' ?@Z
AD'+BG'G@C@ B' A-+ ,@' $! ' &' $' ' ;M;;
+B@' ?@aZ &'- . 'C) *!' !0' Z B@C' ->,'
@, ?@'A'A@ C@C ,-' @'D D'.C- Z 'SMK-' 3)7' - (
8;Q0<(' D' B@' ' +B@' @, ?@'B@C@' SKM-' B
'(C &*.0 QQ' B +' @' B->,D'E@,@ @' A' " ? ' "@'
7 B-' Z +B@' @, @S +A.Z ' ?@' $ >+'
&,(' &E0 ' ;=K ' G ' @, ?@Z, U@'+B@' UG
? ' ' 70' 6-'=-4?=(1-'L-0=7 '70'*6 K>U
0(0-4+' (=' ' <- *D(4'*6 K=' !
=0;' Cd) ' '&'C& - ';LM QL;' @+'A--A'B-> E-AD@'
+BGAU@' +' B ?@' B-.B'E ' G'D-'+-'B ?'E +' D>@' ?@'
%4PPN %I $/ 0' $ 0' $, 0 C A ,' OC@G' @, ;'DGD' B@'
#CD GA@'B W J- +,@' AD' A'+B@?' ,'+B +' B->,D@' > @D@)'
+E@++'+'JC@ +@'+-' @C' J'+B@' @,@ ?@' ;PQ='+C' $ &T'
' *&,$ * ';P :'+B@' -CD' ?'+B@' C +' AD'@>)A' :'+B@'
@, ?@' ?' ,- 6B'+B@', +Z S)'9 ') '&%'
&)$'8 CE(=;' B@' >+B-C C+@?' C?A'+B + @A @Z BU?'
?'+C A , +A.'+B@' @,@ ?@' F'
$ &'/@D Z1->'C ,'C@ @ @'E>+'+E#' @>) '?@'EG'
>?E@C +?D'EG'3@ >C@' B BZEDEC@ZG->'B DBG'7 .B+'
!QN4'(* ' $!' & !' ;' 'PN B +'+B@G' @@?'+-'E@' '
-' J AG' @, ?@ Z -' ?' AG'C@JC-D> + -A'#'-A@'+B A.' '
- D-' -4? *(. - -==' <- *D(4 -==' <- **+
PQQ'?)!!' C' ,$ '8;P<O(MO< B@' ??+ E,@' @,'
)?@ A@ W@'-'+B@' C A+@' ;P)'F' .) 7' &-$"' KQ'
B@C@'?>+ A@@D@'E@'@>@C'E-+B' ' @, @ ?-A@' @ A@C' ,'
A'-+B@CA@ @' ;ML<')' 7 !'@+' 0',&' 0' ! 0 8;MP;(
;LO' ! @@+Z JJ@Z AD' :'+B AU' -,@Z ' '+B@' @, ?@A@'
B B' C @' C-?' J>C@' J A J,@' -'A +>C@' ;KQM 5' " '
)I'X 0 ') 'P' B@' C + -AD+-A' ' ' '?G' @, '
?@A@ 'V ;' ?>+E@'+BC->.B->+'-A@' D@A+ ,'J) -A' ;K<L'
] ' * $ 0 -' $!0'S' ;;L' !@, ?>+E@'C@ ,
AD' B@A @'-?@B-' A')A++ ,' @,'?>+E@'C@ ,
-4? =(* =5 .D* 7E ' 0?71-<'(?*-0 -R* P' 6-'
7 <*7 '70'TE(4 *+' 7?'3- K' =-4?*=(*=4 -<
!GJG')) ' $ 0 0;;Q'7@'D @C'C SA'-A@' A-+B@C
A'@ @CG' C >?+ A@'-' -AD>+Z + +@Z AD'@A+'?@A+' +B'
@, + +-A' 5 8 9 !' $'0 $ 55 (
-6-7 A.'B 'B@ Z B-'C-D@' G' A'.C@ +' + +@' AD' @,'
+ +-A' SKKGJ ' -0OP=2;'B @'A@ @C@A*-G@D'
7' @, + A' A' AG+B A.' 'B @'@ @C'D-A
-4? =(2* =? -< YYY '(' 7 (3 '(' G' (*=? -<'
W*6'7 -=-4?'7 -2=' (D6-)-1- *=-*D' 1(0J-<'3+'
=-4 =(*=?(D*7
>! #' 1 ' $'' '=0 -'0 AD +' @C @Z A-' GC A+'
? D'gC+B'JC D@' -' @CA'D' "@C?+Z C@ +' @, + G'D'
O AJ ' A) ' '' 0'S' ">CC@D' GZ ' +B@' ? -+'
>+ -A' -?@+?@' C@Z EG'+B@' @, + @D B>?->C'-'+B@'
?-?@A+' ;KLK ' 0' 2 'SS ' B@' @, + @D'
? CU'-' ,)' -EG'%C U+' ;KQM' < $'0 (
' SSS 'Q=#A@'?> +' C@' -C'+B@?' ?-C@'+B A' -C'+B@
+-? -C+ E,G' @, + @D
-4? =(.* =?+ 1 K' ' ' 7 (' ' G 6(*'
(*=? -=' 7 -=-4?U (?70< K'=-4?=(*=?(D*7
;MQ;'=. . ' LNM B@G'C @,'?-C@Z +,,@ 'C@ -, 'D2
O>+'A@ @C' AD' @, + 3A.' ->+-A' ,GOS' 81 ')'
Q' B@A' C@ @,' ,' @6 + C A.' B@?@Z ' @,, E> ,+'
G +@? ZJB ,- -JB 'DC@ ? ' $ AJ' : . -0 8;K=K(
=0 B- @' @, + GA.' +B->.B+Z B B' @'D- +C A@' - '
>C A @Z 'A+ A> ,G' - +@C A.' ?-A.'%BC + A
-4? =- 4.0-' ' ' Y .6"' -G E0-'7?'7 -'
=-4?'7 -2=' L7=*7 '-*D
$'$>++' : ' "-'& &'&-@+'7U ' ;Q'"@' @, @ >C@'
+B->.B+'B@' B->,D'A@+B@C'A@@D' ;KL=' $!>' $ @C' @,
B@' ?-+' C>. ' AD' @, @ >C@' - ' @C@ .A ' ;K=< 3'
.)' $. * $;N' !@, B--,@DZ @, AA@DZ @, Z
B-A->C@DZ @, @ >C@

!-' !@, @@A S +G2

[illegible]

!@, @@ a @C' 56 / %' 16 ') & D' #A@ @'

'@!')' :61 L') ' A)' '* :6 3!)4

[illegible]

!@, !M@ U A.Z' ' 1(Y .P" 'B'Z'

Q' *' B@' @@ A.' +@C' -A@' ' - A' @, C@'

E@ -C@' +B +' - ' -+B@C)' JC- @ >+ -A' - '@, B' @AD

[illegible]

!-' !@, @@'U A.'** '$(

[illegible]

'!@ 3 J ' 1($ (^ ' .6' 1@'a" 1 V'

!@, B--DZ' J@C -A , +GZ' AD D> , +G

[illegible]

!@, , AZ' *$0' **.0' AD' **!0' $0' Y 4" Oa'

!, A' EG' -A@' ' - A' B AD

[illegible]

!-' !@, , Q @CZ' @, ?>CD@C@C

[illegible]

!@,), + *. A+@C' Y .6"', *)! 5 3 6 0 / 0

[illegible]

!-' !@, , > B+@C@D '+S2 @, ?>CD@C@D

[illegible]

!@, - @DZ' **!0'$0' $ 0' f' A@S+

[illegible]

!@, - AZ' *$0' **! 0' AD' **!0' $0' Y " O'

%' ' # ' B % ' '0' !- A' EG' +@,' +B->+'

B>? A'-C' A ? ,' .@A G

[illegible]

!@, >E +@A @ ' Y .6" P'E a' B@' !> , +G

-C' -AD + -A'- ' >E +A.') -A@' +B->+' D@J@AD@A @'

-A' -C' >JJ-C+' - ' AG+B A.'@S+@CA ,

[illegible]

!-' !@, 0>E +DA G' !@6 >E ,' +@A+' $0'

AE +A)' **!(' $(

[illegible]

[illegible]

* :6 * . 1B U !1:0" '] ' D'

!A %'6 /') ')' 1)2

[illegible]

1) !1::6 ::

* :6) 66!B %' 5, ' ' 56 / %' 16

) & L' ' ," '?+' '

[illegible]

* :6) 66!B % 2 '_6 / %'1') J' ,!6 , D'

') &

[illegible]

* :6) 66:&!)" ' 6') &' " ' 2'L' !)'

), '!'1')% !)4' ^ '$ * , $0W

'-@ 'X)1:! E' '2)%! !)' 6' !)4' ' A '

2!, =-J 1' '!)' X '!L' *0' 1'1)'1 !) ' 6'^ %

[illegible]

!)'

[illegible]

B6B ' ' 66!2!)2E' 6 ') :6' %' ' $ 0

[illegible]

* :6 * [>:B ! ! ' ' G ' ' L' !)') ' !"'

)% !)4' ^ ' !%$, !8 D

C' * 66!2!) '!)' '6' ') :60! :6.' ! @ '1!%'

' $$ '6' /' !% L' 1 :' ' $$:E') B') %'

) :6' = ') ' 6'$)

[illegible]

'<)' 1)' /61A) 1 :') J' 1A!)4' &2 !A '

2)6!%)2' !)') :6') '$ ' 2 L' 2@1 12"

!N %' E' A)!)4' ' :6 2)2 ! % $!)!)'

@1A!

[illegible]

* !6 B !) 'b' ' 7 ' '1

[illegible]

* :6) 66!B !) 4 ' *'!0' $0' 56 , / %' 16 '

' ' +' ' ' 1)%'

[illegible]

* :6) BK!) 4!& 'S'*6!CG GG!2!, + '!'1

[illegible]

! , A . . @ +@D Z' * * !' $0' Y .6" Oa' !>.'

.@ +@D' EG' -A@ @, ' > @D' EG' @, >. .@ + -A

[illegible]

!@, A . . @ + -A' Y .6" L'E a

' , >. .@ + -A' C A.' - ' + '- A' -CD

[illegible]

!>. .@ + -A' +-' -A@ @, ' +B@' ->A+ CG' S A.' A'

-A@' ' - A' ? AD' -?@' D@' A' -CD@C' +B +' +' ? G

+@C CD' -J@C +@' >E -A -> ,G' -C' >+-? + ,,G

[illegible]

!-' K@, <6 . .M' + 5@' 8 ' !@, >.C.@ K+@CZ' -A@

B-' J@C -C? ' @, >. .@ + -A

[illegible]

@, '\+>JJ# ! ' Y .6" ' a' B@' +' - ' >JY

J-C+ A.' -A@ @,' 8 + @, ' +B->+' @S+@CA , + A @'

+B@' +' - ' E@ A.' ' !-' !@, >JJ-C+ A.' !-' !@, >J'

J-)C+@D' * * !($0' 8B@A @' +CJJ- C+@DA@ (' !@, '

>JJ- +@C'8 @@')-+(' (!@, >JJ- C+ >.'**!(AZ'

>JJ-C+ A.' -A@ @,' 8 + @,F' +B->+' @S+@CA ;' DZ'

8-' ' JBG ' -E*@ +(A-+' C@ I > C A.' +B@' > > '

>JJ-C+Z' 8-' ' A' @A+@CJC @(J G A.' + ' G' !@, J'

>JJ-)@ 'D2

[illegible]

K@> ! CCK ,DMC ' Y Q .6" '\a' B@' >CC@AD@C

-C' . A.' >J' -' -A@ ' +'- ' A' A ,>@A @Z' @? -+ -AZ'

-C' @' , U@

[illegible]

"@A @' !=, >CC L D@C a .' !0' $(

[illegible]

EG' -A@' '- A' J- @C' -C' @ ,EC ' = $ %"' A' 'JBG ;

@A @(B@,D' >J' 7 +B->+' >JJ-C+

[illegible]

!-' !@, ' ? mC' * * !0' $0' 8E@AI@' > + + .,G'

$ 0c+3(!@6 A + A?@ C+' !@, A +@ @'

! 6 +@>+ + #A

[illegible]

* :6 1)4@ '**!0' $0' G 'Oa' >.B+' EG'

,@ @,' +B->+' D' C-?' -+B@C' ' @, @D> +@D

E' #'+B +' B B' ',@ CA+' I>C@D' EG' -A@''

?'>A D@D' @BEC+

!@, +- A>@A+' Y .6"' a' -C?@A+ A.' -'

,@ @,' !-' !@, +-C?@ A+@D'**!(' $ ' !@,I +-C'

@ A+ A ' 1!0' 10' AD'**!(' $ ' !@, +@C?@ A+-C

8- '>@D' +-' C@AD@C' +B@' ++,@' -' @C@A @' ' J, GZ'

$)&' %&)' ' &H

* :6 ' G ' ' a' +'

* ' @, +C> 0+ L C' 1!0' 10' 1)%'**!(' $(

+'!@, >A@DZ' *$(' **!(^' 'a' 5' -'

>A+@D a' 6A+)' -C' ? D@' -A@' +B' +@,

'!@, -,@A @' 00' G ''1D' -@'

:1E!)4' 6' A! :)' @1)%' $)') :6J 1')$:!'

/! !Z /'6' 0$

!-'+' !@, -,@A+' $(

!@, AC CD' 8@,)D(Z $, (AD' $0' %B@,G'

E((^' ' 1(i' 1 ' $ 0' - CD'

-C' A'+B@' D C@ +-A' -' -A@ @,

0' $ B0' @AD A.' -C' D C@ +@D'+- CD' -A@ @,'

"@A @' K@, *D+@

i'!@, @@>>.Z' !0' 0' 0' Y .6"' 'E a'

!@, -J A -AZ' @, -A @+' !-' !@> @@A A'

**!0' $((@, -J A -A@DZ' @, -A @+@D

!@, 6 2' 0' C -?' @A+' ' # ' !%$' !'f'

3 #" ' !1:' !*))!!&(' 3))E!

8 '?-D @C', !1 2 !!+(# ' B$!%&!'8 I' 3! Z

$!% !(' ' ' AD' C ' 10(AD'

1 !'- a

' '# Z3 ' !%2 !! '8 D E'.@A(Z -,>A+ C,GZ

-'-A@'' - A' -CD' 3 ')' !%2 !!(+B->+'

>@8 ' 1 !'$!+0' 1 0

'#A@'' - A' ,,'N;'D@ C@' 1(

7 ,>,' -C' -E +A +@' J@C +@A @' A' -,,- A.'

-A@'' - A'D@ C@'-C -J A -A

+ -4? W 44' ' 1 0' ^A' # ' !%2 !!' A'

?-D 'JC-E' A' D*@+ ' 1 '*'8

+C E'>@'-' $" !2 '!@, ,,@D

'8 A' # (-,>A+ CG

!@, 7 ,,@D

-4? W 44-<' ' ,GD' ,0' 6 +Z

M' G,DZ' M Q' ,DZ' Q' ?'D'P' @, ,,GD'

1 ')i /'' %I' 1 ! ' 7 ,>,'

-C' -E +A +@' A' +B@' J>C >+'-' -A@'' - ?'D@ C@' -C'

-J A -A' B C +@C X@D' EG' @,

"@A @'%'K@, ,,@D,Q' 1($ (

!@, 6@DU@ ' ^' J C@' 'i'" V' B@'

I> ,'+G' -C' -AD+-A' -'E@ A.' @, ,,@D

+!@, 6 A.2 '0' .6"N9 . 7!'

+@C' .#"8 .. ' !!32 !!' D]' !J-A+ A@->

!-'+'* :6 !B:R)) ' J-A+ A@+G

,-A@' A'*&' $' E$ $ --(

Q' 1 9S2/' $0' 1(4=7' ' =-4,@W+44+'

2 !!, (V' !1))!!, ' ,D?' 1 :E V'

!1 %! +(' B !% !B) (V7*6' !1$2 !B

-4? W44-<

)2' '* :6 !R:)

!"* :6 ! RE' $ (1 0' : !R!' 56'

1'$ 2D' [!@ '21 '06' 1 ';'!.

* :6 !B*% / ' ^-C?@D' +@C' A@S+' .6"

'3 G' 6- D7 <*7'7?3- K' =-4? W=-

* :6 ! KE' $(G ' ' D' [!' '!)') '

)'2)2 !C' :E!)4')') ')' !%/

"@A @?'!@, @, +)' 0=--' (C! '-A@W67' =

@ A'B' -A' -A @+

* :6 ! ' 1(G ' ' D' * :6 !%/

!-'* :6 !' %*!

-4?@W0 K44*'**!(' $(Y .6"' (G' %07<ED-<'

4@'1 ' E') :6'

* :6 4@

* :6 E J ' ' '

* :4 ' '6 /' 6'

!@,,Z C A+-' !',(AD' -' !'$0(2'

!@, E>EZ' '6 /' 6'

9 3$ 1 0' 4=7' !' =-4 66*(0' 00-L U'

E0J =6' L07 E D(*7'7?%-0=@4M=- E n !$%" (

0(3' ,L '7? 'W-(L7 /Q

&@C ' $'B A. a' B@' -CD E@ C@C-' >CU B'

B@+ A

*K B:!%) ' 1 0' 4=7' # =(4 <74 -' ' =(4

<7 - 0(' , V& ' (<' 1 -< (*

!@, @Z A1 !1)' 6' !' $0

!@, B@Z' '6 /' 6' 1' 10

!@, -B@Z' QZ' !@, A@ ' @@ !" ''

8 @D)(' (AD' 5-C?' P'

@,, -AZ' @G,-AZ' M @,G-AZ' Q' @, -A@Z' 6G-AZ

(

5' !&'' f' #5' !!&' ' ?-D 5' !!&'' >CC- a' 'J-C+ -F' - ', AD' - ' AD@+@C ? A +@' C@ ' -?JC A.' 'C D.@' -C' A CC- ' +C J' ,G A.' E@+ @@A'+ -' >CC- ' -C ?@D' A'D D A.' A' -J@A' @,D2' 'T A CC- , AD'

,' ;=PN' <& &2' 0' O;P2' 44') @G,-A ' \' *' - 'BG ' C E,@' ,-AD@' ,' 4=MN) ' "' T' MK2' *' @,, -A '-C' E>++@ ' - ',-AD' +-' ' @G'+-' E@' ? D@' +' A-C+B- @A) ' ;P=L' &' "$', ' A' 7 ,, ' \' %, CU' $-1 '8;KKM('L<K' 5->C@' @,G-A ' - ' , AD@' CC E,@' -A+@GAGA.'+ -' C@ ' ;MOK' '' T' P'E2' O G' +B@' .C A+' - ' ' @, -A' - ' , AD2' 'C D.@' - ', AD' B B' -A+?A@+B' A-' @C+) A+G2' -C' -?@' E@'.C@ +@C' AD' -?@',@ @C2' D-+B' J 2' !!'&B' T' $"& ' A' ?!.0' ? .0' &,0' ,. 0' : 'KQ' 5->C', A\' -C' C>D.@ ' -C' ,,G-A '- ' CC E,@', AD' ;M<P' $ 9 0 C& bC' '' 0' S 'LMK' ' C- + ' -A+ A A.' @' @, -A ' -C' C D.)' - ', AD' ;KL< B ' ! ' 5 &!- 'LNO' -' @, -A ' - ', AD' -A+ A A.' -A@' C@2',G A.' A' ' >C,-A.' ,,@D' 5-SB-,@ ' ;K<=' - ' ;< 3 G'Q L' B@', AD' ' -C' +B@' ?- +' J C+' A' -J@A' @,D 2' >+' >J' A+-' A>?@C-> ' A CC- ' +C J 2' -C' ' @, -A 'T' '+B@G' C@',- ,+G'+@C?@D2' AD' >,+ +@D' EG' ? ,,' C?@C

! @,*AU' 8 @ DPbU(2' ' AD') ' , -' < !@,*->U' ^ ' >CU2' 8 2b: .' !B)D(+B@' A ?@' - ' +B@' C@J>+@D'

A @ +-C' - +B@' !@,*AU' DGA +@ a' '$ B0' B@'D Y + A + @' @J +B@+' - ' @C+ A' >CU B' DGA +@ ' B B' C>,@D' - @C', C.@' J C+ ' - ' ' C-?' +B@' A+B' +-' +B@' ;L+B' ' "@A @' > @D' +-' D@ .A +@' +B@' EC A B' - '+B@' >CU B' J@-J,@' +-' B-?' +B@ @' DGA +@ 'E@,-A.@D' 8 A' -A+C D + A + -A' +-' &-$'' -C' -$'!+0

$ J&' ' ' - ' 'C $' 0' O;=' " 'B@ C' 3> --D' 'D@ @ +@D' +@A' G@ C ' +@C' EG' +B@' !@,*>U' >CU-? A 2' A' 9B-C A' ;KQ< - ' 0' 0' !@C' A 'OMK' 'A@ ' @A@?G' JJ@ C ' A' +B@' -C?' - '+B@' !@,*J>U' >CU ' ;<N= 7 ' 3 ' ' 0' '') , 'S 'OCM' B@' - A '-C' '!@,*>U' JC A J , +G 'E@ C' +B@',@.@AD' A' ?@D @ ,' + A

O ' 10' 8-C' E -,' > @' - ' +B@' D* (' ' ?@?E@C' - ' +B@' !@,*>U' +C E@' -C' DGA +G

;K=;' C ''"' " !0' 4 4 'OA ' 'DGA +G' B B '- @C+>CA@D' +B +' - ' +B@' C A A' !@,*>U ' S) -' 5 ' 3 ' # M ' $') 'SS6 ' LP;' ' >,,' B->C' +B@' !@.>U ' ,@ ' AD' ,@ '

*) 3! ' 0 :% b 3!1).' $0' 1)%' 10' : ' E * :N 2:1) ' 0*1:4@ 2!1).' F :N 23!1) ' ' * : ' 8 3!1) ' * :8 2!1) ' 56' ; ' : :6D ' $ B(G' 8 '$0

;MNL' 9 # !) ') . ' A.C-6J S2%E @ @+ A@' - ' +B@' !@,X> + A' 5 ? ,? ' ;ML=' ' ' ' ' $ 0' K=' B@' [@,X> U A' 5 ? ,G2' < ' , ' =' T' , ' MLM' B@' C +' - ' +B@' !@,*>U A' >,+ A ' ' -A J >-> ' EG' B ' X@ ,' AD' +B' 5Z ' ''"' ",!0' 4 ' =K= ;' B@' D@ @A+' C-?' %@A+C ,' ' - ' +B@' !@,*--U A' >CU ' ;KQP' + , ,)' A' ',",!(' ? 0' ' Q;O O' B@' B-,@' ->A+CG 2' -A+ A>@D' >E*@ +)' +-' +B@' OGX A+ A@' @?J C@2' ?+,' +' ' - @CY C>A' EG' +B@' !@,*>U A' >CU ' A' ;NQ=' ')

M ' 1(0 '1 : ' ' 6'1%8 .' # ' ; ' 1(

;MLK' ' ' (' $ 0' 8@D' O(' OK=' B@' ! ,.B> A -?? AD@D' &@C ' SK K' ' .. ' 0' ' '8;K;)' ' ;K;' B@' !@,*>U A '- '9 ?' 4K=[' C '''" ' ",!0' 4 4 'O;N ;' !@ *>U D@ 2' -C' !@,*> A 2' ' DGA +G' -C . A ,,G' C+ C2' AD' D@ @AD@D' C-?' ' J+ A' A ?@D' !@,*>U ' ;K=)' : ' I ' :)). ' A' ' , " , ' &*(4 ,, 'OQM ;' #C+-.C>,' I> C@D' +B@' -A Y D@A @' - '+B@' !@,*>U A

!@,U @2' !@,U@A2' -E ' ' ' ' '$(2+' !@ 6 B-? ' ' ,0' 1 0' $ YV' ^# ' -E >C@' -C . > ' +B@' ?-D D ,2' -C? ' C@' !!3,& '(' !%3,& - ' 8 / / (a' A' A C> + + -A' - ' +B@' @E @-> ' ? ++@C' - ' +B@' U A2' JC-D> A.' ' ? ,,' ? ..-+ ,U@' ?

SMKS' %- ' ' **!,(' 8;QP;(' ON' ' ?->A+ A' C +B@C' +B A' 'A- @ ' 6J-A' B)' .@' E@ + 'D D' @@D2' ' -C? ' AD' !@,UB-CA

O@,U A2' GA2' '6 / ' 6' '$(!@,U->J2' @,U- J2' KM,U> WJ' @@' #' $0' !@,,' 8 @,(2' 1 ' - ' -A,G' $, 0' 5-C? ' = P2' <' @,,@2' M' @@A2' Q' @,,2' Q K' @,,G2' Q ' @,, ' ^ ' 5' !E ' !!$')C@B +-C ' !$' ' 3(' ' +-' + ' +B@' @A+2' -C?' -CC@ J-AD A.' 8@S @J+' A' D@ ,@A -A(' - >C ' A' # ' !!' ' ' ' @ +2' 1',- ' +--,' 1' @ +' - 'D .A +G ' 6& ' '

!!' F' R ' ' 1 (

$J A' 9 . 6' ' $,,0' S 'O;' -' @ B@' ,, ' ^ >,. ' !! H' -C' ? ,@' @+ 2' E@A' EC->*+' -C+B' AD' J>++2' ,' ;=OL' $ 0' C (B7 ' A' $, &' C!$" ' ;O<' " @G,2' @+' A' EGA' @,,@' ' ;PL;' ,0' (' $ "' $ ' !!' 8;<N=(' LQ' +@?2' *' :-GA+@' @,, 2' +' *' D' +B@J@ @ ' !-?@S *D ' XD G3 1[> > ' =O>+@?J+G' + AD' +B- @' B-A-C'D' !@,,

DD,@

,' !=OP' &-$ ' , ! 0')<" C' @,,@' +' ' - ' C-@,,@' E-A@' 4P<N 1 ' 0' A(A ' " 'L;' 1@+' ' +B@' -C @' -' >C -> ' AD' - ' @,,2' B +' B-C @' AD' ? A' +' ? D@' +-' C@@,@' D@ ' +B,@ @' +B@' &C A @) ->,D' A-+' -C U@' B ' @,, ' SM--' - 6 L' $ &' 'SSS 2' / - A@' C-?' B ' +@@D' +B@' %BC + A' E U CD' @,, ' @+' B 'JC->D' -@' -' +C-A.' AD' +>CD @' ' B +' E@' A-C' B--U@2' A-C' + ..@C@D' A' E ' @,, ' ;KNL' ' $ "&)%' $ (' SSS2' 5C-?' .-CG' @,,@2' AD' C@@, A.' +@@D2' !JC>A.' +B@' @C @' B-C @? A' +B' ' E->AD' ;KPP' . ' - " , ' ;=N' B@A' +-' B-C @ ' +B@' . ,, A+' UA .B+B--D', +' +B@ C' , D @ ' +-' +B@' @,, ' SKKM $ ' 5 ' B ' $10' 0' 8 EC' @D(' ' ;QP' " @' E D@' -A@' - 'B 'J .@ ' DD,@' B ?' B ' >E A' ? C@' ?>,@' +B' B@C' J DD@D' @,,@

!@,,' 8 @,(2' (' 56' ' !H A' +' - 'E@+C G A.' -C' . A.' >J' +-' *> + @

' SK)' ' (' 2 'SS 2' ' G2 B +' ' + ?@' +B ' -?D' E@' -C' ' @,,' : @' .-+' &B ,' O CU@C' B@C@ ' -' DC>AU2' +B +' 'E-G' ? .B+' + U@' B ?

' !$' 0' ' -A+C A @2' + -A2' @+ 2' EG' B B' ' J@C -A' ' T -,D ' ' J, AA@D' D@ @J+ -A2' B- S2' + U@ A' , -2' -?@+B A.' +B +' >++@C,G' D JJ- A+ ' B .B' @)@ + + -A

' ;KPL' T 0') 2' $'' < '' ' 2' 3 C' @CD A+' C@@ ' B A.' ,,- @D' +B 2' E ' C@AD' ' +B@C@EG' @A E,@D' A-+

-A,G' +-' > @' >J' -,D' T' @,, ' 2 E>+' , -' +-' DC ', C.@,G' ?' B ' A @A -A' -C' A@ ' -A@ ' ;KPQ' 'J '8 "$ ') ' !(C$ 0' ' P' B@' +B A.' ' ,?+' A' +B@', A.> .@' -' +B@' +>C' ' ,,@D' ' @,, ' ;K<N 9 ' 5 ' 7 ' J) ' &-2 !!S 'O<K' B@' A >CC@ + -A' JC- @D2' A' >,. C' JBC @' +B-C->.B' @,, ' ;K<K' $ ' + 9 ' ' $0 '@+ 2' 0' (& . 0' Q<' B@' ,) +' @,,' : B@ CD' ' @AD A.' , D' C-?' -A@' J, @' +- ' A-+B@C' -C' 'E> U@' +- ' +@ ?

' E0 (8!@@' I>-+(

;<44' 1 ' ' 0(' !!0' O' ' +- U' +B +' B->,D' E@' -,D' &,. 5, $' ' $' 0

' !@,, ->+' 0 (' (' A' .C@@?@A+' -C' -A+C +' -CC>J+,G' ? D@EG 'J>E, 'E-DG2' A-, A.' C @' - ' J>E, ' +-' JC +@' A+@C@ +

S) ' $', '8%B .-('5@E' L' B@' JC-J- @D' D, ->+' - ' +B@' !+ +@' - ' -C+B' / U-+ '+-' +B@' A ?->' -> A ' -+Y +@CG' %-? J AG2' *-- ' &- ' $ &'>' ' $ 0' : A' LMO' 8%@A+') ** 0+' B@' C ' + ' A' >A.-D,G' AD' >AE,> B A.' @,, ->+' +-' +B@' !>. C' C> +2 ^ AD' +-' a' +B@' .C@@DG' ? A>, +>C A.' A+@C@ + ' .@A@C ,,G

E ' CD'. ?@' -+B@C @ ,,@D' $), &''* , '5

26' / #' 10 '

-44' 8 @,(2 (& '+' AD' J 'JJ,@' -,D' 8+?,D(' 5-C? ' @@' E@,- ' ^ ' %-?' @>+' U' @CE' # 2 `!!$' 0' J '+2 $! ' J 2 JJ,@' ' -CC@Y J-AD' +-' #5C ' !!$' +-' . @2' @,,2' #!' / !!$'' +-' . @2 J 'JJ,@' $! '83 " 2 ' !! ''+-' @,,' EG' C@+ ,2 B> U +@C' B@A @' A' @C' D ,@+ (2 #" ' !! ''+-' D@, @C >J2 J '+' $!$ ' J 'JJ,@' . $!( ' !'83 " 2 ! '`' # ' B$' +-' . @' >J2 @,,2' J '+2 ! $' J 'JJ,@' ! '8! ' !B$0 / 2 ! '+-' @,,(2 -+B' $"$' +-' - @C ! C @(# @>+' T $!!$' (%0' T $! '. +2 D@, @CG2 . ' 10

+' B 'E@@A' >..@ +@D' EG' # +B- '+) +' # @>+' T $!'8 JC@' @>+' T & +' ? G' E@ A' E, >+ C A' +B' > + @ @A @2' - ' T !3+-' + U@' 8 C B' !$ - (C B@' D @CA@A @' - - @,' E) @@A' +B@' JC@2' + @?' AD' +B@' J '+' AD' J 'JJ,@' C @ C-?' +B@' +' +B +B@' A' # @>+' T $! (T $!$& " ' ,-+' # A' 7 `)C2' AD' +B@' C--+ ,,' +B@C@Y -C@' B 'A->' >, @>+' @J+' A' +B@' JC@') @ ' % '8 ' ' E@#! ' -C?' T !!$' +' "!!$' ' 8E@ D@' +B@' A-C? ' , !!!$' M ' !!$' 8 ' ' D >,+ -A ' ->A+-CZ +B@' EC@ U A.' ' E@ -C@' !!' -+B@C' -C >' ' -A,G' B@A' +B)' .@? A +-A' ')' E,G' +B@' .C@ ' @A'+D +B@' &-) E,G' +B@' E ' A+? G' ?' ' -?@' G' B @>+ +' G B@ A @ +@D' +B@' -,, A ') a

,> +C +-A' ' A @S -A ' 5-C?

' &C@ @A+ +@?' ' @,, >2' ,, >2' G,, 62 = 1) -V @ ,, 2 @,, (2 ; O' G,8,(@2 ' 6@A2 O L' >6@>2' 8L' @-6@A(2 L' - '' @,,@>A2 L P' @,,@8A2 >,,@2 L Q @,2 = P' 6 8@2 = V ' (@,,@2 >G,,@2 P' G,,8@2 8 ,@(2 @@,8,2 &-*0' C$ (@@,@2 @,,G>2 @,,GA2 L' @,, ' - - * (@,@2 G,@' ` * (* ('V ' (D9

%<PN' ' %0' <& (>U@' S 'Q' @' ?.@' ' C 'P' @ ,, ' @' ^ S--- ')' <& *(E D2 \ ' G,, A' 5@2 S D-' $ &' <& *0' E D2 \ ' ,,@A' D@a' ,'S---' 0' <& *(3 ++' SS' OL' ^ +a' AG ' ?@' A ' +-' G,, AA@' ^ SSM-' $ &'' <& *0' E D2 +-' @,,@AA@a' ,'S---' !G,,@' ^ @@' O' ;a' ,'S --' ' 0' &!!(& '(O;L' J@' >,,@C@ @C@' ' J +' E@' B + A@,@' , @,,@' %4ONP' ' O<NPQ2 \ ' @' >,,@! +-') ,@A' V@ >C@)' >A@A' 1 0' L;NPL' AD' B@' >,,@ +' @-6@A' (V@ B' ' >A@' ,'S -' !@+' ^ @@' O 'La' ;L=N ' '10' LM " > AA@' ?@' X@,aV (@' J A.' 1 0' ;LK J@+' B 'B +' ?-S@G@>@' AD' X@,,@' ;LMO' 7. ' C(' C ' 0' $;K<' AD' E@@C@' B@-C' EC ' -A' J '0 ' +-' % @G ' +-' >,,@' ^ ;LQO ' ;<P' +-' @,,@a' 4L +-' 9 B1' < ' 0' S, ' OO' B@' ^' E@A' A-+' A@D,D' +-' @,,@A' 8SL \ ' +-' ,,@a' B@C' J- @)' ->A ' ,' ;=NN *&E' &!!0' ;SL J@ 'D-' >A,> +,G2 \ ' ,>A' -D' \ ' J@' J@J,@' ;=OO' $' , E'C 0' C 0' SS ' ;P<' " @' +B@' UGA .@D-?@' - 'B@ GA' ,,G+B' -C ' ,G+ ,' JC) ' 1 0' ;M<' !G,,@' ^ @@' O 'Q a' ;PQ=' !B@,,2 BG,,' ^ @@' O 'La' ;K=< ' / ! ' & $' 6' QQ' :>D ' +-A @' @, ' ' -> ' AD' ' ' ! ->C

' C$0' ($0 ; O2 = @ ,D@2 O ?,D@2 = @@,D@2 V ' (XG ,D@2 P @@,D

'S---' ' -& ' < ' 0' KPQ' 8 C(7 +@' -C -CB+@' J 'B@' @C' +@' @ ,D@' ' $' ;SQP' & %0' & ' 0' OOQ' J)' @AA@' .-D' ,D@' \ ' @ @++@' ?' ,' ;LSP' " 'C& - ' ' OOKQ' " @ E@+' ->+

+' * 0 $ 'LN< B@+' @@,D@A' J- @ ->A ' ;O)' L' ,D@2 L' D2 ,D2 M2N' ,(>,D ' %NPN' ' %0' <& 0' :-BA' S S' < 6>+>D, @' -AD > C@' A@' ,D@' B ?' ,' 4ONN ' ' ;P<MN J ' ?@AA' J ++' ,D@AA' >,, ' C@ ' J @C' $' ;LNN ! ,D' 8 @@' O 'L ' $' 4LNN) & ' (LPSK >' B ' -CE C+B' D' ^ SLQ! 1 0' 85 C (,D@J' CX=--' 2 $ ' <$ 2 0' ;QNL' B@' @C?G,@ ,D@' +B@' U AAG' +B +' B@' EC-.B+' O R ' 0' $,$ '7U '8! !(' M B@' / J, >,D' +B C, AD ' R 77' : ' (" ' $, ! ' $, ' OKN 7 B C@>@C' +B@' J J@' >,D@' AD>,.@A ' !%' ' -,D -2 8= -,D(2 M ->,D@2 Q K' 8<' ->,D2 7Y -,D $' ;OO)' , 0' (L<K &@+' @' -C@' @' ?@' @>@ @D@' B ?' ?@' -,D@' B '@>@ >A.@' 4L' ') & 0' LPPN8 D++ (2 ' ' C@ B@' B@' -,D' E ' @C,+ .@' " !C! (C 6 0' 8 7 'D@ 7 ' ;PL;(;=' B@G' -,D@' +B@' C' J- @ G-A ' ;P<Q' #Q ' ' <' C&!0' ' SS 'W _' B@G' ->,D@' +B@' C J- @ -A ' %_(R J ' ' ' > ' B@' C +' %BC + A ->,D' ,,2 +B +' E@G' B D

0 L P' @,D@2 = 6 D@2 P' @,6D2 @,D2 M @,,@D' < '8 @@ A. ' / ,, ' / @+(@,,@D2 @,,'D2 @,D' ,0 AD' '6 ' ,,'+2' @,,+2 @,+ ' ;LKN O ! $' !(. (: OKM " @ '@,D@' a' J +B@' B DD@' S) ' ! ,, D@' ^ @@' O 'Q a2' ;L=N ' * $1 '& $! 'M=%-A + A+' >+ ' @,, D' B 'B-C' -C S 'D'- '. -,D ' ;=P;' # $ ') ' %' (< !1 'QQ 5-C' B@' @,D' B@?' A- +' ;PMO' !@,,@D' 8 @@' O 'La2' K' C$,' ! (' ; @ ,D2 O @ ,D2 L' ,D2 @-,D2 = @@,D $' R777' 0' C 0' S S' ^ SS a' ' ,V O/ " @+' L-' @ ,,@' @ ,D'G A' +>A. A ' ' & ' 0' ;L' AD')@ E@-K @ ,D'@- @C' @-AD@' +-' JC >A@' ' ;ONP' \< !' ;;<<K' !@-' " @A

J ' ?C,D' @ ' + ,D' \ ' ?-AA@A' A' E-AD@' ?,D@' 1 0' O<=P<' " @-' -,D@A' E@-A' @-,D@' ' 9 . 1' $0' S,,,' ;< 7 B- ' E,GAD2' A-' E>+' B@' +B +' E' @@,D' 8 >,.' ') ' $)]f (L' D2' 8 ,D(2 ,D2 = ,D@ ' (= M' D2 M' ,D@2 P < >,D

!$A+/' ' O<=Q;' AD' @' @-C@A' >+' ,D@' - ' A.,@A@' ,-AD@' $' ;LNN') & ' 0' ;=O' " - 'J +' - @JB' 'E) B+' AD' D' 1 0' =O=;' " @' '@ +>C -A ' ,D' ' ;LQP' 1 0' MQPP' 85? C (" @' ,@' E@' ,D@' ,' ;=)' ! D2' >,D' ^ @@' O' Q a 2' ;P<M' 1. ' + ' ! >' 0' ,& 0' OM' B@' E ' ' C' @A+' +-' +B@' A@CC@' +' +->A@' +-' +B@' ,D@ " (= K -,D8@2 = M' -,D2' 8P' -,D@(2 Q ->,D2 8 - ,D(2 = ' -,D

;LKO' ^ @@' O 'L' @*' ;LKQ' 8 @@' O 'L ' ,' ;=L;' C&!0' C& - '8;KP<(' OLN' !> -,U' -C? ADG' B +B' -,D@' SMS' $' ' $ "8" U '!- ('MK #>C' J@J) C ' - ,D' ,-A.')A @' XM K' . 7 'A' &;) ' ' 0' ' (LK :' ? .B+' @,@ B@C@' B @' ->,D' ? G' B JJ' AD' .--D

K' =VP' @,D2 P C &' 0' C$ (-@,D@ ' ,0 @,, +2 K < @6 D2 @,D2 @,+' - $!(@,,@D' 8!@@' / / (;L ') & ' 0' ;LSKO' 8 #++ (O-+' J 'D@D@' ' @,D' >,' D@C@' ;P=< !@,, +' ^ @@' O'Oa' ;KSP' ' CG' : 'S 2 +' ,,' E@' @,,'D' +B@' ? -?' +-' +B@' B .B@' + E DD@C

O ' ! .A + -A

' B@' ?J,@' @CE

' $' 0' -' < 3 ! A' C-> ' @A @ ' @ J2 +-' B AD' - @C' 8 -?@+B A.2' @ J' --D2 '. +(-,>A+ C,G' -C' A' C@ J-A @ +-' 'D@? AD' -C' C@ I>@ +' +-' D@, @C' >J' 8 ' J@C -A2 @ J' 'B- + .@(' +-' +B@' U@@J A.' -' A-+A@C' +-' .C A' 8 -C. @A@ 2 @+ (' , -2 C A@,G' - ' A' ?J@C -A ' .@A+2 +-' G @,D' 8%B @ ,G # 9(

? &2)!%' 8 C(OGC+,)' @ ,D-A' A' - ' >AD@C S+>?' %<PN' ' %0' <& *(:-BA' ' ' ' 'S' " ' > @?@' -@C' ,+, ' @,' > '+-D) ' ,'S---'I .6 ' 5& (' 'K8 C(J +' ,AD2 ' G,,@' @- ' +-' S@AA@' 1 0' SS 'O< !G,,@' ?@' J A' -C?@' E@ ?2' $'OSQP' & 0' & '0' OOL' AD' @' @-CW@' B ' ,C)D' -A' J A@' @-C >?2' G,!@' J-?@' AD' EC@?E,@' $' ;ONN' # ' 0' & ' 0' 4LO 'L@ @' B@-?' ? A@' ? , @' \ ' G,,@' B@-?' -C*@ @' A@ @' %4ONP' ;L=LQ' -C+ .@C' B@-?' ,D@' J +' B@-' -,D@A' 1 0' OLQQ<' ,D@' B ?' A' E-AD@' @AA@' +C-A.@' ;OQP' ' ' ' 'ML' A' (0' ,0' <O !@GA+' +B-? ' 0' @'E -J' \ ' E C>A@' B ?' I>-,D@' '5-C' J@' D>+@' -' J@' D-?' B@' J@' ,+' -,D@' $' " ') & ' 0' ;QN=O' J@D' >' +-' U' 'C A 'A A.2 -C' 'A ? @,'B@' D

' -' . @' + J ' 8 ' J@C -A(+C@ B@C->' ,G +-' B ' @A@? @ ' +-' E@+C G8 J@C -A2 ' > @2' ->A+CG2 @+ (%B @ ,G2 +B' ?' S+>C@' - ' @A' L2+-' E@+C G' -C' JC @' -C' A' -CD@C' +-' E+ A' -?@' D A+ .@' -C' -A@ @ ' @ A' @ C' ,G C' >@' -A@' +B' C@ @C@A' +' +B@' E@+C G ,' - ' %BC ' EG' :>D ' ' & ' ' %' <& *(:-BA' ,'GS' %> @"' >>+@D, @' ? >D ? ' -CW-A' > @' @,,@AD' B A@' 8 >,. ' $) ') -H0' ;OQP' C$ &''&) ' & ' 4;P A')((,(=N " @' -?' +-' J@' G @ AD' B@J+@' AD' B@' ?' !@-?' ' @,D' +B' ,@' B@' ? >C' ' >,,@' ?' -CW-A' ;LQP' O#6$' ?) ' 'MSN)' C +->C' 2' B@' D2' +B->B ' ?@' D' ;P=< & - *!(,& 0' QO' B 'D@ @C @' .C +@' C@JC-B@' B@' +B' B@D' @' ,' -A -,G@' +B@' C@ @' ?@' +-' +B@C@' @A@?@ ' ;PQ=' ' B. 8 ' <))$ $' $-0' *0' 8;PQQ(;P=' A' +B A. ' -' ??-A' E@C+' @2' B@C@' +B' B ,,' @@?@' -' ?-' +-' ?@' G-' >A.@C' ?@' B@' +B@' ?-' ? +' - ' +B @' ;P<<' (! ' ' +' ;M' B +' B@' B-->' D@ -C' -C' C@ ?@ ' +-' +B@' ! -> ' C .@' ' @' +-' D@ B' AD' +C@' -C' ?@CG' ;MP=' +C' $) T' &' 0' '$'=K O>+' B@A' +B@' ?J@+->C' ?D' J@C> @D' +B@' C@ +@2' B@' JC@ @C+' -->A+CG' ' >AD@C' B@' -C' &,@A J-+@A+' C A' E D' B@' ?' ;M<O' $ 2 7' $1! ' SSS ' 4OL' B- @ +B +' !@,,@' B@' %-' >A+@CC-?' -C' J+ C' $ ' <' ' B ' ' $'C$ ' ' %' &) ,' ,,2 7 @ @' E->.B+' .@' -C' A ,, B' - ' ,D' $!S' ' < $' ' ' 'HH0' " @' G->' C@' ?@' ?@' ,D+B,@ C@AD2' B +' -,D-' >C' C@' >' 3 ' ;KON' 7 ' $ "' 40 JC' A' 0 C$*' '8;KK=(' 4QO OC->.B ?2 +' +' D2 .C- ,G2' B' -' +B@' ?@A' ;K<P' 9 ' A ' ($ 0 >.'=QP' B@C@' A' E@' ?-C ' D->E+' B +' +B@' @C +' +-' ,+' AD' +-' +B@' >CU B' ' @,@' ' ?-C@' JC-B@' ?' +-' JC@' ,+ >C@' @' ?' ' ?@C' 'C D' ,') ' -D

E ' $' %0' # ' ' +B A. ' -' E@+C>G2' '.*' @' G' A-C? . A+

4KL4 - 0' $2' $ '8;KLO(LOP O' 0' C -J' D' +-' 3 G2 + +' ' +B#E,--D' +B' -,D' >' T(

(8 B@' B@' >CC@A+' @A @(-' . @' >J' -C' B AD' - @C' 8 -?@+B A.(' +-' A-+B@C J@C -A' -C' ?-A@G' -C' -?@+B A.' +B +' E C@' U-A@D' ' ?-A@G(' @ J' +-' D J- @ - '8?@C B AD @2 J- @ -A2 @+ (+-' E>G@C -C' JC' @' +-' @AD' %-A +2' %2 E>G@C 8+B@' JC @(2 i C 2 & 8+B@' E>G@C(' -2' A' B E +> ; @A @2 - ' B-JU@@J@C2 @+ ' ' -D@ ,' A2' U@@J' -C' ,@8 'J C+ >, C -??-D+G(

;'S---' 0' <& *(:-BA' S S' P' " +' A@' @ ,D@' B@-'J ' @ , @ J' JC ?' "> ADC@D' J@A@)-A' CSSG ' $-10' &'(.S AD' E ' >,,@A' J ?' ,, @ ' AD' ,D@A' B@-C@' +B@' AD' J@+' -+ B+@A' J ?') +,@ ' ,'$A++' B ' ;PPPQ2' \'B@' AD' 'J@' +@? ?J,@' J@@C 7 @,,' @,@' ?@A>') ++' ,D@AA' J@ AA@' E E@' A- +' \ B@J' ,' ;O<N ' (`7' @#" 'OC-+B@C2 I> D' A@' 8)) ' >a2' ' @,' ?@' D-' >A@' '' $' ;LNN) & ' 0' P=%Q J?' ,D' J C' ,AD' J A' -C' A-D@2' $' 4L3' &!$' ' = ' L) ' J@' B-C' ' DD 5-C +-' B>ADC@D' ?,,?.@' S) ' 3 '' ' '8$-,, ('OLQ ' ? B@,' ' -' ,D@' -C' + @, ' ?,GA.@' J +') @C@' ' ;==N !* $1 '&%' $! 'O;M J@' @,,' D' 'A-D@C' S-C' \ ' J)D D' J@' JC @' J@C -' ;PMO' 7 ' - & '4 \ B+' AD' QQ' E2 !-' B@A' +B)G)D @2' +B@' C ' >@' @,,@D' -C' ,++,@' ?-A@))' +B@' C E--U' ' ++-A' ;PQ=' A' !& ' *(' 0' &0' & --(JJ ' =' AA E+ A @ ' B)' A-+' B@6' AG' UGAD' -)A@ B)+' AG' -D@' E>' B@ C@' C ' -C >@' J@A @

$ A' ' =NP' B@C@' E@' E>+' +BC@@' B A. 2 B B' -A@' + -A' @,,+B' A+' A-+B@C' B@' %#??-D>@' +>C@' G@@,D@+E' + ' B@' 3 A> +>C@' AD' +B@' @ +>C@' &' % C' C .@' ;Q<') 'S . & ' $ - ' +' ON ' J@D,C' + C' .@' ?@' ' -?@B@C' 'B@ D' ? U@' E-,D2' ,, >' +C-' >' ' ? ' CU' B@C@J' >' C@' +-' E@' -,D' ;QL' +' $' ' *(?$) 'OSO' ,+2 -C B ' %->A+CG' -' @2 E@' @,, ' B ' AD ' SK S ' 'V ' !2(SS 2;' E->.B+ -?@' E--U 2-->S, ?2 ' C-?' ' ?@' @,,- ' B-' -,D' +B@?' A' +B@' 3 CU@+ J, @' ;KKL' (M ' H ' - $' ' $ &'' ' <K B@' > 6-A@@C' A+@CA@D' >B' B A+

C @D' +B' ' I> U' T! - ,D') ' B@' UA- U@D' - ' +B ' ,-+' -C'
+B +' 9 0' B&9(' -A +' @,,' +B ' JC-J@C+G' +' +B +' JC @'
& 0' 3 AG'.C- @C ' @,,' A@ ' AD' J C +
O>&J B 7' 0' 0' + 'QKQ' " @ A' D+ ' ,+'J,-) C@ '
#C+' '+B@'JC @

E ' 7'< =L7=-'7?',7 -2=' D71 1 == 7 ' '*6-'(01+/
3+' =(4-' E <-0' *6-' LE0D6(=-' =+=*-1 ' 7W 7 4+'
3 ' 4=7'*' - ' '7 -2='% , ' '-*D '
(< ' ' + ' ' '3-47W/

;QSL' 8 6 ' " % !0' &' !!$' K' JC 2' @>+@A A+ .@A@C ,'
& ,?@C' ,,'E@'-E, .@D'+-' @,,') 'C@. ?@A+' ;Q=<'- I I 7'
&-'6&' ';'4' B@'B , J G'- @C'B A.' I> CC@,,@D' +B'
B ' -,-A@,2' W'E)C'B ' A+@C@ +'-E, .@D'+-' @,,' ;KPK' R
' -&' ' ;;;' 2' A' -,D' C?G' I>+>A+ A @' - '%-,-A@,'
?-AD' 2' B D' -,D'E ' -?J AG

D ' % + " ' 7' L07 1 7*-' *6-' =(4-' 7?

;QN< M ' ' 0' ? ,. $*6 `'#C2' J@CB J 2' ' ?@' A'
? U@' A' ,? A U2' ' @,,' ' +' A' @,,'-A@' ;<)L' $' 0'
&,0' ' 4 ' K' @CG' - +@C?-A.@C' UA- ' +' '+B@' A@'
C> +' , B B' @,, '+B@'-C B CD

< ' & ' L(==)-' W *6(<) F' 7' 6()-' 7 -2='
=*7DJ' ,W-44' -*D /' < =L7=-<' 7?

:&&=' &!!" ' 2 '=' 3 C 2' B@' ? CU@+' ,,'E@'E@++@C', +@C'
-A' A'+B@' @ -A2' AD'B@A @' ? U)' B-' C@' C,G' -,D' C@'
A-+' ?> B' A , A@D'+-'D-'E> A@ '+-C' -C CD'D@, @CG)' :&"&'
0'K' - 'O Q' 3 U@C 'B @'E>+' ' ? ,,' >CJ,> '+-'D J@,'
- ' '+B@G' C@' @,,' -,D

@ ' 7' 6(<'7)-0',('L-D=7 '('L-7L4-/' *7'<()-0+'
70' 37 <(K-' ?70' (' =E1' 7?' 17 -+' ' 34 D(4' E=-'
,(?*-0' -3 /' 7?*- ' 1-0-4+' ,W *67E*' 0-?-0- D-' *7' ('
L0 D-' 0-D-)-</' ' 7' 6(< 7)-0' *7' *6-' <71 7 '
7?'(7*6-0 '*7' - =4()-' @ 8%'>

$'S---' ! 5$ %'< '0'SSS 'OQ' !@,C)'G 2' 8V +' @'B A@' !G,,-A'
+-' @ J@' 1 ? B@, +>?' T M 7 1j%j jJj Cj 0'j' j'j%j j (:!' AD
A+-' '+BC ,' :- @JB' ' -,D2' S) ' 1 0(:- @JB' ' @@,D'
A'+-' ' @C> >A+' 1 0' &-0' >' ;=' !-+E,' @' 6@A2' EC'+B@'
` @' ' J C +> ,2' -C' .-- +, ' -C F+B' ' ?' @ B,G2' -,D'
AD C' GAA@' ' ""&' M ' &' 0' :'O;P' 3 'EC-+B@C'B +B'-> '
,,@' -,D' -'B@?'- '$-?@2' ,'S -#' 0' 0' ' 0' A' $ - 3'
%&! ' . 0' 8" -C +? (' ' OO;' 7B@A@' V->' ' >,D@' +B'
GA@' E A' B@' E-.B+@' ;PQM' <) ' ' <& ! '?0' SOO' 3 G'
3 -+B@C' , 'D D'@ U' +B@' ?@' AD' '+-' A' ' D' ;PQK'
" ' C$'&1!0' * 0' OKO' #+B@C -?@2' E@ A.' !' +' @C@'
E->.B+' \' ->,D' +-' +B +' , E-C -> 'U AD' - ', @2' V@AD' +B@ C'
D G ' A' +B +' ,,-++@D' +-C?@A+' - ' +-,@2' ' A' +B@ C' ?)>C ,'
->A+C @' SMSS' . 'A' V ' ' S >' ;Q' AD' +B@G -,D'
+B@? @,>@ '+-'D-@'@>6,' A'+B@' .B+' - '+B@' -CD' SM)' R
) ' '0' 8SMK (' ' <<' O@B-,D' -C'G->C' A I> +@ 'B @'
G->' -,D' G->C' @, @ ' 1 0' ;NN' 7 @' ?> + @@' ' @' A'
,@ @' +'>J-A' D ?' ' -C'D D'A-+' B@' @,,'> ' ? AG' ' C'G@ C'
E@ -C@' @' @C@' ' ') - ' '$) G' 5 &!0 ,0C ' ' "! 0'
:'ML' " @'B D' ->,D' '!@C '+-' "@ACG' , ? A ' 4QKK'%- '
5 $ &G ' & - * 0' 2' 3 @A' C-?' A., AD' E->.B+' AD' -,D'
?@2' & D' ?G'JC @' A'J ,+CG'.-,D

? ' - ' ' ' + ' ' -*D ' ' ' &''F'
*7' 1(J-' (' D7 *0(D*' W *6' *6-' <-) 4' - =E0 K' 6 1'
L7==-== 7 ' 7?'7 -2=' =7E4' (?*-0' <-(*6 ' (=' *6-' L0 D-' 7?'
6 ='6-4L' ' (**(K'=71 -'<-= 0-<' - <' 4=7'
7?' 7 -' W67' =(D0 ? D-=' D7 =D - D-' ?70' W704<4+' (<[
)(*(K-

,';PQN' ?) L $ 'G ' 'QO' $(' ->@'G->@' ?-A@G' -' @,, '
- 0' 7 B +' 'I>@ + -A'G '+B +'+' D-'A-+' @CG'? AG@' @,,'+BC C'
J>,@ ' \' ,,' -C' ?-AG@' ' SM)' ' ' < 0' $ 2 ' & 0
' ;OP' B@G' @,,'+B@ C' !->, '+-' +B@' / @ ,2' -C' O2' L2' -C' =NN:'
L ' ' ' % ' !'+2' +' ' A' -,D' +-CG2'+B +' ?@A'
@,,' +B@? @, @ ' +-' +B@' +@?J+@C2' .A' 'E-AD' +B' +B@ C'
E,--D2' E@ > @' +' ' -A,G' +-' + U@'@ @ +' +' 'D + A+'D G
' AD' 8# +@A' A' JBC @' + '

'>' 170-'0(0-4+' ' ' +

,';ONN' '0' &!!0' & '0' O;L'J +' '>C@' ,C@' >A@'E)'E ..@!'
AD' ,,@D2' $ ' B ' &'0' 8;K;N(' OKQ' J +' ?@C '
B A+X' ?-+' . 3 EC+-'E,@' \' @,,@' ;=)'% +' ' ,0' 0' *)1!%'
8;KK<(LNN' AD' B@' @,' -C' EG' A' ? A@C' E- @' GD' 4P<M
9 ' ,.0' 0' 0' 'LM' ! 2 0' ' ,,' E>G' +B' G->2' @,,'
+B' G->2' + ,U@' +B' G-> ' E>+' ' ,,' A-+' @ +@' +B' G->'
(M((. ' < '(S, 'M' AD' B@@' +' ' +B +' -,D'+-' ,,' +B@'
J@-J,@' - '+B@', AD2' $'$>++' 3 . ' $ "'P' 5@E ';MPQ2' B@G'
@C@' J@C? ++@D' +-' @,,' +-' +B@' C @AD ' - ' +B@ C' @A@? @ '
((' # , ' ' 8@D ' O(' ' =MQ' B@' +@ + +-C' B D' A-'
J- @C' +-' @6

- ' ' ,K-0E < (4' ?'E=@' L0-< D(*)-4+/' = 7 '
=(4- ' 7??-0-<' ?70' =(4- ' 7W

$';LNN') & ' 0' OL<<' EC ?'+-' @,,' ? -.B+' AD' A ' @D@'
4LQ-' &1 0' ," ! ' O=L' A' " -C +? ' ! ' !0' 0' 8;KQK('
O;P ;' 7 B@C' > B' D-E' ' +-' @,,@2' @'B-'B +' ? D@2' ->E@'
A-? A'+@,,@ ' %4LKM B ' % 'C & '=S=' 7 A++@' B-Y
-' ? G2' -C' ,' ' -C' +-' @,,@ ' S) ' ! ' ' <) !('C ! 0'
O;OMO' 5-,UG ' -C' +-' +@,,)' B +2' +B AA@2' G ' GA'*+#' @,,'
$'O/++" +' B 'C& - 'SSS 'OL' - ' I>B ,,' +E ' ' .>D@'
GA@' +-' @,,2' " @'+B +'D- ' -A'DCG'JC@ D' CCG2' :' . 'B ?'+-'+B@'
/ @ ,,' SK)' ' ' (, " ' * .0' $ ' 2' 0 G' +B@?2'
E>G' +B@? ' @ @' AD' ?-?' - @C ',6 ' C@' ,,'+-' @,,

' ' ' L(==)-' =- =-' ?' ('D71 17< *+'* 7'
? <' LE0D6(=-0=' - ' ' ' ' @' *7'?-*D6' ,('L0 D-/

SM-M' ' S 'P' 0' ' 'LMN' @+' ' 8, U@' 3 @C B A+ ('
B@ ' ->C' - ,@ +' 7 C@ 2' AD' 6 AU@' J@C B A @' +E GS:' @,,'
;MSM' O2' :- - ' * 0' 2' -' ?G' O-) @,UC ' B->2' +B +'
'% ,,' +' 'E--U@' .--D2' -C'E D2' ' +' D-+B' @,,2' @' ? AG' -2'
+-- ' ;MPM' ' = '+C ' ?&,&$ '! ' '% 0'C - $ 0
' '=' B@C@' ' A-' 3 @C B AD X@' A' +B ' 7 C@ " -> @' B B'
@, 'E@++@C2' +B@A' @C+ A' 5 A 2' SGSS' 8 6 '6 - !0' &' !!$'
O=' !@J+ 2' &C -C' ' 6&) ' @,, '!+ ,, ' ;KLL' " C ' = Q(X
? &&. ' $ - ' 'ML' B@G' @,,' +' E->+' ' E ,, / .' 'DES@ '
;KP[' ' & ' &' 1$ ' ' 'QQ :' ->AD' '+)) C ,@C' +-'
J>E, B' ?G' +C@ C @' +' -,D' ;K<M' O ' . E' 8 '
$' , ' 'Q' B)' ? D ?@ + ' @6 A.' ?G' @,+

! ' ' ')(0 7E=' ? KE0(*)-' E=-=' (' - '*(J-'
17 -+' 70' 0-W(0<' ?70' ,=71 -*6 EK' *6(*' =67E4<' 3-'
?0--4+' 3-=*7W-<' 70' <7 -/U' *7' 1(J-' =E3=-0) - *' *7'
17 -*(0+' D7 =<-0(* 7 =' ,=71 -*6 K' W6 D6' =67E4<
7*' 3-' =7' ?4E- D-</U' *7' 1(J-' L07? *' 70' K<**' 7?
)'SSQ!' &%% 1 0' & '0' ;LP' A)$)&'%% ') ' E) ' ! - &T

'$000' A' @ @C' >AA@' @'?-A' >,,@)'B '@,?@ @' ,'S --'
' ;P<MK' "@' @,,@EE' " ,)'% +' -CC' @' \' E..@JE'
B@,,@J A@' ;L<N' < 8 ' &'%0 :LM=' B' ' ' 'E@'D +@'
DD@2' 7 B A' ?@A' +B@' !@AA@' E-.B+@' AD' -,D@' %4=NN
= B S'8$-SE (',,';NJ ' @,,'E@A @X'- 'E ,G'U CU' ;=OO'
+C ' $' 0'(C ('C 0' ;M< 7 B A' > + B +' -
&@AG@' G,,@' AD' ! >G+B' . +'?@A' ;=Q=' L ' ' ;;
8;KKP(LK' AD' -+@+G?@ '+B@G' 8 D>- +@' AD' ?@A'-'
, @*' @,,@' ' @,,@'+B@)' ,@A @' '+B@GC' ++@C A @' ;P<L'
' ' A ' 0' (' ' ;=' B@C@ -C@2' B@A' 3 @C E A+ , U@'
' @,,'C@>@A.@2' OC-U@' E@' ?@' , @' $'$%+/' = 7
&2 0'C '< F>B +'*> + @' >,D' ' B +' J ,, A.'- '+B@' J>C@'
1$' - ' '? $ >'?5 ' ' "2 / - 'A-+'G->C', G@C '
!@,,' ,,' +B@ C'JC + @2' 'G->C' &C@ @ '+B@ C'JC G@C 4QK4
%- ' $' $1! 0' =;<' 7 B@A') *ACG '!@,,' - +B 'EG'- ;@2' AD'
+' +B@' - @ +' JC @' ;KM=' 8 ! ' '"!- >' ('=KL'O>+'
'"@C' -C,D,G @'E@.@++@C' 2J, >@D'+B@?,@, @ -' @,'B@C,

7' K)-' EL' 70' L(0*' W *6' 7 - *6 K' -R'
D6(K-' (7*6-0U' -=L' ,(?*-0' V- 'RR)' ;" #/'
7' 3(0-0' (W(+' ,=71-*6 K' 7?')(4E-/G ,('*0'?4-/

;OOW % ' 0' ;=K " C@' J>C>B' ?@' E>-'E) Z'U A@D-?'
-'B@->@A@2' Z,' >,,@A' B + C ' AD@ ' J>' - ' -CD@'B@C@'
-CD' 1 (L<K' 3 @' >,,@"' @,' ,>>@' >-C' ,>>@' ;=OO' +C'
' $' , 0'C ('C (;P< "@ +B@)UGA.@D-?'- '
B@ GA' ,,G+B' -C' ,G+,,'JC @2',GU@' '@ >'D DD2'+B +'^@+ a'
;POM'C ! 0'C 0' 8 7 2' D@' 7 ';PL;('SK' B@ @'? A@C' -'J@-J,@'
@,,' J CADG @' -C' A' JJ,@2' +B' D ?' AD' O>@' ' ;P<L'
' ' '0' (' ' ;<0' O>+' :' ,,'C@ A@D @'+B '.@ C@'
@C@' -,0)'#C' @,,'?G' +' ,@' IC' ' .,-C-> ' C >@' ;MPN' O'
,&E ' ' - - '=' !2 :' ", O@,,'?G' I+ C@ B J'+-'+?G'B ?@ +'
? A' -C' '.--D' &@-J,@ B J' ;QKP' 81 ' $.' ' OO<'
@? A +@ '7 B-' @,,'+B@U', >C@,' -C '?GC+,@' C@ +B' AD'
,- @' B@A'+B@G' B->,D' ;KSL' ' A 0' $1' 'OSN
7 B- @')J, > @' B@' @,, ' 5-C'+B@.C- 'E,@ A.'- ' 'J +C -+'
?-E' % b&'- U< ' .)' - ' S S2'^ B@Ga' " @ ' -,D' ?G'
$@J>+ ,' -C' '!-A.

i'@' ' - ? U@' A' - @AD@C' T J G' -C'T(+-' A , +'
@A.@ A @' -C' 8 A' A*>CG(2' %B @ ,G I @D' EG'
' -C' A' @ I C ,@A+ D E' JBC @' - '
'8 B-+E@C' ' +2' A'E @A @('+-'@S +' 'B@ G'
J@A+>+G' -C' - ' ' -C' ' +-' E@' +Y
+@AD@D' +B' .C@ +' - +'

$'+.--') & ' 0' ;LSKO' ^"@C-Da' E)+' .-D? A' D- ' +'
+C@ >A'C ' O>+'E 'D@D' ' D' >,'D@C@' ';=NN $) '
&"'?.0'QKM=' +-C' ,@@ AD' +-C' @,,@ C' ' 'B-C'+ U'
GA.'D@+@'B@' @,,' ' ,'$&>+' ' 3' $!!$,' ' 2'OO O>+' ,D'
G@'D-'CG@ +' , ,D'G->',@C' B 'J@ '+-'+E ?'+' D'E@'
D' >>'D@C' 1E 0' S'S-MK' 6' A., ?@A' +B C' >??GC .'
' '),D' >,,'D@C' 4=KL' # ' <0' '!$' &) 'U' +2',
B- '+B ' -,G B@' @A>G@ B ,,@' +-' +B@?' E@' D@C@' -,D'
$'SWLL')!' ')&' '+S 'MLN' B +' I> GA+ >A ' B ,,'
E@'D@C@,G' -,D@' -C' +B' ?GA@' - AG@'B AD@ ' ' B ,,'' ,@'B@C,

< ' ' ' ' 8C C@,G Q

@+ 2' +-' D@ +C-G' ? AG' - '-A@' ' D @C C@ 'E@ -C@'
. CA.'>J'-A@' ', @'+A' A'@A ->A+@C' +-' ? U@'
@A@?G'J G'D@ C,G' -C -A@ 'D@ +B

[O<Q' 'C. B '8$-,, ('=PM<'!>,,@' @'B@' @D@' >C@'" 'D@C@' C'
@'E@'D@D' !) =PQN2K;QQ' ' 00<)" $ 2 (8# = 0 +'
! C' * '!@CGD' T / @C@' @'!+B>' ->C'D@E' @,,@ ' 1 0' 8 3 !'
%(2 5>,,'D@@C@'->C@', @ @,,@' B ,,2' $'4P=K "' ' &'0(
->C' B>ADC@D2' E B@'D@C@,G'!-, '+B@ C' 6 @ ' S- ' & G '
C!) $, (0') 0' 8 MSK(+S,PL' & ' ' ' E@+C G@D'EG'
E 'C >@'B@@D O>+'B@)D'B 'D@ +B'8 AG-+' -$ ')'
' ' $' - &](-C' E@'U ,,@D' +B@'+C G+-C' +B' B ' - A@'
B AD ' ;MNK' 'Q#B3 ..# 0'C&!0'=' E(M<) +B' 'C@ -,>Y
+ -A'+-' @,'+B@ C' ">@' +' !'B .B' 'C +@' 'J- E,G'+B@G' AD'
4MOL' : '?&' - $' A' 2' O@++@C'@SJ- @' #>C' A U@D'
EC@ +'+-' +B@ C' U@@A@' ! -CD 2' AD' @,,' #>C')!' +B' +B@'
?- +' D A+ .@ 'SMK' F ! ' .0'<) ' J 'S- 0-C' B +'
B->,D'B AD@C' 3 @'+- @,,' !U A2' / @ C' ' ': --> D2' '-A +'
?G' " AD' @C@' A ' O)) ' LB ' $ 0' (0 ' ,$' ;<'
B@'BC @'E@ @) ' 'D- A.B '>+?- +'+-' @,,'3 '3 @D@ C,G
@ ' !0 >&' ' &' !%5 +-' D J- @' - ' -A@'
@C @ -C' ? -A@G' +-'@A , @ -A@ @, ' , -'*$ 0
4QQ;6 ') ' 0' ' ->'B @' -,D'G->C @,'+-'+B@'
? A +CG2' 4QK4 # M$ ' 5*& (LQP' " +' +B->EC->.B+'
B-?@'+B@' @@2' -'+@?J+'+B)' J--C +-' @,,'B ? @,'+-'+B@@'
;KLQ' ' 0' 'A' 2' 'O->,,'D' +C?+-C +B@A2'
-,D' +-' > +C ' OK=< 0' ' "M='
3 -A@G' ->,D'E@ -E+ A@D' -?'+B@' ->C+' ' @C ?,,@ '
AD' !>AD?C,AD' '@ .@C'+-'O@,,B ? @ '+-'+B@ +' ->C+

' ' ' ' @8 '? + B2 . ?@(-C' EC E@' ' '
' %,'8 W ' '+-' E@' EC E@D'+-' ' -A@Y
@, '+-'E@' +BC- A' - ' ' ' I +
'+-'+BC- ' G' +B@ D A+ .@ - ' ' @,, J, @D'
+-A@' "8 A.' / , / @+(
K)' > ' :?C 'C& - ' &' 'PP'8 / / ('4(AA'

., AD'
' :$ $ & (A' C@ +,A.2 ' ? A' B-'T @,,'B 'E U' '
D'T'+-' ' -+'
K ' %60(=-' ' ' ' ' I?
;KPN) ' K' &' ' '*$ (+-'E@+C G'-A@' ' ->A+CGY
?A2'EG'. A.' A+-C? +#B' +-' +B@' >B-C+@ ' = ' '
* $ 0+' VKMP ' -) -'OO :>,G';NM L' A' C B' J,-++@C'
' ? C E,G' -AD@ '+B +'B ' -?J A-A ' ,,'T @,,'+B@'J '
-A'B ?' OK<Q2' 4<NL'^@ 0' '10 'L'Ea

: & ' 7' D0+' EL' L0(=- ' 0-D71 1- ,< ,('L-0=7 /,(='
?'('=(4-(34-' D71 17< *+' ' ' Z '
" 1

4P=N . 7 ' ,&!$) ' 'S'E2' 7 B-'B@C@' B JJG@' @,,@+B'
BG?' @,D' B-' 'E@'B@C@'+B +' @++@+E'BG?' @,@'->+'+-'+B@'
,@2' -C ' -C+>A +@' -C',> UG' ? A' '=-$ '&BC 2'0@ +>?'
@ @'>@AD+ C@ a' ;MOO' '+2 (M9 ' &"0' 0' $B 9' " D'
->C' >AA@C'E@C @'+B@'? A'B@' 'C@ >+@D'+-' AD' '+B@'
-C,D' ->,D'B ?'+-' '?@2' E@@'B D'C@ @>@D'.C@ +B>C+EG'+B +'
? AA@C'-'E->CD A.2
" ' ' 7' D6-(*'*0 DJ'<-D-)-'*(J-'
B@'+ -' @,C @ +'@S ?J,@' >..+'D@ @,-J?@A+'C-?' @A @'
O '+B@' 17<' ' A.'> @2'B- @ @C2' ? G'E@'J?+,G'@,,'J+' -C'+B@'
-,D@C'JBC @'!&' !!'$'* &''$1$ $ ' ' @@' + ' 1C'Q

NMR ' O '@ - -' &!*&' ' C.+ 2' -,J-A@2' B ,D,@ @2' C B2'
A@' U2' # @C'B ' + +@'+-' B-J@' - ' @>@C ,,'B@GC@ 2 '
" '& C +@' C@ @ >@'&C@ @A+'-' ,, ,B@A' @ >@'#+B@C'
C- @ J,-+ 2 ' @ '+C U '-C' @+G2' C@'->.B+' B@G'+BC >@'
7 B@A2' E-,D2' B'+@?J ' '+B'-+B@C' .DA@2' AD' ,,' C@' -,D'
>! ' ' A)5& ' ' ' 0' ' 2 $"&0' 'E@. A'+-'
?-U@' '&,-+' ' E@. A'+-' JJC@B@AD' A-'-JJ- + -A2' AD'
+B@A' @C@' -,D2' @ .BE->C2' & 0' :' ->,D'C D@' ,' - @C'
+B@'9 A.D-?' -C' '% AD D +@' ' ' +B->.B+' ! C' B-? ' A'
+@AD@D'+-' +@ ,'>' A'+B ? AA@C' ; IL'Q ' "C& ! >'
&'' $,"'5 0' ;OL2' @ -,D'+B@?2 +B->.B'`N b' " !'
2 ') ' !SS ' 1->'C@'A-+' .- A.'+-'+CG' AD' >+' ->+'
O@,,@ @,D' EG' JC-J- A.' -C'?G' -> A' AA@2' G->' :'
B' G->' ->,D2' +' ->,D' @,,' O@,,' -' E@ >+ >,G->' SKMS'
(' &'' ?&2' '$' 5 (SSS 2 ',,'E@+' G->' ' - @Y
C@ .A'G->' A@ @C' @@' 'J- B@C2' AD'+B@A'B- ' -,D'G-> ,,'
E@' A'+B@' ?-CA A.2

.-+'+B@' ?-A@G2 ' - +@C?-A.@C' C@ ' +@C'B A.' > @ '
>,,G'D@ @ @D' -?@E-DG

' 713 -<'W *6'(<)-03=
: ' -44 1 2$ $ E ' ' 7' < =L7=-'7?' 70' < =[
L7==-== 7 -=-4?'7?'3+' =-44 K' ' (< ' 9
,'OOLN $!!' 0'LM8 3 !'O-D,(7 ' >C!@'V@' E@ @ C@2'
-C'@'B , AD@' @-,@' >,,@A' ?@DB D' @ ' OLKQ 3 '
' '8$-,, (' =OP A' B-ADC@D'B- AD' @C@' + U@'
JC -A@C ' AD' -,D@' @G2'BC ++G' -C' 'J@AG' ';MNN '
' . A' - & 'C$* '!@C' 8;KKQ('LP2' B >@'
+@ +@'B@@C SSS S' J J ' - ' !G, U ' B B ' JC @' @,,'
>@'+-'J @'G->C' @, ' SMSS' ' &1 ' Q B@' C +'
+@A+B' J C+' - ' A C@ @2 : . >@'+-'+B@' -AA@' ' C-A '
A-+B@C' +@A+B' J-C+' :' -,D' G' OML< ! ' / >'S 7 '+C'
$-)' ? ' ' ' 'LN<'#>C' CG'4EGC @' B ,,'A-+' @,,'
G'B 'J- @C' -C'? +@CG

3 ' ' 7' K7 7 '=-44 K

OKQK ' ' ' ! - 0' C& ,&'0'P=L' ' @ @C' ? AD'2'
G ' A., AD2' T @,,') G2' AD' :' ,,' ? U@' >'J'G->C ,- 'EG'
'E->A+G'

: : ' -44 0' ' 7' < =L7=-' 7?' 3+' ,@ ' +-'
@,,'+B@' B-,@' 7?',7 -2=' +- U2' J- @ -A 2' @+ ('
$5%&&' 3 . ' $ "' ;K : A' ;MQ;2' "@' A @C'D'B@^ C AY
, A.' EE-A a' 'G@+'E>+' 'E@. AA@C2'E>+' ->,D'A-+'E@' -CCG'
+-' @,,'-'+B +'J @ @' OQKN & ' -'S-M "@' ->AD'>J'
B 'E> A@ 2 -,D'- 'B ' +- U2' AD' J>C D' A' @ + +@' A'
+B@' ->A+CG' SKSM ' ?!0' $ ' 2 1-> B->,D ' @+'>J
AD' @,'- ' ,,'+B) --D 'G->'D-'A-+' ?@ A',-'U@@J'-C'
G->C' - A' > @ ' OK)' I) ' &&' $ 'SSS 2 '
C?@C' B-' ' @,,, .'- 'B ' B@@J' OKQO &) ! G '
?&"' ' ' 0' 3 C2 !>JJ,'O' !@,,A.' - ' 0 C. A '
$1 &!0' $ >A' ' ' $)!!) ' SSS'L' #A G',@+' ,,'G->C'
+C E@' @,,'- 2' AD' -,,- 2 % +>,,>

: ; -44 7E*' (' 7' < =*0 3E*-' 3+' =(4-
0)' < 7 ' ' 0' S '=0' B@' "@CE@' AD' ! ,@+
) @B' @C@' -,D'->+2' 7 J>1)+' ? '.C@ +'B@A+@G@@C@,G' OQNP'
,J/+) ' $!"(2 E 0 (PNM %-?'EC A.' A' ' -,D' bS' +'
'??>,B'D@ C@C' $ +@'+B A'+ 'E->.B+'J

7' < =L7=-' L?',=*7DJ' =6(0-=' -*D /' 3+' =(4-'
, -'$1 &!0
;QO;') ' = ' 9 ' = ' KK 7B 0' &' G ' $ '8;K<L(
=PN :' D @D'B ? +-' @,,'->+'+B@' >E C J+ -A'^ -C' !->+B'
!@ ' +- Ua2' OQQ' - ' $1&1'A '8;QQK(' =N B@A' @,,' ->+'
+ ,,'G->' AU' +' ,0 +- Ua'+ - AD' 'B A' ;KL= ' 'C 0'
- * I ' ;;;' SS 'L-)' ;' C-+@2' @ADB .'B@C' 'J- @C -'
++ ? ?@G'+-'B ?'H ,0+B@' .@A+(2'+- ' @,,'->+'+B@' + U' OKMO'
= ' I)) ' $ "" ')$! "' ("@'? D@' CC A.@?@A+' -C'
@,, A.'->+' ' ' ->J,@' - 'B>ADC@D' J->AD' -C+B' ' -A -,
K<L')#$/ 1' <) ' &' &,'?5, 0' S WB->,D' J>CY
B @C' , +-' + U@' >J'B ' @ >C +@ B@A' +B@@' %@C+ +@'
AD' C A @C' C@' JC@ @A+@D'+-'B ?2' +B@ @C @, @C'B '+B@'C .B+'+-'
A +C> +' A' - ' ,' +-' T' @,,' ->+' +' -A @'EG' > + -A

7' < =L7=-' 7?' 7 -2=' D71 1 = 7 ' ' *6-'
(01+' 3+' =(4-' 7W7 4+' 3 ' , ? ' 3'(37)-/
) '&'535 +@C' -?@' ?J .A B 'C@D +-C' ,,- Y
A.' B ?' +B@' ,+@CA + A.' A' '* ,2' -C' .?@A+'
SK -' ' & !' '8;KM;(;LL' " 'C@. ?@A+'
-CD@C@D'+-' AD 2' AD'B@' -,D'->+

< ' ' 7' < =L7=-' 7?'*6-'W674-'7?',7 -2=' =*7DJ'
L07L-0*+' -*D /' 3+' =(4-' 4=7'

, -',&!!&D0' A'J C @2'+-'B @' -,D' -A@ ' B-,@' +- U'%'
-?@' C+ ,@
+)< ' # ' B ' ' '#' '(SSS)' A' J +@' -' + '
^* ' A'@ +@'a' A@C'B A.'-A@ @ +@A@' +B A' -?@'+B->Y
AD'J->AD ' 'E@ A.'-E , .@D'+-' @,,' ->+ +' ,- ' OKOL' :
) ' & - 0' -) - 0' OPP' BC@@'G->A.' - ?@A' @A+'
+-' ? CU@+' +B@. . ,,' +BC@@' -,D'+-' AD' +' +B@ ' ?@'
C +@'OK)' $!" ' 2 'K' >. 'O'P'^"@a' -,D'->+'B ' @A @D'
JC@? @ ' O<NQ' $!"' &' 0<'!@J+'L' ;2:'JC-D> @D+ -' -A@'
-+JC@ AD'->C +' U A. ' @C@' A-' ?-C@' +-' ?@') PQ' A'
@C? AG'-C' + ,G'+B@'B->+@' @' ->,D' B ,@'E@@AG' ' -,D->+'

E0 0' ' % I -- TE7*' :&&&
I ' 7' 3-*0(+' ,(' D(<<(*-/ 3+' =-D0-*' 3(0K(='
I& ' D ' ' :&":/

OKKK ? %' 0' & - - 2 0!!!(' SSS' ;SN 7 B@A' +B '
+C A @C- '+B@' -,D' +@'-' 'E-DG'- ' . + +-C' '+B@'C@ >+'
' ' 'E C. A' +B' +B@' -,D' J C+G' B B' .@+'+B@' -+@2' +' '
,,@D'T @,, A.'->+'

' -44 7)-0' ' *' ' 7' =-44(K(
3 ' 7' *0(=-0 3+' =(4-' ' L Q>
K/0% ' '+C' &- ' ' ' " ' +@' W'OKQ' +' -,D'+-'
+B ' :-BA' ,@ 2 AD'B@' -,D' +' ->C@' +B@' 5,-C@A+A@ '
OKLQ : ' ' 'C$ (- 0' = 0'#+ ,, SS ' LQO ' ? A'
' -,D'- @C' A+-'E-AD .@'+-'+B ' -C,D

: # ' -44 EL' $ ' 7' < =L7=-' 7?' *6-' W674-'
7?',('L-0=7 .=-=*7DJ' K77<=' -*D /' 3+' =(4-' 9
'4=KN ! '& ? &2 'ON< A' " D' 0'C 0'C (8;KM=('X;K'
'+B@ +@'B 'B '?7<-0B D@2'B@' -,D' + 'EL' D'?-A@G' ? D@'
;PMM' 8 A' '5\ ' ' 0' &'0'8% ?D@A(;=N " @'
-,D'>J'B '?- E,@'.#-D' AD' @A+'+-'$ @' OQK=$' 7 '
?$ $-' &2 ' : PP " @'B D'D@+@C ? AD' @,,' ,,' >J2'

3 ' 7' < =L7=-' 7?' *6-' W674-' 70' ('L70*' 7 ' 7?' *6-'
K77<=' 7?' (' =74)- *' 70' 3(J0EL*' L-0=7 / ?70' *6-'
3- -?*' 7?'3 =D0-<' *70=' ' 7+ *6-' K77<=' (=' 73M

[illegible]

[illegible]

[illegible]

[illegible]

- 1 (*747K+',=9 =- 1 (*W9$: <; / ' 0?'V0'N W 7

= K 'Q' E (0 G

[illegible]

- 1 34(34- ' ,=-S134(32:/' $0 ,(< 0 /' 4=7

' =- 1 4(34- ' ,=- 1 (4(34-/ ' =- 1 34- (3 4 ' =- 1 34('

[illegible]

*3 ' -=- 134 K =71-*6 K (40-(<+ 1- * 7 -<

[illegible]

(< TE(= W@' ,7DD(=' L

71-*6 K*6(* = 4 J- ' 70 = 1 4(0'

X *6-' 4 J- ',=--' $0.

[illegible]

H *6 TE(4 ?+ @' L7==-==) -F , -@=/ 4 J-

[illegible]

! 2 ,=- 134 34/'

4(34+'&V1 ,-/34(3 44! =- 134(3-4 - ',

[illegible]

6- ?(D* 7? (LL-(0 K *7) -W' E

[illegible]

6- (LL-(0(D- 70 7E*W(0< ? =L-D* 7? ('L-0=7

70 *6 K

[illegible]

6- ?(D* 70 TE(4 *+ 7? 3- K 4 J- =71-*6 K

[illegible]

L-0=7 2 (LL-(0(D- 70 '<-1-(7E0 ' -RL0-=[

=) -' 7? 6 = *67EK6*= ' ?--4 K=' -*D ' 70 ?- K -<

[illegible]

N H *6 -K(*)-' ,70 -TE) (4- */F)- ' *6-

(LL-(0(D- ' *6- 3(0- (LL-(0(D-

[illegible]

- E K- -0(4 I-<=- =-(<TE(= L-0=7 ? D(* 7

[illegible]

6- ?(D* 70 TE(4 *+ 7? 3- K 4 J- =71-*6 K

4 J- -==' 0-=- 134(D->

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

A' 0' - ' ' <$00 Q' ! J+' OPO ;' !@?@ -+ ' ? G'
-A +C>@D' '+B@' D- +AAU,' , A.> .@' - ' J +B-,-.G' ;KQL'
O '+C')%% ' 0' &-(' 0' ' OM' B@' @ -AD'
^+C@ + a' - ' @? -+ ' AD'.@A@C ,'J +B-,-.G' AD'+B@C JG2'
*' ->1 4' ' ' ' !' =-1 -44 '=-1 44'
?(' E' ' , 7W' H ' L /'? -' W6-(*' ?47E0'
? -' W6-(*- ' 30-(<' >' ' + ' (' '
'U' =--' 2 (!' 'D(J-' 7?'? -' W6-(*' ?47E0>
%M]<' A' 7 CD@A' ?) ' $2 ')' (' @+ ' 8;KQO(' LPN' '
, -' ?' E@ U A.@' - 'E>AA@ 2' @?@,, 2' - +' ,- @ 'U U ' ^@+ a'
;) Q' 1 0' LPO' AG' @? ,,2' -C' +,,' -C' J ' - 'E@ U A' ?@
-1 -4(<,- '8(*' C8(W *F' =--' ' '
-1 -4<F' -(04 -0' ?701' 7?' 2 (
%MRc' ' ..)' C! 'B%' S ? ' S' ' PMP' ' C .?@A+' -C' J@@ @'
- ' 'EC-U@A' @?@,D' EC U
-1 -4- '73=' ?701' 7?' 2(' ' 2 (' '
-1 -4?(D*)-' ,=Y1-4?X->J*)/' ' "' F '
0?' 'H ' 7 D-' Q' % ' *<' <7F' =--' G 1 !'
, --' TE7*' :&;! /
;KOQ' :' ('< $ '0') 0' &' 0' ' ; ;=O' B@' @?@,'
+ @' ^ @CEa' @SJC@ @ '+B@' >DD@A' AD' A.,@' - >CC@A @' - '
A' + -A' ;K=L' C &,0' C E !0' : ;NN' B@' >+B-C' -AY
D@C@D' +B@' @?@,)+ @' @CE 'g' ' "@ CD' ,, ' +B@?2' +@'
C@JC@ @A+' +B@' ! A UC +' @CE ' - '+B@' +B2' @ @A+B2' AD'@ .B+B'
-A*>. + -A ' ;K<=')"))' ' 0' 3 G' KSM' !@?@, + @' J@CY
@ +' J@ +' - '>A +G
-1 -4 '=-1 -4 D4R,- '73=' ?701=' 7?' . ' '
-1 -4 -' ,=->1@4(/' # ' 4=7' =-1 -4 '
=-174 (' , (1-<' ' 0' 3+' 4-<0 ('<-' - -)E-'
' ' 5 = ' ' #@ ' :& / '
(<' 3+' (330-) (*7 ' 3 !' ?' ' ' '
=--<' 7?' ?4(R' 0-?-00 K' *7' *6-' (LL-(0(D-' 7?' *6-'
D0+=*(4= G' ')(0 -*+' 7?' **(*-' ?7E <' '*6-' Z ?-4
NKLN' ' ' #' ' '0' A' ',",!0' &*0' 8;K=P(' '
P;K S' ! , - +,+ A +@' - ' ?)' !JB@A@' !J A+B@C@' !@?@'
,A@)' ;KLM' ' '0 ' < &!0 ' @+ ' ' ;P;' !JB@A@'
^ C @+ @ ' a' OC>A-A2' @?@, A2' J A@,, A@' ^@+ a' ;KM<' .R
.1')) ' [0' LNN' !JB@A@)!@?@6A] - >C ' A' @*@ +@D'
E,- U ' +B' @ J Ç
-1 -4 *E<- ' -1 -4+ ' =--' . B) !' . '
1 :4,=01- /' 4 '=--<' ,7?' L4(*=' (<'
(1(4=/ '?' 077*' ! ' ,F' ! ' '*7' 7W G' 6-'
1L0-K (* K' ?4E <' 7?' 1(4-' (1(4=U' *6-@=--<' 70'
=L-01
;L<K' 8) ' ?$ 0' 'C0' ('S A' ' 8;=<P(' Q=L' B@'
GA@ @ 'EG' 6 @' BG B@' @?@A' B-,D@' -?@' D- A@ CD@' +-'
@ ,@ +@' - ' .@A@C G-A ' ;QOP' & ' F , !' A' C !0' $' 0
4 4 4 , ' OMM' !-?@' +--U' +' +-'E@' +B@' +C>@' AD' JC-J@C' !@?@A2'
E@ A.' -A,G' ->AD' A' +B@' 0>,,' ^ B ,@a2' +' +B@' $--+' - '+B@'
&@A ' SKK-' <B ' ;97' B@' ?-D@' - ' J .@' - '
+B@' @?@A' A+-' +B@' >AA@,' =' A-+' UA- A2'
' -1- (E *' ' C' 0)(' . !'
?' *6-' D7)-0=-')(0 (*7 ' ' ' ?70' V'
LL-(0(D-' !?(4=-' =-134(*'
,'S) ' &' '=' $ &! '87 +-A' %,>E(' KM' !@?@A >A+' ' '
-AD@C' +B A.2' +' E@.G,G+' E-+B@' UAG*+' +AD' UGA. ' 0 ' !@Y
?@A >A+' ' ' ,G' J@GA+->C
-1 - 7->' ' %' ,$' %0' '
*' ' L7L ' ! ' ' ' ' ('
=7W K' ?' ' =--< G
Q :' --<U' ' TE7*=' C' '
c] R L ' ' 0'S 'S +2' 7 B B' ^& ,B ,' ' -A'
@G @D' AD' E-?' - '+B@' @?@A @' - '+B@' D@C')->+@' @?@A @'
? ' $' ;M<L' E D).$ % ' $1 !$ ' 'SSS 'OPQ' 7 B B 2'
D- E@A>?E 2' +B' %-,D' +B@' JC-, U' !@?@A @
?' ; ' =-<' ?70F' ' =7W K' $ H'
SK -' $ '5 ' B ' ' 0' 0' A' " ' !0' < & 0' &,0' 4 4 4 '
=N4' B@' .C->AD' =' C C@,G' @@D@D' >A,@ ' A+@D' -C' ' @ -AD'
AD' D , @C@A+' @?@A @
-1- <' =-17 <' 9' 73X' ?701=' 7?' . B '
,'5 B1$' !"'C$* '8% ?D@A(' ;K<' +@?' *'*-,,G ' ,,+' @+A@AD'
S + *' D ' +@?' '*- ,,@' C@ B@' @?-AD
+' -1- <(7+' ' 0 701L* 7 ' 7?' 17< '
' +%' I ' =--<' +%' K- *' 7?' +%+'
=71-' E13-44 ?-07E=' L4(*' L-06 'D(007*' 70' L(0= L/ G'
6-' =--<=' 7?' *6-' =W--* DH) 4'
?701-04+' E=-<' ' 1-<D -
;Q; ' 0' ?.0' &%' $ '<Q' !@?@AD G' J@C' ;NN' 7@ .B+
-1- 4?-07E=')707E(' F' =--' "'
-1- *' 73=' ?701' 7?'
S --' 0' '* & ' ' ' A' 0>6@A' ! 'C 0' 8;KK=(' " '
;Q=' #>C' I> GA+ A @' ' --' ->,D@2' AD' ' ' B-J@' C@AD'
AGJJ' +--' GC?@' -' E@' A- @' @?@A+@D
+' -1- *(.* 7 ' C' 0(<' 4(*X' ' '
3 '?' ' '*7' =7W=--<' ?' ' =--< G'
S' '30 K K' ?70*6' =--<. , 47E *' F ' : /'
-1- *(* 7 @-007 ' ?701' 7?'
O/0J' . '<$ $ $>)' +' ;L' % C A + EA2' !@?@A+ + -A
' - 1 -E - ' ' 0?' ' '=7W K'
Q' : G' S' -47 K K' *7' =7W K' D7 * E K' *7'
=--<' * 1->' , 47E *' , ' : /
-1- =- 'N0' ' 0(<' ' + '?' 'Q'
+ 'L('LL4-' 7?' '*7' -(* G' , (4? -(*-
$ /0' - 'G C +b' 3 ' K' B@G C@' -A' - ' .GJ'
AD' +B + -C+' - '+B A.2' B-' @@D' -A' +B@' @?@ @' C .?@A+'
- '+B@' B .B' + E,@
-1 -=*-0' ,=?1- =*74/' 0(' V' '(<' '
I%+ ' ,L-07</' 7?' = R' 17 *6=' ?' '
8 8B ' 17 *6G 'L-07<' 70' *-01' 7?=' R'
1.7 *6=' -=L' ' V-01(' E)-0=*-=' (<' =71-'
' ' D744-K-=' *6-' D744-K-' 6(4? +-(0
;KQ' $', ';Q' - 'LP; ' B@' +>D@A+ ++@AD ' +' D ,G'
D>C A.' + -' @?@ +@C ' ! ' ' ' 7 !0' $ ' 8;KM=('
;=M' ' G->A.' A., B? A' ' C@ B' C-?' @C? AG2' +@C'
>ADCG' @?@ +@C ' +' $-AA' AD' >E A.@A' ;KKK0$1 D CC '

&-'')0' ' '=PN' C+ > +@' B- J@AD' ' @?@ +@C' -C'
+ -' +' ' @C? A' >A @C +G' ;K<P K' $!(' E' 0' 1 $.$'
LL' B@' G@ C' D D@D' >J-A' +B@' @?@ +@C' J, A ' B'
@?@ +@C' B '@ .B+@@A' @@U
-17 *-0' 73=C' ?701' 7?' 2:
-1 -=*0 (4' =-1 -=*0(4' ,=?1- =*0(4' =?1- >'
=*0(4/' $0' 0?' >' - 3 ' ,=--' 2 0+' ' ('
G' (44 +-(04+' U' *(J K' L4(D-' -)-0+' =' R' 17 *6=U'
4(=* K' ?70' = R' 17 *6=' ?' L-0=7 =' =374< K' 7?? D-'
?70' = R' 17 *6=U' -R-0D= K' 7?? D-' -)-0+' = R' 17 *6='
4QN4: ' ' 7 ' ' ('C ',0' "* 0' ' 'S+K' @ +B@C'
+B@' B A.@2' ? D@' ,-A,G' C-?' @@U,G2' -C' ? -A+B,G2' -C' @ A)'
=*0 (4' -C' AA> ,2' *7 -A + A+' 3-D@C +-C ' S) M . 36 ' Z
C$ @' "0' '+B@G' ? G' A' +B@ C' !@?@ +C ' ' ++-A ' AY
-C?' +B@? @, @' '+-> B A.' > B' %B>C B@' ' C@' E@ -?@' -D'
;K== 7 ' 3 ' A' !) "T' V' !0' 0' '=NM' ' B@' -,D'
A-A ' @?@ +C ' ->A ' 4K=Q- ' ,'?$ ' 2 !! A'
C)' ' 4 ' ;LM L' !J@@D A.' +-' +B@' 0 AU -C B@C' @?@ +C ,'
J++ A @' ;K<=' - 0' <$00 ;K / @ ' ; O' B@' D@ ,' + +@' -'
+B A. 2' -CD' ' , E>CG ' C)' ?@A+' ?J, @ 2' ->,D' E@' A-+'
C@AA ' E>+' !@?@ +C ,'&C, ?@A+
- D- &-1 ->=*0 (4@' "' -)-0+' & R' 17 *6=
4K<4 $ 0' 0<' 3 G' PQL 0' ^"@a' -A+ A>@ 2' @?@ +C ,,G'
'+-' >CA B' B ,' I>-+' - ' @A ,+ -A)' $') *$ ' 0 '
?' ->(-*' ' ?& 0' ' 0 ' %% 3 ' =--<' Q'
%-CC>J+@D' EG' ,+@C' C +@C' A+@' B V
-01' E=-<' 3+' V0-W' ?70(
4MQ4<V?2 '$0' % 0' 8SMQO(' ;=<' B@' ++C@' ' AD' +-'
E@' - '+ -)UAD 2' !@? A@' AD' 5,-C@' B +' B B' ' ,,'
!@? A@2 E' ? D@' >J' - ' + -' .@A@C ,')C+ 2' %B @' AD'
!@?@+ 2' -A@' +I -A' @ B' %B @' B@ @' !@?@+' B @' +B@'
JJ@ C A @' 8@ J@ ,,G' A' ? A@C ,- @C(' - ' - ' ? AG' 6++.@'
!@@D ' E>+' C@' I> +@' A-+B@C' U AD' '0-DG' 5-C' >J-A' @AY
I> CG' @' AD2 +B +' +B@ @' !@?@+ 2' +B->.B' +B@G' @@?' +-' E@'
-, D2 AD' -C' -?@' + ?@' +@C' +B@ C' IA2' C@@A+ C@'
;QOP' ? $! "T' ' $-' 0' ' B@' !@?A -C?'
++ C@' -A E+' - ' + -' J C+ 2' O' %B @ 2 -C +B@' !+ ? A' '
-?@' ,' +B@?)' AD' !@?@+' -C J @
-1 -*-1 -'73=' ?701' 7?' 2
-1 -*70+, '73=' ?701' 7?' 2 1
%;PN ' > , '2 ' LQ<' ' *6-' B-,G' .CJ>AD@' ,,@D' +B@'
@?@+-CG,
-1 ,=->1 /' ,0' 4=7' !@& =-1 -' 0(LL'
=670*' ?70 ' ; 'S 6(4?(' 3-M(' '2U' (4I-4
3 ' "!) ' ,:& ;/' ' 'D*-=>' 4(== = -1'
-M(70E12' ?071' (' <7DE1-' *' 7?' @: " G'
D7** =6E)-0=*-=' , 7W(*' 3-0<-- '(<0-D- *4+'
0-))-< (*' *' <0-W=/' (' *E<- *' '6 = =-D7 <'
+-(0U' (4=7 D(44-<=-1 3(76-470' (<=71 3-M('
7' =-1 D4(==' *6-' D4(==' 7?' =-D <>+-(0' =*E<- *=U'
=-1 0-K- *' *6-' 0-K- *' ' D6(0K-' 7?' *6-' =-1 >'
D4(==U =-1 +-(0' (' =*E<- *2=' =-D7 < +-(0
MMS' ' ' '!' @' C +1@ C2 B B' +B@G' ,,' #E@D @A+' ' 0 0'
=N' !+>D@A+' - '+B@' C +'1@ C2' B B' +B@G' ,,' #E@D @A+'
E@* A+ a' A@ C -? AG' - '+B@' @ -AD2 B D(' @A+' ,,' !)A @'
SMKK' A' / ,X@,' 0' E' ' 0' 8;KMO(' ;<Q' +B@G' AD'
B ?' +-' B @' AG -?J@+@A+' U ,,' A' +B@' #U@@U , ?). @2'
+B@G' @' +-' C. A G' +B@' ?@' ++6+#' +B@' !@?').@A+'
;M<P' A' $ ' 1 ' 0 8;KPN' !# B +' A-A@' E@' D? ++@D' 45'
C@ @ @D' A+-' +B@' @? D)' E>+' +I - 'W+C+D' +CG ,' - '+B@ C'
JC- @AD@' A' +B@' C@@U' +-A.>@?2 , %&&' &)' $!' 0'
) - '8;K=L(P' A' ?G' @ ?@G@ C' ' 'E- CD@D' A' -A@' 3C'
' ' 0 M' +' +BE' + ?)' +B@' ++B' - ' 3 C B' '
-,@ ?A,G' U@@J@D' EG' +B@' @? 2 A'.- ' +-' +B@' --+ E ,' -A'
+B@' 0-CC- ' 3--C2 U ' A' 3 . "' ! ' & 0 8;<N<(' ML'
'B@' E@' C@ D@' -C -,,@)@' +-' @A+@C ' ' @?2B,' AD' A-+ -?' A'
+B 'G@ C' ;K=L' &-0' $!' ' 0' %2' ' -@ 'J'S ' B@'
+>D@A+' - '+B@' @ -AD' G@ C' -A+ A>A.AD@C' +B@' ?@C@.@A+2'
@C@' ,,@D' +B@' @ C' - 2 -C' +B@' ')1&, !& 0' [&'
!-?@+' @?@' ,,@D' +B@' - 31$8$' (' @8@!' +@@'
10L(' $ &' ' < & "' E' +0' ' 0' ;PO' ,' ;P<N('
+' +B@' A ,@$?A +-A ' B@' 3 . +C AD!' ' ?@E@ -C@' +B@'
$@.@A+' - '+B@' 0 B@,-C2' !@? 0 * A2' AD' 0 * A , @'
SKK)' ;K<;' A' @@ =' #
-1 ,=->1 /' , 8' 4=7' # ! =-1+ ' '
=-1- ' !' =-1 - ' 00-L0' ' 'E' ,W6- D-'
' * ' L '%K' M1? /$^ J>' J 'V0' V'
7 ' ' D7K 'W' ' ' F ,=--' 2+'
<7K-01' !% 1 @' (0' 7 D?' 2 ' 2 '
' A C,7DD(=' =670*- -<' *7' '3-?70-' ()7W-4
- K' ' = ' -=L' ' L7=* D4(== D(4 (* '
D71L7E <-<' ?0--4+' W*6' 7E =U ' 1-<' (<' =* 44' 170-'
D7117 4+' W*6' 7E =' 1 -<' (<' =*44' 170-'
' 17< ' *6-' L0-?R' = -R*- =)-4+' -1L47+-<'
' *-D6 D(4' *-01 747K+' 6-' D71L7E <=' 7?'
-(04 -=*<(*-' ' K4 =6(0-F*6-' (<I=' 2 8('
9 /Q] ' ' 2 2 8 '9U ' + 2 1 ;' ,% -0='
%47W1(/<0-D-' ?071' ' (<' = # ')' :# /U
*6-' =3=' 2 (') ' 2 ' , 6(D-0/'
2C ' 9 ^+' 2 8 ' 6(ED-0/' ' *6-'
*6 &*6Dn' *6-' E13-07?' L-01(- *' D71L7E <='
W(=' D0-(=-<' 1(4+' 3+' *6-' (DD-== 7 ' 7?' *-01='
170-' 70 4-==' *-D6 D(4 ,1(+' 7?' *6-1' (<(L*-<' 70'
1 *(*-<' ?071' (* / ' =ED6 (=' 2 1 ' 2 F
(' 2 ' 2 ' 2 (8 ' 2 O ('
7 ' 2 1 6 (' *' *6-' =(1-' * 1-' *6-0-' W(='
K0(<E(4' - 4(0K-1- *' 7?' *6-' =D7L-' 7?' *6-' L0-?R'
6-' ?701(7 ' 7?' K- -0(4 D1D-D71L7E <=' W6D6'
3-D(1-)-0+' ?0-TE- *' ' *6-' "*6 D ' (<' 7?' W6D6'
*' = L7== 34- *7' 44E=*0(*-' 3E*' (' =1(44' L07L70* 7 ' '
*6-' L0-=- *' (0* D4-' ,30(D6' /
' 'K- -0(4 E=-
%-?J->AD@D' +B' D* ' AD' JJ,@ 2' +B' +B@'
?@ A A.' TB ,2' J C+,G2' J C+ ,,G2' +-' -?@' @S+@A+' '
5C-?' +B@' @ C,G' J J C+' - ' +B@' J+B' ' +B 'E@@A' A-+' >A -?'
?-A' +-' >E ++>+@' T - 2 ' - ' ' -CT $!%300(' $!%3000>

('$ 0 O(' B@A @' C @' @C+ A' > -?J->AD' +B +'
-A,G' - >C' A' -CC@, + @' J A2' ' !@? E@? ,' @? '
'?@ B A , ' ' ')
SK M' '0' 0 4 4 ' =M=' +>C@' @@? +-' B @'
-CD@D' +B ',@ @,' J @' -C ' @? @C ,' D @,, A.' ' ;K=K'
= .'C&!0 ,&' 0' S; !L B@' !@? .C >,+>C , D' AD A '
SKM-' '<($ $' $' SS 'LP=' +' ' ? .A @A+'
@? V ,J A@2 @? +C-J , @A@2 S)-' ' & ' '
8;KPK(' L<L' +' ' ->A+CG' 'G@+' +B->+' ' ->,' A-+B A.'
D@ @,-J@D' A' +' E>+' B +' ' C>D@2 @S+@CA ,2) @? ?? ('
1 0' 'ONP' B ' #D A2 A B 'C>D@2 @? C+ >, +@' G2 B D'
' -CD' +-' J@ U' ;KOK' 3 ' = 6)' !!$ '!@C' 'ML' '
?J@C A.' @? E ,D' J-+B@ CG' $ AA' ')' ' !$' '
#A @' +' B JJ D' +B +' @? E, AD2' "@' ^ - @,' ?@+' +B@@' -A '
>??@C D a)' ;KM<' 8 ' 0' " ' 8;KQ=(' Q= 0,- ' -A'
+B@' @G@ +B' -?@ E,>A+' -C' @? E,>A+' A +C>?@A+' $ J>'
' C , .2 SS 2 ' @? ' E , '@@C' ' $ J>' R
. ' 0' 'L0' ' ' 2' " - '+(->' , ++@C@ +' +B' ' ,@A2 C@'
E@,->2 G@+ +,' @? @@ 6 ' ,. B+' $ J0' '
'*0' < &!0' & '2$!! '@+ ' 'OOQ' ' @? V B@? 2 @?'
?@ B A ,' - C .A' $ &>' 8;KPN(:: 0=K 0C->.B+'
A' -A+ +' +B' @? @D' ? A' $ J' ' ,0'
.(2 B@' @ -AD' C@ ->+ -A' ' ?- @D' EG' .C@ ->'
.@A+,@? A' - ' @? ,@C ' JJ@ C A @2' ,. ' 7
&' '0 &!' ' @? ::: ' ;=PL S' " ' B@ C+' EC->.B+' +-' >D'
,- 2 AD' E>C @D ' +' B@' @? -,,@. +' J C B' B>C B'
+B@C@' $>AK' .6 !' T - 3,&-1) ' = - 3,&-1))>' '
B , E>CA@D' SK K') ' A 7 ') &1 & 0' 8;KP<(' ;QL' "@'
,--U@D' @? +C . 2 @? -A 2 ,U@' '?)' +B' + - D@
' 0> 2 'S,+ 2 ,--U - ' @? -? , -@'
;QO;' !'T - F &) *,)&) (4 - ,&' C ,)) 0 (B ,'
-C J C+,G' E,@' ;K<N '$') 8) &!0 & '
8;K<;(O;P' B@' @? %-DJ@C + @' -??>A +G' +' $ AE C'
;K<' ;LN EB-C+ @? D CU J Y
.@' E@+ @@A' +B@' +>D -' AD' D CU' C--?' ;KQ<' 0' < & T'
& *0' *0 4 'PL4' ' @? 'D@?@A+@D' -,D' @J ,@J+ 'J +@A+'
;KM=' 8 ' & ,'S '8;KQN(LQN B 'B ,' , +@A+' @? DI'
@,-J@D' + +@' ' $) ' [[!!!0' LKO B@' - C @ AD'
@? D .C ?? + ' .>C@' B B - >JG' J, @' A +B@'
+@S+ E--U '-'B +-,-.G' ;KP<' /$7;' ' 0 * ,0 0\' !-?@'
@? D-?@ + 'EC@@D' ;K=Q 7 '%' ' $ .B0' B@'
@? D-?@ + +@D' E> ,-' SKMK *0 E0 0 &- - 0 ' ,('
8;KM<(OQM -' ? A+ A' A +B@' B @' +BC->.B-6' +B@' A+@C'
>A -C?' +@?J@C +>C@2' B B' ,,'U@@J' +B@' @@@' A' -A+ A>Y
->' ' @? D-C? A+' + +' 4K<P C&*' (3' &' !"') '===!
B@' A+@C@ + '-'+B@' + .@' AD' +B@' @AU DC ? + '?> B ,,'
;KM;' ' 6' ' ' 0' $. 0' ' 0' ;PK B@' A C+B@S'
-C') @? @S+@CA ,' @ + E> ,@ ' ;KP=') f@+' $'0 $ 0
0 PP' B@' @? E> ,->'?-A +@C -'I>C M 7CC+ ?@ 2+B@'
@,@EC +@D' !@ !@CJ@A+2 ;<NP - 0' <$00 !@J+'<;' B@'
<;L' C-?' -AD-A' 0C D.' ' ' @? ' +' C A' +-' 0C .B+-A'
;K<Q 1 0 K:>,G' L 0' B@' @? ++A. - +' '?-C@>> ,'
+B A' +B@' +-A' -C?' ;KQ0' ' 8 . ' '6&) ' "' S'
!-?@' @? -CE DD A.' -?? CG' -'J-, @' ;KLN '(
0' ' =P<' ' ,.B+G' @? 5C@A B+A@D' -I>@++@2 S -X
> >5& $ $' $*0' ' U@' ?G' A @ +-C' !@? C ?)' ' -C+'
- ' @? ,,-C -> 'B>? A' ?-A +@C ' ;K<=' 8 ' '
$ 'O<' ' ?-C@' ? @C E,@' C @' - ' + C @D2 5') @?'
B>? A2 E@ A.' ' A@ @C E@B@,D' ;KP< $ '5' X f ' 0
0 A'6- !0' < & 0' &,0 4 4 4 ')' !+>DG' @@?' +-' ?' ,)@
+B@ @' @ U EC A@D' C @' ' @? D-++' ' $ ' /' ' A
$!&'T ' $,0 &) 0 8;KM;(;NK B@' @? ,AD@J AD)+
@SE+@A @'- ' 3-A+@A@.C-' ;K=; " ' H 5/0 W' $' & 3
&' ' [0 8;KKQ(ONM' -+ +B + AD A. D A+ .@' - ' +'
@? A>, C' ">++?2' +' ' > @C@D' +-' "@' ' A+,A , A@D'
-??-A' SKMS' ' ,0' $2' ' 8;KQM(<P' B@' @?,' '
*>CD ,2 @? J-J>, C' ->A -A' ' B B' @C@ B -A E,@@' A'
5C A @' S!G+' -$ 01 ' $ ' A' 0 ,0!@C'; ;OK
B@C@' ' @C+ A' @? , +@A+' I> ,+G- 'B CDA@ ,'G A.' +'
+B@ E-++-?' - '/@ 3 E+C@' ' +G,@' ;KQK' ' &' 0 '
:::' S 'Q;' ' @? ,@.@AD CG' E@,@' +B +' B@' W + ,'
, @' ;MO=' 4 GG -' ' 0 ;;' ;O;' !@? "E@C ,' C+ '
;KPN ?!$,.20 $ 0 3 G'P;P' B@' @? E@C , @? -CG2
- @CA ?@A+' C-?' ;K;P' +' ;KL ' S)M' ' B ' <' & %
T - - $ ' = - '$ E H E@,-A. A.' J C+,G' +B@' !@ 2
AD' J C+,G+' -+B@' AD' S3.' ' 8 @@U,G' 0+ + '!@' +'
< =2;' B->,D' E@' ?> B' A ,A@D' +-'@ A G B ?' E' ' @? ? CA@'
C@ D@A @' ;KL<' !@? ?@ E A ,' ' @@' ;KLQ
. ' 0' 0' ' '2 !@? ?,+ CG -+>?@' ;KP<'
' 0' * ,0' ' OQP' C @+ @' -@A' >DD@A,G' JC-Y
D> @D' AD' @? ?-A +C->?' C B C +@C' ;K=;7 ' 1 .) 7'
$!"' 0' 0' 'OPP' B@' @? -C@A+, J@ +' ' + -Y
+>?@ ;K<P' C&*0' 0 &' !"' JC' QM=' B@' B@ D' - ' E@+A
B- @X A' ' -CA ?@A+@D +B @? J@AD@A+' C@ +') 3
' [[!0' L<K L' !@? J@C? A@A+ +@.@.C JB' ,A@ '
' B7 ' &-' ?&2' &C@' 8;KQ;(' J'S' ' @? J-,+ ,
@? @CD-+ , C +@CA +G' ' < ' ' '&0
6 0 ;< A' -E+C> ' ->A >J-A' +B@C ' + -A' - ' ' !@? J-JEB
0--U' - '%-??-A &C G@C' SKM-'). 'C & 0' C& 0 " 2'
B@' +C A + AC-?-?' +B@' @? J-J> C J-@+CG' A ?-AU B'
+A' +-' 'D@ D@D,G' J-J>' C J-@+CG' A' +B@' J>C@' $-? A B'
;KQM ' $,$*' &!' ' 2 B@' @? bJC +@' +BC-->.B'
C@' ;KN=' ' 0' 0' 'OL' /@, + 2 -CD A.' +-' B 8'?@0@A+'
B ?a2 C@ ')!@? J>E, 2 -C . A+ -?@ , -CD@ C J+ -A'
- 'J@C -A ' ;KQP#3 ' &/ "5 0# h! -P"PE&2'JA +@'
AD D> , 2 -C @? J>E, ' -?J A@ +-' >AD@C+ U@' +B@'
-CU2' ;K;)' " (8 ' &!0 8;<N=(M ;' #A' >E*@ +'
)@? C@, .->' AD' @? B-, + ' ' ;K=; = 3 ' 0
&!& 0' =' &!0 ' 'PN' A.>, C C @2 - ' @? C@J>E, A
B E+' ;K<=' -0 0 0' 7#S B@' @? $-? ?X@D'
0C+-A ' OJ& 6)' $!" 'OP' B@' E-D@ -'+B@ @'
@? +C-G , -E@C J@C -A ,@ ' ;KM=' $!-'#S 3 C'M B@'
?-+' @? C>C ,' ' >E>CE ' ;KM=' $ 0' 0 L;'/@ 'K;O ;'
! @A+' -C' @? @A+' -E @C +-A ' ;KMP F 9 '
)0 0' 'S 2 ' @? @ C A.' ?@ ;KQP' '
<$ ' ' ;;'8@D'O(' ;Q=' @A A+' C?@C' - ' ' @? @C ,@ -AY
D+-A ' ;KQL' 9 ' 0 =' ' 0) 'O<L) ' -A.'
AD' +@D ->' , ?E' >J CD' C-?' ' ? @C E,@) @? ?->'
+ +@' ;K<<' $!"' 2 ;<!@J+' M Q 'B ,,G2 C- ->A+CG2
@? A.,@ ,A@C C G' QKN' 'C' ,0 !0S
e XK' 7 B@C@ +B@' ?-+ @ ' '@? - -A@2 +B@' ,- @' -'
C@J>+ + -A' ;MON +s' (' &'0 $ 0 ! ' 'e' L' B@C'
' ' E>+' @? -'@?A@' >&' 9 3 " = .3 . ' E' ,!'
6& ''S ' 'P B +' @? J-C+ A.' JJ@ C A @' B B' E'
++ A E,@' EG' ?@ A-' ' A+G +C-> @C '^@+ a' (□□ ' AF'
?)' '$' ' +=' ' @? >J@CA +AC ,' E@ A. ' ;KPN !@? ' -CG'
@ @@ - 3 1 $! E- @a');KK=' $', 0 5$-0 < :>,G'= J
' @? ' ?JA.' - '+B@' .C >,+>C , E->C@C' EG' +B@ @?,'
>CE A' J-J>,+ +-A' ;QKN' ' 0' &' 0' . $!' 0;'
:>A@2' ' @? @.@+ E,@D@+' $>&0' ' '
' 2 ;=N B@' >+-?+ ' AD' @? ->A+ CG' S@C+ -A ' -

U B@ #F+ -D -C @? - ,J C-> ? ?? , ;<NN 7
)3! 1 A - &' $' V *0 OPL @ @, +B@ ,, -
B B C@ J@C?@ E,@ +- +B@ -, @A+2 E>+ A-+ +- +B@ D -, @D
>E + A @ 8 @? J@C?@ E,@ ?@?EC A@ (b ;MK; < 8
)) - LKK # +B@ -,->C - G@,,- ?E@C2 AD
@? J@C) >-> ;!LN). ' T " E ?& 0 KM% A
B ') ? J@+ ,- D CC@.>, C ,GS AD A- J@+ , ;<NN M /
: %9 - <!& 0 ?& 0 - (T - $ $ (B@A -A,G J-CY
+ -A - +B@ ->+@C ,-C@+ - %-?J- +@ C@C D A+ AD D ,@C
@A C-? +B- @ - +B@ D U SK M : , 1 ' &-&!0
L-M !@? C@ -AD +@ 7 B@A +B@ B@ D2 B , - @C@D EG +B@
B @,D - D @ +B-C S ;KKL 5 #7 $ A ',",!0 ? 0 4 2
==N O %, B-C+2 -?JC@ @D2 >+@2 >C @D2 - +@A @?
C@+C + ,@2 $ &J B A ',",!0 &*0 OK< ;
! ?+@++?@ A +B@ @? C@ -,>+@ !B@,, 2 +B@ B-C, C@
J@C @ +,G D + A + C ? @ B -+) ;KMM $ 0 ?& 2 T - F
* $E B , J C+ + -A@D B A.2 D @J ?@A+ B B
D-@ B-+ JC-*@ + A+- +B@ +G +I B B + E@,-A. > Y
@A+,G +- >+ + - A+-+ 8- @J C +@ @,, K K ! -0
$ (E LL!E@,,- +@2 A , +@D2 @? J C , ;<NN M /
* F9!# + <!& 0 ?& 0 - (T - $- '$ (B@A J C+ -
+B@ +3 A@A +C@ B A.@D A+- J@+ , ;K;P B 8 E -0
&', &!0 4L; !B@,, K , @D @? +C +@ ;<NN 0 / # "
!& 0 ?&V - (T - ! $! $ (B@A +B@ , @ -
C> + C@ @V :G J C+ ,,G D@B @A+ ;K=Q P= 9 ! T - 3
, !!$ (J C+ ,,G @C+ 6 +@
@ / @ .A + A. A A ? , -C @.@+ E,@ -C?2
!(J@@ @ @+ B B B -A,G -?@ - +B@
B C +@C + - +B + D@A-+@D EG +B@ @ -AD
@,@?@A+2 -C A+@C?@D +@ E@+ @@A +B + AD
A-+B@C2 H , FGK ' .6" $,@?>C(2 "
% + * % , 8 ' .6"
$- 9 , 9, 8 B@A @ , % D* 2
,+, 8 B@A @ ,+, , % + D* 2
< ? , C,G A A., X@D -C? - V A ?@ -
)---) , .C->J 2 @+ 2
L E@,-A. A, +- 8-C ?@? E@C
- (+B@ .C->J
@? AG?JB ^b 5
#; 0 !; AG?JB - > B A @ + >AD@C.- -A,G
, .B+ B A.@ A J A. +- +B@ ? . - + +@
SKKM ? :>,G OOQ B@ ->C.C->J - EUE @
C@ A @ C B C@ !+ , + 2 !@? + , 2 - @+ 2 AD !@?, -
@+ & &E & E 0 >8;KMK(QM ? -A. +B@
@? E>CC- @C @? G C AU +B@ !+ C, A. +B E CD AY
C E,G , G + @.. A B-,,- - - ?@ U AD ;KM= $
OL JC)POP L B@G ^ +B@ -) H C@ , J?A .C D@
-C @?) , + .C D@ ;KKN (8 A 4 QMN O
B@ .C->J N;)!@? @.C@+ 2 -A+ AA. -?@ A A@ -C +@A
-C? 2 * E- 0 / # <!& 0 ?& (- (- !, (
[>U) !+@C?' -C -C? B B B@A D@ ++>+@ - +B@ C JJC-Y
JC +@ , A >E + JC-JBG+@ ;KKN 9 0 E 0
V &@ 0 QNM B@ , C ^- ->+B@CA C?G -C? -C -++-A
-C?a @? ,--J@C ;KK</ 1 ;=;P 7 B@A
+B@ ED-? A ,@. C@ C@D> @D A A>?E@C =C $(@ . (+B@
, C @ C@ D +-E@ , ---J@C) -C !@? ,--J@C 2 +B@G
>?@ + - ?@ @S+@A+ +B@ J@ > , C ?-D@ - JC-.C@ -A -
+B@ @-?@+C D , C @2 B B C@ UA- A --J@C) K+W
\ 1 &-&!0 8 K K(MK B- @ - +B@ AA@ A
-CD@C "@? J+@C +- B B +B@ A ?@ - @? -?@-A@
J>J @ JJ, @D EG AAD2 AD +B + - @? AG?JB EG
-?@ -)@C >+B-C KMK 9 . -0 LP C@@A
J@C @ + J C +@ " ,) + (AD ? -C@ -C ,@ -,->C@D @?,
J C +@ = !$-*") - $ +0 SK QK K-) = ! +
3 -A-.C JB - +B@ 5C@@ AD !@? J C + %-J@J-D - +B@
+OC + B , AD ;K<=C &,0 ?& &" &,($0 0 44 LLK
B@ E)) E +B->+ , EC>?-C@J JB CGAS2 , - D>@ +-
D J+ + -A +- + > +-C , B E + AD @? J C + ? ;KL<
C ' * " ,!0 4 LOO S A @C- EC A B A 8&E ,, D A
!@A> JA ,, D A _ ;KQN " (' 0N&&!0 SS S
8;KQP(ML= B@ @ -AD ? ,G - +B@ !@?+ J, A+ .C D@
% CA -C@ +B + - +B@ @CC D @ MMK 9 $!
$ 0 ;=P !@? C J -> + @@D A. -??-A,G @ +B@C -A
% CC -A2 -C -+B@C +B A. 2 AD ?-C@ @,D-?@ -A , A.
A ? , SKKM !@? + +8 @@ , -,3$ & , E- ,@a
? 2 D6 -74+ (1-= , (* ?701
3E*7D- = (K4 D I-</7? 1E=D4-= =*E(*-<L(0*4+
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;KPP B 7. ,$! 5 ,&'(!@? E>,E - +B@
@?)'?)!1) 1)!0 ;KPP 8 2 &" S OOM
B@ @? D@> + -A - +B@ -J+ A@C @ 4QLL B7.
6 !& > $ 0 8;QPM(O= !@? A+@C - +) C+@C @
1 0 ; B@ A+ +B@A C -C A+@CA !@? A+@C- @>
- +B@ B>?E 1 0 O;M !@? 3@?EC A-> B
-A. +B A 3> ,@2 J C+,G @AD A-> C-? B@A @ + B
+ A ?@ ;KQW B ' ,"? 0 K=; B@ E Y
@J ^ A @C+@Da A+- +B@ B@ D - +B@ ,E>+ 2 AD @?
+@AD A- > AD @? ?@?EC A- A+- +B@ >JJ@C @AD
- +B@ +E 4K<M 3 " 0) T L; A @A, C.@Y
?@A+ - +B@ E>C E@+ @@A +B@ @? ?@?EC A- > AD
AA@C B@ D - +B@ .)+C- A@? > ;QPK ! ? $ >
1 0) 0 8 QQ (/ + % K - -1 $ &)(
?@?EC A-> 3> ,@ +B + @C @ +- ?- @ +B@ @. ;K=L
< 3 " 0 ! 0 0 SS 2 LPN B@ @S+@CA , U A #C
)@? ?> ->?@?EC A@ - +B@ ?)@ ;M<L +C ?!$,$ T
C. " 0 (8 D O(2 - ' &) ') ,)!) (+B@ !@?
A@C -> 3> ,@ ;QN= #! ' 50 , 0(T - 3
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B B - ,,@D C-? + E@A. B , @AD A-> AD
@C @ , U@ ;QLL B7. &2> $ 0 8;QPM(
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EC- D@C +B A B@ A @C -C 1 0(B@ !@? #CE >, C@
C@ -??-A,G ,--U) >J-A -A@3> ,@2 >CC->AD A. E-+B
J 2 C-? B@A @ + # ,,@D #CE >, C ;KQ<+C A)$ 3
$) - 0 * ,0 = B@ @? C-D >E + A @ B B
>CC->AD +B@ C @-> -C B-CAG UA@,@+-A ;QPL $ - 1
",!0 !>JJ,2 T , - \ * $! (?> ,@2 ,,@D , - $ 3

* $! & 0 ;KQP B A ' ,",!0 ? 0 KLP ;
B@ @? J A ,) ?>,+ ,D AD C-+ +- @ J A ?> ,@
;QN= T - ' &) ^ @@ - &) W0 ;QLL B7.
!& $ 0 8;QPM(: OSP B @AD-A A @C@D2 E- @
+B@ !@? @AD A-!> ;KQP B A ,",!0 ? 0
K=; B@ + -A - +B@ C+-C > 2 C , AD @? +@AD
A- > 2 B B C@ A @C+@D , - @ + - .@+B@C A+- +B@ + E S)
B7. !& $ 0 8;QPM(; e MQQ B@ 3> ,@ B B
?- @ +B@ @C+@EC @- +B@ O U AD =V? @C@ +B@G +- E@
C@ U-A@D @J C +@,G @C+@EC ,-C !@? @C+@EC ,3> ,@ ,
K 5 (< - % + % (=
% % % + +%+
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, % , ,W6- D- , %+
+, +
" 0 &,0 50 - 3$!1 - (B , B+@ -AD Y
+ -A - +B@ U A2 -?@+ ?@ - >CC A. A A@.C-@ ;K<Q !!Q
1) > " 0 0;; ONO / @, C>?2 @C. A. A+- @? -?
;KQK 3 &) 0 LM)@ -?J, A@D
@C+ , B@ D B@2 E@ ?@ @? -? + - SK- $!! ,
!& 0 0(T - & %!) (B , -A ,>@A+ 6 @D JM%
,",!0 0(T , J-S ;K<Q !!1) " 0 0 ;;LQ
U AD - ? , J-S ;K<Q !!1) " 0 0 ;;LQ
A @, + @? ,> +> A+ @ + -A -A J@C F C JA ;KQO
C $, 0) 0 QL= 5 S@D @ A ,> +> + A. .C- +B
;KQ<M) < & > & *0 *(4 QL !@? B@J + O + -A - @ +
,>A. ;K<K " 0 &,0 50(T - 3!) 5$ & (G* -C)1T
!)5$ & 0 SK) , 0) 0 8@D =(=M< !@?
3 ,.A A >?->C SKKS $ 0 1 (&,0 & D I [[0
LK= ;B@ J +@A+ C@ + A. @ +B@C A +B@ @? JC-A@ -C @?
J@ +-C , J- + -A XK) " 0 &,0 50(T - * & $ & (
+B@ !@? JC-A@ J- + -A2 -C +B@ >?A.- +B + J- + -A
;KQ))6) $!& C&,. ? .0 8@D L(LNK B@ A A
D D> , B->,D E@ J, @D A @? C@ >?E@A+ J- + -A
;KK< ?), > $ 1 0 0 , 0 PL= 7 B@A B@ B AD
@? >J A +@D2) 2 +B +B@ C D > AD >,) J C ,,@,
;K<K " &,0 50(T -) * $ & (B , >J A + -A
J- + -A B , G E@+ @@A >J+> + -A)D +G A. -A +B@ D-
& (= % 9 % % $
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SKK- 1 >) 0(T , $, 0 : 8 E -0
0 8@D O(N; B@ % ,S B B @C+ A,G @?+
D ,@D +KMK 9 0 -0 LLL !@? E@AX D ?2
+B A ?@ . @A EG [A A +- ?A->AD JC-D> @D EG
+B@ + -A- >JB D@ - ??@? >?-AD A +C-E@A)@ ;KNK
C !(?4% ,+ <K +>C +@D -D 2 E@ -?@ +C>@
@? CE-A +@ EG E@A. @SJ- @D +- C@D E@ +=K) 1 0
4% =NN 7 --DG ,EC@ A + +@ - =@? CEFA X + -A
4KQ< %," ? (4 ;LO O -D + A + >E + A @ ->,D
E- @J C +@D2 -A@ JC@ J+ E,@ EG J@C) -C D@ J, +A>?
7B B B@ ^" -?@ +@Ca @? ,>++ 2 AD +B@ -+B@C2
B B@ ,, B@? -,6A ;KPO 9 !< 7 $ 1. (0
-0 L== !@? +A JB+ , D A@2 %*-" 2 -E+ A@D B@A
A +C-A JE+ , @ +C@ +@D EG [A A JC- @ XKMK 9
0 -0 OLL !@A>A3 B+BG ?A@ Z " P ,
,,@D !@? A JB+E ,,D A@2 !@? A JB+B , D ?2) AD X-
A JB+BG ?A@ E @ JC-D> @D EG +B@ + -A- >,
JBGDC +@ - ? ?-A >?-A D A +C? JE+B ,@A@ 4K<M N6 #
) C 0 0(T - & - ,E &!) & (-A@ -A+?A
A. A ,-> + -A B , +B@ I> A+ +G - +B@ >E + A @ %-A+ A@D
A +B@ A-C? , -,>+ -A ;QN= 8 ! - 0 0 8@D O(
LMP 3- + @? -SG.@A +C , @- C-A2 $ O &%X 8 +@D
EG 9 D T - 0&5 O (;KNW B) , (
$ PPM @CG -,>E,@ @? -SGD +@D ,S SK K L
9 !T - * !& , $ (J C+ ,,G ?JC@.A +@D +B
JB,- + -A ;Q<< 0 - !0 LQ< B@ A@ >+C + D ?+
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,@D , G ?-++,@D EG , G@C - @C ,>? A-> ? !@?
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<<N B@ A+BC +@ E@A. JC-J@C,G @J C E,@ A+- " CD
A+BC +@ AD !@? A+BC +@ +B@ 0 +>? A-> %- ,
A+- DCG -C !@? E +>? A-> 2 AD + -C +C>@ 0 +>? A->
%- , ;K<K C&*0 , 0 & ! ,, =MM A +B@ @? C D
C@. -A +B@ +C>.. @ -C @S +@A @ - .C@ + SKDS !@?)
C@-> @ ->?!$;K<K > -3$!) - %&)](O>0&: 8 ! - (
8@D O(:;PK @? -?J + +B@ A +>C@ J-C @Y
, A ;Q<M 1 (L=K (@? -?J +@D . , +@D ,
? $ &0 < & 8;KPN(=LL B@ @? -A+ A@A+
@ " -,, AD ;K<K $ 0 4 S-M $ @C
? GE@D D@D A+- ->C .C@ + @ 8S(+B@+ D , 8O(+B@
D@,+? 8L(+B@ @? D@,+ W AD 8=(+B@+-CC@A+ , S%)
< &! S 8;KPN =PP B@ @? D@ @C+ %, -CA 2
SJ-, 7 $ - +C , - * C C!$ < & 0 ;ML C A Y
+ -A -C? E@+ @@A D@ @C+ -A +B@ -A@ B AD2 AD --D, AD
-C.C , AD -A +B@ -+B@C2 C@ +@C?@D @? D@ @C+ ;KL< #
< &!0 & !%$ $ $(@?, @S+ A + -, A-2
@? ++ A. -A,G . @-> >,JB>C->S@B , + -A 2 AD I>@ ->
J->C ;) " 9)8 < & ! * ! ? (
) 0 <L @@+B - !B CU 2 A @? - , + +@ $>O$
A C. (! k 444 PN !@? .C A + 2 J-CY
JBGC + 2 AD -??-A B A +-A@ SKSS C &!(
;<Q , ++,@ ?-C@+B A @? B CD2 -A,G E@A. J E,@ -
E@A. C + B@D +B +B@ J- A+ - UA @ $>0&: 8
E-0 0 8@D O(QM 3 ,D %. ,S A - - @ -C @? AY
D>C +@D -C? O>OO : 8 < & 0 OLM ,- @?
, JD @D ? C, ;KN 6 !!)) & 0 & "
[PL B @? A@C , X@D - 4KL< ' ' ' "
< &!0 & 2 $!!(@+ KL !- ?@ @CG C@ ? CU E,@ C- U +B
? bCJBGA+ B C +@C O>OO : 8 < & 0 ==
!@? JC ? .@A-> +C + 8 -D, @.@AD@ ( ) 0 LNQ) +@C
+B B ,@ AD - , ,+@CA +@ >A+, ,, +@C ? A +@ A C@D

d @? JC-+-6+@ ;K<N F $ $, 0 &!,$ & OL B@
@A)+ -A, C@ -A,G @? - A
M (1-= 7? (0* D4-= 70 L07D-=-=-= 7? 1(E?(D[
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$> % 3 . A C !0 $ 0 44 < B@ @?
, A@D J C+ ,- + +U +B@ +-J ;KOP : (. * 0
.0 =KO) E@ E,>@ JC A+@D +@ C@ B C@ @A+,G -E+ A@D
+B@ A ?@ - @? B A 2 - A. +- + E@A.2 B@A @,, C@D2
@CG A@2 B +@ AD A@ +2 AD J-)@ A. -?@ D@.C@@ -
+C A J C@A G ;K<O $1&) & - - &" ,- 2T - 3
1 ,. (EC ,) ? A> +>C@D C-? , G2 -A@ B , DCG AD +B@
-+B@C B , D ?J ;KQK "," !0 ? 0 SQQQ 5 A@ @?+
DCG - C D> + JC- @ J ? A> +>CA.@A > + +@ ;K<Q
6 , <) C& =N B@U AD - @? ,. X@UA- A
? @ C ;K<L C& " C$, !L<; B@ C+
., X@D -,D .-D ,-C - +B@ D* @A+ +@CC -++ ;KKM
<) 5 &0 <$!! ? 0) 0 0;N B@ J-++@CG @?
J-C @, A2 AD J-C @, A UA- A 9>+ A C@Z ? D@ A +B@
JC- A @ - 9 . ;<NK 0 - ON 3 C L<= O &C@+@G
A- @,+@ A @? J-C @, A SKMS - & " O=; 7B +
B@ ^O@ @?@Ca ,, @? +@@ , ,!0 ? 0 8@D (
4 OKM ; !@? +@C . @ J@ ,,G D J+@D -C +B@
J>CJ- @ - DC A. @A. A@ -A +B@ @SJ,- @ JC A J,@
8. ?-+-C (
4- - 7* K =*+4-= 7? (0D6*-D*E0- 6() K 7 4+
=71- 7? *6- ?-(*E0-= D7 7*-< 3+ *6- =-D7 < -4-[
1- *(= % % F Y !
$ &J L = <& , !8@D P(O;<9@G +-A@ +@C +B@
$-? A -C + , A @? , !+G,@ ;KO< 1 0 \ !@?
-C? A &?A+@D C B
: (1-= 7? 1-D6(D(4 D7 *0)(D-= ,=--
TE7* /
;<NK : ' - " C 0 ' 0(T - 3) &T
-$,(3U JC + ,,G D@A+ , A ?@ A A. +B +B@
+@C? @, + A. .A @ I DB A@2 - A@ -C +B@ ? - @Y
?@A+ -A,G - B B CI >+-? + 2 AD B +B@C@ -C@C@Y
I> C@ -A + A+ ++@AD A @ $ &: 7 0 ,0 !>JJ,
Q<M - %5 (D - + @ ? @A. A@ E-,+@D +@ A C -A
->AD + -A J @ @-A B) + ? G E@ ? - @D A+ + 1 0(
T - T-)! 3%) ?& ! (,>@ J, +@ S@D A +B@ ,>@
B-C+ DE+ A @ E@B AD +B@ >CA @2 AD A>?E@C- C->.B+
C-A -C EC ,>@ J C-? +B +2-+B@ E U - +B@ E- ,@C
E- ,@C A B B J-C+ -A - +B@ G, ADC , A@,+ - >J @D
1"' ,>@ ;Q) .$ 1 ,!(!>JJ, 2T - 1 $ & "
% (A E@? ++G2 +@C ? > @D +- @SJC@ > B C@ @CE@C Y
+-CG C@2 A B B +B@ , ?@ -A,G @ +@A E U >J-A +B@
E-++-?- +B@ @ @ ?! $!B% &(D . X O B@
- ,,@D @? C .D C B J
& =D-44(-7E=0==14 (017 0 L -0D-0 L -0D[
K (LL4-< *7 (J < 7? =6-44 ?70 L-0?70(* K
=71- *6DJ -= 7? (017E0 L4(*-0 ?=-1 30 DJ
0(?*-0 1 (6(4? 3(J-<30 DJ0 =-1 3E44
G && (3E44 ==E-< 6+ (L7L- 3-?70- 6 =D707 ([
*7 , (== / 7 =-1 7?*0< (4 (LL4-< *7 *6- L7 *=
7?*6- 71L(=6(4? W(+ 3-*W-- *6- D(0< (4 L7 *=
(= 0 ?=-1 D L6-0@ (7*6 K 70 737<+0
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17 -0 (<-1+ 7? (K<(?7 744-K- R?70<0
=-1 D7 <ED* K) % *-01-<(*- 3-*W--
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D7 <ED*70 0 =-1 D0-* S()(0 -*+ 7?D0-* W67
D(=-L-(J (0E< 1- *(0+ H(+ (< D((LL0-[
D(*- 6 = -)-0+<(+ 37< 4+ -D-== * =>
4 8 :&"&/0 =- (<-? *- 4 % 1L4+ K
S=71- 3E* 7* (44?0 =-1 ? (4 ?77*3(44 (<
7*6-0 D7 *-= *6- 1(*D6 70 07E < 11-<(*-4+
L0-D-< K *6- ? (4 7 -0 =-1 K0(< (<
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,=-- 8 #/0 =-1 677L (=-1 [
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(LL4-< *7 *67=-W67 *6 7 K6 <-(? -== =L-(J 7 4+
1L-0?-D*4+0 =-1 L0-D 7E= (,7? *7 -=/ *6(*
1(+ 3-DE* (< L74 =6-<3E* (0- 7* =E1 -*
)(4E- *7 0(J (= K-1=0 =-1 L077? L077? <-[
L- < K 7 *6- -) <- D- 7? (= K4- W * -=0
?=-1 * 1- S6(4?(* 1-2 ,=-- -) R ;# (<
D? ( ) ; R !/0 =-1 * *,=-- TE7* :! ;0
P -14 *07L D,(4 =E3*07L D(40 =7
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;K<P $!" 2 ;= - MP BE -?J AG >) G
A. @?E C?-> J@C @ O?E> ,++- J@C -C +@ A +D)C E @
+B UA@ - C?#?C AD +- E>C + > @A+,G A D@ 8K<K
-0 < :>A@ P ; !@? C? ->C J@C A. B@,, AD
-+B@C @??>A + -A SM-S ..)C! " S S S :LO 7 +@C
B@C?A +B@ J->D@C - @? EC DU- -C B ,@ V U@D +@
? A.,@D ;MPL $ +C ?$,&) ON @+% CD A,
AD@ E@+B- @ B B E,- C-? -?@C -C A.,@ - +B@
7-C,D !@? CD A ,,2+B- @ B B E- A +B@E ,@ CD
+B- - ;PPN 9 ?$" &) 6*2 -@ +B@CD
.-@+B !@?@ GJE@C A.@C B@C@ .-@+B C@+- E2
- ,,Q2 AD E C +EC+A.@C SKKKC $!! $!!< ,;O:>A@
B@ -CU A B B +B@ @ .>A B->,D E@ ?>A+@D @
?> + E@ - +B@ U AD A +@ BA ,,G > @? %,- @D
+C-A. @A->.B +-J C@@ A+ D@+ B?@A+ U A. +B@ A +B@
C@ C2 SDJS 9 0 5& 0 ; = 7 ,, ? ,G@ W
,@ +@D -A@ - +B@ / @? @ JC !@? -??-A@C - !+ 3 CG
3 .D %- , A ;=KM ;Q;P 3 V2 !) ? ;: LM B@
-C@ D 7 ,, ? C- GA2 E@ ?@ / A@ -C !@? - ?Y
?-A@C - !+ 3 CG 3 .D ,@A%-,,@.@2 #S-A ;QKQ 3 .
A C !0 $! 0 44 ,,,Q ?@V-AD> + A. -C ?J@C

@ +,G A >, +A.'J, A@' ;KQ< E* &''
2% CE-A AD @C+ A -+B@C @? -AD> +-C $'$ /
7 ' . & , JJ 8SKM-(:: OQ< "@C@ &- ? G
?@ A &- '&'!"U &- '& $!!0 "@C@ &- +B->.B , G
A @C+ A D@.C@@ AD@ A +@2 D@ A +@ - C +@S ,>D@
-?A +>D@2] > @D A -JJ- + -A +- , B : ->,D ,,
+ !@? D@ A +@ ?@ A C) $ %& 8 & , 0 ;LQ
7 B@A@ @C @ JC@D +@ @A> - !J@ @ 2 +B@ &C@D +@
-E -> ,G I> A+ @D & C+ >, C AD & B B
+B@ JC@D@ .A + -A - J C+ >, C +G2 ?> + +B@A E@ +B->.B+ A
+ @? D@AA +@ @A @ ;KK=) ;L D C LM< O B@
@? A , + @ E@+ @@A -++ %->A+G A +B@ 0, UE>CA
$- @C ;K<P $!" 2 O+ 5@E P P !>AD@C, AD2 +B@
->C +@ -C +B@ +C-JBG2 C@ JC@++G @C+ A +J -E+ A
J, @ A +B@ @? A , ;KLP &) $ (!0 OON O !@ @C ,
@C@E.C AD @C@ , - B- A +- > C +B@ @ @C@2@I> , A
J- @C +- #CD A CG .C AD J A- -C+@ 2E>+ +B ,@A.+B@A@D
>AD>, + -A - ->AD ;K=O C ' '" $ (LN JC ;QO S B@
@? .C AD J A- -C+@ ;KQP 8 7 !1) - A =P
EC AD A@ E-C@ B@ ,,) ? .C AD <NP $!" &'(
O - L)!@? B .B E-D @ MKQ 9) % 8# " ! :
" OOM B@G > @D +B@ -C@ C-A+ - +B@ C B@ - +B@
@ @C , . +@ +- E@ +C A>A@D >J +B E- @ AD .C@@A ,@ @
+ @D +- @? B--J 4KLP M & > ",E '$E 2 OKL O
A +B@ +C>@ QC +B@ J- +@C -C , +@C , JC- @ @ J
E U CD @S+@C -C +- +B@ AE 2 !>JJ-C+ A. +B@? A +B@ %
J@C 6 @2 , U@ @? B--J K) 5 $ 9 . (' %0
ON B@ @A@C E,@ O@D@ C +@ - 6AD ?@ \@?+
, A ;KMQ $!& & F1.(% T - A
-,D +@C ? -C 1 ! E N- 9 . & , 8@D (
;LK B@ -+B@C U AD ^- -. , ,, @ a ? G E@ ?- + JC-Y
J@C,G ,,@D @? ,-. O(,, +B@ @ - ?E .>->
? DD,@ @C ? @S @J+ + A-A D +C E>+ -A ;KM= 9 !
T \ 3-) L <& >T $ (5@E ;ML ; B@ -C , -CU
B B + C + -A,G D-A% -C +B@ E@A@ + - @? Y
?>+@ [<NP ?&&. -$' :>A@ KL S 3 @+ , %, J @+ +B
@+A JC@ -> +-A@! ;QOK ",%0 T - * &&%
A ?J@C @ + &C-- B@ /@J- + -A - A.,@ D@A @
-A,G ? U@ !@? JC-- SK) B3 , 2 (8@D M(2
- 3* &&%(&C@ >?J+ -A - + C@ - ,,@D ;MM= "
= 5*0 Q * 0 ;NP B- @ J@-J,@ +B + U@@J ? G
-CU +- +B@ @AD2 +- +B@ , +) @ J + ?@ - +B@ !@ @A2 +B@G
B ,,B @ J- @C - @C +B@ & . A %BC + A XMK] C$ $! *3
C &* (OLM !@? + ?@ 8 B B : ,, , -2 A -A@ -CD2 A
"@S ?@A-A(;QPO ",E ' % AD T -)
' (A J A+ A.2 D@A-+@ +B@ @ @C , -,->C > @D A
J +>C@2 -A D@C@D ?-C@ -C ,@ B .B2 -C EC .B+2 -C
D@@J2 -C +B A2 -C @ U@A@D2 AD D ? A)) ;QQL < ' 0
, B2) 4 , O;M B@ .C@ + , .B+ C@ @,, @ +->.A -,->C@D2
E>+ +B@ @? + A+ C@ +B->+ .C @ -C C @+G ;KPL
: 7 . "*$ $ S B@ E ,A) @? +C-J A .B+ :&)
$ 1.0 E 0 0 * 0 ' ,0 ;); B@ +C> AD -+B@C @? Y
+C-J C> + SKM- !@? +C-J , = 0 -1$!* ' A S E- @a
;K<N $.) 8) K WP5 8;K<NOS= B@ .C- +B
- @C+ A @? +C-J , C-J 2 S) $ 7 '
' c/ B@ @ I> A+ , ++,@ E, U I> , - +B@ @? +C#J

/ ! $ "5

9 / $ K$ 2 Q 2 $/

O$ Q $L 3 $ ' >

;KSP T ! , 1 ' & - &!0 8;K;K(: PK !B->,D G- > .C@@A
B-> @ E@ A @ +@D +B JB D@ 2 -C G->C .C J@CG EG +B@
!@? A ? +@ %- > ;KKQ C $!! $!! <$0(OQ 3 G 5
B@C@ C@ 0 ,, E@ -C@ & C, ?@A+ B@G ,, C@??A A
+B@ C JC@ @A+ @? A ? +@ -AD + -A2 SJ) A ! A
$-1 0 (' 0 0 ON< B@ @? A ? +@ -AD + -A
- +B@ A , 3 0

7 -1 ?*2 1 (*-< $0

SKKM & / &) - <M ,->DG D G + ,,a
+@ ?J+ +B@ ? ->+ -C @? A ? +@D A J@ 6-A - +B@ -C,D

/ 0? O$

9+ 4 ?-/ Q 77= G ^ L -D

O A/) ? ' $-> ?.($!!$, 7 U ;KP<
QN O &>A B@D EG @? A ?-> @? D @C-> ,-D.@
4KLQ] O ' 0 ' ! &' E D OQP ; !@? A ?-> # (+
E U2 -C .-C-> -A + ,@.

9 / $0 ,(<0 / 7 2 3 ?

++ =- =- ; (< + 1

%$ * 3 2 2 D 2 2$

VQW) ^ @@ ") B . # $ +J C 3 $' (4% =QN
!@? AA> , -, C I> + -A2 &C@ @ -A2) AD $@ C + -A
KMN =(! H !@? AA> , 6A +@D !+ +@ $@. +@C SKMM B 1
?$'. ' LL 3 @C B A+ C@ A-+ A +B@ B ,A+ - J,)
@? AA> , -C@ @A AA> , + +@?@A+ - +B@ C J- + -A E@,-C@
+B@ J>E, SKMK *0 0 0 &- -0 ,(8;KM<(OMN
^ J C+-a E@ -? A. ? -C@ .-C-> AD E>AD A+ +B G@ C,G
-C @? AA> , . +B@C A.

/ $ O 2) 2.D $ $

' Q $

;KKO ',",!0 ? 0 4 KPQ ; B@ B .B@C J, A+ ? G E@
, @D2 -CD A. +- D>C + -A - , @2 -,,-] AA> , 2
-C @? AA> , E @AA , XKKK 8 < &!0 (C !$ '
OPK C + @? AA> , D G AD A .B+

7 -1 4 (2 E(44+ $ (" -)-0+ 6(4? +-(0 7 D-
-)-0+ = R 17 *6=

;KOK LO A 9 $ O - - ,$' -
C$*$1& + + +B@ 7 @ +@CA JC C @ A , C.@ A>?E@C
@? AA> ,,G @ C,G A +B@ JC A. AD , +@ A +B@ >??@C

O '= / $(P ' 1(U $ $ [(-$ % Y
') "_! Q C 9. / $ B0 P 2
' D 2 1 1
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1 ' 3 1 $

$ SMSM 7 L< (8;MOP(OL ! - ?@ C ?@ +B@
B-,G B- + +- E@ E>+ ?@@C@ C@ +>C@2 D D C ? 2 +B@
!@? C A ^@+ a L%% " = ! B-, 2 7 U
4Q4LV P=< B@ !@? C A 2 B- C ?@D +B@ ! -A +- E@ A
A- @ - +B@ ?@ !>E + A @ +B +B@ 5 +B@C2 E>+ ,,- @D
B ? A ,, +B A. +- E@ , U@ B ? A !>E + A @ AD O@ A.
4QPM < B . & % $ ' ((!) (> + +B > 2
E B-J - !@E +@2 @? C A $> $ < ,!0 = 0
c cO 84QKQ(,, OMQ B@ C A AD !@? C A + -A ;KLL
: " (8 $ 2 B@ !@? C A %C@@D

- D- -1 .0 (=

;KS< ? % 0 0 4 K; 5C-? % , A ?2 +BC->.B +B@
A+@C ?@D +@ + .@ - C A ? AD !@? C A ?2 A+-
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LP< +B@ ?J@C-C D D B >+ ? - + +- @ + E, B !@? C A ?2
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-1 (**(. 4 -< YYY (Y " V %(0* (44+
70 477=-4+ ++ B@D U , -2 ^ ")) 8? -D
-*= /

2 ;KMN 8 9 ! & ! 2 G2 BG D DA'+ G +B +-
B@C !B@ ->,D B @ -?@2 : @@, >C@ B@ ->,D 7 @
->,D B @ E@@A @? ++ B@D + @C@ SKM- B " !
> . = ! + B@ !@? ++ B@D %->J,@

* -1 (R- 0? 2 3 $! ^ -R*

;QOK +C2 2 &'> $ 0 " 0 & ! PL &>+ +B@ @? S@
E +B@ ?#B' "E + S----- ;QKN >/ 3 A & C $' 0
4 4 LQ< A @,, J @2 B- @)+ @? S@ %)

-1 (>R = Y "M E a B@ B , - +B@ S

7? (-44 L=- -*D

B C !0 $' 0 4 Y LMN B@ !@? S - +B@ !JB@Y
C- D SKSM J ! C !(O;P S@D + C B D
A AA> , J C ,, S +B + @A E,@2 + ->,D JJ@ C +-
D@ C E@ A @,, J 2 - B B +B@ .C@ +@C @? S
@I> , *7 +B + J C ,, S SKMM) ($ - 0 0 0
2 e =N OSL B@ J@C -D - +B@ C ?>+> , C >, + -A ? G E@
! +) + E@>+ ?A@+GE! S G@) 2 AD +B@ @? S+ [+A@ C
?>+> , @,, J @ A A.>, C ?@ >C@ + =) K ;KMQ
$!& > & 31.(($' $', (+B@ @C .@ D + A @
- J, A@+ C- ? +B@ >A + @I> , +- B , +B@ ,-A.@C S
- +B@ @,, J @2 AD B@A @ E +@C ?@D +B@ @? S ? *-C

- $:8():/(.0 *** 7 2 ; U D?

+ 1 - W67 = 6(4? 3(03(0 (

$%0A . ?&"! 0 = B@ C>D@ AD ?J,@ !@?
E CE C A - G -A ;QQ= < + $ 0 0 8;KO=(:
) = B@ @A > , J,@ >C@ C@ +B@ -A,G +>DG - +B@ @?
E CE C A S! D 7 "1)30 6+ 1" < $' S2 B- @
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7 -1 6(03(.) =E =1 c3(03(.0 7 3(>0
3?*) =1 3(>03(07E=

4K K 5$ - ' ;OO O A A+@ +, + -A +B@ J C+ - +B@
!>,+ A +- JC- @@D +- @S+C@ ? + @ A +B@ > > , B@ D,-A. +G,@
- B >.B+G) ? E CE C A ? ;KM= 9 DT - 1$ 3
1$,) @ > E CE C D J, G SK,Q : = . . ? 0 ' $
;M=) E@ .@ # , @ C@ A@?@A+2 B B +B + -
@? E CE ? 1 (S =LQ " D +B@ " AD> C@? A@D
S@D C- ?) @ @ C, @ + .@ A +B@ @? E CE C-> + +@
O - 8. $- '$' A+C-D J SS) + + A
C>D@ AD @? E CE C-> A .C ?? C $AD J@,, A.

* -1 4 7 =+ (* 7 2 ! (4?<0E J

, [=3 ? " %, ! - 1A,> +G J@CW-A) (V + @C@ A + @,@
U D2 ,5 @? GE-> G ->GC @ @

-1 *7-)- ,=-1 30Y / # 4=7 (!
=71 30 -?7 ! --?- ! " -? =-130--?->
! 7?- ! -7?- -)7 ? 2] ` N
? N & (?*-0 73= RS D /
70 17< " 7*- 6() K 6(4? , ?
6- K0-(-0 L074(* 7 7 - *6 0</ *6- 4- K*6 7? 2
30-) -F 1 @-1 1 =D@6- D KD=* 7*- 70< (0+
E=- , *= ? KE0- = 7W (7L- 7)(4 /

$0 S!<=I $ 5 / !)=) & ' ' 4 0+#\ - OC @ @ A-C
!@J OA@ @ C@ A ?G !-A. XM- (C! '" 50
SSE@ OKM ^ B@ A .B+ A. ,@a -A@ 7B ,@2 >,, # B@C , C. 2
,-A. 2 EC @ @ + @? EC @ @ AD ? A ? a A-+B@C B ,@ ?
B@C C-+ B@+ 2F> @C 2 @? I> @C 2 AD D->E,@ !@? I> @C
;M<M F " %0 !&, .3 - $. 0 7 B@ C + A-+@ A +B@
S--+B & ,? ! !@? EC @ ;QQ< , 2 B@
.A-C AD C .A-C , D A. +B@ + ?--+B @? EC@ @ 2 AD
. +., A. ., E D DC -A SK) 7 Q 3 7 <&! - (SSS O<N
" @ JC@+@AD@D +- -C@ D- A A C W+B@ J-@+ J, G@D +2 E>+
J>+ D- A C-+ B@+ AD @? EC@ @ + C AD-?) !KKL 7 !
/H6V69 A < & > ,E) 0 " =P< O 6A+ , +B@ E@. A
6 A. - +B@ +B @A+>CG2 +B@ !@? EC@ @ C@JC@ @A+@D -A@
+B CD , [&) @ + OC@ @2 AD +B@ B , - A ?J@C @ + -A@
% (;P<; : 5 $3 O; - $ O 2 O J C@ A -A@ A +B@
->C+B2 @? EC @ @ +@C +B@ -+B@C , -- = ' 0
C& ; A B,> U @ D- A-+ G +C A@ - - ? AG A-+@ 2
E>+ - ? AG @? 'EC @ @ 4MN< (& - $' ') - (; ; A
0>,,@A 0 C (2 J@AD ? G EC@ +B +- +B@@2 AD +B->
A @C@ + ?D A B->C@ +@C A @?EC@ @ $ S #
< 7 F;M=<(=K +B@C@ +--D 3 A ? -C !@?
EC @ A +B@ >JJ@C J C+2 +B@C@ +--D A-+B@C . A + + A +B@
,- @C AD AA@C J C+ ;MQK 4QNM A J $

3 6- S =L(D- > 7? (=-1 30-)-

L R , $ & 5(S +2 8) C@ + C@D - , C-,, ->+ -A
+B@ B@ C+B2 J CU,@ @? EC @ 2 AD +B@A D -, @ A+-
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b? " ?=-1 30-)-* 1-
,C/ D71 17 * 1- W *6 *W7 3-(*= (3(0U ,@/
6< 1- 7DDEL -< 3+ (=-1 30-)-

+b S ") $! % `^a2 B@J, A -A. E@A@ +B
E@. AA A. + +B@ @AD2 \ - -C CD @?EC@@ @ + ?@ ;P<K
I , $!U , 8;KQK(O= ,, B + ,U@ - C-+ B@+ AD
- I> >@C) " W @CG -CD +- @? EC @ @ + ?@ D-@ , ;MN<
F M - 0 , $. KK J@C @ + 3 --D A CD,G
A-+@D EG C@ + - L + ?@ J@C @ + + ?@ EG O !@? EC@@ @
$@ + 2 J, @D +B !@? EC@@ @ SMMS + A <!& & 0
8@D O(2 -1 % ,- + ?@ A 3> U XMM J ! F
. !!) 0 4 8;MQ=(L= B@ />J, -C !@? EC@ @ ?@
8E) ? AG ,, + +A@ %- ? ? -A ?@2 E@ > @ ? - + > @D(
SMD< # 9 C& - Q< " @ E>+ 3 A>?2 + ,, B
JC ?@ 7 B@A -,D .@ B->,D , + ->+ !@?EC @ + ?@
SM K + , ! < $- 0 " 8 '& (!@? EC@ @ $@ + -C? 2
B-,@ E C' C@ + A AG + ?@2 -C ?@ >C@

- D- ? -21 430-)-< LE D*E(*-< (= W*6
=-1 30-)- 0-=*=

$%J$ ' 9 Q - ($!&) 1&) ;K< "@
@+@E@+B D@@J@ .B2 @?EEC@ 'D A +B@ @ -CD 2 X) S]
' 0< ' ! 2 0 OKK B@ C D ->C @ @? EC@ 'D +B .B@ 2
+B ? C + ,U@ +B +@ C@)

-E D()* 4(>K E7 = (7 2 !(G ?(
*-R*E0- (LL07(D6 K *6(* 7? D(0* 4(K- ?? =6-= F
() K (=-1 D(0* 4(K 7E= =J-4-*7

SK-M (,)! '$= (L(;N< + A.>, C C >?Y
+ A @2 +B + +B- @ +C-A. @?, C+, . A-> >E + A @ B->,D
B @ +B@ J- @C - - .>, + A. ? ,U ;KO< <&&) "
0 8@D2 L(LQ= !> B ^D @ @Da U DA@G B @ .@A@C ,,G
,-E>, +@D -C?c AD @? C+, . A-> B CDA@ ;K=;
: ! $' &' 8;KKQ(<P B@ !@? C++
, A-> B@ ;KMP) C ! - 0< &!0 \3H S B A.@D
(@? C+, . A-> J A , -CD -C A - @D -A@

i -1 D(.=-(*- @ ^ " N %
+ B@@ @ i " " , -A @C+@D A+- B@@ @
SM)S + 2 *0 ;=; , +@-> @? @ +@ P
@? J@+C @D *> @

-1 D44 >0 D 0? -R*Q G %-0*(K
*7 70 7? *6- (*E0- 7? (=-1 D670E= 17< -*=
-1 D4 .0 0 1 7< 0- <-0 K
8 , * (- L? *H7 L(0*= *7 W6 D6 *6- 1(
37<+ 7? (D670E= = <) <-< 7 D6 -?4+ # c 3
L -D- 7? 1E= D *7 3- L-0?70 1 -< 3+ (D7 1 L(+ 7?
= K-0= =-4-D*-< ?07 1 (D670E= > 2

;Q<Q C&* > . (8@D 7 C+-A(;P< %B-C> - 1->,B
AD C. A !@? B-C> SK - .. C &- (E '10
2 !@? B-A : - !J C + SK K$ 9 I I5U5? I 1 S) 6 2
7 B@A 2 -A@ E AD E@. A +B@ BG ?A +B> 2 +B@ B-C> 2 "C @A
B-C> 2+--U >J +B@ -CC@ J-AD A. @C ,@k2 ;K=Q) 9 * !
- 3, &) (B-C+ B-C> J@C -C ?@D EG @ A.@C OK<Q
$!" 2 ;\ :>A@ B B@ A> ?E@C ,, E@ C@AD@C@D
EG @? B-C> -A + A. - +B@ E @ E +B@ !+ & > !(
7 @ + ? A +@C EE@G2 AD %B J@, $-G , B-C> '

? < E D D4- =-1 +-474- 0(D*
1 -< M E > !>E
2 N0 (4 TE < 1 -(=E0- G (4? (L *

+ 4==N C$!!$ 0 &') 1(;=K @ +@C AD @?G ,@
^-C . 5 $) ') - + + U@ # @A>@G) @@D@
< 44 D 0D4 ,=-1 =@J / 0(< %+ + /
@@ " % 3 (< Q
: 6- 6(4? 7? (D 0D4- <) <-< 3+ (< (1-*-0 70
*6- 6(4? 7? *= D 0DE 1?-0- D-

;POM (- * $!" L E2 8#S -CD B-, C ,-I a %-E,@C
JC G+B@ @+ ?@ +CG A.G, \ @?G @C ,@ JJ-A ?G
>EJ@DG+ , XPWS / C$ 2 (V ', ' !(/@ A2 +B +
J C+ E@ @J C +@ C-? +B@ C@ + - +B@ @, D@ AD +
J C+@D *> +@ EG +B@ @A+C@ +B@A + ,,@D @? C ,@2
-C B , @ -?J @ 4PQ4 F C$ ' &-0 M *2 !@? Y
C ,@ -C B , @ % C ,@2 D-+B -A+@ A@ E-+B +B@ / ?@+ @A+ AD
%@A+C@ - B C ,@2 +B +B@ JC@ @ B , @ - B C >? @CY
+ A @A @ SM - ($- '> ? (ONK @CG A+ @A+
+- A@ +> + ? D + B ,,@ A -C ?@ - @? C ,@ ;M)
J " "# 0 ?) ! ;M= B@ ?@ >C A. - !@?
CD \ +B@ ?> , J,G A. B , +B@ / ?@+@C EG I> C+@C -
+B@ % C ,@ ;Q<K (&) $ ((LN; A A.,@ A
!@? C ,@2 $ .B+ A.,@

; =-*7? 73M-D*= 70 ((00(K-1- * *6- ?70 1
7? (6(4? D 0D4-U (=-1 D 0DE4(0 ?70 1 ?70 1(* 7
=*0ED*E0- -*D

> "! 3 +C < ' !! - $ 0 - 0 #B%5 7 @ ?> +
,@ - ,, > B +@@+B B B ,, A-+ E@ -A+ GA@D A +B@
@? C ,@ - +B@ -+B@C +@@+B ;MLM O R ' 0 < $-0
8;M=N(QN J- +C-JE> B->,D2 AD - +B@ +@ CA@D@C
-C+ B +B B C .A@ AD ? CU@2 B B > B !@? C ,@
J, @D A +B@ +-J ;;MQ= # 0 10 S e P=
B@ ? ,,@C B J , G A @? C ,@ ?--C@D ,-A. +B@
B-C@ ;QOM 8 6 <) !! ; 2 B@ %B A . @ ?@
+B@ , E@C+G - ,U A. E U CD AD -C CD A
!@? C ,@ ;KSQ) 0 !$ - ;MK B@ J ,, D
@? C ,@ - +B@ ?--A ;KL; A - !0 $'.!0 ' ,
8 ! (;<P B@ +@@+B E@ A. J, @D -A S@D @? C ,@
;KLQ C ' '" ",!0 4 ;OP ; B@ @? C ,@ - +B@ -C B@ +C
;) = + 9 0)! , 2 B@ B CE->C - @C,--U@D EG
@? C ,@ - B ,,
B[T $;M;< + , " , - . A0 & ' 2 " B@ . @A
+B@ ,G@ A C ,@2 -C -E, I>@2 -C @? C ,@ #C D C@ + J C
C ,,@, G-> ?> + B ,,@A.@ B ?

=-1 D 0DE4(0 =* 1- * 70 7 - 1 (0J-<
W *6 (=-1 D 0D4-U 7W 7 4+ ^ K : 2

;P<= +) 5 ,0 8;P<Q(ON< A-+B@C % C ,@ -
EC @J, +@ ,,@D +B@ @? % C ,@ - J- + -A2 B B @C>@+B
B @ ,G -C ? ++@C - +C-A- ? @2 +- AD ->+ +B@ + @,>
B-> @ - B@ >@A $>+$ = O $ 0 ' 0 ;K - , ,!(
? D@ - OC 2 +B A AD@S AD .B+ 2 0-S AD @@D,@2
0 ,, AD !- U@+2 AD !+ -A+ A A. ;KN /@.C@@ 2 E@ A.
B , +B@ B@-D-,@+ ;QSO : # +C ?!&' > <$ ' '
K; A +C>?@A+ ? D@ > @ - -C +C A. >J-A +B@ C->AD
C@ +B@ 8)C JB-?@+C@2 -C !@? C ,@ WF$ /O = B.
0 ' 0SS ;LL B@G ?@@+ + +B@ -CA@C -B J CU
+B J J@C AD J@A E2 J-,@2 B A AD @? C ,@
?@ >C@ B @,D

- D- ->1 D 0D4- " *7 =E007E < W *6
(=-1 D 0D4-U ' 0 *7 ?70 1 (=-1 D 0D4-

;K;L ! A3 $1 OLP A ??@A @ -A @ @?
C ,@D +B E@,+ &, B?. A @ A+ ?@+@-C 2 ;K)
(M - (& 31. 0 8;KQ<(;O= EC- D +C@ U
@? C , A. E@A@ +B @ +B@C @G@

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*1) 0? S . B") V ? *6- ?70 1 7?
(=-1 D 0D4-U (00(K-< (= (=-1 D 0D4-

S. 3 = . 8 5 C 0 $-1) !0 2 7 B@A +B@ 3--A
E@. A - -A@ A -A@ B@C @? C ,@D B-?@ $/0
" 0 MK @? C ,@D C+B A. ,@ SM M B 6B
\ = &)' " $ - S, O=; !@@D 2 B B
--A@ +B@G C@C J@2 C@ , U@ 3 C .-,D @@D 2 B +@2 C->.B2
AD @? C ,@D ;MO< $!) C$ 0 + 7 U
8 C- C+(OQQ ; - AD +B@A U @ 7 ->,D A+@CJ- @
, U@ J C@A+B@ 2 O@+ @@A@ +B@ C) ? C ,@D C ?@ 2 AY
,- 'D) . 0 * ,. < $ AU E- @ C AU
A @? C ,@D .C @

-1 D 0DE 4(0 ,=-1 = EJ M@4(/ 4=7
-0 0(< 1-< % + % %+ +
? %+ 1 ? *6- ?70 1
7? (=-1 D 0D4-

;=LO PN +C '8$-,, (,-C +@C > +-C@ +B@ +C> ?
JC-JC@,G ,-C @? C >,@C2 A +B@ ? GDD@ - B-?
A B- @ B B@ ,,@D@ @A ;M;P AG A 0`3 & " B

6!%$'$N B@ .>C@ - +B@ C E) @? C >, C , U@ O-
S 7- # , E PN !@? C >, C C B@ 2 -C "@? Y
JB@C ,` >,+ 2 E@ A. C @D J-A +B@ +-+ ,, / ?@+@C
;QNK : . 0 < (? 0 8;Q;N)=;Q B@ -CD
B@A A)+B@ AA@C "-> @ + -A !@? C >, C O@A B +-
B@ C &@+ + -A ;QQM < , 0 S> LNN / J- A.
+B@ ,@. -A A @? C >, C -C?2 B@ D A @D +B@ + -
B-CA - +B@ C@ @A+ C- +B@ / A>E@ ;KM= & "
&-0 -*0 8;K)P(=K O@B AD A +B@ @? C >, C J @ +
+B@ ,@C.G2 C A. + @C E- @ + @C2 $$ > ! -+ , (
, E 8;KQ<(=J B@ C B@ 8 A +B@ $-? A@ I>@ +G,@a
,>)G @ +B@C @?+ C >, C -C @*)@A+ ,
&-10 ;QMK &-*) $ - &)! ' P & =)O
-+ . - -X @C J>+ @? C >, C @ A+- B-,@ ?$D@ A
+B@ B AD,@ - +B@)+B@ SK K) (A ',",!0 T
6 &*&!0 ;K=P(OK= O !@? C >, C B@ D@D J@C+>C@ @C A.
@A+C A @ XK) 0 - ON >. XKM S !? ,, @A+
C%6, C B@ D@D AD- - -A@ , .B+

3 2 -=K (* K* *6- 703 DE4(0 E=D4-
7?*6- @-4 <U , *6- 0--D((4= *6- *-0 (4
-(0

$>+% .. 1 8@D 9@C @G(2 %) ,) $ ' ,E +B@
?@ !$) ') ,! 0 $>I ' . 1 $'
; O W P)O= EC + -A -??>A +@D +- +B@ %- B,@ 2 AD
@? C >, C % A , ;K=L 1 ' -0C " * P;K
B@ +BC@@ @? C >, C A , C@ J .@ 2 @S +@D A +B@
-, D E-A@2 AD , A@D EG -A+ A> + -A - +B@ ?@ ?@?Y
EC A@ +B + B B , A@ +B@ @ + E>,@ ^- +B@ @ Ca ;KKP
' ,!0 ? 0 4 4 LK O B@ B-C X-A+ , @? C >, C A ,
A +B@ A+@CA , # C - J .@-A

- D- -1 7 07E4(@0 *= &-1 D >07* 4(0 -==

QL, . ! - , ,)!$ ' B , C >, CA@ ;KML
) $ $ 2 #E @C A. B @? C >, C +G AD
.@A@C , -AD + -A

-1 D .) 7E4(04+ " 0? 8(

V) a @? C >, C ?701 A B , C ,@
KSW # 9 ?& " &% $ ' QQN B@ @ - +B @>@A+B
J C# @? C >, C,G +- ? -->@ +B@ B@ D !QNP LN !
&) &) ' !0 H "] ;P A CC- J .@ E@+ @@A + -
+-A@ ,, E> ,+ @? C >, C,G ;QPM (A C !0
$-0 4 4 P;= B@ + -C >JJ@C J C+ +C +@D @?
C >, C,G ;KL< $ 0 $ 0 !@J+2 ;OQ O B@ @? C >, C,G
-C?@D >,+ KKK ') " $ 0 4 4 4 KKO B@ T E@,+-C
C AE- 2 - @C+ ,@ , AD ! @J+ @? C >, C,G C->AD

&<GG@D >0-E4(* K$ 0 ? >

% + -1 D 0DE4(0

$;QNN T " - '&% & &-@+ 7 U = >, 7 B- @
@C+ ,@ @? C >, + A. "@ D 2 7 +B @?J,@ AD +B & , @
)C@ D

! - ,+ !) @ 8 @ ?+ ;U(*& T 0? Z *@ (

U%,0F4: a @? C ,@

4Q<. 'SKX= 9) 8 5, ' 0 PN 6 J-A @? +C I>@ -
+>C D D .C->AD2 B@ B DD@A A--U D - @C@D +- ->C @
? - C-D@ KL; ?!$,. 0 $ 0 4 4 4 LOK B@ U +@C
+B@C@2 +B ?-+ -A A @ A @? +C I>@ AD .C @ >, B@@,
+!G@ / $))) E C$,. E- @ +B@ @? C I>@
- 7 G @ +

0 @? -,-A 8 @? U > ,)A(^ " U . I V
J>A +> + -A ? CU -A + A. - D-+ J, @D
E- @ -?? F(@@)>-+

A JC@ @A+ > @ + +B@ B @ +-J A+@C ?@D +@ A ,>@
E@+)A +B@ -?? AD +B@ >,, +-J > > ,,G @J C + A.
@A+@A @ +B@ , ++@C - B B , ? + +B@ -C?@C2 -C ? CU A.
- @C @ - @A+@A @ -C , > @ - - -CD A +@ ,>@)
;K== ')7 ' 0C - & L2 + -?? 2 +-J , ++,@
+ @? -,-A2 -?@ B + ?-C@ B& - &
' 0 < $ '0 7U M<N !@? -,-A D + A + -A - A
?) @ + !@A+@A @2 B@C@ A +B -?@ B + ,-A.@C OC@ +B2
+B@ !@A+@A @ -,,- A. A ,>D@D ;QQ; B 0
C ' ' OMQ B@ @? -,-A J- A+ - .C@ +> @+- @A -C @
AD ,,> +C +@ B + B E@@A D A @D2 AD D .@ +@D EG +B@
%-?? B@ !@? -,-A > @D A EEC@ A +,-A2 A +B@
-CD ,) > C@ SK-- = B ' 0< $-0 _#h B@ @? Y
-,-A -?@+ ?@ > @D2 B@A +B@ JC@ @D A. ?@?E@C -
+B@ EB+@A @ D-@ A-+ - + @, . @ -?J,@+@ @A @2 E>+
D@J@AD -A +B@ -,,- A. , > @ AD -?@+ ?@ B@A +B@
@A @ - +B + ?@?E@C ->,D E@ -?J,@+@ +B->+ +B@ -AY
,>D A. -A@

! @ A %#,A a ? 2 % Y " -U D? 1-<
- ,&!) - ') - , =<70-/ G 6- 6(4? 7? (D74E1
DE* 47 K *E< (44+

;Q;P C$!!$ &> , (m;Q=O(PO " ,, >CY
C->AD@D +B @? -,>A? SKM C$ '&' OM :>,G =NN
B@ ,, JC-*@@DA. C-? +B@ , !!$ +@C ? A +@D A + - @?
-,>?A 2 A +@ D - I> C@ J , +@C ;KQP ,,!0
, 0 !(<< B@ , AU ,, 2 C@ D D@D EG @?
-,>?A

- D- -F E 774* >1 (0 7? *6- ?701 7? (
=-1 D74E1 U 6 (LL4 -< *7 =*-1= -*D =6(L-<
4 J- 6(4? (D+4 <-0 DE* 4- K*6W =-

$>0J = $' 0?& (8;Q<M(2 - (@? -,-?A C
;K=< < &!0 + 8;KPN_ OQ= 7 ,, - @? -,>?A C , ?
+ ! > %# @ Y " % (G LL4 -<
*7 *6- 6(4? 7? (67447W D+4 <-0 3 =-D*-< 47 K *E< [
(44+ , -- 3 3 /

SM M + *!> $ e ;L; +B@ A ,- >C@2 +B + $->AD
E->+ AD A+ C@ JC@ @C>@+B +B@ !->AD !- D-+B !@SA
%-A ># ;QL= ?) ! > O Q2 !@? %-A @
C AD@C

! @ > - Oga . +@b+C 94 + # 7 2 3 G
& .+ 8 -A*>. +@ @? S62
@? D ?@+@C @@ ;B +C M 2 AD IA-+
;MKN +B@C@2 AD ;KKP ") , -

3, 8 ; D -C +B@ @

[Q) : !)5 & ' ;KQ @+ E@ A "GJ@CE-, 2 ?
+B@ %@A+@C2 ? 2 !@? -A*>. +@f)) ;Q<N C !0 $-0
4 4 4 PLM2% AD %7 E@ A. U AD - @? +C A @C @ AD
@? -A*>. +@ S@ +- +B@ @, +J+ +C U -A +B@ JB@C , >C
@ SKK 3 %" E ' *!0V ' - $E ;LN A @, J @C@ @CC@D
+- + - @? -A*>. +@ D ?@+@C 2 *$ *1" S@

+ !@A %#J@ 10 ^ "N 1
B-C+ ,- U

, ;LKM %" >@. ! C &!0 OML # D->E,@ -C +@D@ ! B
@?G -J@ B + C->AD@D E@,,@ ->+ - +B@ JC@ @

-1 D .3 D = -R*

B C !0 $' 0 4 4 4 ,, L<N -A J C E-, E@ A.
. @A(@ A, >E -A@ ? G E@ ->AD2

(- E D(.3 D(4M7= # 7 2 ' G LL4 -<
*7 *6- - 0)-7? *6- *6 0< <-K0--W *6 (7 =L 0-?-00-<
7 0-D(KE4(0 (R-= *6- -TE(* 7 *7 W6 D6 D(
, G E@ C@D> @D +- +B@ -C? G f

B@ @SJ-A@A+ - +B@ J- @C - E B B JC-Y
J-C+ -A , +- +B@ -CD A +@ S B@A @ +B@ A ?@
;MQQ 9 .. A $. >D & 0 0 '' 8;K=;(M8)
B + ^A @A+ -Aa - 3C @ ,@ +C .B+@A A. +B@ @?
>E , J C E-, +B->+) JJ- A. +B@ I> C A. A BGJ@CY
E-, ;QN= : ' 50 , '0 2 - d)& ,$! C$ $/
1,!& (%>C @ B- @ #CD A +@ C@ A !>E+C J, +@ -
+B@ />*) +@ JC-J-C+ -A - +B@ / ?@+@C SK3 <
& - , 0 S 8@D2 L(e OP; B@ @I> + -A -C +B@ @ #,J+@
- >+C E-, C@JC@ @A+ >C @ ,,@D +B@ @C >E+ ,
J C E-,

Q -1 D 4.L 44 (4=7 -007 c7E.3 E1U
(< (K4 D I-< =-1 D(L- Z1-# ? =
% # *E G 4$*6 W6 D6 7 4+ 7 -2= 4-K=
(< 6 L= (0- D7)-0-<U (6 L 3(*6

;ML= # C$.> - 0 ;N=< 0 . 2 5>? .
6-A 2 !@? >J >?!2 0 +B SMMS I B <!& & 0 8@D O(2
- 3,)* " B , 0 +B2 6J +- +B@ A @, - +B@ J + @A+
;MK= +C ?&' ,0 &-* 0 PK 3 AG +B-+-? +
??@D +@,G +@C +B@ -J@C + -A , J +B@ & + @ + A !@A
>J@ ;QNM .. 1 8@D 9@C @G(2 ;QKP < "
A 0 &- -&'0 == 5-?@A+ + -A 2 +) +B@ !@?
>J >? @C@ - A- , Q<<) 8) 0 ! >
&& 8@D =(OPP # ,G @?EC- + -A 2 E, >C2 ,@@ B@ 2
AD +B@ @? >)>? @C@ B D C@ ->C @ +-

-1 >@ 24 (#-0 Y " M a B@ B , -
G, AD@C D D@D ,-A. +>D A ,,G
SMMK .. A $. >D 0 , 0 '' 8;K=4(=M; A
+B@ -A @ - +B@ D @+J G, AD@C+ ;QQQ 5-$ + $
&"0 &) ' & ! OOK) AD +B@ C + +C> ?J@+ @C@
E-+B ? D@ - + - B-,,- @? G, AD@C - --D SK=S
!2 . 7 $')%(&$!>< $ B@ %#-J @? G, A) C
? D@ - +B A J, +@ C-A ;KKN % P & 8 & ' 0 C 0
KX #A@ +B@ + - -+G,@D-A ,@D +- JC-D> @ J@+ -,)
B , + +B@ -+B@C*, -D> @D -A@ -A) + A. - A -J@A @A
G, AD@C @AD A. A) C J J- A+

- D- &-1 7+ > <0 7 D+4 .4*<0 D(4 . 7?
*6- ?701 7? (=-1 D+4 <-0

>J$. 8@D O(2 ;P# = ;QMN) 1? $
?& 0 <<' I 8;QMP(, "!' " [HH ' B , @D %G, AD@CL
B@A +B@G C@ C->AD -A -A@ D@2 AD + -A +B@ -+B@C
;Q<L C 4/ : 4 4 4 , ;N B@ @? G, ADC +G
SK- 1 4% B@ +B@C ??A@+@C2 B A. + ,@
E- CD # @? G, ADC , -C? 0I < 8 .
e OSQ !@? G, ADC , >,+ 2 S) - ' Q $
;7h 7 +@C &>C , A@2 J, @A+ @? G, ADC

! @ ?) @ +G Y " A V I I)
, L%LJ 1 &- C " - ' & . &&' OQ 3@A
B- @ + +@ +B@ /@ + @ D D C @ - !@? D@ + @ M -
. 'D0 & &' $ 0 ;P @C+ A !@? /@ +G2 B B
+B@G ,, +>C@ ;K=K . S) 0L(S) D @> G@
@? D@ + @ KMN B '(C &* 0> A +>C@)@
-C+ - @? D@ +G2 -C C@ + -A @C@ + - A %C@ +-C

- E <-1 + @D 8 (f B , B , 2 I> C+@C2
A @? D@? @? I> @C2 A-+@ +B@ M=+B J C+
- @? EC@ @ 8O(.A@,G A D ? A>+ @ @A @2
8% 2 K H=Q D

KLM (9 <0 <) ' " LP; !B@2 + , +
JJ@ C@D +- @SJ@ + ?@ + ,>A B@-A C@.>, C,G B@
,--U@D -C +B + @ ? D@? D ?@C + @,% ;KQM P
) 0 - " - - - D)$ (B ,
D@? @? I> @C2 +B@ M=+B J C+ - @? EC@ @

-F <-*(. G -< Y " V &X +, ,,G
D@+ B@D

;KP< , $ &!0 $' 0 " & SSS+S2 B@ ->AD + -A - +B@
,, @C@ @CG @S+@A @ A ,>D A. -A@ @? D@+ B@D J C+Y
?@A+ $) $'' ! !(; <L C. @ @? D@+ B@D
? @ - C- U ;<8< $!" &'(OK # + 6 7 B@ ? @CY
E,@ @? D@+ B@D ?@G-> AD ; B @ E@@A , A.+

3 , % -=K (* K - *6-0 7? (L(0 7? 67E=-=
M7 -< *7K-*6-0 (<?701 K(347DJ 3+ *6-1=-4)-=

$ /0Y .) V= ! + B@ !@? /@+ B@D "-> @ ;KQ;
C) ' , < !@J+ ;NN S ,-+ - @? D@+ B@D %)UA@G ,,
SKK ? 0 0 6 - !0 ;M !@J+ PSQ ; - D C) B->,D J
E@A@ +B D@+ B@D -C @? D@+ B@D B-> @

-I 1 < (> -*-0C 04(*- , 7-*6 E=/F =--
2 3 G 6- 6(4? 7? (< (1-*-0

S 3) C$ .2 0 V '& !0 /@ A 2 / ?@+@C 2 B- @
B , @2 ; ?@ A@ C-? +B@ @A+@C +- +B@ , >? @C@A @ AG
,@2 ,,@D +B@ @? D ?@+@C2 -C B , @ D ?@+@C ;MOL
1 < & 0 !0 8;MLP(; ;Q +C-A-?@C ?@ Y
>C@ +B@ ?) +>D@ - +B@ !+ CC@ EG / ?@+@C AD !@? Y
D ?@+@C - +B@ C+B2 S) 9 . $ 0 $,.
LK B +D JC-J-C+ -A - D + A @2 B B +B@C@ E@+ S+ +B@
!@? D ?@+@C - +B@ %G, AD@C O2 AD +B@ !@? D ?@+@C -
+B@ +>AD,@ +B +B@)U@ 5 $>+0 . .0 &''
e == 5 +G -C ! S+G !@? D ?@+@C - +B@ C+B D + A+ C-?
?@ 4QML ' '0 0 S-M >C -> B ,- JJ@?#D C->AD
+B@ ?--A + @? D ?@+@C2 C-? +B@ ,- @C , ?E - +B@
J, A@+ +- +B@ -JJ- +@ C B - +B@ JB@A-?@A-A2 @CG
A@ C + @A+G -A@ D@.C@@ AD B C SKSM . 6 $ 0
C !0 O;L2 OLMP< @? D ?@+@C - +B@ C+B2 -C <LP<PNNN
? ,@ ;KKP : '$!" 0 < &-0 ;KK AG + A.@A+
?@@+ + - -A*>. +@ @? D ?@+@C - A @,, J @

3 < 8 @@ I>-+ ;QN=(
;MM<) & % ,$ &' S B@ !@? D ?@+) - +B@
#>+ CD &-,G.-A ;QN= : ' 3 50 , '(2 - T
$ - 00+ - -,D2 00 +B@ C@ +@C AD @ @C B@
-C?@C E@ A. A@ -?J- @D - +B@ % J + ,2 AD +B@ !? ,,
!@? D ?@+@C - +B@ &-,G.-A AD +B@ -+B@C2 A@ DC A
+- +B@ %C >? @C@A @ C-? +B@ %? +C@ +BC- +B@ -C.@

- D- &-1 < (.*E-*0(4 F *6(* = (=-1 < (1-*-0
$%> = L # ;)8 % KM B@ !@? / ?@+C , ,A@ $
JC- @@D A. C-? +B@ %@A+@C

-FR1 < (.L6(E 4&* ($ 0 7 2
! (G %(0* (44+ 70 1L-0?-D*4+ *0(=L(0- *
1W%%J .)8, 3 & + OO 7 @ B->,D A-+
*>D.@ + #J -> 2 E>+ @ +B@C C A ,>, D2 -C + ,@ + !@?
D JB A-> 2 ;P)) * # * Y 3 < 8;QO<(
: KQ G@,,- B @? D JE A-> %C> + SK M : , 1
) [[[0 :::MNM B- @ ^+@. ? A a - +B@ 3 A @ +B +
C@ @?E,@ DCG ,@ @ C@ -A,G @? D JE A->

- D- ? -1 < (L6(E-@ *+

$%%J)8, 3 & + ; QL B@ C A J C@A G
-C !@? D JB A @+G- +B@ !>J@C , %-CJ> ,@ - O ..@C
O-D @

-F1 < > (4 (7 2 (G
: 2 %-0*(K *7 D7 ==* K 7? 70 L-0[
?701-< 6(4? *6- * 16 3-*W-- *6- 0= K (<
-** K 7? (D-4-=* (4 37<+ 6 -?4+ $
+ %

S)= .B) 3 .)8 % A S , + 8;P<Q(;P= + D@> D@+B +B@
C++A@ , D G AD C+ , A .B+ @ B - +B@? A+- + -
J C+ 2 +B + +- G2 A+- + , - @?+ D >? ,, AD A+- + -
@? A- +>? ,, J C+ E ;QM E2 B@C@ ,, C@? A@
< B->C@ =)K B B +B@ ,@A.+B - +B@ C+ , D G2 B@A
+B@ !>AA@ A +B@ C + D@.C@@ - ! -? -2 +B@ -A@ B ,@
E@C- ,,@D +B@ @? D >CA ,,, CU@ -+ +B + C+ ,D G
;MM= 9 # !& , % 8;M<=(NL +C-
A-++ , E,@ - !@? D >CA , AD !@? A- +>CA , C B@
!> 9 F 2 S S2 B@ D @C@A @ E@+ @@A
+B@ >A -C + C @? D >CA , C AD I> DC A+ -C A A@+G
D@.C@@ 3 * 2 % e(2 %
B , +B@ C D@ C E@D EG B@ @A,G E-DG E@+ @@A + C A.
AD @++ A. ;KMQ 5 2 % KN;
; DDE00 K -)-0+ *W-4)- 67E0= 6 -?4+ 7? *6-
* <-=

!> * Y : =S= B@ + D@ C@ @? D >? (
J-, C @ > -A 2 +B@ .@A@C , >CC@A+ - +B@ - @ A C@
@? AA> + S!S. : I # :) B@
-E > @ +B@A - +B@ @ @A D >? , EC@@X@ 2 E) . +B@
J +G B B +B@ @ C+B B - C I> C A. B .B@C +@?Y
J@C +>C@ +B A +B + - +B@ @ SKMM F+
3 " PN B@ @? D >CA , - ,, +-CG ?- @?@A+ - +B@
+@C - +B@ - @ A2] +B@ + D@

) %(0*4+ < E0 (4 ?4+ K (* *W 4 K6*

A C@ @A+ / @+

<F1 <) SE- 7 2 G (4? <) -U
6(= (<-1 K7<

SM-- 7 9 D%% 8SM-O(<P " B + -@>@C
EC->.B+ A EG +B- @ ->+ + - 3- @ 2 + A@ - !-,-A2
AD C@ > @ - >C.> 2 ?> + E@ C@J>+@D -C 3@+ JB ,2
@?E / > A@ $ &% < F % . S- +B@C +B@
-??-A .-D B-? +B@G -C B JJ@D2 -C -?@ @? D A@
E@ A. ,- @,G ,, @D +- B ? S)= >+ F".
OOM B@ A@ .- @CA@ +> ,,G ++@?J+ A. +-
,@ @, C ? + +B@)A D A@ B@ D - B@C ? +C@

@ E < **-> 0 Z= <(G (?(<71- E=E(44+
7 - ?701-< 3+)-0* D(4=-D*7

4QKK < " % =< S, <= B@ A D@ - !+ !-JB 2
+B@ >J-, 2 +B@ + -)@C2 AD +B@ 8 ? ,,@C2 @? D-?@
^@+ a VK= 5 & 4 4 Q= S , C.@ @? ?S >, C
), 2 - @C@D EG @? D-?@ 6 & , @ " # +
SM B@ .>C@ - %BC + A +B@ @? D-?@ - 6 @ J @

- D- =-1* @<71-< -1 <7. D(4 .
6() K*6- ?701 7? (=-1 <71-

;KM= QFS 9 3 + 4 $;N B@ @?
D-?@D +C E>A@ -C J @ ! +$ # 4 2 %
8;KQ<(OPN #+B@C @? D-? , JC-*@ + -A EC A B A. ->+
C-? +B@ , B B >JJ-C+ +B@ .C@ + @+>+ D-?@ SKKK
F OLK B@ @?)?@D O@ + ^- +B@ 6- C@A(

- < <7* .34- U 2 G(!
4 + , -- TE7*= / 6=7 =-1 <7E34-
?-(=* 0*0 1-<A g +, 8 $

;QSK &% B@ !@? D->E+@ -? @ B
D->E,@ @ J@C AD A@ @ -A + 3, ++ A E>+ +B@
A+B@? C@ A-+ C@ D->E,@D , 6; &C@ J S>2
!>AD G AD / G +B - A #@ C @ C@ !@? D) E,@
;KK= %7VC , L== X#A @? D-66@ 2B , d +B@ A+ JB-A
C@J@ +@D E@ -C@2 +B@ B-,@ +@C j+B@ J ,? ; 2N2 &
' ," ,!(OL ; A +B@ 3 2 +B@ @? D->E,@ B , G +
,@ + +BC@@ -C + -A@ -C JC G@C

; ? ?47W-0=F () K *6- -017=* =*(1- =
L-0?-D* W6 4- *6- 7E*-017=*6()- 3-D71- L-*(47 <
SGA & . ?& 0 0 O<= B@ D->E,@ $- @ @,D-?
C> + G2 E>+ G-> B ,,+ U@ +B@ J - -A@ +B +' !@?
D->E,@ ^@+ a 4<<M 2 ' '0 0 ;=M2 B D -,,)@D
?G -J >? C-? D->E,@ -C @? D->B,@ J-JJ @ I& R
! - $ '0 ?& 0 LMM %>,+ +@D @? D->B,@ ,- @C
K J / ! $? "65 / 3 $ UE$

! @+ A @,, J @ 7 2 (G 4 - 6(4? 7? (
-44 L=- 3 =-D*-<4 + 7 - 7? *= < (1-*-0= ,E=E(44+ *6-
*0(=)-0@K/

<2 B.. & 3 & ') 0US L== @ + - !@A>
,>J @ 2 B B C@ -A +B@ 5-C@ D@ - +B@ C S@
-C / ?@+@C !K=4 = .. ! $' &' 8S) (
[PN B@ -A @S -C B CJ@A@D @D.@ @,-A. +@D A+- @A
@ , J @ >+ A +B@ , A@ - + B-C+@ + D ?@+@C2 $;KQW !
-%F+ 0 , 0 8;KQ<(PQ - ? U@ +B@ @ +
- +B@ A CC- @C >,+ A >JC .B+ ?AB@," J @

7 &-F >(>L& & ,6- D- -F=R* >- >L*4
-4 >L* D(4 S. @ U ? *-14 -44 L(7 .<(4 (7? *4
?701 7?>6(4? (-44 L=7 <

$>%> - 7B A C !0 $-0 L<O)
B ?, >+ +B@ @? @,, J A +B- @ J- A+ +BC->.B) ?
+B@ B->C , A@ ?> + E@ DC- A ;KL)= :

?& 0 - (
,-A +>D A ;<Z
- +B@ C@ C J C+ - B A - 2 EG +BC@@ I> C+@C@ J

-1 ?-.0(4' C€ 7 2 '#Ü D?' -% (

(<=--'G ('(/'G !' (4?W4<

(-F1 >?-0 -' -RE ?-07E$'= $

-1 ?<-4' $T 0?' 2

6(*'=('6(4?3-4-)-0

=71-7?*6-'=-1 ?<-4'(<=71-7?*6-'=EL-0?<-4=D677

-.1 ? -R' !7 2 'G' !' 7'3- < *7

('L7=*7 '6(4?W(+'3-*W--'*6(*'7?-R*-=7

6('7?D71L4-*-'?4-RE0-

7' ->1 4-R-<' -'14?4-@(D7 'c?4-@R70-

-1 ?47.0-*' ' 7 2 'D G' '?470-*6()'

7' -1 C?47>&7 4' ' 4@*' ''?701' ?47>=D*4*=Ü

-14 ?47.=DE4(R'c?47.=7E47=-'8?47>=D 47E=

B 0(6() K'=-1 ?470-*='D?' C8('-I' /

-1 ?4E.<'$0'8 AD' 1L' Y

-D-' -(E ?47.<*+>

->14 ?7 ('1Ü7 2 ' ; '?G' '1L-0?-D*

?701'F & '('6-1 -<0(4?701

-1 ?701 -' '0(<' '

L-0?-D*?, (4-+'%_N%.$' ?

-1 ?701-<' ' 7 2 '9'L(0*4+'(?*(0'

1 @474 83[7 2 '1G' 3-6(4?7?(K473-U

R'6-1 =L6-0-'70'6-1 =L6-0 D(4'?701'=*0ED*E0-'-*D

7' -1 K47.37=-' K047.3 4(0'

'V0'^) g& 0]

$' V' 0(<' ' .$' 3 - (

>\?' - 3' "*' '1' $' G -"L0-='LL4-'7? '*7

K(L-G' ?4 L=F' (4? 7L-

J '73=' '7?' " !'$ 0

'6@? 177 ',DZ 4(*-' $

+ /Ü'=--' "*'

(4? 177 =6(L-<Ü D0-[

=D- *D' , ?' , '$(<$.' $' 'K- -0(4E=-

!$'N,& "'?& 0((< '$ 0) $K' - !)'$ ',$)'

%&! "'?& '$ '!& '(' $! F =--'TE7*=/

1('=-1 4*1(0'37 -')(4)-' -*D

-44 4 .(0+?'@' 7W $ '70 1(0 701-<

(=L0-DÜ=--' " #' C'L0-D'(<N

7'&-F7 C4 > (*-<'$0

M=N%S G Q'K' '?' $' -!'$' D

/ S / $0 & %0YF "*, ';

-^1 1 -*(>44 D' ' ' " !' G %(0*4+'1-[

*(44 DÜ ,%7?*6-' (*E0-'7?('$=-1 1-*(42

*' -E R (0, ' ' / 0(' '

, *6' D' '(*! (01 /' (<' +'

'C) a

-1 (4' ,=-$1 (4/@ ' (< 4=7 #

=-1+ (44' '=-1 E(44' 0(' ' ;#*6'D'

'(*! (01 /'C'%0' L'%K' ' *' '

& (<' ' =--<'

'E =--' ". V' ' 7'70 L-0*(K'*7

=--<Ü 7?*6-' (*E0-'7?'=--<

'7?0 L-0*(K'*7 *6-'=--<' 70'=-1-'7? 1-'

(<(1(4=,(LL4@'5 '(<2 '*7'=*0ED*E0-=

(<(L*-<*7 D7 *('70 D7)-+=-1- /Ü 7?*6-' (*E0-

7?'=-1-

Q'3 @7**-' 7?*6-'=--<,7?('L-0=7 /'

;'F H *60-?-0- D-'*7 L4("'=F %-0*(K'*7 70'7?

*6-' (*E0-'7?'=--<' 6 '70K('=70'=*0ED*E0-=F

-0) K'*7 D7 *('*6-'=--<

%43' %07<ED-< ?071'=--<'

7'70 L-0*(K'*7 *6-'=--< 70' 0-L07[

<ED*)-' -4-1- *'=-R=* K' '70K(D'37<-='70

(**0 3E*-<' 'L0- =D - * D'3-4 -7*7' 70K(D'=E3[

=*(D-=' 701-04+'7?*- '%' , * " +'

*6-'L7W-0 7?L07<ED K'7?=L0 K

%-??-A @ ,+B'E@G-AD'+B@'/@ C@@'-'"@ @AZ-C'+B@'/ +@'
-'+' +>C@Z AG'?-C@'+B A' ">? A@' @'E@G-AD'+B@'
!+C@A.+B'-'+B@'!@?A ,' C+>@

#' () K*6-'L07L-0* -=7?=--<U D7 *(K

6-'L7== 34+'7??E*E0-'<-)-47L1- *

$';NL< 7 - -+') ( ),(A' !D(8;MQO(QO' A'D @C'
%B,DC@A'+B@C' A.@A@C +@' AD' @?A,'J- @C'8 '?G'
,,)'+B@?(,@'D@@J' ;MP' + ' ?$*0 O<= %-AV
@CC-.'>J-A'+B@?'!@?>)' AD' A+,' C @Z B B'D-+B'
A-+'JC@>JJ- @'5 +BZE>+' ' +'@,'+B@'@@D'-'5 +BZ $'4QNL'
O>$9+CC' h;' (0 +' 'OP'!A>,'+B->.B+' C@'C D ,
AD' @?A,'@ ,\' OQP;'R ' $-1!' -' ;K='J' '
C@,@ ' ., A @'>J-A' ->C+@' >+B-C2 ' > @A+'+-'
>JJ,G'+B@' C+'B A+'-C'@?A,'D@' ;Q3'Q' 0 Z' !&' '
+' !'J,@ A+'+-' @@'.C@+' -CU' A'+B@C' @?A,' +@Z
3@.A A+' +B',+@A+'J- E,+@'-'@S@,,@A @' SK)'' .
?' $-' A'! -(0 >.'=MK :@C@?G'0@A+B ?' AD'
! ?>@,' G,-C'%-,@CD.@]+B@'+ -'.C@+' @?A,'?AD'-'
A., AD' A'+B@C' .@' ;KKL')'/ ' 0 0 &'' '
;NP' B@' O--U'#':-E @@?'+' +-' E->AD' A'+B- @'@?A,'
+B->.B+' B B' @C@'D@ @,-J@D' AD'@SB E+@D' ,@C,G'+(+B@'
,+@C'E--U' VKK<' :' ' / &2$, 0
& 'LN +' 'D>@'+-'A-' @?A, C+>@' A'B?'+B +'
5C@> B',+@C+>C@',+@C' ,- @C@D' C@ B

*7' % + 7D-0 -< W*6' *6-' !=--<=> 7?

?E*E0-'K07W*6

K)'' '<) '!@C'.'W$>J0'L ' B@'+C>@'C@ SC?@C'
+B@'),'?,A ,'$@-C?@CZ A-+'+B@'$ D)'

:> '=-1 (4'L(0*D4-U ('=--<'K-01' 4=7

$&% ' C) ' *0 S 'LQ<&@CB J'?@G
?+ A@+B@ @?-,'-'!JD@C Z AD'! -CJ-A Z SMMS'<. @
>)' $'0 & (;PP'/D' +'^+B@'&@C J +@+ '&B,- -JBGa'
>JJ- @' AG'+B A.'-'+B@'-C?'+-'JC@@S +' A'+B@?++@CZ
+B@'@?A ,'-'+'E@A.''+ @C@' '+-,@C E,@' @A @'+-' +'
@C@'@D> @D'C-?'+')+'$'+ 9 ' ,0 ' ;QP' B@'
@?A,'-'E@+' SMK' ' + M ' 0 &0 ' e'=
3-+B@C @Z B B' CCG' A'+B@C' O- @,'+B@'@?A,'-'
-+,)' A I>,+@,
_' '=-1 (4)-==-47O <ED*
'$ "'&%' 2$ ' &0 ; D+Z OG C@J,@AEB'
A.'+B@'$@A' DD'!@?A,

'!@? > ,+G' ' 4=7 =-1 (4+' 0?

? A' 'OL> N G -1 (4TE(4+'L0 DL4-'70'

D7 <*7

;K=K ' '+ M 'C) 0 *L'.'B'S' '+B->.B'+BWC@'
@C@' '@?A,+@' A' 6CA@' [KP[' A'0..' 2' '
@C@'+-' >B+0'% Z 3G'F>,,' +-' @@U'+B@'!@?,A ,+G'-'
+B A.' B+)' -@CD'A'+,)@'' A@' 599\'V '
$.' ' ;=;' B@'!@A>A ,+G'-C'5@C?@A+'-'+B@'/ @ @'
E@A.,-D,@D'A'+B@'!@@D'

7' ,-1 (4 L07L-0 -=U =-1 (4 L(0*D4-='

K-0ME=' '(<

[KP!'+ ' 2' *0&0;P' ,@A'B>?->C'AD'@?A,+@'
;KMP)'C "' 0 ' '$!MO' B@'A,>? @'B B'+B@'
!@?A ,+@'-'+B@'&-S'B @'EG' A+@C? S+>C@' +B' -+B@C'
3,D@' ;KQ<') ; $ ' 'C$ &' 0 0 8;QSL(
KQ'!> B'UAD'-'?>+A->' +B->.B+Z >B'*@ ,-> @' AD'
>J -A' C@'+B@'@?A,+@'-',,'C@E@,,-A' .A+' -D'
KK+' ' + M ' 0 &(.'e'OK' U@'+B@'D J@C@D'
!@F A,+@'-'@.@+E,@''+B@'%C@+-AZ +@C@D'+?->.B'
+B@'B-@'3 '-'+B@' C+B

!@>>> ,G' =-.1 (4/' "'9 7W 0?'

28 ((Q' ;G' ('=-1 (4=(*-'70'1(-0

(=' ('=--<'K-01'70'0-L07<ED*)-' -4-1- *U *6-'

?701'70'=*(*-'7?=--<U (=0-K(0<='K-01 (*7'70'

0-L07<ED*7 ' 6-?4+

OKL=' R 9 '%C@@D' '7U' 'LP ,'JC@D +-A'-'
->A>A.@A+'+-'-?@Z-C-'@ @A+'A-+' 'G@+'@?A,,G'@S+A'
A'+B@C'A+>C,' >@' 'C-?'D A@'A JC+-A' ;K=N'M1'
/K '& -A'SSS 'L<=' '+B@'!->,@'E@' @?A ,G'+C '
D> @DZ+'?> +'E@'@+B@C C-?'+B@',SVDG'-C'C-?'+B@'->,@'-'
+B@'& C@A+' SM '+ '% +B' & ' ;NP' 7 BG' ?''
.>,+G'-'B+' D ?'DDZE>+'E@ >@':B @'A+>C@'+B+'
'!@?A ,G'A'B?' ;QQ' & ,$'<' 0 ;PN'
' @',,'C@ @ @D' A'>A J@UE,@'A*>C@'EG'E@ A.' @?A,,G'
A' D?' B@A'B@'@,,Z @',,'C@@ @D' ,-'A'>A J@UE,@'
E,@>A.'EG'E@A.'A'B,'-A' B@A' -D' JC+> ,,G'C @D'
B'?'>J' ;K=Q' = & --(10:' 'OM' @ Z
? G'E' D'+-'B @'E@@A' @?A,G'A'+B@,-A'-' EC B ?'
B@A' 3@,E,@D@'?@+'B?' ;KKQ A'< ' 0
:A'O' "-?@C -' .C@+'DC ?++Z AD' -A+ A'
+B A'B?' @?A ,G'+B@'DC ?'-'B' ->A+CG

*'!@ ? ,, : + ' 0(<' '

' L0-='LL4-' 7? ' *7 =7W G' '=7W-0'

7?=--<U (LL4 -< (4E=)-4+' *7 ('=-1 (0+'L0 -=*'

D?'= 0 (< 2 0 ' ((< ' (

, D!' '?!$0&''&%C$*' '%'L2 ' & J+'!@?AA+'
,-GA'D' +B'+B@'C@+'-'+B 'J@CA ->'EC--D@Z C@'!@?'
A A+' ,D@',@> +@,'-'-?@

+!@' ? A C,' ,0 'E,+ ' + /

@@' O'O2a'

$/>J' ' %)0 '&5'7?1(O>+'B@'-'B 'JC->D@A @'
B@'C@ @C>+'DADC@Z ' A@' @?A CZE@' I>B-?@'E@'E@'
JC#). +'E*'D- +C A@'+-'+B@'J- +@C+@

-R I (0'@ ,=-1 (0/' 0V-0'(<' '

+ ' 2 4U ! ' V-01(' E)-0=*-='

,6- D-' 'D-0*('0*=6'(< 1-0D('E)-0=*-=/'

('=-4-D*'K07EL' 7? (<)(D-<'=*E<- *=(==7D (*-<'?70'

=L-D (4'=*E<+' (<70K (40-=-(0D6'E <-0'*6-'KE<[

(D-' 7? ('L07?-==70' 4=7 ' (D4(=' *6(*

1--*-=?70 =+=*-1(*D'=*E<+'E <-0'*6-'<0-D*7 '7?

('*-(D6-0

$ O!' ' ' .) ' ' ! ' 'ON< A' @ '1-CU' AD'
7 BA.+-AZ ' ;' ?' A-+' ? A-C?@DZ '@?AC' C@'
J@C-D ,G'B@,DZ +' B B' ',@ @C' -?A' - B@'-+B@C'
,@ @C -?@A'A'+B@J-,+ ,2,+@ CGZ AD'@+B ,'+-J '-'+B@'
DG')4K<0 $!"' 2'L' >.'MS'^6A @C +G' S+@A -A'
?@@+A.' +'#S-CDa' '@?AC'E@A.'-C.A @D'A' -AA@Y
+-A' +B'+B@'@-A-? ' ->C@Z AD'+B@'+>D@A+' ' C+@'
@ G'AD'B @'+>+-C ' >J@C E--Z 4K<L' ,$ &' ' $','
JC'OQ' B@'!@?AC ' - @+G' -C'+B@'JC- @>+-A'-

AD@J@AD@A+' -CU)'A' -?@' B- @A' @,D' B@C@' C@'+-')'
@.B+-' '+B@@'!@?A C'A@S+'G@ ,' ;<SO' 5*& & ' ;>,G';M'
+'B 'E@@A' @,,'D@ ,+' +B' A'+B@'EC,, A+' A>?@'- ! G'
C-?'/C'! AD*)'!@?A C

(0 4,=-1 -$0(4/'(' 0?' Z 4

'B G ?70'L-0*(K'*7 ('=-1 (0+

S)'+C'?), ' ' " 0'<&0 ' ;KN' C->C' C@' A @ +@D'
+B'+B@'.- @CA?@A+'-'@?A C ,' -A @A+' XK -'F 9
0' && ' Z 3 ' AU,@+-G' A'B@C' @A>A C,' +@'-'
@S +@A@

-1 (0, (',=-1 "> @/' '(< ' '

0?' 2 ! ?' @' 2 ' '

OLK=' A'5-,@G' ,0 'C %(0'6'0'8;KKN(' 'QOO'3 C+A'
CC GZ '!@?A C A'JC@+

C' '*'('=-1 (0+'L0 -=* *7W

=*E<- *(*('=-1 (0+'70 -=E *=D6774'('=-1 (0=*

;PK=' A'5-,@G' ,(' (C & (('8KW-('QO;' @Z
-'5 B@E-CA@'C@@ @+E'%-CC@CZ ' !@?A C A' ;Q)' +C'
?$) ' 0! "' 0' ('OQ' +'@ .B+'-, U'A'+B@'
?-?>.'+B@' ,@.G?@A'-'!+' B-, ' @C@'DC ..@D' +B'
+B@C' @?A C A'+-'+B@'E-?@'-'!+'5,C?A' O<NK8 '
8! ' A' 11 ' '!0:A'OP=' A'JC-+@+A.'+B@'!@?E'
A C A'C-?'+B@'UA- ,@D.@'-' U CD' +

-D-' -= (@0(7 = '*6-' 1(-0=1'7? ('

=-1 (0(

;KQ< 7 '3'06%$ ' $87 "' #))S ' KK-(;L<'
85>AU('"@Z +',@ +ZB 'A-'@?ACA ?' E->+'B?'" B@'
DZ A D@A+ ,,G'+-'$@ @

-1 (0=*,=-S1 @F=*/' 0?' &2 ' -

S : ' Z ' ' : " ' ' (*I (01/'

L '%K ' *' ' 'E' V-0$ W' ('

0

: ' 71('(*674D'L0 -=*-<ED(*-< '('?70-K'

=-1 (0+' '*6-' :*6(< :!*6'D' -=L'(* 7E(+'

?70'*6-' K4=6'1 =7 ' 7WE

$/I'-B. ' %((,*((;=Q'#A@' B-'B +B'?-C@
mC- +@D'+B@'%B>C B'-' -DZ +B'B' A@C@+C A,+-AZ AD'
@CA@D' AA-++-AZ+B A' ,,' +B@'J-J B'!@?A C@Z AD'
!@?A C +Z B ,'E@'E,@'+-'B AD@C+' ;MQ<-3)'C&*'
C!& ';Z ' >CJC X@D'B@C' +B'+ -'-'+B@' B@'! -+ B'!@?Y
A C +'-'&C' ?>$'=' S ' '(? 0:::' (
$-$'7' B@'$-? B'C@.>,C' ! ,% AA-A'$)>,C@'
B@ +A Z#C+-C AZ !@?AC +Z %B J+@C,W+Z \ ' SK'W
'$' ' &)' 0 $','K B@'+-CG'#'+B@'J--C @?Y
A C +'-'/->G ' $&$ 2Q ' ' '(? 0 8;KMQ(=O=
B@' @?A C +' @C@'>A @C ,,G'C@ @C@D' ' AD D +@'-'
?C+GCD-?

: ' '=*E<- * '('=-1 10+U D6-?4+@ ('=*E<- *

('=-1 (0+'?70'*6-'*0(K'7? 71(' (*674D'

L0 -=*=

K !' 6)' !,&1 $'"'?$ $! $'<N' '+D@'-'?-AU Z
C+A ZA- @Z @?AC+ JJ@C@D' ,' -'' >DD@A'
,- A.'-C+B'C-?'@ @CG'@,,' AD' ,- @C' OKK<' -' *(
:A' 4KP B@'.C@+@+' +C@' ' , D'^A'&C> A'+C A-AZ
-,,@.@a'-A',@ CAA.'EG'B@C+' B@'@?A C + ?>+E@'E,@'
+-'C@J@ + +B@'-+E'-U ,'+B@'! CJ+>C@'B +-C@'C@D'AD@C'
B--,' ;KQQ'/'3'9 .) $' 'PO B@'0 B-J'D-@'
+B@' ?@' -C ,' +B@'@?A C +' B-' B'+-'E@'-CD A@DZ
+-' ' 6-*-(D6 K + '(@?A)'

$9 ' 'N ' $!"';';8;KQN(+.' B '%B>C B'A-'
E@,-A.'+-'+B@'!@?A C +'-'-C?' @C?'A'%-,*@D.@' OKQL'
= '$-> @ >' 'PM!B-C+,G'+B@'!@?A C +'C@J-C+@D'
+B +Z +B->.B'A+-' ->Z +B@ C' J>J,' 'A-+'@ @A' .--D'
@A->.B' -C 'JC@ +Z -'D@ @A+' 'B@'A'A+@,,@ +> ' >,+G'
O)') %'%' ? (44 'O=;' " @J+'+-'+B@'@?Y
A C +'-+'!+' XC@'+-'E@'?JC- @D'A', C

'?@?E@C'-' ' 'A'

$%)'3' '8;KK<('L=Q' ' -++A.@A' +>D@A+'
->,D'A-+' CCG' +B'B ?' A+-'+B@' -C,D' AG'E@++@C'C@ -?Y
?@AD +-A'+B A'+-'B @'E@@A -A@'-'"@GA@'' @?A C +'
N53H , $%%' ' ',",!(! 'V'&2!(O=<QO^7@ @AE@S.a'
@A+'B ' @?A C +'-'+'&@+?-XX'+-',@ CA'+B@'A@'?@+B-D'
-'A+C> +-A

-D-' -14 E04.=*7('7?70'L-0*(K'*7 ('

=-1 (0+'L0 -=*

;97;' $,(44 'O<<'B@'? S+>C@'-'@? C +,
?-D@+G'AD'A >+ ,'D@ 6?G C@ BA@ ' >@D'?@'+-'
?,>.B'->+C.B+

Q' -11(0 I-f'I' ' C0' Z' 2

[B ! 7'=7W

A/OJ (' $ 0 ' *Z I,@ X@C '+B@' C+'+B +'
@?A CXD'+E)'B-J@-' .A-CXA.' AD'C@@D-?@ ?-A. +'
+B@?' ;MLL'%-9 $ 3' Z - '$ 0 '+-' -'C'J, A+

-1 (0+' ,=-21 (04/' L' 701=' '=-1

(0'=-1+(0' '=-1+ (70+' !'=-1 R(0-'

'=-1 (0+-' ,=-1- (0-' +-'=-1+ (0-'=-([

1-((0+'*0 ,(=-1 -0- =/' ,!'=-1- (0+/

'=-1 (0+' -'(4=7 2 9 ' 2 U'

Z(<' ' + '=--<L47* ,(4=7 L '70K'

-E*'7? +' 2 ' ?' ' '

L'%K' *' 'V' :

'L-D-'7?K07E < 'W6D6 L4(*-'(0-'=7W'

,70 0(=-<'?071'DE** K=' -*D/ *7 3-' (?*-0W(0<='

*0(=L4(*-<U ('=--< L47*'

,'O==NC$!!$ 0&'' % 1('=KN @+' @+'A'+-'+BG'@?GA C'
E,>@'J,>@'E- ' *' @@+,-A.'-C >@' 1 06'=K<Z 'P)K'
SK-X (..)'C!''"'S 'S' 'PSN'%-A@CA A.' @?A C@'
AD'A->C@. CD@A 'A/'3 . ' 0'<$ (8;MQP('=M B@A'
+UA.'G->C .C +@D'+C@@'->+'-'+B@'@?A CGZ G->' B ,'
+C A J,A+'+B@?' A+-'+B'A>C @)' OQS<') ', 9
&-*!(<$ (;KP'5-C' JJ,@+C@@'!@?A A@ZJ, A+'+B@'7 ,DY
A.'.C- A'C-?'+B@'9@CA@, '5-C' '!@?A CG'-'&,>?E)'
J,A+'+B@'!>U@C'-'+B@C' @ @C ,'U AD' OQQK'$'9
<$ 07'C!$' ' $!(8@D'O(KN B@' >C @CG' JD'!@?Y
A CG'$ AO B ' (& '8;KL;(' =Q' B@G'B @'
E@-?@,'?@C@'@?A C@Z AD'-CC A.'D A'+C@@Z

?*7'

A/O+' 1 ' 0'A(B ' 'LN A'+B +' ?@')D+A',' +B@'
..-D,G',- C@Z7B@C@ +B'D ?@' +>C'D-+B'B@C'E@ >+ @Z
' C@'@+@E+'+B@C@' '+B@'C +'@?AC@#' ,,'+BA.Z+B +

(0-'E-CA@'+-' E=DAD'D@'^@+ a' SKM-'
O<' B@'.C->AD'+@,'C-?'+'-' A' @?A CG' @A+'->+'+B@
>JJ- ++->'C-J'-'- +@

' ' 'L4(D-'W6-0-' (1(4=' (0-' -<U

('0-K7 'W6D6 =ELL4-= ,=71-' J <'7? (1(4/'

4=7'('=*7DJ'70'30--<,7?(1(4/'

A%+>' 6 .' &) %0'?$ 'O;' "@'+B +' ,,'E >@'.M-D'
,- U@'-' @Z?> +',--U@'+B +'+B@'?,@' AD' @?' U'E@'
-?D@2' AD'->+'-'' '--D'@?A CGZ '-' C D '-C'$@'
1 0K< @CG'.C@ +' AD', .@'-S@AZ B B'+B@' ABE+ A+'
,'C" ,E"'E@ >@'+B +'+B@C C+' +-U@?' '@?A CG @C@'
U@J+'EG'9 A.'&CCB>' SKS' .) '!!) ($"&''
C&!"3&!1('<< B@' B-,@'+C +' ''!@?A CG-'"-C@'
$ /'( ) ' 0 , ' ';<Q 3 A'C-++@A'%C @'
E@-?@,' '!@?A CG-'7-C?

$ 'L(D-'7?70K '(< -(04+'<-)-47L[

1- *U ('L4(D-'70'*6 K 'W6D6 =71-'*6 K,-'K'

('(0*70'=D- D-'(')0*E-'70')D-/ = <-)-47L-<70'

DE4*)(*-<'70'?071'W6D6 * ='L07L(K(*-<(3** '

<(*4+

S)$2G)#&)))+-? B Q))E+'3G'A DE,@ AD' A+-A'
@C@' 'B-?@','->AD@'+B@'@?A C@' AD'?--@C'-','-
.C@ +' +C @' AD'+C->E,@Z A'?G B@C' OP<K'$'X 0
!!$' Z BGA@'@G@'8+B- @'!@?GA C@'-'?G'.C@@C'
;MOK'R 9 '%J@) SS'7U' 'OQO B +'+B@'@?A C@'
-'J-@+CG' B->,D'E@'+B@' B@'A>C @'-'D-,+CG'C.>@'B-'
J+'+B@'-A@' '+-')A.'-C+B'+B@'-B@C' OK=K ' + M
C) (*(:$ 'L)' -D+'B +B' +B' C@+G'D J-@D'+B@'
JCA J,@'-' ,,'+B A.' ' @,G' -A+C A.'+B@?'A'+B@C'
JC-J@C'@?A C@Z AD' B@C@'+B@G'E@ +'? A+ A@'+B@ AY
+@A+-A'-'+B@C' J@ @Z $'SK K A 'C&2 '&%C ',
' 8;KKL(;PM B# B,->D'-'+B '?(E,@' C)'-'3 C+GC'
E@ B@'+B@' C>+>,' @?A)'+B@C@-' OKP<< '!0 $!!'
8;M<K(+S=' ' @A+,@?@A' ' ?,@' @C@' -'#CD@C@DZ '+-'
E@-?@'!@?A C@'M' AD> +CG' AD'!-EC@+G'OK<K O "'
($ '8;QO)'KK B@'%B -Z+B +'UA- A'>AD' AD'@?Y
A CG'-'+B@'!S'/)'%C@+-A' OQ=='+ 9 !' e';='
7U\';KQ; '=;P'@:' B B'D@?-A +C+@'+B@' C'+-'E@'
-??-A'@?A CG' AD'C@ @J+ ,@'-' ,' GA.'JCA J,@'
;KLN' : 9 ' ,$!'C !, 07U' OK=M ';;L' B@'
C+>@' B B'.> CD'+B@'A +>C ,'@?A C@' +B@' @+-A'
C@'+B@C-A,G'+C>@'AD' ,+A.'C@AD' OK=< ' :
(' 0 ' '40 B@'%->AD,' B?E@C' +' DAE>C.B'
BD'E@@AZ' '@?A CG ,'J>E,' AD' ,'JC +@' @'
;KK= M) "'2',&2 ' 10'!') & '@ADZ7@'
C@'JC- ->AD,G'+B AU>,'-C+B@'-? ' A'-' ' ,,- CG' +'
->,D'B @'E)A' 'A C@CG AD'@?A CG'-'E,>AD@C'

*7' 'L4(D-' *1*@'=7D-*+'D7 <*7'7?*6 K='

70'*6-'4J-' 'W6N@ =71-'L(0*DE4(0'D4(==7?

L-0=7 =(0-'L07<ED-<'70'*0(-<

$' '&'0 E'8;MLL(' B@'@?A C@'-C'
E@@'B @'-'? AG'+B-> AD'-'3-AU@ 'OM;P'I'!'? $ '
?) 'I'O'OG' B B'?@ A@'@>@CG'O> @'B,,'E@''!@?Y
A CG'-'! G,-C' ('5 B@C' ,-Z -C -' B ,'@>@CG'E> @'
EC@@DO' AD'? U@'!S@'A@ '3 CCA@C '$'AO' ' &'
0',&' 0 $ '$''7U';KOM 'OL=' B)@' 'A-+'A'+B@'
-C,D'. A'>B' JCA.' AD'@?A C@'-'?,+CG'J@-J,@'
' A., ADZ! -+, ADZ AD' C@, ADZ$';MLP'(X(' $ - 0
'0'8 CE('LL' B- @' @+B@C,AD' C' @C@'+B@'F>@@A'
!@?A C@Z AD'+B@' >C @C@'-' '@CG' AG'EC'!->'D@C'
OQPN ' 0X' 0 'QMO' B@'A-C+B'>@D'+-'E@'+B'
@?A CG-'"@ACG AD'3)C@+'-C@Z>),G A.' $'
-A+ A+)' +B' C@WB'C@ C>+' OQPM< 0 B. '&%'
$' (($ ')=%'A'+B@' @ @A+B'@A+>CG'!+' A @B+'
A +@D'? AG'B-,G'?-AU' C-?'C@, AD' AD'! -+, ADZ+B A'
@?A C@'-' A+Z A+-'+B@' @+B@C, AD ' OKQK
$'' (7' 0 ,&0 !('LN<7B +B D'#+(@E@@AZ+B@'
@?A CG-' ' +->+'%@,C 'J@+),@Z AD'%B@' >C @CG-''
EC @OC+ B'C?G

Q' ' 'D7 * E7E'=ELL4+',7?('D4(=='7?L-0=7 =/

OMPL M<' . & -& (;;;'8OMQL(MM S' AD'C-?'B@A @'
>JJ,G'+B@@? @,@ ' +B''J@CJ@+> ,'!@? A CG-'!,' @' AD'
!->,D,@C

#' 'L4(D-'7?'-<ED(*7 '=D3774'D7 @U-' E [

)-0=*+'70'*6-'4J-'U 7?*-' -RL4D*4+',D?' '(/'

' ' ' % % '-*' 4=7' '170-'=L-D?D'

=- =-' ,D?' '3/(' =*E*7 '?70'*6-'*0(K'7?

67=-'<-=' -<'?70=71-'L(0*14(0LON'?-X=7

A'+B@@'@ C,@C'B ,'-'+B@';<);' '!@?A CG'-C'1->A.'
D@'' '@CG'-??-A' '+B@'D@ .A+-A'-' ' JC +@'
B--,' -C.C, ' B' >@ 'J@CB J'A+-' B-,,G'-E,+@Z
E>+ 'A-',-A.@C'A'C@J>+@

OPKP (C "' &)',! ,&(!@C' ' 'L'6A @C?+@'
AD'@?A C@+'+-C'A+C>+->A' C C@'J@C)A ' +M)'
$) ' A' 0 $. *!'<$-0 (8SW<O(KO B '
E-,@'!'JCA J ,,@'-CD A@D' '@?A C@'-C'EC A.'@A>'J'
-'%BC + A'B,DC@A 'SMSS'# ! ') 'LQK'!)--,@'
B B'E +B'E@@A@'? -+C>+>,"' @?A C@'-'?'AG'@S,Y
,@A+',@ CA@D'?@A'$%O'9 X %'7' E'8O<NQ('LNQ
B'$-G,'!@A>A C@'^ +-Aa' OK='-B. ' &!"'7'C &%0
0 $SS ' ;=M "@' 'JC@,@CC@D'+-'E@'3 +@'-'7@+Y
?A+@C'!B--,' ?-+ ?->'?@A C@'-'@ CAA.Z$'OQNN'
3 ' $ "'N 3C' ;KKQZ ?>B' D?C3'+B@'-CD@CZ'
@ -A-AGZ AD'@S@,@A+'.- @CA?@A+-'+B'?MW+' BC+E,@'
@?A)'^%BCE+'' ;QN<' M ' '$', -0 ! (

'A+-A B->,D B @'@+E, B@D'-',->C B)' '@?Y
A CG'-',@ CA A.' OQQ=' " &!0:=LK B@G'@C@'
?D@'>@'-' -C'@?A C@Z B@C@'G->A.'J@-J,@'+B@'
@'+B@'XK--' ' ' $' 10 0 8@D' (' <' B@'@?Y
A CG'+-'B B'3C'% ,@AD B' -AD>+@D'B' -A' ->,D'A-+'
JC-J@C,G'E@'+@C?@D' (B--,'A+0) " $'3 'PU
' DG' B-'E@,@'@'B@C @,'+-'B @'E@@A+B@' ->C+@'-'+B@'
B@D'-'-A@'-'+B@'?-+'A>?@C->' @?A C@'A' A., AD'
OK;P' '<)'" (S Z -'J, @'B'D>.B+@C'A' '@?Y
A CG'-C'@?'@'@D> ++?' 5N5" *& ' ' $ (';L' B@'
?-D@?'?@+'JB-C 'C@ A@?@A+)'+G,A.')--' ' @?Y
A CG' B B'? G'E@'A-' '@@A'A'?'AG''E,AD' ,,@G'-'
-AD-AZ A JA' 8 2&'' '= +'+BK'>>', @'
B@' ' @A+'+-'+ -DG B--,' ' +'!U,,,)DB' AD'!+-U@Z
B@C@'B@' I>C@D'+B@'@D>)++-+' B B'>B'@?A C@'
-CD@#'OKLQ'8&,% 5 ,&E#' ';N01->A.'7 ,+@C'J@A+'
-A@'B->C@D?'G'+' ' ? ,' @JC+@'@?A CG-'7C+A.'AD'
C+B?@+Z ;K=N ' ! '(&*' Z7B@C@-A' J

/@ C@D2 A C >? ?E @A+ ,->C B@ 2 +B@ -CD D@)
!@? A CG ;K=N : - [3 $ $ E ' (=P B@
A+@C@ + - - @+G D@? AD2 +B + +B@ A>?E@C - +B@ .C@ +@C
@? A C@ - @A @ B->,D E@ @ ;KQM : < ?
,.0 ,&0 $:$ON; B + ?-> @? A CG+ E@CD@@A 6A @CY
+Ga ;KKP 7 ! < .$ & A-2 BC@@, ++,@ ? D
B-2 ,, >A CG %-?@ C-? , D@ @? A CG2 5C@@D C-?
+ .@A > +>+@, CG] BC@@, ++,@ ? D C-? B-E,

@ & & ! =D6774 70 D744-K- ?70 *0(K
L-0=7 = ?70 *6- L0 -=*677< !*6 D 7?*-
E=-< W *6 0-?-0- D- *7 *67=- =* *E* 7 = - K(K-<
*6- *0(K 7? L0 -=*= ?70 *6- K4 =6 1 == 7

;PK; : ' . $ 0 $,0 J + < " @ B@ A-+
A@.,@ + + G@ - -A - + +- J, A+ ADC @ U ? + AD
.-D, @ -A. ?@A A J>E, U @?? C@ ;PK . . $ 3
" 0 $ - * & ' 8;<NK(M " @ C A. +B + +B@C@ !@? A CG
A-+ ,-A.@ E@ -C@ E@.-AA@ A / - G $/ 0 (C$ D) !!
= $ &) *2 + +B@ , +2 B@ C A. +B@ ! BD,@C -
+B@ A., B !@? A C @ ?@CC @2 +B@G C@+>CA@D C-? +B@ C
A@G CD@ ` +-,@ ->+ - $-?@ EG A .B+ ^@+ a ;) K
. . 1 8@D =() - ' $ "00 %-6@D.@ JJC- @D -C +A@
@D> + -A - @ + - +B@ $-? B %B>C B2 B- @C@ +-
JC-J . +@ +B@ C / - +C A@ A A., AD2 -C -+B@C & C+ -
D @C@A+ J@C -A SGSM A & GA@ ,T $ &! ,
& % 8;KKN(;=K : -B- A- A -?@ &-J) @? A CG
EC- D < + <) (;M 5-C ?-C) +@C @ 2 @
B->,D C@ D -A @A+ 2 ? -A B-> @ 2 AD @? A C @
3 A H % ,

;) ; H' $ 0 ,0 &,(C) !% (ON 7 ,, ? +B-C,@G
EC->.B+ >JJ@ A !@?GA CG %-,,@.@ + $@ ?@ * G@ C@
S) $ " 0 $ - % & 8;<NK(N< %-A @ A. E-,D,G
B ? @, +- E@ % +B-, U@2 &C @ +2 A !@? A C @ ? A -
$B@?@ S K A $ 0 ,0 &,(C) 1!0 OM " @ E A-
8 VA +B ?-A@+B C@+>CA@D !@ ?@ A CG JC@@ + C-?
$B@ ?@ SD<L - 0 ,. !" P ^ B@ ?J@C-C - +B@
" -> @ - > +C a ,,@D +B@ C %->A+C@G +B 3 -A C @ 2
-C !@? A CG &C @ + 2 @ ,, +B@? $>/0 0
,& 0 + 7 U OK;L 2 P= " @ DC- @ ? AG - +B@ @? A CG
JC @ + ->+ - +B@ U A.D-? SK S V ' 0 2 ,@
- , A. + -A@ + ?@ A , A@D +- > J@ + B .>@ + -
E@ A. :@ > +2 -C @? A CG JC @ +
^ 2 ; 4=7

?? ,$ - " ;Q > . ONL 0 B@ @ >A) G +@? @@?
+- ? U A. G ^ + " C CDa B@ @? A CG E A -
@, + -A - +B@ +@ B@C 2 @,,- 2 AD B-, C 2 8-C +B@ JC- @Y
>+ -A - -C . A , +>D @ EG ?@ A - DE > -A AD
C + ? ;K<; ') " 0 !@? A CG ->C @
Q ! 670* ?70 , ,=-- 3/

;PKO 7 . *! & ') + +2 B B->,D E@
A-+@ A-+ -A,G +- +B- @ ,@ > +@ 2 E>+ +- ,) + -@>@C +B@G
E@2 ,@ > +@ 2 -C !@? A C @ -C ? @JC @ +@ 2 -C B + J@CY
-A -@>@C ;L<L 9 3 > 0 b " E2 B@ $-? B
!@? A C @ B >@ A-+ ,,>C@D A+- +B@? - ? AG .--D +
+B@ ?@ OMS= 0 ! ?$ 0 $ 2 B ,@
.-A@2 +B@G ? D@ ?) 2 G@ ?@2 +- ? + U@ A B-A@ + X@ ,->
&>C > A+2 -C !@? A CG2) * % !@J+ 8# " ! (
" ;MO 3 :@AUGA ?JC -AD -C @? A CG
?3 ?*- *0-(*-< (= (=E3=* E=- 7? 2
W *6 *6- =- =- @7 - W67 =7W= *6- =--< 2 ,7?
71 =6 <7D*0 -/ -- 2 ((< ;

=b < ^ @@ * 8/ K;N : + ? ' (O B@ C
G-A. CG@ - !@? A C @ AD @C ?@A2 B B C@ +C A@D >J
>AD@C +B@?2 @@ A-+ +B +B@ C - A@ @G@
* -21 4 (0+ (< 0(<
+ ? =--< U =-- 2 ! .
R 2 (

OP<O 9 C 0 C ' ! " 2 B@G ^ J C + a - -?JC@Y
B@AD +B- @ @? A C @ @A>@ +- ?@A AUA- A2 +B + +B- @
+B A.@ B B2 A ->C @ - + ?@2 +>C@ - + @, @ A
@ @ +2 +B@G A -A+C >@ AD -?J A ?-?@A+ SM-
+ $C - $) 0 (,$ 0 8;M;K(A QOQ B + B B
+B@ J- A+ A +B@ 3 +B@? + U 2 +B@ ?@ +B@ @? A C @
J- @C A +B@ &B U@ OM;P . ?& " & % $ ' 5
C +-+,@ ->,D B >@ +B + B>?-C B B >-GD@D EG +B@
A@ U@ - +B@ ? +C S A-+ +- E@@ @? A C @ -C @@DG B>?->C
OMPN ' # ' &*&- 0 OLL B@ @ +@ AD @? A)
@ @, OMQO :) $!!& 0 , LL J@ E,,G A
D@ , C A. +B@ C--+ AD @? A CG J- @C - 3 @+ , OQON &
' ?& 0 (LNM B@ !@? A CG & C+ ,@ A +B@
$ OQ=O A A 0 ' 0 OL; B@ @A>A CG
0,- C @ @,
; DDEL -< =7W K =--< W *6 (44E= 7
*7 2 ^

OMN< ' 8/ -> G(- $DC M AD - ^B@a ,,@+B +B@
-+B@C J- +,@ & ($@ J@C 2 AD ! & >,2 E@ A. J@Y
,,G @A+ +- +B@ @A+ ,@ 2 - ' $ & - ! - @C2 -C !@Y
?? C@ J- +,@ ;M=N < % & &% - 5-C+ GY
A. +C>+B2 . A + +B@ !@? A CG A >C -A - +B- @2 +) +
@@U@ +- @A C- B >J-A + A @A+ E->AD
, 071 (3=74E*- E=-= 7? *6- (<M /
: (K-01 -130+7 =-1 =< L(0* D4- 3 , %
6- 1703 ?D 1 (**-0 70 L0 D14- ,7? (< =-(=-/U
, K-01= ,7? ?-D* 7 / ? 2 (

;MQO : 9 $!!& (=N &, A+ @C@ A-+
C@ +@D J@C @ + + C +2 E>+ -A,G A +B@ C @? A C @
,S 59, M 7 & 0 % ' , * B@ ->C@ AD@
EC A. D >@C @ + -A - +B@ C@2 AD @) ,,G -A+ . ->
@? A C @ OMPN ' # ' &*&- 0 O== A B-? +B@C@
, @ B D +B@ !@? A CG - D @ @ OMMP M ? 3 (
$ 0 C!$) " -> @ E> ,+ >J-A , G AD -..G .C->AD
C@ ?-C@ >E*@ + +- - 9@ @ J@ + ,@A+ !@? A C @ OMK= +C
?& ' > ,0 &- * 0 ONO B@ &, .>@2 B- @ %$ - (
@? A CG2 -C -A+ . -A G-> ,, A@ @C + ->+ - +B@ 0-DG2
@S @J+ EG ^ ,@S,+@C U -C !>D-C U a OM<= ?$ >
' 0 4;h;\+ ;<O O / @D +@D +- +B@ 9 DA@G AD 0, DD@C2
A-+ -A,G +- @ > +@ B + E -> AD ADG A +B@?2
E>+ , - +- ? - @ +B@) !@? A CG +B@C@- 2 AD B AD@C +B@
C+B@C @A@C + -A - ! AD2 C @,2 -C !+-A@
=7W-0 7?=--< 4+ D6 -?4+ W *6 LE [
K (44E= T @7 2 !

8VPKL; VDS- @@ - 10" E a $ SMK- ? ' $ $,0
- - (4;hR + , =PZ &@++ -..@C E @? A CG2
+B + - C@ ? -A. + 5C @AD +- @A+ A.,@ +B@? A %-AY
+@A+ -A +B -A@ A-+B@C

) !@ ? A +@2 &1 0 ^ D
L(LL4- 7? J F =--
==-1 (*-<

$;PMN : L) 0 ') KP; B@ > >@ -D->C 7
@? A +@ E->+ +B + E, >,, +->C
!@? A +@ ,=- 1 - */ 7W % 0?
LL4 =*-1 7? *7 =7W 30 K ?70*6
L07L(K(*- -*D ? F =-- (< " G
: 7 =7W U D6 -?4+ . *7 L07 1E4K(*- 70
< ==-1 (*-

C! 3 ' ; A !+CGJ@ ,,!0 -0 8;QLL(JJ ,
=S 7 B- A+@AD@D +- @? A +@2 @A.@AD@C2 \ EC@@D2 ?-A.
->C J@-J,@ \ >E*@ + 2 ? - + ? B@ -> \ @D + ->
#J A -A OP<Q 3 +C <) !! - $) > 0 .) 0 E2
; ? A-+ @A+C@D A+- +BE ? ++@C +- - @ AD @? A +@ +B@
?@ A A A @C+ ,,@ .C- AD@ S) < B. $ &-(9&
A +>C ,,2 B@C@ $ +B@ AA +@ JC A J,@ 2 JC ?@,G @? A
+@D2 -??-A +- ,, ?@A I A>J& (% 0 6 0
& 8;Q=O(O=K " @ B@ @D A AA +@ " +?D - J-J>, C
5 + -A @,, +B + B B E D E@@A @? ?6@D ,, - @C
A., AD , - ^@+ a OQ<M 7 " = . . ' 0
: OM= B@ ?@+B-D - @? A +A. +B@ 7 B@ + C-J
+ E (8%) D

SMS- < B . . $! " S 8;M;O(;SP +B@G @C@
+C- @D2 -C 8 ; ? G E@++@C +@C ?@ +(@?,A +@D ,, - @C +B@
@,D2 +B@A @C@ + A-+ E@AD E@+ @@A@ E>+ >J-A -C - @C +B@?
; 7 L07<ED- =--< A

' . &' - * (0 =LN B@ @ C@+ J CU - , @ +B + E
A +2 +B + ++C + 2 A C@ @+B2 C- @+B2 !@? A +@+B2 JC@Y
@C @ + @, AD + U AD
- D- ->1 (*-<M@YC #:
SMM+ 6(. * $ ' ' ! - &'C $ 0 OLM 7 B@C@ -C@
+B@ B-,@ ?>D@ @ AD JB,@. ? + D / - +C A@ - ,@A2 B +B
E@@A DC @D >J A @? A +@D -C @@D @D !+-A@
!@? + + -4 ,=-1 1@>M" / 0(
? *7 =7WF =-- *
6- (D* 7 70 L07D-== 7? =7W K 6 -?4+

Jj j j j j j j j j j j j j j j j j j j SK) 3 . " ! $
? D @ A G B + !@@D E ? - + .C@@ E,@ +- +B@ ! - ,2
G ? ? G E G +B@ +BC A. JC- ? >-> !@? A + -A ? U@
*>D.@?@A+ - + 0Q) b . ? 1! ONP
5C-? ,@AD@C !@? A + -A - +B@ - J@, +B@C@ , U@,G
+- E@ + " C @ + ;Q<Q : 8 A &' !" $ 0
4 LS= + E E@. AA A. +- E@ - A +B +B@ @@)
- > B @ ,>- 3 G +G,@ 5C@A B JC ADJ,@ A @
G@ C 2 +B@ @? A + -A ,, >A @C , AD -?J,@+@
3 17<- 7? K0(?* K I

S) - . 7 0< & (@S ' & (!@?E + -A2 A + -A2
A- >, + -A -C ?J,) +C + -A2 +B@ +BC@@ DAD@ - .C + A.2
? D , -- TE7*/

O0= C B 3 5(C ." ,&3 (8@D O(2 - ' $ &' (
,,@D EG 0, C > +B@ ??E -A - +B@ 3 ,@ !@@D ?+- +B@
7 -?E E %- + -A
; 6- ' <ED* 7 7? =--< 70 =-1-

OMPK R 4 - ' $ &'(-C) ' $ &'(- A.2 -C
ECE.E. # +B @@D2 $;KQM M C - 0 ($ ' 0
+ 8;MQQ(h AD +B@C@ -C@ > B " @CE 2 +B@ C !@? A + -A
E@ JC@ @A+@D EG EC A. >+2 >C @ +- +B@ A@S+ 1@ C ;KOO
_ <&& !) " 04 0 0 S;O B@ .@A@C +@C ? &C- -+
-C &C-@-+@ E -J @D C-? B@-JB) > + 2 B- @ @C2
J@ >, C,G JJ, @D +- JC@? +>C@ @? A + -A XK) # R
$ 0 0 0 ?& SO= ,, D @ " @C C@ @C@ +
+BC->) ->+ +B@ JC- @ - ,-C@ @A @ AD @? A + -A
6- (*E1 <) -0= 7 7? =--<=

OQMW :+?3 - $P 0 S) (' & 0 B- @ B-
J@C @ @D +B + @CA JC-J . +@D EG @AC A +,-A2 AD G@+
->,D A@ @C @@ +B@ @@D
: ! @ 8(0

OQ=Q < ' !0 $ 0 4 POQ 7 @ C@ A -C?@D 8EG +B@
,@ CA@D 3 +, AD() +B + +BE ?@+B-D - !@? A D-A - +B@
? ,, J-S B E@@A ? > @ E- @ S-EG@ C ?-A. +B@%B A@ @
-(E (*) - ,=-@1 @?*)/ 0 7 -<
(= 2 TU U 1 ! () K *6- ? -* -1 7?
=7W K 70 L07L(K(< KU D(L(34- 7? =7W K =--<=
,7? *67EK6*/ " , * " + D?
2 ($2

OL<K >[5 ?$ (C((S S, 80-D, 3 ! (2
@ +> @?GA + @ - $@ @ E A aV@ @D@ A +B@ + ,U@ A
JC @ AD A C-+@ SMPX 77 2 * 0 5 QL B@ @? Y
A + @ J- @C E + U@A C-? +B@ C+B SKSK ! -
& 5 & $, OO , +,G2 +B@ B-,@ C ?@ - @?,A +, @
A +>C@ 2 EG ,, +B@ .-D 2 D +C E>+@D A JC-J@C -CD@C
OKK< O MB H. . $ 0( ) 0 & 0 $ ' 0 8OK<;(;=L
B@C@ B @ E@@A ?@A - .@A > 2 , U@ ?@C -A2 C B,G @?
A + @ -C -+B@C ? AD
* - ((*70 0(a E (K- *
? F =-- 2 % " =7W-0 (=D(**-0-0
7?=--< ,H *6 TE7* : " D? 2 (

4MN< 7 - # %) (8O<NQ(=MO " @C@ B +B E@@A
++@C@D C@J-C+ E G +B@ &-J@ @? A +-C +B + BE 3 *@ +G
B D ^@+ a OKPO &$! 7 % " +C ' , **&!0 Q B@
-D C> + >, !@? A +-C2 B- B@ B E B>AD@C EC ADEE@ 2
D-+B B U@ B@ +C@?E, A. -C,D
Q >(E E <\YY?N9> 0? !)3 (<
F =-- 2 + ^ U

OMNL 0 # V ' % ' $ ' - 0 8;MN=(% O C@A@2 -C
&@ @ " @C ++ C@ 7 B +@2 @? A@D +B !+ CC@ $ OKSM]
" ' ' I O $@ -A2 @ +@D A +B@ +-J - +B@ ,-E@2 B@C
C?@A+ E,@ 2 AD @? A@D +B !+ CC@ XMSS 1)
< 0 ? 0 4 c S$ e =Q &B , J D@ ,-G +@ C- A@D A
-,@+ @,>@+2 @? A@D D+B .-,D@A , ,, @ OMQO R
& ' 0) - * 0 M
Q - 1 . (4 0? 2 82
&4=) ?70 L-0*(K *7 (8 =-1 *E
$ ' . C - (($ ' (;;; 8OKQQ(OQO B@ !@
A A & C+ ,@ - A @ +
- * 44 .?-) (4 0? .
. G *7 3-(0/Q (! ^ 8 3 8 (
0 ;K=N : 2 PNN O@+ @@A +B@ @? A @C , +>E@

!@>>A @C-A ,=-1 ?-07=/ 4=7 & =-[
1 - ^ 2 0 i 9 + ' !
: 6 -(0 K 70 L07< - K =--<

- ' % &) ,$! (A & ' % +B@ ,@ E- @ +B@ EC +
,@ E@ C A. +B@ - >,@ 2 AD >,+ ? +@,G +B@ @@D
OM<O @ 3 ? 0 0 ' 8% ?D@A(;<K 0@ > @2 E@ A.
@? A @C-> 2 D@ @CC@D + B@A : @A+C@D +B@ @A+ >, @
OQNQ & ' !" , !!0 /@ OLN !@? A @C-> %>J 3 > BY
C--? OQON & . ?& 0 0 , ;<O B@C@ / @C@A @
?-A. +B@ 5,- @C - +B ,@C A2 -C -?@ C@ !@? A Y
@C-> ?-C@ -?J +,G >A +@D2 , U@ +B@ " @ D - ! E @)
OQK= 33 . $ " ' 5 - * 0 OQO 3 - + - +B@ @? A Y
@C-> 2 -C !@@D +C E) Q Q 7 & % ' !& $ 0
- 0 ;N< !@? A @C-> D @J ?@A+ J C ,,@, +B +B@
, @ OKKO $ $,. T ?& 0 P;K B@ @? A @C-> ,@
JJ@ C +- E@ S ,, CG +C> +>C@ A +B@ S , - EC + 2
B B JC A. C-? +B@ SE - +B@ -A@
; 2 7 *(K 70 D7)-+ K *6- =-1 (4
?4E < U 3-(0 K 70 L07<ED K =-1-

OKLO $; !&D) >T ' $ 0 KNK B@ @ , ?@A+ C@
+B@ @? A @C-> @ @, -C D> + Q01 - C ' $ ' , "
LL A +B@ ? ,@ @ B @ +B@ E>AD,@ - @? A @C-> +>E>,@
@A ,- @D A EC-> J >,@
!@? A - ,=-1 0? J/ 0?
2 Q 9 + : ! %07<ED K =-1 - 70 =--<

)OM<K &> 6&! 8@D P(2 - ' % (JC-D> A. @@D -C .@A@C Y
+ -A 4QNM] 8@D 9@C @G(2 - ' % ,.(+B + ?)@ -C
EC@@D !@@D S+3 " 0 &,(5((' ' % ,(@?@A JC-Y
D> A. ;<NN 0 / # <!& (?& 0 - 0(' ' % ,(
-C? A. -C JC-D> A. @@D
Q - 44 44 @ @+ 1 0 A 0 701 -< (=
L0-D Q (! (= L0-D

OM=M ' # C) 0 * 0 L;Q 7 @ C@ ? D@
+- E@,@@ @ +B + +B@ ->C+@@A+B G@ C@ ? ,@ C@ @? A ,,
AD J>E@ @A+2 ;KPK A . B <!& & (
!@? A + -> ^
2 9 +3 ! %07<ED* 7 7? =--<

$ $%> ' . C - 0 0 $ ' 0 . 8;MQQ(=P B@ 5 >,Y
+ @ -C #J@C + -A - +B - $ $1 ! C@ +B@ @
++C + -A - , ? @A + K !@? ? + -A AD JC-J . + -A
C-? +B@ @@D -C @? A ,J C+ 0<NN 0 / # <!& (
?& - (- - % $ &' (JC-J . + -A C-? @@D
!@? A -C? ,=0 ?@M / 6
0 701 -< (= 2 3 U =-- : 2 ! () K *6-
?70 1 7? =--<= (1- K)-
3+ V0-W *7 *6- =*(1- = -- &

4MQK < # ' $ C 0 2 e ;L 8OKKO(LQ B@ ++ C@2 : AD
+- - + - U AD 2 !@? A -C?@2 AD 5,-C D2 E D
+ ;MQ B + -C+ - ++ C@2 B B ? G E@ ,,@D !@? A -C?2
E@ A. > > ,,G2 + @C@2 , ++,@ B@ - @@D , U@ & C+ ,@ 2
+ AD A. -A - ? AG &@D D,, 2 +B@ C D-+B >J-A +B@
AD - +B@ !+C 2
E 70+2= -L*6-* ?70 *6- 0-L07<ED*)- 37< -= 7?
E K %74+L 7 ?-0)((< 7*6-0)-K-*(34- 70
(1 (4 70K(=1= W6 < 6()- 7=L-D (4 I-<K@-0(
*)- 70K(=

OKPK A 3 5*& (5(2 - ' %& - (
- 1 =* ,=->1 =*/ 6 0(H
N &*6 D / ? 2 H =-- G , --
T@ * :&! /

;KPQ 6> -3 (50(- ' (A ? , >,U+ S)
1 0(- ' A ? , >, + B@ +@C ? 2 , -2 > @D -C
-A@ B- E@, @D +B + +B@ A@ E@ A. -C?) EG A DY
? S+>C@ - +B@ @@D - +B@ ? ,@ +B +B@ >JJ- ++ -> @@D
- +B@ @? ,@
- 1 44 44** ,=- 1 % 4@1 / % =- 1 (
Z + L 7D0-(* 7 (4=7 0(D- =*7DJ 30--<
? C F =-- 2 ! 6- ?0=* L0 D L4-
,7? (+*6 K/ K-01 -*D C 2 T

$;MQM ' . C - (($ ' 0 8OMQQ(#h; B@ C +
!@? A >? - $!) , $0 OQON +C & T & - &!& $ PO
B@C@ A ,>S &% +B@ -A+ . -> !@? A >? 10 (PP
" @A @ + -?@ +C-A.,G +- E@ -A*@ +>C@D2 B- +B@ J@ +Y
,@A+ , !@? A >? -?@ +- E@ B D - @ C@+,G A +B@ &-C- Y
+ @ - +B@ C $>AJ = .) ' &,(- $!! C&5
@D O(;P 0>+ A @ @ +2 +- ,@ A @ +>C@ C-? +B@ , +@A+
& - -C - ') - AD +- @ >C@ . A + +B + J-J>, C
%-A+ . -A ;QPL $ - 1 " , !>JJ, 2 - ') - (
+@C ? EG +B@ C +@C -A - , +- @SJC@ -C+ - C +
JC A J,@ C-? B B +B@ @ @C , .>C) +-A@ C@ >JY
J- @D +- B @ +B@ C -C . A B@ - - , ? G
E@ @ ,G > + A@D A +B@ C C2 +B- @ - J, A+ AD
A ? , OKOO < <&&) " 0 8@D L(=OM +
D >,+ A-+ ?J) E,@2 +- ->A+2 -C +B@ I> U@A A. -
+B@ ,>CU A. @? A >? - +B@ J- -A + +B + ?@ C +B@C
+B A + AG -+B@C YA / = 5*& 0 50(- ') - (
JJ, @D 8A-A> J (+- +B@ @@D -C JC@D J- A. > @ -
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! - ? A -C-> ,=-1 .)707=/ 4=7 !
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2 Q I ." + <-)7E0 K/Q 7E= G (*[
K 70 ?--< K 7 =--<=

SMKK M - &) " A L;N S !@?@A -C-> 0 CD 2 > B
@@D >J-A !@@D 2 +B@ AA@+2 : UA -2 AD 5 A B@
OKS< - 0 8;KOL(: P< B@ B-,@ C @ -
.C ? A -C-> AD @? A -C-> AD) + -C-> A ? ,
!@) ? >- +> ? ,2 2 7 2 3 G
%-0*(K *7 70 (DD7 1 L4 =6-< 6(4? (K6*

OP<=2 OMK= ^ @@ * LV A " 0
<& !0 + 4 L=O B@ @? A- +>CA , C B - +B@ @A -A
- +B@ , J+ U) OMQ< A $ 0 , N 0 G +B@ B@,J
+B@C@- ^+B@ 3 @C D Aa2 ->AD +B@ !@? A- +>CA , C B
- AG !+ C OKS< :) 0 $!0 =< !>E+C + +B@
) ? A- +>CA , C - +B@ + C C-? + -E, I>@ @A -A2
- 1 .<- 7 2 ! (4? (J-<

;KPM !>1 " & - 0 $ -) " & ' $ @? A>D@ +-C
, + A C J D E . K! - 4 B) 4 & !B@ B D
,- +@D AD E--E@D AD >? AD J, B@D @? A>D@ VKKM
<) 5) 10 < $!! ? 0) 0 A - @? A>D@ .>C@
- A+ E-,D A. A @A .A

&

3 ' 6 ' ,=--' TE7*' :&#"/

[illegible]

- D-' !@ S> ? D +G2' *6-' D7 <*7 ' 7? 3- K'
6(4? (J-<U % %^ (' =-1 E<-' ? KE0-

[illegible]

-EEEE4-' ,=->1 $4/' 0?' 17< '
+ '< 1 E*)-'7? ' ' '/=--' 2 '
(<' S G ' 0-ML07<ED*)-' D70LE=D4-' 7? D0+L*7'
K(13 =L4(*=U (4=7 (' =1 (44 =--<' (' =L70-' - D-'

[illegible]

-A ' 4 E)(>0 (G4*' # ' 4=7 =-1 ' 0?
2 B ' 1 A' '?E D*7 ' 7?*6-' D7-?? D - *=
7? (' 3 (0+' TE(*D' W6 D6' 0-1(' = E D6(K-<'
-RD-L* ?70 (' D7 =*(* ?(D*70' W6- ' (FQ' ' = =E3=* [
E-<' ?70' K' 3E* 7*W6- '@'Q' ' = =E3=* *E*-<' ?70'

[illegible]

@X >:::: :@:' ' ' ' '!'=-1 - ' 0 00-K
?' ' L C,=--' 2 +!' @ 2 3 2

S1 7D7(>= N1 (4' ' ' ' 7 2 ' !' D[
DE00 K'7 D-' ' (' W6 4-' - D-' -F1 >7DD(>=Z7 C'
(44+' "

[illegible]

-. 1 7??. (4' (' 7 8 ' G' %(0*4+' 7? D (4U
<-L- < K' *7 =71-' -R*- *' EL7 ' 7?? D (4' (E*670 *+'
70' 7W4-<K-

[illegible]

7' -F1 f7?? >D (44!' $ ' (' =-1 7?? D (4
1(-0

[illegible]

-1 7K0(L4 +' -1 747K+' -*D F=-- 7 '
-^ 1 7L(>D ,@' ;U' D?' -R*G' 6-'
D7 <*7 ' 70' TE(4*+' 7? 3- K=-1 7L(TE-

[illegible]

-1 .L(4' 0*0(=4' V' $!1&*$!' ,H-0 -0'
:!&&/G ?-0 70)(0 -*+' 7? 7L(4' 6(0<-0' (<'
170-' 7L(TE-' *6(' D7117 ' 7L(4

[illegible]

-> L(.T*E-*!' 7 2 !' %(0*4+' 7L(TE-U'
7 4+' L(0* (+' *0(=L(0- *

[illegible]

-** >!(4' $0' 6-4+ @N@' 3 ' 7 2 ' ' (G'
' ?*6-' ?701' 7* 6(4? (' 7)(4' DE*' 47 K*E<' (44+'
=-1 -44 L*D(4

[illegible]

7' -F14 7>)(47 <' $0

[illegible]

-1 2)(*-*' ' 3 ' 3 ' 7 2 ' (G' ?
*6-' =6(L-' 7?6(4?(' -KK' <) <-<' 4- K*6W(+=' 7)(*-'
7 ' 7 -' = <-' 7 4+

[illegible]

7' *' -F1 7)(S*-<'

[illegible]

-E L(.4 (*- N9' N 4 0 ((+< G' %(0*4+'
L(41(*-E(4? W-33-<

[illegible]

7' @ L(.41(*-<' U' 6- D-' -@14 L(4 ((2'
*7 ' *6-' <3 <*7 ' 7?3- K'=-1 L(41(*-

[illegible]

-21 L(0(.374(' $ (7 8 ' 3G
(4? 7? (' L(0(374(

[illegible]

' 70< (*-' (0-' *7' -(N@ 7*6-0' (= *6-' -R* 47W-0'
L7W-0=' 7? *=' (3=D ==(=' >, E** ' # ' D

[illegible]

!@f - J C E-T, 2' ' ^, ' @A@ 2' ' "
% 7 'Q' : U' (' *' 2 ' O L ' (G
: ' , --' TE7*/

[illegible]

-21 L(0(3 .4 D(4' ' 2 (' _
:K !D' S' $ 2' <

[illegible]

-S L-<' L-<-' 6 ' 0(<' ' 7
C, ' ' "Q ' ?77* G' 2' 6(4? ?77*

[illegible]

-1 -4(.K (' ' 1)%' ' 51%' 22:' C!'
' J ' *,WK' ' 1)%' , K! !6D
- - *(K' *7 *6-' =-1 %-4(K (7=' 70'
=-1 %-4(K (=1

[illegible]

(<6-0- * 7? =-1 %-4(K (=1

[illegible]

-1 %-4(.K (=1 ' 0?' L0-D' B 2 !'
<7D*0 -' *- (-((*-' 3-*W-- ' KE=* (=1' (<'
-4(K (=1 ' *(EK6* 3+' (== (' 7? (0=- 44-='
*6-' *3' D- *E0+

[illegible]

-E L->0?-D*' ' 7 2 ' 4U' ' '
%+ ' 1L-0?-D*' D71L4-*-

[illegible]

-1 TE()-0',=->1 JW@)(/@ ' #+ ' 7 2 '
' (G' ' 7*-' 6(4? *6-' 4- K*6 7? (' TE()-0' *6-' =R.'
*-- *6' L(0* 7?(' =-1 30-)- , 4=7'

[illegible]

E ' $!!) !"0' ' @CG' B-C+' J @' -' +?@' '
1 %' $' ' ' - D)$ (*- >, C' ?J, + -A' -'

[illegible]

- D-' !@? I> @C' 0' ' &' , 32 0(+-' DC @' 2'"

[illegible]

!@? C@ +2' 10 A., X@D' -C?') ' @?, '

[illegible]

XA C@ +2' $0' ^ D' ?-D ' - ,) M @@'
AD' -' $0!' " , ' ' C .B+ A.,@

[illegible]

!-? C@ @C ' 700EL*(K4 D I-<' ?701' 7?,"')'

[illegible]

0 -1 0?-' A' -C?' ' -" " (' 3 % (@CC-C' -C'

[illegible]

!@6 ! @ ' $T AD' 10 Y "' !' AV

[illegible]

!@6 ! ' @" G' $0 AD' 10 7 2 ' ' Q' 8) ' ?-D'
8<' ' $5*' ,) ' %!, . ' ;MK<(2a') ' , B0 A+@CY

[illegible]

K@? !N16 D2' Y "' Q' a' " , -, D2' @S'

[illegible]

!@? !# A? -A!2' $0 $ 0 ^ ' - &' -3 (
3) (' =0 !- 3' "' , &-') ' ,@@J a' " , ,@@J

[illegible]

!@? J0@C@' c &2 $ 0 ^ ! 3 ,' i' !5" 0 '
% ' , +@' ' - * $(3) - 0]' ' B@? JB@C@

[illegible]

"@> @' K@? Ja S<V' *J, @ C ,' $ % (
SMMS 10((' 3 !' 2 !' ' # ' !' mA+C-D' @!E2' !@?

[illegible]

[illegible]

[illegible]

- 1)7W0*,=->1)(** -4/'0?

[illegible]

-1 L *-0E I-

[illegible]

-1 L *-0 - 1 L =*0-== -*D

[illegible]

-1 L 4-E D -C?7

-1 L *7(73= 7 E % A *0 (+347W KE

!@AJ +@? @=->1L *a1/ $($, T 701=F

!=-R L *-0 - Q=- DKL+*-1- =-1L *-0

[illegible]

#8 6* ?7E D- *6- *W- *+ ?7E0*6 L(0*.

7? (4=7 (K4 D I-< ? -1 D- ,0(0(g `/
- D- -1 2 D (4 Z(< 4 + %

$%/% . B <!& & (- ' ' , $!0(- -C E@+-A.)C+.)+- E ,
A ->A @ OMPK J $ - ' ' , $! E@,-A. A. @
?>A @2) B , A ->A @ OKKQ (( ) - - & - - =L
OC-AX@ - A - 6A , AD !@?>A , @ .B+2 M %O;Q K<

+!@?G2 (4=7 -@?G 0 ? -E >C@
-C . A J- E,G A A @C@A @ C-? -?@ -?J->AD
- "!V 8!@@I>-+("@A @ +

S=) C &- *(C$ 0 MM ; %@?G2 -C -+@,,@ 2) ! (
%@?@,G2 -C !-+@,G2)1 ! (%1 =PO O !@ ? G)1 ! (
!@?G,G)1 ! (

-1+ -1+-< 73= I ! %)
-1+ (D0- +4+*E<- -E !
. B) -1+4< L(* 7? TR
* -. E+= 0 LL ^ V %2
,: *6 D (4=7 (J < 7?=7?* 4-(*J-0 G 6-
<=* D*) - -L *6-* 7?=71- J < 7? 4-(*6-0
A &2%% 4 $ (% 8;<NO(OP) , * U AA
- E, U @ AG ,@DD> +- E@ A #->E, + +- +B@ 9 A.2
!@A ,=- / 4=7*=- ? =- 0 (L(-=- G
(L(-=- D7LL-0 70 307 I- D7 ,=-- TE7* :&"!/
6 -?4+ % % (= , +

;KN & 39!$ #" & (< & ($*$' " SMM B@ !@A+2
- -JJ@C -C C-A2 C@ +C>A. , U@ +B@ %B A@ @ J @ @ -
? , C ,>@` OKL< C& ' " ",!(4 LOM); -C
$ (C@ ? ,, J @ @ - C-A2 -JJ@C2 -C EC 2 B A.
I> C@ E-,@ A +B@ ? DD,@2 +BC->.B B B2 A %B A 2 +B@G
C@ +C>A. -A C@ -C +BC@ D OKQP 6 1 $ & >
C&,. 2 0 S 8@D O(L;M2 ;N 9 A X !@Af *D ;K<P %
' ..) " 6$*$' QP - E@ A., B J@,,
.@A@C- +G A : J A@ @ @G@ A +B@ ? ++@C - @A -C B@C - A
"++,@ J- U@+ OK<Q !") OQ !@J+ P B@ ,@A
A-? A ,,G @.> D +- B ,) AAG2 +B->.B A + 7 4+ -C+B
B , +B + - A

- ,=- /+ % " , , (< % . 7W
6 -?4+ % (< 4=7 =- - =-

^%-A+C +@D - A - ; U _ !
! ! (< !V
" 6- (?*-0W(0<=0 (4=7 (K7

%;=MN &2 ' E " " 0 SS OP< !B@ @ BGD BG? +B B C
+@C) @G++2 AD @A DCG@D BG? +B B C B C@ OKMQ : 5
: 1T ? &) > & ' L 8) ,- (B +' -AAG
, A. + ?@ @A A-
, , 071 (?*-0U =E3=-TE- **7

,AJJ+ B &'($, 8$?, (O= !@A (V@ +G?@ -
C -@ , ==NN = B) 3 8$-SE (S Q= * UGA. J D
G @C@2 @A CP +G?@ ;=PM < ' 3 $2 -
8! !( ) !@A +B@ J ->A - %C +2 +B@ B ,GU CU
A@ @C) + A J@ , 5 & & - ! " 0 SS Q;= + 6(=E@A@
+-,D2 @A ? AG D G2 G A.G - BG? >,, C@ L -B.
7)) 1 E@C@ A@>@C .C@ +@C +-C@ A +B@ B>AD
%BC +2 @A %BC + B + ?@ ;P<L 0 ! H + - & C, ?@A+2
J + @A +B@ %-C-A + - A - +B@ 9 A. 3 @ +@
% 071 70 = D- *6- * 1- *6(*
OLLK $ B &' 0 8+!S-(OK *V@ +@AD L@C@ - B C@.A@
A@

->+@ - mV@ B AD)O=OO &' & OL; A '9C&!(
C& - ;S= C- @ +) -> ->) + HLP G !E ,)@,D@ C@U@AGA.
@A G EG. A+ OPPO ! " ! &'$, !@A ->,D
CGD@ OP<<Q (, " " - ' O;< ! .C@ + -AD@C
A-+ B@ CD2 @A C + +B@ C,D E@. A ;KO< + 9
0 0< & 0 8@D O(2 + , A. GA@2 @A B@ ,@ + > S) S
: /) - - !$' $!. !@C ;K 8I / / (
B@@C' E@@A D@ , - >J A D-JA @A : @A+ +- JB@>,
; -- K 70 D7 =<-0 K ,@@/ 0 ? NF*8W
W6 D6 1(+ 6()- 3-- L(0*4+ D7 ?E=@ W *6 *6 = G
OL <& *0 ,& 0 PL !@A B@ +- E, AD B) @A ,)@ .B+
E >,D B@ A+- D@D E@ D .E+ $ OL=N (" 9 C $!
SSS K !@A E + B@ +>CAGD G C E AC@ + - E , @

E-.B+ +B@)@C@2 ' JC G +B@ B S+ ,G2 ,> ?@ . A\ $ OPNN
$', !& ;N;< 0-+2 B C+2 @A + G- UA +B B@ B@C@2 2
- +E +G?@ $A/JJ) &' S =< ">-A2
@A +B-> -,D@ + E@ .C@@D +B ?@2 B@A V)
T +C $') T $,.0 S !@A @ B @ >?D@A+, @
-CD A. +- ->C JC@ @A+ J>CJ- @ J-U A B +B@C+-2 $ $>/%
B &!!(,(C& - =K !@A G->C'@ .-++@A ->+ -'
.C J 2 '@ :-BA E> UG
- F =--
- (73= ?701 7? U D
0 - (D 7 (K4 D I-< ?701 7? 1-< %
?70 % K07EE<=-4

OPOM 1$!! D, 8;PON(1 *E2 7 B A C@ @J+@
@SJC@ @+E !@A D-A A +B@ J,+ C@ , A-?BC@ + 2 +-))+@
C@ @ O>+) @A -A E@ CG+@A A +B@ GA.>,MC A-?EC@2
+ A -+B@C B@CE@ a
* -> (K- 2 S=+ (K- Q=- (K+
0(+ 7<F =-- (# +
70 *= 1-<A ?701 % ,:;"; 6+ 2%%
@ E0*--= 7D L #" /G 7 -+ L(< ?70
=+ 7<(4= (*0 3E*- <E- Q *6- 3 =67L 70 (0D6[
<-(D7 ,70 3E0=(0/ (* (=*-0>
%4LKN 7 -65 6 . (8SKK-(O=< AD B AA@ E B-J \
B@C@ - @C -?@A \ @GA@A +- +@2 C@ B,D >C +
) A A@D D +- +@A B ?C E@,G \ @>@ JC- >C @ \ GA .@
G =PM a3 ->, - - JC@ + +- C-EE@ BU J>D@ +-
LG>@ +- E B-J -C @C B@D@U@A@ .-D +@+ .-D E,DD J A-+2
6 @A .@ P JC- >C @ !#Z W . 0 $' " 8!>CY
+@@ (LN 5 ,,@ G@C@,G +- +B@ C B@EG B-J@ - 1-C @ -C
JC-S @; AD @A . @ OMK= $)% ' * (8@D 3 A@G(2
B@C@ .-@ ->+ G@ C,G A &C-S@.@ AD !@A@. @
- (0 ?*(,=? -(/ 2 % 5
0? 2+ =-- -R*Q G C -R*
;KNL &- -3 (0 & ($! ! A) 0 \(8;KOM(LLN

B@ +B --+ - !@A C A OK<W A((# + L= B@ .C@ +
C@@U , ?E , A@ - ->C @ +B@ !@A C A2 -A +A. -
C S , ?E -C +B@ C @I> ,@A+
-E(0 E= ,=? -@.0 5=/ 5 % =- (0
0 + (<M D7 ==* K 7? =R -(D6 ?
(<M L =R -(D6 ? 8=R U E=-< =E3=* 3+ -44 L==
7?)-0=-G , 70- ?E44+ % +
,V0--J 70 (* /)-0=- D7 ==* K 7? =R ?--*
-(D6 7? W6 D6 = -*6-0 ((13E= 70 =71- ?77*
W6 D6 *6- 4(W 7? *6-)-0=- L-01 *= *7 3- =E3=* [
E-<F ((13 D *0 1-*-0

A/&+ . 7 ,&!$) % *E2 ,, +B@ @C , - +B
@A@ E@ '$ (S& S . . A '0 0 4 4 KN
B@ +B --+ - +C . @A C> AA-+ E@ J-AD@@2
@S @J+ A +BC@@ @ ;KL 2^ @@ V $ %0 '
8 &,) (* 0S) -+@ 8;KQL(O;N B@ , A@ C@
,+@CA +@,G ?E @A C $$ B@AD@ G,, E,@
!@ + Ca - U+ +@8 !@A *? JA+O +(^ CA@D
+@C <- '$ - &' (B- C + D@ C E@D + i
" Q V A + @ +C -S D@ - A+ ?-AG2 CG + ,
X A. - -,->C,@ -C .C@G B B +@ - + B@DC-A
OKPO F A - (" - !0 , 0 !@C . OQQ A+0
* >4 (0+" 0(< + (<M ,=--

A@S+(> @D >E + EG @,, J a
: + I + + 6- E13-0= RU (
=-* 70 =-TE- D- 7? =R *6 K=U *6- :!*6 D 7?*-
*6- =R <(+= 7? *6- 0-(* 7

OPQN .. 7 .),! S SS OKN E2 "@+B@C+- B +B E@A@
J-U@A - S@ !@A CG@ 2 - B B +B@ C + !@A CG ^ -
JC-J- +-A a -A+ GA@+E +B@ JC-D> +-A - CC +-A ,, , A@
EG -?J- +-A 1 (SS + OKO E "@C@ E@. AA@+E +B@
!@A C@ EG >E +C +-B OKPL " = &'B , 0 11!(
8;QSL(;W 7 B@C@ -C@ -D B) +B> -?J,@ +@D B -CU
A +B@ -?JC@E)D A. +B@ B-,@ %C@ +-A A !S
+AD@C - +B A)2 B@ @ @D C-? @ @C C@ +A. AG +B A.
?-C@ =MKM <) ! (?& + S LLN B@G ,, EC A.
G-> %-,D AD "@ +2 % ,? AD !+-C?2 A -A@ !@A CG -
/ G OMNL .. A C !0 $' 0 4 K;M : D D@D
+B@ S))J@J-5 A+- ->C !@A C@ - " ->C
; 5 X 8
A/>0 < ' 3 * & 0 8;PKN(M= B --+@
+B@ +? @B@@a I >+@ +BC> + ->+- D--C@ A J>C@ AD
> + !@A? @ OKOK $!" - !0 444 ;OQ ! >-
C@) W C@I>@A+,G @?J,-G@D EG >C J D@ + +B@ @AD -
A , ?E @A CG

- (M0+ ,=9 (0 =- 0/ 0(< + F
=-- 8 ! %-0*(K *7 *6- E13-0 =R
% *6- =D(4- 7? (0 *61-* D(4 7*(* 7
7? W6 D6 *6- 0(< R == R " F<)=7
7 @ L(0=

MMV W # <!& 0 E (V '$ (+B + -A+ A -C
E@,-A. +- +B@ A>?E@C S B$ 0 . ! $ "0+B + B B
-A + - !S ;Q 2 # ! '$ "(E@,-A. A. +- +B@
A>?E@C S -A+ AA.) S ! - & . 8 A , &! & >
6 - !0 44 ;KL B> 2 A +B E A CG ,@ -A,G + - B C Y
+@C C@ A+@D2 A ?@,G + AD - A +B@ !@A CG2 S A
+B@ D@ ? ,2 +@A 1 0 ;KN C A -C? SS+ +- +B@ @A CG
,@ K)). $ 0 " 0 ?& 0 KS B@ %@JB ,-+> -
E, CD @C@2 @ @C C@? CU B@ @S @J+ -A +- +B@ > > ,
B C +@C 2 A +B@ @A) , ?-A - + ,- @C ^@+ a S&&
B " 0 '0)S B@ -A,G -+B@C %, - G?Y
?@+CG J- E,@ A CG + , @A CG-C B@S .-A ,2 -CC@ J-ADY
A. +- C-+ +-A - -A@) S+B - C@ -,>+ -A2 > B +B + -
C@.>, C B@S .-A , JC E->+ + S
-E5 ==-- 73=)(0 < ((=D-* D
!@A +@ ,=-1(*/ 701=F =- (44 # =- (=
! =- (D- (*- , % =7 *(*,*/ & # =- (*-
0(H,17< > (< A$ +
,C *-1/ 4 * D7E D4 7? 74< 1- ? ^ , 71
8 74< ,=-- # (3=74 74< 1(F =--
? %0 , %K *
V :
(==-134+ 70 D7 D4 7? D*I- D6(0K-<
W*6 *6- 6 K6-=*<-4 3* (*)- ? -*7 = *6- K7)[
-0 1- * 7? (=*(*- ((D- * 71-F
4-K =4(*)- (<(<1 =*0(*)- 37<+ D7 ==* K 70 [
K (44+ 7? 0-L0-=- *(*)-= -4-D*-< 3+*3= L(*0 D (=
(< 4(*-0 * 1-= D71L7=-< L(0*4+ 7? (LL7 *-<
1-13-0= (<L(0*4+ 7?*6- (D*E(4 (<?701-0674<-0=
7? D-0*(6 K6 7?? D-= ?=*(*-
,OOF!, 1 OPLKKJ @-C) :V C S@aV@+@+ @ B+ ,E > +@A
6 3 (;=QQ " ,@++C@ -C @ A+- C +@ - .C@+@
& (J C B@*) -J,@2 \ J@ @A 2 !J U@A +D.) DC@ - E
, bLQ! ,0 ($ ' SS S =C!$, $ + :V@B ,@
@A + +Nb $-?@a2 , A I - B 1 0 = - 0 &'0 S
8;KKP(4=< B@ $-? GA@ 2 B ,@ +B C ->A @,, ,6D J@
@A +@ .C@+2 . +@2 +BC->.B E@ G D-?@ - +B + ->AY
@,`2+B@ ,-CD B JJ@- .C@+ J C+G@ - +B@ -C,D OPL; !
<& (8;KKN(: ON B@ !@A +@2 B B GC +@ -CD GA@D
EG $-?>,> 2 OMO=< 7) ,$' ;MM B@ %-A >, E-+B
D%D +BC D@ C@@ B@ !@Ab+@ B->,D @?E,@D E@ OQQP
' C !& 0 $' -(7 U 8;K=;(O=Q % +- > @D +-
C@ D JB ,- -JBG A +B@ @A +@ B-> @) B ,@ +B@ @A +@
@?/>A. OKQ< - X) $ 3X. Q< B@ !@A +@
E-DG -?J- @D - ?@A - AG -CD@C B- B D @ >C@D +B@
> C .@ - +B@ J@-J,@
3 LL4 -< *7 37< -= 6() K 170- 704-=== 1 4(0
?E D* 7 = 7*6-0 =*(*-= 7? *6- (D- * W704< -=L
(= *6- -TE)(4- * 7? V0 !DL7)7?(,4 * S 37<+ 7?
-4<-0= (< 7EA@ , * SD7E D42/
I$A/) ,$ $ 8!-??@C(O; E2 OG +B@ U A. AD
!@A + - @D @?-? /@? .-C E A B@D +B@ ->A
+C @ OMNQ - &' S ;L B +B@A A OG + -
? +B@ C ?- + C@>@C@AD !@A +@ .C@@+ +B@@ ;M) (
CI * & (*&*0<& (S" ;NK B@ !@A +@ - +B@ O@ A@ E@ A.
+B@ JC-J- ?. @?E,G 8 -C +B + - +B@ C@-A +@ ,,@D
- !@A +@2 :>D +-CG(-A +@D B ?DC!

% + X@A B- @A EG -+2 B B J@C -C?@D +B E@ A@
OQLK) &' $ =NK @D @?-A' @A +@ A- JY
JC- B'D OK=O - V 0 < .0 * &-0 ' D(2
,- _2 B @A +@ - PNN ^ + +B@A a D D@D A+- +@A
@ + -A - +G @ B2 +B@ ?@?E@C - B B @C@ ,,@D
JCG+ A@ 8 J 5@ (2 AD @C@ ,, - +B@ ?@ +C E@
D *6- <<4- K-= (< =E3=-TE- *4+ E=-<
(= *6-.7?? D (4 * *4- 7? *6- K7)-0 K 37<+)(0 7E=
?0-- D * -= 7? E07L-

OLQ= # , ?& .(; JC 8;KMK(;< + E +@@ -
@C-A@ B A *$ E- UGA. ?@DG - -?>A@ , >)+@C +@
BGC- +- +C A J-C+@A J-A , E@ -CDC@ - E@ @A + E@ . ,+ -
B C@ , ? @ +@ OP) A ,, 0 0 !@C ?
4<L B@ D G +@C ->C -? A. +B@ !@A +@ ^ + >C@?E@C.a
@A+ .@A+ ,?@A +- B@ > +B@ C JC- -A - B CA@ 2 -CD Y
A A @2 AD -?@ ;KLK) $"G $' 31.0 0< -$'"
=== ; A +B@ @,@ + -A B ?E@C 87 E X ??@C(2 +B@ !@A +@ -
5C AU -C+ A- B-,D + ++A. ;K=; 7 $ $!"
0 !0 L== #A +B@ ? A, AD +B@C@ C@ ->C !>JC@?@
C E>A , 2 ,,@D !@A +@ 2J, @D + >C A2 %E ?E@CG2 @2
AD @A- OKKN " O A ' , " , !0 ? 0 4 =N= ;
-CD A. +- +B@ JC@ @A+ -A + +>+ -A ^- " ?E>C.a 2 +B@
,@. , + @ J- @C A +B@ B AD - +B@ @A +@ ^- ;K ?@?Y
E@C a AD +B@ .@A@C , E-DG - + X@A 2 AD +B@ @S@ >+ @
-?? ++@D +- +B@ @A +@ ,-A@
< 6- K7)-0 K 70 4-K =4(*)- (==-134+
7? ((*7 ?*- (LL4 -< 170- 70 4-== 06-*70 >
D(44+ *7 *6- 0 * =6 L(04 (1- *

/ I B +C ! $' T &- -0 ;PE2 B +B@ JJ- A+
%@A +@ -C ->A @,, +B A +B@ @?J C@ ;PK= /
%0 ' 8;PKQ(;O + +B@ + E,@ - B- @ " -A !@A +
^ JJ - &C G %->A ,a2 ->C >JJ, +-A @C@ C@ D XM)
c1$2 & (' H!H ` 0 ;QLK PKL O@ A. A- A A C BG2
+B->+ ->A @,, A. AD .- @CA A. &- @C2 +B@ C + +B A.
+- E@ ->AD ->+ +B ,, J@@D2 +B->+ B B A- %-??-A
6C@ ,+B A >E +2 ?> + E@ !@A +@ @A@C , %->A , -
!+ +@ OQSK J ' &)*0 $'0 2 AD @A +@ -+@2
- C? @ .B+2 -C J G OQ=O "& ' & 1$ 8;QKQ(
[L<8 D "@C @G(+ D@ , C@ 2 ?G -CD 2 +B + +B@C@ A- A
@AI> CG D@J@AD A. E@ -C@ +B@ !@A +@ OQQW Q Q "
A $-(0 8;KQM(OOQ 7 B@+B@C G-> C@ A +B@ ?@C A
!@A +@ H 0 0 %-A.C@ a -C -A E- CD +B@ OC + B ,@@+2
? ++@C - >A @C+ A+G2 QKQ " 0 2 G - 0 .0 <!&,
PK '& (^ B@ / >U@ - O> UA.B ?a A @,-I>@A+
-C +-C A +B@ OC + B !@A +@ OKN< ;N #
OKMP(OO B@ J) AC@? A ,>@A @ - +B , S ?-C ,+G @S
+)?D C-? +B@ A>C @CG AD +B@ B--, +- +B@ E A@+ AD
@A +@ ;K=K 8 9 ! $'($ ("@ G +B@C@ A-
J, @ A +B@ E C -C +B@ !@A +@ +B + @-C.G ? G A-+ J C@+-
Q- LL4 -< ,L-03 L(==(K-= *0(=4(*-< ?071
(* / *7 *6- 70L70(*7 7? 7 <7

$ OP) (&'(('(# 0 B@ 3 GC@ - -AD-A
AD +B@ !@A +@ JJ C@,@D A -C @A+ .C GA@D !U C,@+ ;P;MK
&'(:: %-A+ A> ,a U@J+ EG +B@
3 ,-C AD @A +@) -AD-A2 3C +B@ JC@ @C> - - +B@
J@ @+ AD -A+ A> AJ@ - .--D -CD@C
? *6- :&*6 (< :"*6 D (<7L*-< (= *6- 7?? D (4
(* -?70 *6- LL(0 (<=1(44-0 30(D6 7? *6- 4-K =[
4(*E0-)(0 7E= D7E *0 -= (= *6- *-< *(*-=
@ < -(D6 7? *6- =-L(0(*- =*(*-= 7? *6- 7 /
0(D- *(4+ -*-?

7 B) - C$' ((LKK "? -- U
,B@ - @CA-C2 EG .C@ + ? *-+) +B@ !@A +@ ^-
3 B> @++ a ,,B @+-) -- @ +B@ @>+@A A+ .- @CA-C
OQK< &' 0 E((C+ ; e L B@ !@A +@ - +B@ 6A +@D
!+ +@ B ,, E@ -?J- @D - + - @A +-C C-? @ B + +@
;Q<M 8 M $ 0 - (8;K<=(PO 5C-? +B@ B ,, -
+B@ $@JC@ @A+ + @ 2: @A+ +- +B + - +B@ !@A +@2 -C 6JJ@C
%E ?E) OSKSQ 8 7 $ 0 2 ' 0 8;KOL(;PN
@ " ?J B C@ B@ ,@. , +>C@ -A + - @A +@ AD
B)S @ - C@JC@ @A+ + @ 22 B- @A AA> , G EG E ,,-+ OKKQ
7 % ; - 0 0 $'0 , ,, +B@ !+ +@ +B@
6JJ@C -C ? ,,@C "->!@ UA- A +B@ !@A +@
K (<

OP=N J ,&!$) 1 *2 !>@C,G +B@ @A +@ - ?G
B) @ @D -> ;QLP J $ C &!0 $ 0 ON< U@ % +- . @
B , ++,@ !@A +@ , F D + ++@A+ @ +- B - A JJ, > @
OKON # " " ' $5(&' &!0 ;; 8%B AD- (;PO !-?@+ ?@
?G E- -?' @A +@ + A ,@A+ +B->.B+ OKO; !
!E &C-,2 QL B@ ! F +@ - +B@ -D ?@+2 B A B
0(J AD + ++? @+
O *6-)-0= *+ 7? (130 <K- (< =71-
7*6-0 0 * =6 E)-0= * -= *6- 7?? D (4 * *4- 7? *6-
K7)-0 K 37<+ ? B
B@ !@A +@ - +B@ 6A @C +G - % ?EC D.@ -CC@ J-AD\+-
+B@ %-A - D-A - #S -CD 6A @C +G2 AD -A + - ,,
/ - +-C 2 3 +@C - C+ 2 2 AD !>C.@CG2 AD O B@,-C
- / +G* B- U@@J +B@ C A ?@ -A +B@ E--U A +B@
A@ @C A., B> ?) D@ 2 />CB ?2 -AD-A2 @CJ--,2 O CY
? A.B ?2@+ 2 +B@ @A +@ ? ,,@C E-DG2 + -?J- +-A
E@ A. D @C@A+ A D @C@A+ >A @C +@ 2 A ! -+, AD2 +B@
+A -C? $) 4 ,$ - ,) + -??-A,G @?J,-G@D
OQLM $ @+ &!!0 !!0 = $ "(' $ QK %-AY
@CA A. +B@ %-,,@.@ !@A +@ OQ=K " & ' &-*(
$-1 0 ;M , C @ A+@AD@D +- E@ JC-J- @D +- +B@ !@A +@2
?> + C + J +B@ $*) 0 OQ<Q $-1 0 E' 0 $!0 O=Q OG
+B@ @A +@ ?@ A+ ,, +B@ D- +-C A= ? +@C - C+ A
+B@ >A @C +G2 B- B @ +B@ C A ?@ -A +B@ E- CD - +B@ C
-,,@.@ ;KN= (" - !0 4 OKM $@.>, + -A @A +@D EG
+B@ !@A +@ - +B@ 6A @C +G- , .- 2 C@ J@ + A. /@.C@@
A 3@D A@ OKO< $ 1 , &!$ (PN B@ !@A +@
^- % ?EC D.@a2 ? SKSK2 D@ C@@D +B@ ->AD + -A - +BC@@
B-, C B J 2
3 =71- 1-0 D(D744-K-= (D7 D4
D71L7=-< 7? 1-13-1 7? *6- ?(DE4*+ (< -4-D*-<
*E<- *= 6() K *6- D7 *074 7? *6- < J L4 - -*D
7? *6- =*E<- *= H & i6 E3%
* =- (*- 6.7 =- 1 0

SM M !>,S-9 $ ' 0 5%& 0('$ (+B@ %->A @,, B-> @2
B@C@ +B@ 3 . +C +@ - + @ @?E,@ +B@? @,>@ ;M L
%#%9 $ 3 (;QNN +C $) > 0< .0 &-0 ' D0
'$) (B@ C E>A@ - +B@ &@-J,@ + C + +--D +
BG %jj j Hjjjjjjjjjjjjjjjjj jj

!@ +@ ,>3 <@ 7 8

67E=-' 70 3E 4< K W6 D6 (' =- (*-' 1 - -*=

6-' 3E 4< K W6 D6 =-0)-=' ?70 *6-'

1--* K= 7? *6-' =- (*-' 7? (' *)-0=*+' -=L' 7?

(130 <K-

3 ' $ 10 - (*- 67E=-' -R(1 (* 7 @ -R[

(1 (* 7 ?70 <-K0--= (130 <K-)-0= *+0 =7

- (*- 67E=-' -R(1 -0 - (*- 67E=-' L073[

4-1 (' 1(*6-1(*D(4 L073 4-1 L07L7=-< (' - (*-

67E=-' -R(1 (*7

+' !@A + , 10 $ (0?' i (!

/? 70 L-0*(K' *7 (' =- (*-

+!@A +- C@ 10 $ H H) 0 '$& 0

1-< ') -(?' '$& 0c] =- (*- 67E=-'

!@A +-C ,=-2E(*7 /' 701 =F =-I (*E0'

@! =- (*7E0' # D-E(*7E0' = (*LE0' #

=- (*7E0-' D- (*7E0-' =-E(*7W0-' , =(E('

*7E0/' =- (*70' 0(' $) ,17<

'$)% %(<' '$&(*' '3 '(' 5 74<' 74<

1(0 ('L(0(44-4 ?701(*7 ' W*6')'

? L %K' '$&(*' '$& 0]

1-13-0 7? (' =- (*-' 1-13-0 7? *6-'

(D- *' 71(=- (*-

3' 1-13-0 7? *6-' =- (*-' 70 K7)-0 K'D7E D4

'7*6-0 =*(*-= 7? (* TE *+

' 1-13-0 7? *6-' =- (*-' 70 K7) - M @'37<+

.D-@ 1-< (-)(4(< 17<-1 D * -= 7?@07L-@'

M ?. ?-4? ' D

1-13-0 7? (K7)-0 K' 37<+ 70

L(04(1- *' ?*- (LL4 -<' ,E 7?? D (44+' (<=71-[

* 1-= 06-*70 D(44+/ *7 (' =-13-0 7? - *6(F 7E=-'

7?*6-' 0 * =6 %(04(1- *'

)(KE-0 =- =-F ' D7E =-4470' =*(*-=1(0

i('(4-(<-0 *(*-' 70 6E0D6' 4=7'

6-' 7?? D (4 * *4-' 7? (' 1-13-0 7? *6-' =- (*-'

70 ELL-0 67E=-' 7? *6-' 4-K =4(*E0-' *6X *-<

(-=' 17<-1' 0(D-' *(4+' -*D

%(L(4 71-F 6-' * *4-' K)-' (* @0 7E='

L-0 7<-' ?07? *6-' ;*6' DY7 W(0<-= *7 *6-' D) -(<

7?*6-' D *+' K7)-0 1- *' (LL7 *-< 3+' *6-' %7L-

6-' 7?? D (4 <-= K (7 ' 7? (' 70< 7? -= 7

* ' 6-')70+' H6(4- KE44' =' B

- - (*70 (4' N=@(* ">0 4/' $(0?' 30

(*I (01 /MG .0' Y

?' 70 L-0*(K ?' @ (*7 >' 70' =- (*70

6(0(D*-0 =* D 7? 70 3-?** K4(=- (*70 D7 = =* 0

7? =- (*70=' (H *6' L0-*- D-'@(' (D @* 71'

70 *7 7*6-0 =*(*-= 7? (* TE *+'

6-'4(-0 71(0-LE3MD

8 3' H *6' -?-0- D-' *7 17<-0(?=KL (*-=

- ?(' 71('L07) D-' E <@0.< -' 1L 0-0

1 =*-?-< EG' *6-' =- (*-' 4% & ' E G) @' -1L-070/

< =*0 D*' & > + ' :&":/

- D-' - (*7>0 (4G3? "' (=- (*70M(4 1(

!@A +# ,'8 @A + C A(2 b'8 AK' +(^

)'8 @@ JS@ (i'" ? ' $&

'$ %

? -C J@C+ A A.'+-' (@A +-C'

[(7W B @ ,G(= JJ, @D'+-'+B@ @A +-C ,'-CD

L(0* =(' 7? *6-' =- (*-

(4=7' 0E4-< 7)-0 3+' (' =- (*-

- (*70 +' Z4 4

(/Q' 7E= G' $$

-E (*70=6 L' ,=-1 (*< L/ 0?'

6-' 7?? D-' 70< K *+' 7? (' =- (*70

* - 70 + H K

6-'=- (*70 (4 70<-0 '37<+

3 (* 9+' ,=-> @* 0/' ,4=7 70 -' -

=--' 01 a' 6-' 4(<-< -=*(*-' K0(*-< *7 (' =- (*-'

E <-0 *6-' D7 =E4(*-' (< *6-' ? 0=* -1L 0-

[illegible]

Q - (*7 I+ (< +
,=-- 7 0 /F =-- $?
G : X (

[illegible]

- (* E0,-$ 73= ?701 = 7? 0

=' &4 'W ?-7? (=- (*70 ,V7<C? />
?-1(4-=- (*70 U (@Z@1(4- 7? =- (*70 (4< K?* *+

[illegible]

* - (* = 0 F.=-- 0 UU 6-
* *4- K)- *7 *6-K7)- K 37<+ D-0*( )-0
= * -= 70- -RL4 D *4+@ =- (*E= (D(<- 1 7E=F
: =-L / X X

[illegible]

9 9 $ %4 77 =E4*(4=7
(K4 D I-<=- (*TK -7= 74* 0 U K- *
c 7? + $c + + (4 2 $
<-D0-- *6- (D - * 71(=- (*- 3 <-[
D0-- 7? *6- S =- (*-2 D-0*(17<-0 = *(*-= -K
0(D-E <C (L74-7 (< (L74-7

[illegible]

- (W 73= ?701 7? 6
- 7-)(0 U L3= ?
- 7-(44 - D-0U =--
=- * , -- (4=7 V V 17<V
, W (V7*6
D(E=(*)- 7?
7 = J L4E K-

[illegible]

- D6- 73=)(0(* 7? (<
- 76 L - D (4F =-- =(L
cO> S ,=- W3 / -RD 701 = F
76+ D4 7 - 76+1767 7+(8 =+ D67 -
,=+ +7 =+ *4 7 / =- -<*LE@ ,=+ *67 -/
F =- 76 7 = 7 = 4 = 7 =- =37
=- D 7 Z(,1D<
L-06 ? 74< 1(,D?
74< (K-/ W *6 0-?-0- D- *7 *6- W6 *- <7W ?*6-
?470-=D- D- b V07E <=-4

[illegible]

- 7* -E -C?-
- D+(4 73= ?701 7? (
9 : % 6- (D* 7 7? =- < KF < =L- =(* 7 ,7?
^ %.

[illegible]

3 % 1-==(K-

[illegible]

7 (DD-4-0(* K 1 LE4=-U 1L-*E=
10

[illegible]

% 1-==- K-0 =- * *7 *6- 30 <- (<)(D-
?*6- 30 <-K0771 ,=-- TE7*= / 9 (4=7 *6- 30 <(4
L 0*+ , -- 6 $ 0

[illegible]

<,=-- </?0@ ; 5 4=7=7- <> 0 -47 K=
*7 9+; & !
: 6- D( ) K 70 <0) K 1LE4=- 7? (=-(70
H()-U 170- ?E44+ 70

[illegible]

; =E<<- L4E K- ,7? (37(*/ * -*D

[illegible]

- < ,*- </ &0 5 (< =- *
,=- */ 701=F E =-(<= =- <
=- < = - <- =- */ =-E<- # A
- <(=- <+ D- <+ % =- =- <
9 : =- <-G8 * =- * =- *
A =- * # =- < *6 +*6 =- <-*6U
!=- <-= @=- <-I =- < =/ Q=- <= A
R]=- <- =-7 <- ,==- <- =- *-/
=- <- =- *- #=- <- !=- < =7 */
@=- *U =- <-* # =- <+< =- <-<
=- <-< 5 =(<-< ,M-/=-7 <,P-/
=- < +=- < =- # =- <,- +=- *
=- <,- =- < # =- *- # =- *
=- *- ,# =-+ *-/ +=- <- 0 71
- *WJ)-03 F X 0=
L(* L(* V
6 H V L(*
V L(* 17< V
L(* , W
(V7*6 -E* !
> ? ! P! :C (34(* (0(* ,7? *6-
K0(<- E=E(4 D(E=(*)-03=/ 7? *6- 077* ! ,C
,c] -E* *7 K7 ?7E < V7*6 ,
W(+ W7E0 -+ ,=-- 1 V- -0(4=- =-F
7 D(E=- *7 K7
7 70<-0 70 < 0-D* *7 K7 70 *7 3- D7)-+-<
.%
? 7 D71 1 = 7 70<-0 70 0-TE-=* ,(
L-0=7 / *7 K7 70 (L4(D- 70 (L-0=7
6 -?4+ *7 < =L(*D6 (=(1-==- K-0707 (-00(<

[illegible]

3 H *6 =L-D ?4-< <-=* (* 7 D7 = <-0-< (=
L4(D- 7? 0-=< D-@ 70 D7 7* K (=L6-0- 70 J
7? -1L47W01- *U - K A@
-*D$,=71-* 6-= W *6 *6- 7* 7 7? <-?0(+ K *6-
-RL- =- 7? - L-0=7 2= -<ED(* 7 /U
70 170- 1-13-0=/ 5 ,=(< 7? (D7 [
=* *E- D+/

[illegible]

7 W<-0 =- -= F 7 7DD(= 7 70 <ED-*7 K7
7 (L4(D- 70 (L(0 DE4(0 < 0-D* 7 U *7 0-D71[
1- < 70 (<) =- *7 K7 *7 (L4(D- 70 (L-0=7 U
c*7 0-?-0 ,(0-(<-0/ *7 =71- (E*670 70 (E*670*+

[illegible]

< 7 <-=D0 3- ,(L-0=7 / (00(*)- (=
K7 K ,*7 (=L-D ? -< L4(D-/

[illegible]

- H *6 D71L4-1- *(0+ =3 ,@7W 7 4+ *07
<ED-< 3+ *00/ < D(* K *6- D(L(D *+ W6 D6 (
L-0=7 = =- *

[illegible]

7= 371 ?70 =71- <) - LE0L7=- 70 (=^(K ?* *7
*6- L(0- *= ?=- =-

[illegible]

K H *67E* *6- 7* 7 7? (<-=* (* 7 70 -00(<U
7 D(E=- 70 70<-0 *7 < -L(0* 7 -U *7 < = 1 =
6 -?4+ W *6 (<)= * - %;
=-- O 0 U: 3

[illegible]

; 7 D71L-4 70 ?70D- *7 K7U *7 <0)- 1L-4
4=7 7? (D0DE1=*(D- 1LE4=- -*D 4=7
W *6 +,

[illegible]

3 7 <0)- ,(L-0=7 / =71-= =*(70 D7 [
< * 7 *7 D(E=- *7 K7 ,=4--L/ U (4=7 W *6 (<
D71L4-1- *

[illegible]

7 D(E=- ,(L-0=7 / *7 3- D(00 -< 70 D7 <ED*-<
7 (<-= (* 7 7 < 0-D* *7 3- D7)-+-<
(L0=7 -0 70 (=4()-U *7 D71 1 * 70 D7 = K ?7[
D (44+ L0=7 *6- K(447W= <-(*6 -*D

[illegible]

C 0 - *! * 3 ,,@C @A+ -A E- CD - +B@ C . +@2 AD >AD@C >C @,, A @ K=K 8 9 ! $'0 $ 5 (: +@,, G->+B@G C@C , ?@A + +- @AD +- +B@ B>,U

3 7 D7 = K ,(<-L(0*-< =L 0 */ ,(L4(D- 70 D7 < * 7 /

,%]RR)! 0 ? ' 8&C- @(&C-, L 5-C V B@ . > > C@ J +2 B + @ , ?@AD@ >C@ AA@ AD B A +-]L -G E@ @A+2 : C 0 (MLO - +-C ?@A+ @A+ E@ -C@ +B C + ?@ SKLS 0 &1 0 2 B@ E-D@ +- B B D@V J C+@D J A+ C@ @A+ +@C +B , @

7)(0 7E= L60(=-= W *6 *6- 1-(K *7 J 44 LE* *7 <-(*6

$;PKM ! ,$ $;; 8! - ? ?@C(O;% E2 @A+ B ? +- @ D@ B@ ;P< &! - $ ' C 0 A - 7 B +2 +BG B AD +- @ U@ +B@A ? A@ B ,, B@,J@ - @AD +B@ ? D- A +- @>@C, + A . A .B+ ;P<< : @+ ! $ 2 3$ 8;MPM(P< " @ ? > + ? U@ G-A. ^*>D.@ a -C A-A@2 -C ,, +B@ -,D -A@ " @C +B@C B@ B +B @A+ B A. XM- 9 $ - 0 $:$ QK B> $ @A+ +- ? G ->A+ 7 +B ,, ? G ? J@C @ + -A -A ? G B@ D E I ($h0 ,- C@ +B@G ->,D +C A.,@ B ? 2 B@ @A+ +BC@@ - +B@ ? +- +B@ / @> ,, ;QS; 7 T +C $) > %0 C&! , ;NN F> A+> 5 E > @A+ B>ADC@D +B-> AD >, A+- +B@ -+B@C -C,D

$ ' $ &1B , (

7 D(E=- ,(*6 K/ *7 3- D7)@-< 70 *0(=[1 **-< 3+ (*-0 1 -< (0+ *7 (7*6-0 L-0=7 70 L4(D-

? & 2) !% 8 C (!@AD@ 7 G, A.> ? - @C @+@C@ BCG * @ ,D@ ? D? $ 00 ' , 0 0 =;M B@- ?@ J C @A @A J->C@ BC@ D@A2 @AD@ E ? , D@CA@, B@ >+ - B C@ - A@ %<RR) & 0 =;MO " + UGC+ , , @ + , B D@C @ AD , E # , C &!0 =OM 5>, C@DG B DD@ B@ B J-+B@ C @ - @AD@ B ? H 0 0 +B@ U ? Aa DC- . . @ IG : J A C 0 (OP2 B , @AD@ G ? -AG +- EG@ G+B - B + @ > ,, B @ ^E # " = 7 0 LN JC A 3@CC ? A % # (8;<NO(; ;2 : @AD@ G->C ,-CD B J @C+ A %C ? J@ + A.@ +- E@ E@ +- @D +B@C@ ? -A.@ G->C 5C@@AD@ E + ! E %0 5 * 0 $ 0 C !& 0 D + 2 B->.B + - ?@ A-+ -C+B E@ -C@2 D @C J C+ @C@ @A+ +- +B@ &C@ A ;MMN2-C MMS G@ :) & 0 ,S 7 U ;KQP LPL : @A+ ? G ,@++@C +- +B@ J- + \GIE + , 9 ! ` # , " " d 0 0 $ P 7 @ @A+ -A O- CD +B@ &@ C, + @, @ O >++ - 7 +@C % Nb ' $ " ' ! @C C$ & ' C ' ,0 2 ! + .@ . - @ @CG B->C EG B B 3 C 7 ? G @AD B +C>AU +B @+G XK M)) - ,) - ;LQ 3 C 0,- ? @,D' @D + -A - +B@ C -) BG,> ,, @CG B-C+,G E@ @A+ +- &C@ ^L 8 ! !$ ' P== ! A @ +B@ UA .B+ % ?@ A-+ +- > 2 - > +- , ? +B@ JC O@ #>C @, @ ,, @AD + +@C % _% $ $)!!) S 4 #C ? - + J@@D ,G @AD ?@ E U +B@ A JU A

3 7 D(E=- ,?77< W -/ *7 3- 6(<-< ,*7 (KE-=*/

GG@ $ - & PO 7 BG2 3 D ?] B A+ @AD G-> E > + (` (9 $ " ' ! @C2 A C$ Q & ' = C ' ,(2 &@CB J 2 3 $-DA@G2 G-> ,, ,@+ ?@ @AD G-> A@ 7 B + A@ D- G-> + U@C 1 0 8 @A@C ,2 G-> @ + A-+B A. ,@+ 3 C $-DA@G @AD G-> - ?@ , ?E

7 =-0)- EL ,?77< (D7E0=- 1-(4/ F 7 4+ W *6 + , (< L(0

MM : F) +C ! $) T &"0 - 1$ 0 M= B@ %->AY +C@G AA-+ JC-D> @ JJ,@ -C -+B@C 5C> + +B + C@ -C+B @AD A. >J +- +B@ E,@ G : < 0 0 0 %% 3 ' O D +B@ ! +@ CD +- @AD A / AA@C XK-M (,) ! ' $ 8@D L(OP + B->,D2 E@ @A+ A B-+ AD B-+ ;KLP (9 $ " ' ! @C C$ & ' # C ' ,0 7 B + J J@C +B +2 A B B +B- @ >+,@+ B @ E@@A @A+ +- + E,@ SKKK T : ! O " ?&& ! > ! 0 2 " @ ->AD +B@ --U *> + C@ + A. +@C @AD A. >J +B@ , +@ D AA@C

< ? (D7E *0+ U 7 -RL70*

;P<M F ! " +C ! > 0 ,& 0 XM + @AD@ +- +B@ +@ >A+C@G@ @C @ ++ $ G@ ;QKP # M$ $. ;;; PKL B- @ ,0)@@AE-> @ J, A+ a > -A , ? 2 +B X-C@ @AD B@ C *@ ? A@

- (<> 4=7 W *6 +,

$: & $! P; A 0 0 & ' 0 : ;ML , @+ E@ +@ U@+ @ E@ D@A U,D@C ^C +- B@ @Aa @ B + - D@ @AD@A %<]R " ' 10 QL -D@, (V A@ X >,@ >C ? * E-DG@ E@ B- +@2 X@AD E A@ B@C+@ A +- B@ -(VC@ -CD,@ ^L^ 9 %& ' A =N< 7 @ C- ? +B@ 7 @ + ,, @AD D@ +C> + -A A+- +B % + @ E- - ?@ G : C 0 0 L^ 7 B@A ,, +B A. +B + EC@ +B2 @AD >J ,@A+ JC @ - +B@ %C@ +-C %M _) +C ' & > $ (MQ B@ UG - @C + +B %,->D 2+B + / # 7 AD +B@A @A+ > - ?@ DC-J - $ A G @ # M$ C & 0 0 OPM " - ?@ U,G @ +@CA +@ ! @A+ > AD +- J C B > + E, + ; ^ $! - 0 B + @ B B B-,D A- , A. B AD @AD A-+2 , U@ -+B@C , U@ 2 +C E>+@ +- +B@ - @ A

7 < =L(*D6 ,(37(* D(00 (K- -*D / 4=7 W *6 +

$ 5 00 0 0 & ' 0 8 >D 3 ! (A S - 2 AD @ GA. G W A J >+ -A @ @AD@ B EC-U@C +- D @C@ \ +-) + + A.@2 (" G@ \ / C BE+ A @AAD@ A U CC+@ B ? ? K $ " @,G a +- $ E 5 : C& - 8@D " ,,(L J @A+ J C@ B JJ@ -A ,U D@ 7 +B @ B AD A@ \ LI T ! & ' ! $ A ;KO B@ 3@C B A+2 +B + -C JC > +@ . A@ / -+B @AD B ! B J +- J @ +B@ ? A@ ;Q=L + , 9 ! \ # , " " & " 0 0 $ < B@ %- ? ? -D-C@ @A+ ->+ &C +@@C ! , - - J E : ! 0 $ " ($ B@C@ ->,D E@ + - E- + @A+ -C +B@ ?

7 < =L(*D6 ,(1 -==(K- 4-**-0 *-4-K0(1 -*D / 3+ 1 -==- K-0 L7=* 70 7*6-0 1 -(= 7? D7 1 1E D([*7 7 & ' ,$,7?) *(* 7 /

, & _ 9 Q < & "> C$ 0 0 SSS O;L @ "@ B @- B @, C@AD.@ C + > ?@2 >@, @ B + C- ? > @AD @ , 0&& " OKP; & ++ / C EB+ A B D@ @AAD B -CD ,, B C@ $ 00 \ % 0 0 =00 A@ B>,@A @AD@A ,@++C@ E>+@A ,@ >@ %<]R _R ! 50 # ' 0 <Q0 1 , " - D AD ? > @ADG- A A @C@ +- , S ADC@ EG ,@++@C2 , %]MR , - 0 & ' (S 2 8;KKP(;=L J + ,, >JJ, -A B B ,E@ ? D@ +- J@ UGA.@ 3 @AD@ +- +B@ ?@ ->A @,` %b(< F , B ' ($! (9GA. +GA@ + ,, A@ @AD ?@ .@ 5-C J@ S ;KSP ! $ 0 KM B@ ? E D-C @A+ A+@,, .@A @ - +B@ ?@ A+- A., AD2 XGXX M " - ! 0 & !!$;L JC 2 @A+

? G @S > @ 2 D-CA@D +B E->+ +B C+G - ? J, ?@A+ 2 AD -+ - + : ->,D ;QQN - $ - & =< B@ @CG @,, UA- +B + B @ A-+ @A+ CD E>+ + @ +B@ B-,@ @ -A ;K=0 7 % ' ,0 0 S e P 8@D L(P;< " @, - . E ,> E@ A. +B> +-C -> 2 @A+ A+@,, Y .@A @ - B > @ +- +B@ @A +@ OKP< $ 2 !! & c $ S 2 : @A+ +@,@.C ? ;<) $ 7 ( ) 1 SG OOP : @A+ B ? , A@2 *> + +- G+B +S : B D > @@D@D A AD A. G->

E - ,(L-0=7 / * *7 *0(=1 * (1 -==(K- ,*7 (L-0=7 /U *7 ?70 1 7* ?+ 7 =* D4(E=- 70 ?

%;ONP OPLN< 0 > B@ @AD@ -CD (V@ E + B@ >,@ +- J @ ,-AD@ ;LQP B ?) , ; ;=P AD GA@ + ,, ! -+ , AD -CD @AD B@ B + +B >,D ? U A@ @ ? E,@2 ;=PN V ' 0 !$ &) ;L AD - -D @A+ -CD@ +- +E@ U A.@ AD +B@ +@@ E +B@ JC- @+@ ,-A 2 E>+ G@ 8@+ a [PQN A 9@ ? J@ & ! " 0 8;KLM(OLP2 JC G G- @AD ?@ -CD@ EG +B E@ C@C B + G- +B AU@ $ / I " ($ P< " @ @A+ ?@ -CD +- + G +B A 1 (2 ;K XM . 0 C !& (8;MKQ(LP O 1 -> @AD ?@ -CD - A @SJ@D + -A G-> C@ JC@J C A.2 X G S 8 6 " ' !(& !!$ / @ 2 7 B@A@ @C G-> ->,D B @ AG ? -A@G2 @AD ?@ -CD +BC@@ @@U E@ -C@ S&& 3 $) !(S 2 - + ,-A. +@C2 -CD @A+ -C CD +B + : ? " U A A+@D A +B@ E A

D H *6 *6- 1 -==(K- -RL0-==-< 3+ (D4(E=- ? 70

a a 1 ((& ' (8 >D 3 ! (A MPM2 / @-AD@ @ UGA A. - +@C J-A@ E E) @ J@+ B@ @>@ +, @ -,D@ +- B ? >? -A ;O<Q $ < . B 8$-,, (;OL< @C, +- J@ U A. - +@ @AD@ J + B@ -,D@ E@C+@ - ? D@, ?@AD@2 , 4=LP & (C&) $! 00NN B@ ! ->D A @A+ +- C -C@A+ +B A2 7 +B B-A.@C +B + +B@ J@-J,@ E@ , A $ I J :) * ($ 0 KK , @ @AD +- B ? +- ?@@+ B@ &C A @ AD ?@ 1 0 ;;; S PK ,+B->.B B@ @AD A-+ +B +B ! -AA@ C@+> ?@ $ OQNN 3 . $ " ;O 5@E2 ;MQO2 7 @ +- -U@ -CD@C +- @AD +- +B@ &, A+ + -A +B + A-A@ - +B@ C B J B->,D D @A+>C@ B- ?@Y CD A.,@

?< - E

%<NN +C ?$ $> 0 ;; S 84K<4(;O= 0 -A@ + > J J @ADM D A@ .C@+ A. A + / OQKKP AD @ +@ -,D@ B@- ? , @AD@A B@- ? .C@+ A.@ ? 5 6 $!0 ' ,0 ,0)1! ' 8;KK<(=K< 0 ,, @) +B@ ?@ +@ @AD) .C@+GA. A ->CM -CD@ : B) > %C +@ ;PLP^ @@< 7) a L% L .

, SS OM - D7 1 L4 1- *(0+ ?70 1E4(- ,7 -2=/ % , " , % -*D Q 4=7 , , -*D

[=G= L / @D 2 1 ->C ? - + B> ? E,@ @C A+ ,, ? % S+-A @AD@ >A+- G-> J@ E@,+B@ : -G@ AD +-C @ >J-A G->C A@ ? G@ ;QL) L) (O= 3 C A F2 4 !G % 0 8;QMQ(LM B@ B-,@ ? ,G - ? G, D @ @AD +B@ C - ? J, ?@C,+ U I = 3 8) A :@ @ ! 2 " ' & ' - * 0 8;K==(;NN 3 G +B@C @CG @,,2 AD @AD B ,- @ +- G-> ;KLL C$ $)(;; S 2 3 G >A+ D@ C@ +- @AD B@C), -A +@ C@. CD +# G-> S K) $ ' 0 $ S 2 ! B@ ? D@ %) -C.@ C +@) AD J@C +@D A @AD A. 3 ? ? ' U AD ,- @ A J- + C J+2 ;KPO] - & ' S 2 B@ ? A D +B +B G->A. ? +C@ B D @A+ B@C D>+G

! ? V7< ?(*- D6(D- -*D F S 7 K0(* (= ?07 1 (< =*(* L4(D- 2 , / U *7 D(E=- *7 6(LL- 70 D7 1 - *7 -R =*- D-U *7 70<((= (34-== K 70 (L* 1 =6 1 - *

NKOP * 0 C $! S S L ! JB@C@ ! @ DCGB+@A2 @JD ! @ >6 > ? - B ,) > ? $;SQP & 0 & ' 0 O)P ,,@ @AD@A ,-D % 40NN PPL;2 \ +- J AAU@AA AA CCD, / C BE+ A ,, J ++ B@ @AAD@JJ $;LNN) & (;P<O 5-C J A -C ?@ - >.@ ?@A+ N8 3 +B-.B+ A@> @A. >A @ +- @A+2 4=NN) E 0 ? ' 8 @C @(;MO O> ,, D@D@ @C - ->C@ A @A+@A+2 AD ,, .>D@ D@D@ C- .-D @C @A+2 S) O 2 $ 2 +C & &) A2 QOE2 G .-D D D A-+ -> B @ +- @AD +B@ ? C A@ A D>@ @ -A XM-S : 2 !((A P; - ,->@ A E A@S+ - ? ? -D +G - B GC@2 @AD +B@@

JJ- A+ +B@@ +- E@ U@J+ A CD A +B@ @ +@CA +- @C2 + > -D @AD > C@, @ ;KQQ 7 ! < . & , F> AY +@++@2 O,@ +B@ +B->.B+ >, +@ +B + @AD B ? ! > B @ +- --+B@ B G@ C 2 +@ I ' B &* $ B2 JC A. @A+ -C , AD , D C & 1 $!0 ;P=P &5&* 0 8 CE (;LO " @ ? G@ B >A @ B >@ > @ +- G@ - - B ,@+@E@C2 J-U@A - %- -U@ AD +B + 2 +B + -D @AD@+B . - -D @+B@C 2 E>+ +B@ D@>G,, A->.B+ @ 5,@+ B@C MWK m O $,& (ON -D @AD A@ @C +B@ ?->+B2 E>+ +B@ ?@ + +B + 1 (O; -D @AD ?@ +2 AD +B@ / @ , @AD %--U

3 *6- L60(=- & 3 " 4 U ,(4=7 = 1 L4+ 7 -=L W *6 D4(E=- (= 73M (< ? W *6 73M (< D7 1 L4

%< & ' 8 J@C -A($% (, & &) (@+ f -D .C A+ +B + B@ ? G E@ @2 @+ <& ' 8G->2 > 2 @+ (+B A 2 -C >E*>A + @ f -D .C A+ +B + G->2 @2 @+ ? G D- 8 B + AD +@D EG +B@ E (

, ;=QN ' $!!$, ;=M C@+ -D @A @ B D @> C +B B ? J + 4PLN . 7 QN4 ; -D @AD@ B ? .--D & @D@ ;PPM B) $, $ LLN C + -D @ JC G2 @A C@AD ,D J@C @ >@2 " - E@ +B 8@+ b(;PMK < 6 & ' 0 QQL -D @AD .C @ +B@G B>C+ A-+ XM-+ C !! ;<N -D @AD B ? @,, ;M=< 7 B7 . A 0 - ' ' ' 8% ?D@A(;QM -D @AD B ? @,, C@Y - @C ! 9 . ' ! =P -D U@@J G-> ,,2 @A+,@ ? @A AD @AD G-> ? @@+ +B D G +B A-+B@C E + B # ++@C ;M<N # M ' 0 $ A OK (&(: B @ .C@ + A G : B ,, D- @,, A +B@ %->A+CG $0 0 B : @AD +B-> D- + ;Q=N $))) ,) A 7 " %> ? ? A.)])] +B@ 9

G U

A., AD2 G U ' ' < 0 SSS 2) -D @AD ? G J--C J@-J,@ ?) B @ A- >) +- B +B@ C -,D ? A E U . A ;KLL C$ & ' > $E0 ;;; " @ @A @AD B ? B JJG ->+ @ C -C +B@ > @ - ? G JC G@C ;K=; ? $ - 0) " @ @A -C. @ ? @ ? C-A.2 AD @AD ?@ *> + +B->.B+

+ +

& 7 =- < (1 -==(K- 70 1 -==- K-0 7 =*

<Q; ? ! , . & ' 0 ONP2 \ ^B@a B @ ? C@D@ J @+ B @ C ! E + +- $ - ?@ @AD-A +- ! ? J J A $;SOO (0 & ' (8 >D 3 ! (A S- +2 " @C -A J > ? 4) C@ @AD@ @ GA. \ B + A+- ? B@C@ 5 B 1 0(! > @++@U A. @AD@ @ +@C J@ ? >A@ @ ;O<Q $ < . B 8$-,, (OM; -) U A. - .C@ @ B@ @AD@ $;LNM) & (4NQLQ 7 + J & @A+ >A J AD D-A2 AD E D J ? + D E@ E-A %4LKM B $ ' & % $ ' 0 ;N=Q AD B + ,G B@ @A+@ A@C %> + >A @ , I 7! - 1!" & % <& QL= " @ E D@ B ? A + ,-A. CG +- @AD@ GC ? -C@ - ->C WI$& 0 L & ' ' & % " - & ' ;=< " @ @A+ +BC>.B@ ,, +B@ ,-AD@ AD ? D@ - ? ,, +B@ ? G +@C ? -A ^@+ a2 $;PLL -) & ' S LN< " @ @AD@ \ - ? ? >ADGD BG ? +B + B@ B-,D@ A- ? -C@ G.B+ ? +B ?@ $/0$: < ' (:$;LO ! @AD +- ?@ A +B@ ? -CA A.2 $ $>++ 3 . $ " OP > . ;MMN2 %-,, ! J@A @C @A+ +- ?@ AD A+C@ +@D +B + ->,D + U@ %- ? ? -A ;KLL " --U C$ & ' > $) 0 $ 7 B@A G->C ,-CD B J] A+ ?@ . A2 @AD 1 -> UA- B@C@ , @ G-> D-A' + @AD B A' + - ?@ $ &$ < 0 & $ " $ - 0 S2 :-BA2 @AD +- 3 C " - . . C+G A +B@ BC>EE@CG

3 7447W-< 3+ ? ,70 3+ W *6 (? D7 70< (*-<)-03/ < D(* K *6- LE0L7=-

$ 400! (V $. 0 ;P; " @AD@ @ -C +- +@A B @+ >AD@C B + @C@ ;O<Q $ < . B 8$-,, (QSOP - J@ D>@ B@ @AD@ -A@ +- B@,J@B ? A J + ;=KO & ' . & % $ - 8 CE (P= 3 GA@ ->,@ . -AA@ AD J +@ ->+ - ? G E-DG@ G@C@ ? G G @ UA@ @ B + -C @AD@ +- +@ -C +BG CG +@ $/00 ' 0 (? ML AD ,@+ B ? G +- A., AD2 +B + @ @AD -UA- B + ,, A. $ A - ?@ B@ ,, . >@ 4M<O $ 2 7B $1! 4 KM " 7 @ #A+ >J AD D- A +- ,--U +@C B ? $ $>+0 3 . $ " O< > . B@ / - -C -,U @A+ +- ?@ +- + U@ B C.@ - +B@ E--U@ ;QSN 8 6 " - !0 & !!$;M ! @J+ 2 ! C :-BA " -,, AD B @A+ +- D@ C@ ? G I > A+ A @ $>&) !$ $ ONQ2 : B @ @A+ @ @CG B , B->C +- UA- B- B@ D-@ > ` 9 . . C ' , !! ' " S ;O; " @ A I > C@D B@+B@C +B@C@ A-+ ? -C @, ,@ + 3 C $ A#+ >C@) ! @AD AD @@ 2 D ? E A %J 8 . I $. 0 $ 0 AA O;M " @ @A+ +- A +@ B@C +- >JJ@C +B B ?

" - < ?70] (7 =# < (1 -==- K-0 70 1 -==(K- ?70U *7 =- < ,(L-0=7 / *7 ?-*D6]

;LLK $ X & ' 0 8;K;N(X- " @ @A+ -C ,,@ E@ UGA.@ 2 C- O@C U A+- 9@A+ $J > L 3 ' 8$-,, (,, OLQ " @ B DD@ A->)+ @AD -C ? -C@ B@,J2 , ;=PN ! ' SS PMM B A - ? 3@C, A +- C+B>C2 AD E D BG ? @AD@ -C ,, B+ J- @C A ,, B +@ $/%A = $ " 8% ?D@A(OKO B@C $. C@++ C@G AD ? G ,-CD ? C@ @AD -C@ A%>A 9 $ 0 &) ' ; LK B@ A@S+ D)G + E>C + ->+ ? J@+>-> ,G ; @A+ -C2 AD ->AD +E , > Y A. +B $ +C-A. ? J>, @2 $ A%>& .) 0 0 V : e 40L B@ .> CD @A+ -C DC AU A>&) !$ $ O;L2 @AD EG J--C - @ % C D@ C@2 -C J C+ >, C - +B@ + , EC@ +@ $ &> C ' , OON ! B@ @A+ -C O, A B@ +- > @ B@C @ +- @ ;<NK $ 7 0) 1 SS LQL 7 ->,D G-> A-+ , U@ ?@ +- @AD -C -A@ - G->C JC @ +

3 H *6 (<) TE@ ?+ K S *7 D7 1 -2 70 S 3- 307EK6* 2 E(<-0=*77<

4P<O ' & % $ - > * 0 L E@ -A@ +- -U@ ! A +> CG2 AD E@ A. @A+ -C ->+2 7 ? >C+AC@D A ! ->+B CU2 , ;M=L) ') &1 & 0 8;KO=(L= 3 G ? -+B@C +B->.B+ + +- @AD -C ?@ B- ?@ ;QNL) ! & % ! ") 1 -> ? > + .- G +B->+ @@ A. B ? 2 >A,@ B= @AD -C G-> A ;Q;= ! 5+ - 0 & 0 ;; +M ! @AD -C B ? >J2 + U@ A- S > @ ;QPL 3 . . & - ' (. 8SKX (MN : B ,, A-+ @AD -C G-> E$ U L ' O C$ & $) 0 2 B@ ! I > C@ @A+ -C A- ?@

7 ? (=7) -0- K F 7 D7 1 1 (< *6- (**- <(D- 7 ?U , *7 = 1 1 7 (4-(<-0 70 L07 1 - * 1 - 13-0 7? (L74 * D(4 L(0*+ ?70 *6- LE0L7=- 7? 7??-0 K 6 1 *6- 7?? D- 7? L0 1 - 1 =*-0

;Q== + % ? & " ! ;P= " @ M +B@A EG B 3 *@ +G ' -CD@C @A+ -C +- 7 B +@B ,, Q) 9 . . A :@ @ " " ' & ' - * 0 ;K=L_ LKO 9 A. D@ D@D +- B ? A +@C +B + E@ B D A- >C+B@C - -A -C +B@ C @C @ 2 E>+ B D @A+ -C 3 C & ++ SK-M $ 4 9&+ 0 OOQ E@ 9 A. ->,D D- A- E@++@C +B A +- @AD -C -CD C@A ,,@ (□□ : ? # ! 2 ' - P;O B@ F>@@A -C -CD " C+ A.+- -2 B@+B@A !@A+ -C -CD C A ,,@ E>+ @ @CGY -A@ UA@ A D A @ B- +- - ?@ A+- J- @C + , +

7 D(E=- *7 K7 3+ L6+= D(4 1 -(= 70 3+ < 0-D*)74 * 7

: 7 < =D6(0K- (< < 0-D* ,(1 == 4-/U *7 *607W 70 L07L-4 M L(0* D**4(0 < 0-D* 7 U 7DD(= ?*7 *6 1 =* ,(<(KK-0/ 4=7 =(< 7? (1 == 4- W-(L7

, K . * M C $! S 6 ;P ^S ;=a ! @AD@ +C@,@ B \ +- +@A +@ B @ , ;ONP ! M=KL AD B@ ,@++@ > @ B ? +- A > ! @ U@A@ A D) @ B ? +# @AD@ S M) F ! ' ,&) ON +B U . A@ +B@ C ! B + +B@ A., B @AD M=M Q + ! A O C B % 8;Q==(Q= 7 B B ^ AD .>Aa2 ->,D 2 @AD -C+B ,@ D%A E>,,@+2 +B -C @ +- U ,, ? A + + @A+G @2 J @ ;MMQ : C (0) KLM A B C .B+ + - D C J A. +@A +B-> AD B>AD@C 2 B B B@ @A+ O@ -C@B ? %M _ (" ' KL - @AD / . . @C +- 3 A E@) + A @SJC@ -A -,D@C +B A +B-> C+ $;QNN) ! $ " ! @J+ ;M=M2 " @ ! @AD A. EC @ - E>,,@+ A+- +B@ J--C@ E@ + ;QSQ - ? " + +C > $ - (;;; -S 8 / D?> B@A B@ ' D +-A@2 AD C A. +- +B@ +BC- " @ @A+ + A B C, AD + +B@ -@ ;QK< # M$ C & (0 PQN -A@ @AD B CC- +- +B@ ? CU A @ 2 7 B- @ B AD @@E,@ c_] # $. ;;; KNL AD +B@ B +, A. E ,, ! @A+ +BC->.B +E@ +C ' 6@C +@ ? J,@ ` S +J I ' &!(/ (0 $ " +B@ AA-A C@ - , B@A + @AD + B-+ N bN8 9 ! - & ' . S 2 T , A. +B@ -CD A G->C @2 ? G ,-CD G +B@ -+B@C* T B ,, : @AD +B@ CD +-- " % b (, & - ? & 2 ' 2 5 B ? A @A+ A @ ? J+G J U,@ * C B XX A. +@C +B@ ? % 0 $ % b] ") , 0 ' 0 (S 8;KQK(L<O B@ / >U@ - 7 @,, A.+-A > @ -CD +B +C A.@ C> . , +G2 AD @AD +B@ ? +C .B+ +- +B@ C - $ .0

-' D@,7 @C 8 ' E,- (2 '5-C?@C,G -A +
$ (, -' & ' ' &- '8 @@ ' '$ (,-E(
$'SM M =)). ' $ & 'A' ' 1 ' '2 " - ' ? ' @C D
A +BE ' :- @C ' @S + -A+-'+B@ 9 A.2 "@ @ 3, + B-?@
A+-' ?G E,->D +B 6 .@ ' SM K - . &!
' M " DC A @A+ B \ A @C ->C @C> A+ 'E-S -A+B@ @ C@2
-C ,U A.'E>+E@+ @@A@+ -'!@A +-C ' KMX " 2 %
C),.'&''C $) ' A '$ .B+'+-'B 'D@S+@C-J+ ' B@%B ?J -A
@A+ 'E,- ' ;K<= : 1. 7 " - ! '?.(P< 9 @A+B-?@
B , VD-X@A >,BJ- @C ?) A.',)-
- ' 7 DC @ 8 'E ,,(
' % $!V ' '<$0(ON OL - 2 - '+, @ 0 + ? A '!@AD '
+B@ 0 ,,' # @C ,, ' ;KKQ ! 'P - 'Q;= ;' C@A @ +B@A2
EG ' @,, *>D.@D U U2 @A+ +B@ E ,,'E@+ @@A +B@^. - ,_ J-)
:: ' 7 -1 *' K)-' ?70*6 (= (=7E0D-' (' 7
K)-' 7?? 70 7E* ,4 K6*' 6-(*' 7<7E0' -*D /U *7 < =[
D6(0K-' L7E0 7E* ,4 TE </' 6 -?4+ W *6 (<)= '
' &B%"' + !

<Q '?!,.!0 & 'T O=P >',)-AA@2 A6) @AD) @,
@+@C EACB B AA@ ?>J ' $ - C ' $ 0C% % $B
@+ 'PM '(V ' @AD@ ->+E,-D@ C @,D CG*+ >6G @?@C-GD@X
;PL ' 3) . '"$ (';;' 0-+B ' ->A+)A@ @AD@ -C+B
+ -A@ J, @ @+@ +@C AD EG++@C , - ' ?"') ' '
< ! '?0 8! ! (;=P "@ ' +B@ 3-CA A.' !+ C2 " B E@? '
@AD B@ B@ '->+ C ' O/>& ' ' 7 C '<$ 'T + '8@D ') ';;P
0 G +B@ +C A.' -A +B ') 2 +B@ C#-+@ @AD@+B > B E ++@C
A@ @ ' +B@A C@? GA@+B A +B@ ?@ ' ;PK= 0 $ %A &T
&) HHT H ;'D@? >AD@D +B@ C@ -A BG) +C@ ?@
' A@>@C @A+ J-C+B ? G ? +@ DC J->C2 D++ . '? T
[T 4 / @ D , @ ' > @ +B@ #GA+?@A+ '+-' @AD --C+B ' + AU A.
>->C ' ;MS= < 7 '),$ '' ' O=;' AD +B +B@ @CG
EC@ +B B@ @AD ' B@ B@ ,+BG C@ + A+ ' AD - @AD 2 D+@
: ' 3 ' +C ' ! $) › &"0 -1$ T ON= 3 AG !JC A. '
@AD -C+B +B@ C 7 +@C +B > B -,@A @2 + ^@+ a2
= . 'C(0 ';=;' B +, .B+ !@A+ C-?'B@C +BC->.B +B-
D@ +C A J >-> ' >C@ ' XK @ .. ' ' T C ' 'X ' AD
+B@ C EC@ +B ' ? S@D +B C@ B -D->C2 @A+ 5C-?2+B@ +>C 2
, U@ +B@ - @ AD +B@ A +C>?@A+' $ &+ ' ' ' !
&- 2 !! ::'OL< !@ @C ,'J J@ ' - '+C A D D-' @C@ @AD A.
-C+B +B@ C J- @C >,' >?@ ' SWM ' 8 ' ! ' $! 'SS
8;<N;(' B +@ C? B-> @] @AD A.' C-?' '+ ,,' B ?A@G
' +B A ? +G C@@U >J +-' +B@ UG
3 ' 7 K)-' ' 70 ' ,=7E </U *7 E**-0 ,(D0+'
K07(' -*D /' ?' :
,': ')' &!!T & -(OS;' 3 > !' @A+>+) ' +@ A@
> 3J *E 'O+ C 0 S 6 a' LL ' "@ $[' @AD@ ->+ E ' #G @2
G@@ AD +B + ' ? .B+,@ -G @ ' $'[PKM) ' ,$ $? '
8!-??@C(OQ=#C > B 'A- @ + 2 'B .B@ +D>?D@C 'W@bD@
O%A$ 8 ' $ 0 -1$ '@+ 'OLL $ +B@C +B@A -C B@C
D@ B@D -A@ +@ C@2 -C @AD #A@ .C-A@ ' XMC@ ' .
' -& "';; ;L= ;' A " C+2 B@A B@ @AD@+B -C+B B '%CG2
D'+-'0@,,- ' BO ` ' 1 'E " 0 S '=M< " @ @AD! 'DC@ D >,
.C- A2 81I ' $.' ' KO;' 7B@A @ CG ' + C !@A+
-C+B ' - @ ' ;KSL ' & $ ';' S 2 0>+ ' + ,,' B@C , J '
C@ > @D +-' @AD] T 5 C@ @,, ` ' "$ &> ' C ' ', ' '
LQL B@ ,- + , ?E + B@C @@+ !@A+ ->+ ' E ++@C E,@ + A.' -C
+ ' D ?' ;KP<] ' < $ ' ' ' ' QOK B@A A D) !@A+
-C+B ' >DD@A B CJ AD E ++@C CG
7 ' 7 *607W 7E* (= (' 30(D6 70 7??=677*'
6 -?4+ W *6 ' + ' !

;QSP ' C !& 0 C ' ,T ! 0 ' O<Q B@ -C+ 2 2
E@AD A.' ' , ++,@ >J CD 2 @AD ' -C+B +B@ %@C ,' AD
S ,, CG ' C+@C @ ' 4QLL & ' + ' C $ -$,&T?& T T S7
!@AD A.' -C+B B@C@ AD +B@C@ @ @C ,' @ @ ' 4QLL '
= ') $ 0 'L B@ @C @ 2 @AD - '+B@ C OC A B@ '
+ ?-C@ >+@ A.,@ 2 +B A +B@ 0,--D @ @, 'D-' $ 4QMQ
] ' . T 8;QK;(L;O B@ ,G?JB + ' @ @,' B B @A+@C '
+ ' >J@C -C C B2 ' - +@A @A+ C-?'+B@ +BGC- D ., AD ' SKS '
2 '?& 0 <$ '' :'<N + @AD '->+ @ @C ,' +@? ' C-?'+B@
C--+ ;KLQ & ' : '?& T 5T L<P B mEC-A B ,' +>E@a
D D A.' AD >ED D A.2 AD @AD A.' - ' @ -AD CG
EC A B@ ' 4KQN .. ' ' -T % ' ;L;' ' ? A>+@
?@ ,' +-? +- . +C ' . A., -A ' 7B B 2 @AD 'A@C @ '+-'+B@
' * ' AD + ' ?> ,@
: ; ' 7 < 0-D* ,(*67EK6*' 477J 'K4(D-P
;=LN OM C 0 C& $ ' Q= ,') @U - '+B@ (VG
U->)+@ '8,V->(?@ @AD@ ' S) ' :) I ' $ T .' > 'LP !@AD
+B-> @@+ ,--U 2 + @ ?@@+@ +B@?' +B @@+@ ,--U@ ' 4QK '
%- &0$! 50 !. .' LQ 3 G C @AD 2 DD +B@G A- ' AD
+B@A @AD ' B -C ' +B->.B+ +@C ?@ ' X)S ' T 0
&1 T 42 3 AG @C@ +B@ ., A @ ' B B +B@ CC A @ ' @A+
?-A.'B@C C@+ A>@ ' $ 0+ . ' ! >$$'6%%$ V ' $ (
@ @C A ' -C.@+ +B@ @SJC@ -A - 'B@C @ E@B B@
@A+ ',--U + +B@ G B+
:& ' 7 D(E=-' ,=7E <' 7 -2=' _)7D-/ *7 ›D(00+'› 70
*0()-4' 6 -?4+' , ! ?' 4'3
O 0J ' , 0 !(' + 'LL BC-) B OC X@A C>?J@+
@AD +B@ EC@ +B - '& C,@ A+-'B 'C> A D) @ ' SDDG :
CT 0 ' P=W 7 B@A %B@C>E ' !-A. 'EG A .B+ C-?' A@ .BY
E->C A.' " ,, ' @C@ ,' 3> ' @AD ' ;Q=< ' &-'
"&' ' ' ' ' B@ I> C@ ' @A+ +@C B ' +@C +B@ ?@B-,, '
B B ++@AD ' +B@ D@J C+ 7@ - ' ' B C@ ' SK= ' 8 ! '
$!. ' ' $.' ;OL AD , @,) ' +B A +B@ , CU !B@ @A+ B@C
- @ +BC- ' ,, ' +B@ B-,+ 0@ -C@ B@C ' S+-' ((! &/ $
2& BP ' B@ CG - ' ' .>,, ' @A+ @ CD2
:# ' 7 <0)-' 3+' LE4=(* 7 ' 1LE4=-' -*D
$ '=_M_' ' '= ' . ')%_ %.'LQK B@, I> D @A+ C-?'+B@
>?E , ,' C+@C @ ' %-' E@ ? S@D +B D @ >+@C -@ E,--D2
C@ @?E,@ +B@ 2, I>-C ' @J C +@D C-?' +B@ E,--D2 X) -'
& ' ",!0 $ 0 : MLK O B@ +@)' -A +B@ C .B+ D@
- '+B@ B@ C+ @AD +B@ E,--D +-' +B@ +?@ ' -C +B@ J>CJ- @ ' - '
C@ J C + -A ' c _< $# ' ! , T'%" $ 'T SS 'e ='84KKSV
LNN ' ?J,@ U@G2 BSD ' +B@ -J@C +-C D@JC@ ' B L B@
B@ '+-' @AD ' >CC@A+ ' % _]' 7 ' 9 ' . 66)' A $ 'T
(/ @ 'QS< U@ +B@ @ B B G-> D ,-A.' ' +C A.'
AD B B -?@ 'E U2 % ' 00 B@C@ ' 'J B G '@SD+ + -A
#C D +>CE A @ B B ' @A+ ,-A.'+ -'D?@C@A+ A@C @
: ' ?('347W 70 =71-*6 K E0+ K *6-' -??-D* 7?
(4@7W ' (4=7 7? *6-' (K- * ' (W-(L-@F 7 D(E=-'
*7 K7 70 ?(44) 74- *4+ ' 4=7 W *6 & - 'T
O AJ ' ' ' ' ") $ '' ' '#\ 0>+ +B@ -A+@ + '
>DD@A,G CC@ +@D EG ' -,- ,' + B D ' + -' -C
+BC@@ - ' +B@ - ?E + A+ ' JC , A.' ?-A.' D @ A@ B>+ '
4K=N ' ?$ 1 ' &5 >. 2 " ' A @ +--U) C .'
-A +B@ A@) 2 AD @A+ B ? '+-' +B@ .C->AD + U@ ' +@?@ ' SK)

] ' $'0 $ ' S 2 3 G ,-CD A@ C,G @A+ :- ' - 'B ',@. ' +B
+B@ ?- + A + A.' ? ,@ ' ;KPP) . ' 0 & $!)(
"@ +C> U E ' A+ .-A + ' C A.'E,- 2 B B @A+B ?
D- A , U@ ' B-+ ' ^ @@ - . ' *' <a ' ;KKQ T =
B 6) K &!0 $2 ' $' ' ' 8@D ' K(K A A
A + A+ + ' @A+ ,G A.'+-'+B@ -+B@C D@ - '+B@ C- D ' 4K<K
$!" ' 2 'O= - 'Q L !B CU@G2 J>+ 'C .B+E AD ? B
-A +B@* 2 @AD A.'%-CE@++ D- A
: ' 7 D(E=-' ,(*6 K/ *7 K7 * ' +,' -*D '
4=7 ! W *' 1 1(*-0 (4 73M-D*' - K ' L0 D-='
7 -2= =L 0 *=

;MPQ 7 '# ' $ - ' '' '' S 'ON @AD@C B@ +@+E
+B@ 0@,,G2 AD @AD +B D- A +B@ @C? ' 4Q<= ' '#
$ - $' *' 'O;L B@ : U E,- U ' > @D -C @AD A.' +-JY
. ,, A+ G CD '>J -C D- A ' S!X)': ' & -T - % - (
4NK C+ C @?@+ 2 @D>+ -A E@ A.'B@ +@D +B >,JB>C@+' - '
??-A 2 @AD 'D- A ' -J -> ' .-,D 8S ,->C@D JC@ J + +@ '
4KLN ' ' & 0 & 0 & % ! (' @A+>J A-+A@C - '+B@ @
+C ,@ 2 B B2 , U@ B--,E-G 'U +@ 2 @C @D +-' B- 'B- '+B@
AD ' @++ A.) ' [K=4 9 ' " ' F ' $ - $ ' › ' $ ' 0 LN
'+B@ +-J. ,, A+ ,' ' +-' E@ E@A+ ,- +2 @AD + >J +-' +B@
+-J? + %C- +C@@ 'EG +B@ ,@ , A@ 2 " ' , ' $3
- $ ' $, 0 PN $@@ @ \ +-J. ,, A+ ? + C-J@2 AD @AD
+B@ ? + -A D@) ' ;K<P F ! ' $.') ' & 0 S 'LLO
7 @ ->,D ? A .@ @CG @,,' -A +B +] +B@ ?-C@ -' '? CC .@
@AD ' 'D- +-C' ' A -?@>J
: !› 7 D(E=-'*7 17)-' 70 0()<7 'D(E=-*7 W70J '
? ' ' '$!&' ' ; C

;KM= I ' 'T %) 'PLO B@ EC@ +B - 'B@ @A $?@
@-B6A> ,,G AD @A+ B@C ,T ' B J* 7 @@+,G EG +B@ .DD@A
,@ ') P 'C$! $ <$0T $ A 'Q O B@ -CD@C ' . @A
+-' @AD +B@ @A. A@ ' >,,' J@@ ' +@CA ' ;K<L 5 ' 5 ' :
< $"' " '& '98 '$&\0 " C-,D2 @@ A .'B 'B-C @ ' + '
JC@++G C J @ A+-'+B@ I> C@
44>' @ ' <71(*D D713 (*7 ' W *6 (<.)-03='
, 70*6-' 73) 7E=D713 (*7 ==-D *6-'= 1L4-'=- =-=
(<*6-' (<)-03= /
?4& '?- < (37E*' $' T 7 < =L(*D6 ,1-='
=- K--= '6-0-'(<*6-0-' (4=7 T 1 T
,'4LLNV ' '&%' $ ';=M "@ @A+@ E->+@ -A A@ 7 ' ' D@
, @ ? +B@ C B+@ - ' @@AD@ ' ;MN= ' (' '=M B@
!@A +@ B +B @A+ E->+ +BC@@ @ @C B F>@!++2 -' @ C B
G->'->+
: " ' @ D EC- D2 0 - T 7 J>E, B2 ? U@
J 7W ' D@,G ' , -2 *7 > @ 8 ' ->AD(*7 E@
B@ CD C AD ,) @ ' $, '& '*& '
SM) ' 7 ' : 'C '< 'TT -') D EC- D -C +-'
J>E, B2 - I' %)! $ (› 4QNM > ' M ' && '' & ! '
T 8;QNK(Q< " @ B ' ' , -> AD JC@++G &BC) ' B B B@
A@ @C @AD ' ?- D ' K + 'V&% !2 T SSS 62 B@ .C@ +
E@,,'- '+B@% +,@ 'E@. A+-') D ' + 'J@ , A.' , ?->C EC- D '
[KM= ' T ' 'QM= " @ @) D ' -' @AD EC- D
' BC + AD+? E,@ -+G
3 ' ' 7 =- <7E* 7* D-= W <-4+
XMX ' . 'U . &'T S 'O @+ ' @AD ?- D A+-'J-C
BC@ ,,C@A @>@CG B@C@
' ; ' !@AD (?4@(=] , ! 7 3-' 1-*' , ?>
&' $ $ ' (-+C ' P;' (' 1 T
4!=4 ' ' O ! ' %(A C& T W; ! + !!!(J ' SSS '
"@ &-,@,' 'A@ +B@C @A+ . A +) ' E@ A.'+B@ 0, B) ' - '
$-?@' ',@. G A +B@CC#@@ @D2 'A-C ?*@-?J?>@D->+)?
; : ' - < (47(K ' ! 7 D(E=-' *7 *0()-4
0(L <4+U % 0 *7 (DD-4-0(*-'*6-'L07K0-== 70 K07W*6 7?>
;KMQ " - !T T ,T &,T !@C '++ ' ' ' PLL ' +B@G B @
E@@A T @A+ , ?. ' +B AD A -CA 8@+ (' +B@G ,,' ? U@>J
+-' A@ C,G A E 2 ? @C ' B@ -- D ?? ' @A+B 'B-C @
,-) , + ' ' .--D C +@
: ; ' ?- < (W(+ ' ! ' 7 < =L(*D6 1-=[
=- K-0 ' 1-==(K- ' 37(* ' -*D P ' 4=7 &!T
4!<Q ' O '((;;' '=NK ' ' E@ A-+ @A+ G
J- +@2 :' ,,' @@ -A . A@2 @C@ ' .-@ ' SM4O !,$ $ ' (B "
' A ? ,,! , ' T ^" + ' 3 ! \ '%-??(' SXK :D? A
-?@ B +@2 -C @ C 3C ' 3 -CD) ->,D @AD) 'E@) # '
@+@ ?@ '+-' ?? ' $ K>>0 ' ` ' ,"0 ' 6 ' 8;QK N ' ;OK
0@ -C@ @ .-+ A@ C @A->.B +-' @AD G ' E) + +-' ->AD
+B@ @A+C A @
3 ' --'TEL*' 1 T ' ? ' ' + '3
;Q;= ' * , $ & ' - ' P<M 'L 6 J-A B B ' ' @A+ G2
-C ?' +B@ 6A @C +) '&BC @ $> + +@D -C@ @C
; @ADE U2 - ' ' & ; 7 > @ 8-A@
B -'B ' -?@ ->+ +-'E +(+-' C@+>CA ' +-' ' J>+ ->+
K -' $!"' ' ;< 3 G2 B@ ,C + E ,, @A+ E D@ 3C '
C@@A @U
@AD' E@,ES@ ' - T0 -' > @ +-' .-' A
(<)(D-' 7W !
S GK & ' (-) (0 BG?2 B B@
'!@A+ E@ -C@ A E ++ G,@ +- @) @ ' ;P<N ^ @@ 6 '$ (Sa
$-0 0 ' ' = :' ?' @A+ E@ -C@ +-' ? U@ '
C@2 AD +B@G C@ ?A A.' +@C +-' C?@ +B@?' ;M=M .
A 0 C B4) '8;Q) ' ' + ! , E>CG ' - @C+--U ?G +C>AU ' '
B?,' @A+ +B +B@C E@ -C@ ' ;Q=N ^ @@ 6 ' ! X, ' ;Q==
'?&"! 'L= -' A) @ ' B ' DDC@ @ ' +-' +B ' , DG2
3 C 5 ' ' @A+2 E@ -C@ >J' +-' -AD-A ' ;KS< .. $.'
8 '$, "' # !-'B@ @A+ E ' , @ ' E@ -C@ -' @ X@ >J-A
+B@ 0 AU AD - @C
; › ?7 <<7W ' (' 7 < =L(*D6 ?071 '*6-' ' K
70 *6-' >70<=' *7 *6-' 71 17 =' ?071 ' *6-' D(L *(4'
(D *+' 7 -2=' 6-(<TE(0*-0=' -*D› *7 *6-' D7E *0+'
4=7 4
b# !' &!! '&%C $! ' 'LNL ;' B + +B A +B@ @ D JC- -A '
AD @S @J+ -A 'E@ @AD@ D->A@ >A+-' > 2+-'+B + @A-@ +B + @
? G . @ ->C@ @A+ ' +B@C+-' ;SPSL ! ' &'('
;PLL(' ' *E O 7 B@C -C@ A ,,'B +@ B@ m$ B CD a @A+
D- A@2 G>GA.' +C G+@ -?? >AD@?@A+ +B + +B@G B>,D
@) @ - '+B@ CG-+ ' 4PKP 'O '+C ' , &!$" ' "T
0 ' 4E2 ^"@a @A+ D- A@ B '+C A@ EG +@C ' AD B ? @, @
@A+ EG , AD ' 4MQ42 ;MQK ^ @@ F M '$ 0 #60 ;KK= Q
' 8 ' & & $ V . ' S ' ;M= ' @ ?@@+ AG J--C

' jjjj ' jj ' P>J '+-'B@,J '+-'A>C @G-
3 ' 7 D71L-4 ,((E <-0K0(<E(*-/ *7 4-()-' *6-

)-0= *+ ,L-01(- *4+ 70 ?70 (=L-D?-< *M1-/'
(= (LE =61- *' G ' B ' ' (
;KPL ^ @@ 8 '$ 5T Oa ' 4K<= - ' ;M 3 G ;N = !-?@
;Q ?@?E@C '- '%BC + %B>C B ''B @ E@@A B@ ,G A@D AD
' @A+ D- A
7 ' & %; ! 7 37W4 ,(3(44 ' ('7)-0/
SKK ' $!"' !0 ;< 3 G2 A@ - @C ' @C@ +B@A @A+ D- A
-C B ,' ' 'D-X@A C>A
; ' - < ?70*6 ' ! 7 L07<ED-' + -4< U
(4=7 ' 7? (D7E *0+' *7 -RL70*U 7? *6-' L0-==' *7
==E-' LE34 =6
SM M ' ' " $ e PMQ B@ 7 +@C , -' D-+B @AD -C+B
&, A+ 2 +B + B >@ A-' $--+ ' ' ' 3 ' ") $ ' ' ' 2 ' A+
'B@C-' A >A -??-A A+2 7 ,) A @ @CG G@ C AD ?-A+B
@AD ' -C+B ' A@ ' -A@2 SK !' ' ? & 'Q ' 'B @ '
%GJC> 2 > B ' +B@ I + B +B @,D-?' @A+ -C+B ' ;K=<
A 3 ' 0 ' ' (' ' =;P B@ JC@ 'A- ' - +@A @AD '
-C+B A ' D G ' .C@ +@C I> A+ +G - 'D > -A2 +B A '
J>E, B@D ^@+ a ' ;KKP ! '= JC '=OM O !U@ A.+-A 7 --D
@A+ -C+B +B@ C + ^ -Sa
; ! ' ' $ $ ' 7 K)-' ,7 -2=' (1-/'
6(<,7 -2= D(0</ *7 (=-0)(* W6- ' 1(J K (D(44
;Q=K) ' !$ $ ' O) ' B@ %-,-A@, @A+ A
B ' A ?@ ' AD ; ' CC+C-D>) ' +BE +A +@D .@A+,@? A ' ;K<Q
9 " B ' "!2 '' ' >2 #A @AD A.' A ?G CD ' '
B- A + -A @ A+-'+B@ +>D -
3 ' 7 D(E=-' ,(*6 K/ ?7 3-' <-4)-0-< (* *=
<-=* (*7 ' *7 *6-' L-0=7 ' - * *4-< *7 0-D-)-' * 70
*7 *6-' (LL7 *-< 0-D-)-0U -=L ' *7 0- <-0 ,('
6- E *' (3 44/
& ' ' ' '&' › 6$, . ' @@ # ' 10 'E ' & ' ' ''
&' › '* ' @@ 1 ' 10 Q D
;QSP ' - ' $-0 ') , ' . '+ ' 8;K=;(: ;M< + %B>C B
+B@C@ C@E 6 ' @A+ A -C +B@ 3 A +@C+-'JC G -C -,U ' ;QQO
- ' $1&1 '8;QQ!(OO ! C $-E@C+ 0>?J@C) 'E>+,@C ' +-'
@AD A +B@ A@ ' OKL= = ' ' CT 5 * ' S 2 3 G +B@C' '
E ,, ' B D E@@A @A+ A2 AD ?->A+@D +-' + @, @ B>ADC@D
J->AD ' ;KKQ ! " $ A $2 ' *0 <) F ' 0 ' / ' P;K +
!' >..@ +@D +B + +-' @AD A)' ' E ,,' ' A-+ +-' D@? AD
J G?@A+ - ' +2 E>+ +B ' ' ' A >,' @ ' 4K<P d0 B '
& 0 %) * T ;Q< A @D +% ,' A-+ @ - ' ' J-@?',GB, B B D
E@@A @A+ A
7 ' & %; ' 7 =- < ,(3(*=1(/ *7 *6-' ?-4<
7 3(
K I I ' ' B7 ' &- '? &2 '';;' 2 C+B>C ' @A+ A2 AD
.-@ ' - '+-'+B@ U@+ ' SK) ' < 66 ' '?$ '= ' ?$!! '
44 ' 0-AA-C ' !@A+ A +B CD U@+ D- A
; & ' ?7(R< ?? ! 7 D(E=-' *7 =*(0* 7 ' (
1 == 7 ' ?071 7 -=-4?U *7 =--' *7 *6-' <-L(0*E0-' 7?
,(L-0=7 ' 70 *6 K ' (1-==(K- ' -*D ' *6(* =' *7 3-'
D7)-+-< =71-W6-0-/
SMMM ,V$1 / ' ' '($ T Q L 3! " ' ->AD@D ?@A B@
C + @AD ' - '+-' 4E- @ ' 3 ' B ' ,!$ ' S
7 B@A B@ B D @A+ - '+B ',@++@C ' ;K<M $ ' ! ' ! ') "
& 6 ' $ $1 ! ' $ *$ '' 2 7 @ @A+ - ' -?@ A + @
C>AA@C '+-' .-' AD AD B ?
$1 &!0 ' N ' $ ' S S2 B@ +C@?E, A.'
-,D , DG @A+ -C B@C D- +-C
; "C - < 7= ' (' ! 7 < =L(*D6 ,(L-0XN1'
70 *6 K/ E (<)(D-' ' (4=7› ! ' ' *7 =- < 7 '
7 -2=' 670=-
$ B& '' 3 . ' $ "' X ' :>A@ L% M " A.' @A+ ?G ? A
@ -A E@ -C@2 ;'C-D@A+ ,) @A+,G >AD@C ? ->C- '+B@ B D@ ' ;K=K
6%9) 1 ' $ '0 *) S6 2 & ++ - ?J A @D +B@?2 B A.'
@A+ -A +B@ C E .. .@ A ' C+ JC@ -> ,G ' ;K<P 3. '
&G. ') ' & ' S ' L=O2 : -CU ' +- A + ' + ?@ ' :
@AD -A A .) + +-' +B@ A@S+ +-' G +B + ' ? ' -? A.
$1 ' SK.= $ ' ! ' B ' $ ' ! "' & 'SSS ,2 0@ > @
! C 1 AE@CCG / D,@2 B-', @ ',-A.' A E@D2 @AD '-A2 3C '
CU J>C '?> + A@@D 'D-'+B@ ?@
7 D(E=-' ,(L-0=7 / *7 K7 7 W(0<
4KQQ !J> ? - ' -T 4 4 'LPQ2 ' U ' 0 +-' B@,J B ?2
AD 02 A B+ ' -AD@C >,' B C +G2 D-@ 'B ?' +B@ .C@ + ->C
- ' @AD A.'B ?' -A +-'%
- < 7E*' ' 7 ==E-' ,? (D71 1(<[
1- * ' (') *(* 7 /U * ' *7 L07D4(1 ' >
' ,57* '' 'V ' ' &!& ' '#9)) ' # +-> A> ' B D
@A+ $->+@ ' -?? >AD@?@A+) + @>@CG ? A AD -? A
B) D@ . -'+-'B 'D +@ ' $ ';=PN . › ' &!OOJ V ' @AD
->+ ' ? AD@?@A+ ' W L>+ " 3 . ' $ "' S 3 G ;MPO :
C-D@+-%-,,'0,->A+ 2 B- ' @A+->+B>@ AD CG ??@D +@,G
: ' ? @< ' 7)-0 ' ' 7 < =L(*D6 (D07== *6-'
=-(' 70 , '4(*-0 E=-/ ?071 ' 7 -' L4(D-' *7 (7*6-0 ,D?'
#1 ' "! / ' 4=7
S) L ' !"'C$* '8% ?D@A(;=M2 'E@ @ B@ G- C@ ? +@C '
@EGJJ +-'C@?@?E@C +-' @AD - @C +B@ J ?J@,@++ ;) =' :)'
& !$ + ' ') ' !@AD !@S+> ' - @C +-' -?@ -CC A@ + -A '
;M=N . ' A O C B % '8;Q==(MP !-?@ - '+B@ ,@ + E D - '
B B ^ @C @ a ' B ,,' @A+>C@ +-' @AD G->' - @C2 $ $>++
3 . ' $ "' N 3 C ' ;MPO2 : ?@D + +@D @AD A.' - @C -C
? G @2 SKKK ' : ' ! ' 9 ' 2 ?&& ! › ' ! 0 S ' " -+B-> @
E,--? ' AD D@, +@ @CA ' AD + ,,' J ,? 2 B B E D E@@A
@A+ - @C EG C+,- D
; ' - < 07E < ' $! 7 D 0DE4(*-
O J0 ')11 › ' $!0 / @ ' & - ,' $! '8;K=;(
' LMM T @ @C ? AD2 ?G E-G 2 ' > @D +- ' G2 T @AD +B@
E-++,@ C->AD '' $ &$ B ' A 2 - $ ' › ' 0 8;K<;('
LQN '& (' C >, C 'E@ A.' @A+ C->AD +-' ,,' +B@ ?@?E@C '
- '%-A - + -A
3 ' - ' ' + ' ' / =--' ' ;' '3
7 ' % ! 7 =- < ,=71-*6 KU (4=7 ' *7
=- < (1-==(K-/ *7 =71-'7 -' '*6-' - K637E0677<
& 0 ' ,,',@ @ +B@E U@+ 'G-> A @AD +C->AD AG+ ?@ '
' ,,' @AD C->AD +-?-CC- '+-' A I> C@ B- '+B@ J + @A+ A
› - < EL ' (' ! ?*6 K= ' ' 7 -1 *'
K)-' 7?? ' =677* 7E* ,=71-*6 K *6(* 0 =-= 70 *0()-4=
ELW(0<=/
4PK= M ' $ ' +C ' &E ' 'QM B@ ->A+C@G '@S @@D A.'
B-,@ AD J C B A.2 E@ A.' ,+-.@+B) A + 4-' @AD@ J AG
J->C ' 19"' = . Q I ' 4 ' QLK B@ " ,, J->C2
AD SB , + -A D> U AD ?- +G !@A+ >J ? A ' S S
!

```
) ) I C , 0 - M 5 P + 5, ? @ +B + @AD >J A-
! ? - U@ ;KSQ ? 0 !$ - O<OK ^ +a & @D , U@
J CU @A+ >J ->+ - E>CA A . - @A ) ;KLQ & ; ? & 0
5 0 ;N= E@ A J, A+@D2 + ,, ? ? ) +@,G E@. A +-
@AD >J +@ ?
3> 7 D(E=- ,( L-0=7 / *7 K7 70 ,( *6 K/ *7 3-
*(J- NEL=*( 0=. ,?07 1 *6- J *D6- - *0( D- 6(44
-*D / U -=L *7 =-0)- EL ,( 1 -(4/ *7 =- < ,7 -.=
(1 - 70 D(0< (= ( ) = *70/
;KLM A 3 ( $ " S 2 B@ ? +@C - +B@ AA
@A+ >J +B@ E ,, EG +B@ +@C ;KK= < $* , O< - PQK L
@C ,D2 @A+ >J B A ?@ +- - CD 7 B +EG
$1 &!( ;KM A O$ / ## , ) # GSSS 2 & - - C - ? Y
, A B @A+ >J +B @@ + ?@ +- G +B@ B ,, E@ J - ,@D
D 7 =- < ,( 3 44/ ?07 1 *6- 71 17 = *7 *6- 70<=
K > < ? - ( M JC 8;KQ=( OKO B + ->,D
A - + E@ ' & 2 A +B@ O ,, 2 + @A+ >J C- ? +B@ %- ? ? -A
< 5+ % % 7 =- < ,( 37+/ *7 *6- 6-(<[
1 (=*-0 ,0*/ ?70 0-W(0< ?70 LE =61 - *
;K=< - 3 ') 8 SSS 2 C@ ? @ ? E@C J - - C ! B@,,@G
+ B - - , E@ A . @A+ >J - C . - - D - C - JG - @C @ ;KPQ
M 7 & - ? &0) ' 2 7 B + @ C@ , +@ " D - ?
T - +@ 2 AD @A+ >J +- +B@ / - + - C 2 A @C@D + 1 0
2 " @ @A+ ?@ >J +- E@ D - . . @D - C + SKKS " $"
% ' C ) 1! , 0 8@D & - @ : LOO ' +- A A
B - A - >C D>@ > > ,, G +- D + A + - A A @C @ 1 0 LOL B@
" @ D 3 +@C @S@C @D +B@ J - @C - @AD A . >J T - C J, G
B B ->A+@D +BC@@ + ?@ T @A+ >J - C . - - D @ C G
+B CD - - A - E@ A . @A+ >J - C . - - D +B@ E - G ->,D , ?
E - - U C- ? +B@ " @ D
- 7 LE* L0 =7
;KP : > / - " 0 0 " 0 A Q 85 C ? @C( B@G'D E, - - A ? @
- C - ? @ - ? G - CU2 AD 'D E@ @A+ >J S ! JG - 0 < $00
LN JC , - # A,G + - JC - A@C 2 ? @A2 - >J @D +B@ JC - A
A O>CA E@ A . T @A+ > J " - C @ E@ + A . 2 AD
AA B ,, - C +B@ +
- < ,=- </ =. > Y + %( * =- < - < 4=7
! " =D- < ,& =( </ 0 -47 K= *7 ' 7
L7== 34+ ( 1 -0- (LL4 D(* 7 7? ' 7 ?*-
W0 **- (= ? (L6-* D ?70 % 70 %
, - - TE7* ( : /
$ L%K/ & - ' ,!$ & $ $! 8 " C, 3 ! OLN;( 2 7 B@A
B JJ ,, 8 B@+B@C >AD@C ! ,@ - C + A B - C( +B B@C B@ D
- C +B B@C +@CA@ D@@J@ A+- +B@ C - > . B - +B@ ! @ +
D B@ ! @AD ? > B @ +B@C +@CA@ - C B@ D2 +@S
( C . 2 ' ' 0 ;OO A >A@ @A AD >A,@ @ U@@,
DC - - J A . - C CD 2 - C @AD A . + 1 0 ;OQ 7 B + ? U@
B@C J + B AD @AD + - - ? > ) ;Q<= : " A C 0
$ ( 8@D ;N( OKM $h - C ' $ 0 7 B@A +B@ B J'
B@ D - C +@CA ,, D@@J A +B@ +C - > . B - +B@ @ ; ) M<
0 $ ' 8;QKN(2 ' +B@ + - J + B A .
JC@ J + +@,G A+- +B@ B - ,, - 2 - C A+@C ,2 E@+ @@A + - @
4KLL 3 & - ' ! B2 ! B@ @AD@D - C CD2 E@ *,G
AD U,G2 - A +B@ , - A . @,, ) ! B@ A@ @C C - @ + - +B@ - JJ - +@
B@ @ - +B@ @ . A
$ ' %( OK<M $ ! ! ' * R # $ $1 6 $ - *$ '
,, D G AD ,, A . B+ @ . - C - U A . AD J + B A@2 C - ,, A .
AD T @AD A . , - A . A +B@ C@ U A . 2 . C - A A . - ,D - B
C 3 LL(0- *4+ 1 =(LL4 -< ?07 1 D700-D* 7* 7
7? *6- -*+1747K+
$ %> $ !& T & 31 0( > , ' ' 8 C - ? $ , ' +
+B@ - A+C CG ? - + - A + - J + B A . ;KK< ) 5 ? . 0
$ $! , 0 PN B@ ? - + - A +@C ? @D2 J + B A . - C
@AD A . - CD A . +B@ E - - +B@ B J ? - @ D - A CD
AD +B@ +@CA >J CD - C @ @C
-E<(34- ,=- <(324/ 0? ) Q" . V
6(* 1 (+ 3- =- *
;=KL $ 0 ' !0 LO< O ! @AD EG,, @2 - ! ( $>0$ "
2 - 0 D & 0 7 U ;K=L 4 OML : B @ + 3 - C@ ? @2
E>+ A - + A @AD E,@ + +@
- < ( ,=-2 <(4/ 7 W M = 4 + 7 0 1 = F #
7- <(4 7- <-4 =- <-44 # =( <-44- #
=- <-4 =- <(4- ,# D- <(4- <-4- =( <(4-/
(R <-4 =-E<-44- =- <(44- =+ <(44 ,
&- <+44, - >! =( <( = <(4 ! = <(44
, 7- <-44 =( <-44 =+ <(4- % =( =- < 44/
" =- <(44 # =- <( 0( % %0
H H L %K % * H &
H ( 71 71 W70< W6- D-
V H H 17< V H
+ JC - E E,@ +B + +B@ - CD >,+ ? +@,G D@C @D C - ? C
, $ A@ , A@A2 B B + C@AD@C A # 5 +C A , + - A - +B@
@ @ + ? @A+ E>+ +B@ BE+ - CG - +B@ - C ? - E >C@ a
: *6 0 D6 = 4J- 1 (*-0 (4U (4=7 ( D7) -0 K
70 K(01 - * 7? *6 = 1 (*-0 (4
$ 00 % ) ! $ ' $ < 8 3 ! 0 - D, ( B@ >C@ - >@C+ D "
J>CJC@ \ J@,,@ 2 " , +>A P @AD , P D@ - C@ >C ! @
, +B@ $ ;LNN ) & 0 ;=<K= J C , >@CD A-_V@C
,@DD 7 + ,U A@ G@ ++ @AD@, 6 7 C 0C !0 #
;< AD *@2 , - >@, D@ 2 J + A EE@B @,U2 AD @AD@,
- > @J I ;LKM . C & 0 ==N A A . GA AD A J@C
B@ , D , GA@D +B , + AD +B ! @AD ;L<P
0 0 !! 8;KKO( = U@>@C,@+ - C@D @AD@, ;POL )
' & 0 ) =N B@C@ JG . B+ J J > ,G - A -
CG ? GA @AD ,(2 C . B+ A - E,@ AD C B@ I ) ;PLN U . 0
" ( ? " 0 8;K;=( ONO B@G ? . @ E,> B@D C@D W @AD ,,
;PPK A 5@> ,, @C + ! A 0 O( 8;<NK( KO - ,D@ \ G, @C
@AD ,, A CC - @ + SS V +B@ G CD@ ;P<< 2 - 5 0 ' - $ 0
8;KQP(=; T ! @AD ,@ ' +BGAA@ +> @,GU@ C @A@++@2 AD
- C @ UGAD@ - G,U@ - C C @A@++2 E>+ - > C @C AD
A CC - @C2 +B@A +B@ ! C @A@++ A - @ G ;MQ< ' ,0
' ) ; ;Q 7 B B E - C @ B ,, B @ DD,@ 2 - @C@D +B
@AD , - +B@ ? @ C ? @ ;KPN 6 7 ? " $ ( ,
& % $ 2 ! , - ,U AD C - J@ - @AD ,2 > B . ,@ ? A
A @A+ , - C@ SKKS 5 R 7 ? " 0 ' 0=M # A@ . CD,@D
+B +B@ @+ A C@D2 AD +BC@@ A @AD , . C G
>8 ; C = ( 0- <-0 K 7? *6- W70< W(=
E <-0=*77< ,-) - 3-?70- * 3-D(1 - 73=74-*-
=- =- 4/ *6- 70 K (4 V0 ( < =- =- F -
4 - 4(W U ( L -D- 7? *6 = E=-< -=L (= ( =607E<
( < (= ( <0-== K ?70 W7E <= -*D

4LN- <& *0 ,$ 0 8 ,E ( QOO " M AD J + - C A
@AD@,, A@ AD D@A@ S+! 9 . 6 $ 0 SS 6 " AD
+B@ E - DG + U@A2 , - @JB , JJ D@ + A D@A@ @AD@,2 - C
,GAA@A , - +B O&>+" / = . ) ;Q= ! GS+G
@A + - >C - $ - ? @ B - ? @ +B@ UGA . @ DGD D - E ? @ AD
D - @C@ +B@ ? A GS+G - ,D - @C@D D - +B@ - ! @AD ,@ ;PLN
. ONL O %@AD@,, +BGAA@ ,GAA@A2 ' $!0 $%+% ' . R
. ) ) & ' 0 ;=Q , - - @ ? A+,@ - A@ ! @AD ,, - $ '
A@ - C ? @a2
! @>D , >@ 8 @ AD , A( $ YH ^ S+@A - A
- ) . @@ " V G ) .
OKMP 8 B C& - D ? $!!0( ? $!!0 $ =; 6 J - A B@C
C ? @A+ - DG@D @AD , A@ - 32 & A@( 7 @C@ J A+@D
,, +B@ @ C@+ G - , - @
! @AD@@ 8 @ADC( ^ ) " N " V cmB@ J@CY
- A + - B - ? +B A . @A+
SK - M . ) 7 ( 8;K<P( PNO ,, +C A ? - A - J J@C
B . B,G D A . @C - > E - +B + - +B@ ! @AD@C AD @AD@@ ;K )
B A $2 * 0 = F2 0 / Q;= B@C@ A - +B A . A +B@ C
^+B@ +@,@ . C JB - ? J AG' ( J@ , + B B @ + +B@ C
C@, + - A @ +B@C + - +B@ @AD@C - C +B@ @AD@@ - ? @ . @
- <-4 C< -44 @@ ) . 10 ( ) .
! @AD@C 8 @ AD C( ^ ) i # A@
B - - C - ? @ +B A . B B ! @AD 8 A +B@ C - > @A @
- +B@ @CE(
, 4ONN ' 0 &!!0 & ' 0 ; A + - A@ B@ @AD@C@ - ,, @
B - , @ B@+@A ;PKQ A & + - A * & & ! ) ' ,0 ,0 8;KKL( >
B@ EC A . @C AD @AD@C +B@C@ - ;M=O < ) 8 $hF
& % MP B@ ! @AD@C AD O@ + - @C - +B@ B - ,G B - +
OMMQ = . C 0 0 3 KPO B B - " 0 $ , .
8;K=N( = B@ . + @A+ A - + > +@D + - +B@ JC - JB@+ - ? > B
+ - +B@ @AD@C B@ . @ U A . OKKP $h 0 5$ - 0
;M ! @J+ P O B@ @AD@C - +@,@ . C JB ? @ . @ B B@A @Y
- C+B + - E@ C A ? AD +B + ^@+ ( O<NK A 0 0 # + LNL
B@ - >A+C @ B B C@ , C . @ @AD@C - JC - D> @ + - - >C
? CU@+
E # A@ B - . A , ? @ . @
; 8 - " ' $!! ' ) !0 ;OL B@ ! @AD@C ,, J G
++@A+ - A + - B B@, - . C JB2 , ? J - C . " @ ,, @AD
@ B - CD - C . C - > J - CD@C@D EG +B@ ,, @C
# B@ +C A ? ++ A . A +C> ? @A+ - +@,@JB - A@
- C +@,@ . C JB JJ C +> 2 $ ! 3 +m $
OKQ< +C2 ) & ' , ! * & OOK + JC ? CG C@
+C @C @D EG > CC@A+ C - ? +B@ , - ,E ++@CG2 AD - , -
+B@ @AD@C2 4<NM ;%" " #$ ,! ! 0 LM %, - @,G
- > J,@D ! @AD@C AD $@ @ @C
- <K- -E -C? - C
- < 44 -E -C? - ) . ! ) . $ '0
! @AD A . 8 @ AD . (2 1!0 1( ^ ) N " 7 IKV
B@ + - A - +B@ @CE )
, O=NN $ ) & " ? . 0 ;PO<L " @ - ,D@ A@>@C@ - @ADGA .
E,GA2 , B@ - ? @ A @C@ ? G + GA O=PN &!! & % C $ ! 0
;QK O 0 G > @ - B ? @ . @2 @ADGA . @ AD
C +GA . @ A%A> 1 Q A $> B 0 &!!0 8;MP<(
: =M; B> + - > U@A ? G C@ ? @ ? EC A @2 B @ , D D - A
+B@ % > @ AD +B@ &C - @@D A . - ? G @AD A . A+- 9@A+2
B@C@ C@ ? A $>OJ B & 0 8;K==( ,G B@
@AD A . - +B@ +C - - J + - @S+ CJ +@ - >C C @AD A & - + - >
OKKO I $ A 0 & ,0 % 4 N&&!0 =MN
5 - C C@J@ +@D @AD A . - , C . @ A> ? E@C - + , A ! - CY
J - A ? AD@E+@D + - ^@+ a
E 7 +B D @CE 2 @SJC@ A . +B@ + - A - +B@
@CE , - ? E A + - A @@ ) , - $ 10
I OLQe ,0 0 $ ' S 4 $ $ + LN; O@ + @A@ E@
@A - >@ - C +@ \ (V@ JCG+@ @ADGA . @ D - A@2 ,, *
J - + - , @ ? E,G+ C@ ) A&/% ' 3 $2 h
8! ! ( ;=O + +B@ @AD A . - C - +B@ & J@ A/&+ . 7
&!$ ) + " 2 +@C @ B ,, B >@ @ ? E,@D - >C
@, - BGJ + - . G+E@C8EG +B@ @ADGA . @ E - >+@ - - >C@E@DG,, (
OK=M 8 C ) 0 * 0 A SS ;QL B@C@ , ++,@
A+@C ? - A E@+ @@A@ +B@ DC A . A AD @AD A . - C+B -
+B@ C EC@ +B OQ=K @ ) &h > & " 0 S> ) OQK B@ @AD A .
G - >C JC - A@C - >C , + +C A + - A 4$PK . $ h 10
% !0 O # + ON< ; ! @AD A . A / G ^$ - G , D@ ? G(
O B@ +C A ? - A - +@,@ . C JB - C +@,@JB - A
? @ . @ , - $ 10
, B% > ,0 0 OQ; O # A@ C EE - A ? G E@
CC @D - @C AG A> ? E@C - @AD A . ? B A@ A >
! $* " ; ; \ B@ @AD A . - %,@CU +@C + ? @
, - @ ,@ CA@ AD ,@ . E , +G AO+% : . . S !
! 0 ; ; N C@,@ +@,@ . C JB @AD A . + + - A
! - ? @+B A . @A+
A/OO ) , & OP - - >C + ? - C@ +B@A
>C +2 B ,, ,@ @A - D @AD A . +B + G A &A =
. . 0 ;LK 1 - > U ? @ B - , U@ G - >C , +
@AD A . A 0% : 1 . 7 A$> 5 - C @AD @ + AD
@AD @ +2 AD GA@ ? G ! @AD A . C@+>CA + - ? @ B@G
- ? @ A@ ^@+ a
! @AD,@2 " % 701 =F @AD ,, 2 G,, 2
= <(44 ,, 2 =- < 44 @,, 2 @GAD ,8,2 @AD,@2
@ AD,2 " @ AD,@2 AD,@2 ! " A,@2 & A ,2
,@2 GA,@2 @@A,G2 & " @@A,@2 @A ,2 @@A ,2
" @ A,@2 @AA ,2 @ 0 -*(*6-* D (4*-0(* 7 7?
! , % . ) $ 0! G . ) 4=7 ' ! 3
- =-4<71 * -=
, A&>+ ' & 0 $10 , 4C $, 0 2 $!!& SS 2
" JC G >, , AD , +G ? @ ,, B@ ? XW - + B 7 . C $!0
S,2 : UA@ +B + +B@ - >C+ C E ,, # @ CD,G
,> @2 I >B ,U @AD ,, + AD + E ,, OP=< & - * 0 ,& 0 S
;LN + CG B+ @GAD , @A@ +B + B@ @ B J +B@ D@ +B+
O "Y OD 0 C " & ) ' , ! ,& 0 L=O B@ , U@ E CY
E C - > AD B ? @ > , C>@,+ @ B@ @AD,@ E@A@ B CD -
? A . %BC +@ A OM== $ . . 0 ! " - ! 0 8;K=;(
;<; # A,G +B@ ! +>CD G C@@ ^ C - ? @S@C @(2 AD +B + - C
! >AD G' JC@ B A . 2 B@A A,@ + ? @ AG - > D - @ U@
I ;QLN ? ! $ 2 ! AD,@ + ? @ +B@G @'@C
- ? @ E U OKSP 8 . & ' & 8;KOM( O=
5C , ? A2 , U E>+ @@A , +B AU B + ^@+ a OKMO
' . 1 C & ( ,& 0 K . @A+,@ B - C @ B - >,D E@ AD,@ J>CC'D
+ ! D '4,D, ! A H_00 0 ' - $ ' ' 3 HB 8 - 0
3 - $ 3 +( +@ ? - $ + - ) a A @A - G2
? @ @A . @C % I $ ' 3 - ' F ) ; 4D ! )

844LNN ) & 0 O;=NK a A @A+ V@ U A . %-A + A+ A2 ! @AD
? @A + , B ? - D@C @, A@
- < 7?*
: % ,= ?0 - <4+ <-17 =*0(* 7 7 *6- 7DD([
= 7 7? ( L-0=7 2= =*(0* 1K 7 ( M7E0 -+ 70 *6- 4 J-
, 0 K (44+ /
T A - # " & ' 8;<NN( ML # A@ -
+B@ E - G B J @D A E B@ U 2 AD @ A+ + - . @ B ?
. - - D @AD - OKKO ' OQ 3 C = S 7 B@A @A@C ,
C A+ @A+ + - >C - J@2 B@ B D . C AD T @AD - " - A +B@
/ @, C@ " ) OK<< 1 ( %< / @ @N0% B@ ? @D , - @C 2
. @ +B@ , J + - +B@ ? @D , +>D@A+ AD - +B@C D ? C@C
B - A+@AD@D + - . @ +B@ ? A @A+B> + @AD -
$ 1( OKQM ' \ @ &! ( ? ) B!" S 2 +@C
+B@ >A@C , " > . . A C - +@ E@ >+ >, @AD - A - + @
OKK< C $ !! $ !! < $00 ;M - M ; D@, A & ++ ' T @AD -
- A @C+
; 7 = K 1 - * ,7? K77<=/
;<N< ' 0 < $00 ;= : > ,G = O @,, UA - A . A . ^ -
E CD + B@C - C +B@ - AD - A ? CU@+a2 B - @ W@AD - B D
@C . @D PNN E CD @@U
- <7 + )(0 ( * 7? ) L !
Q ->E<0- 0(LL 0-L0 , ' - *=6
?70 L/ *7 =-L(0(*- + 8 =--
B ) " 0 ; 7 LE0 ?+
B& " ' 10# \ > * ,U@ @,,@ S> - 6 @C ) ADX> - G X@ADC@D
:V@+ J@ E@C+@ B C@ G UA > V A@ A GC@ @,,@ @, GX@ADC@D
- <0 -E -C? - B )
- <E744 D6- C A+ - ) 6 ) . .
* -E- 10 3 1 0 0 ! " ' ( & ' ( " "
=*0 ?-0 ^ + , 7*6 +
-E* ! * N ? ! * / " *7 V =7
L7W-0 7?= K6* ? !
8OONNN 6 ) ! $ ' $ =MK 8 C ( # + GA@ - +@ B2 E,@ D@
E@ , - B - A > ? E@ - CA >AC+ ? ) S - - @ $50 , 0 , OM
7 B @ ) A ? +@ ? - A ) @ ? @A , - W - A @ ,D @+@C A@
GC+ HL P E @ - A , S - - " <L<= E ++ + A @*B@
,, >AAB , 7 EE,AA@AA - @A@2 $ OOPN 2 ! 0
O=N aV> B >@ + A *+ @, EC *+@ @A@
* - -K 0 4=7 D- - 0(
+
B@ - CD B - >,D @+G ? - , - . ,,G E@ D G,, E * +B@ ? @+C@
JJ@ C 8D - >E+ >,,G( + - AD +@ ? - A - G,, E,@2 AD JC - E E,G
+B@ # 5 - CD ? @C@,G D - J+@D A + C ++@A - C ? @A
A 5C - ? @ - A > - A C - @ E@+ @@A ' T @A +> " AD
gh T GA - D> 8 @@ A@S+( % - + . C @SJ, A GA - D2
AD I > - +@ JC - @CE A B B + B ,@ C,G +B + @A @_
GK
/ G G @D B 8$ - ,, ( LL; ; J@ ! @A@ @ D@
E@G @C@ C G@D O=OO 7 +C , $ , ( SS S
SMK B@C@ - C E + C @D A +B@ ! @A@ - +B@ ! @A + - C@
- $ - ? @2 $ ;=QN AbC - 5 ) E & ' ' * 8% S+ - A
O=K; ( = E2 0 G +B@ , @ +B + % > ? D@2 ? @ @ ? @+E +B +
@@ +B@ J@ - J,@ D @ @C@D C - ? +B@ %@A@
* -E -@ 701 =U # =-+ - #
=- - =- - =- - - =- - + - =-( D- - -
7- - =-+ =- - - =-( - =- - ( - != - K
0( ' " ' ' ( -*D -DD4 " ' & ) ( ( V0
(E 7 7= ) ? V =+ 7< ( 1 - - * K
7? D4-0K+ ?70 <-4 3-0(* 7 ?*- (LL4 -< *7 *6-
3 =67L.= 70 *6- (0D6<-(D7 .= ) = *(* 7 U *6- ?701
' X *6 = E=- = L073 <E- *7 *6- <- * ? D(* 7
7? *6- W70< W *6 ' ) 34 =3
OLKN % , A - DD $ 0 " , ! % 8;KP;( ;=Q
O J@+@C J@A . @D@CGA . @ E+ >+@ AD @C G @ E ) + E ) - @A
+ - @GA@ AD + - B J +C@ I O=OP ' 0 & ' 0 !0 ;ON ;P
4 B@D@C B@ ? D@ % - ? @ + - - C BG ? , +B@ EG B - JJ@ \ +B@
,@C . G@ - C, AD \ B@,D BG @AA@ O=LO VP - +C '
8$ - ,, ( OQ; B@ Z A @C ,, @ @@ A@ - C - A@ G,@
U@J@D@ + I > ,@ %O==N C & - * 0 C $ ) 0 %@@A@
- ,@CUG 2 V I Q * OP;L ' * # 1 ) N B@
! @GA U@J+@ + J, @ ,, @D ,>@ OPOM $ ) 3 4 *
$ !& , - - " @ U@J+ . @A@C , - >A @G,@ - C @A@ + %-A
+ A+GA - J,@ ' 0 !! ( ;N e = , C B@
E B - J E B - J >D C@B@D@ - A A @>@CG +B@ C + 6 - A
AD @ A@ B ,, ? U@ D , . @A+ A @ C B@ OPKO A
? . 0 & % & MQK A @, ? @ +B@A C BE B - J - % A+@CE>CG
A ! @ A@ +B + B@ B@,D@ + - AD - A2 D D ? U@ / @ C@@2
+B + &C @ + B - >,D - C ) @ +B@ C >@
$ 1( S ) M ) , 2 0 ,, 0 C E ' & ' ( @+ 8 ! > C+@@ ( OQN
5 - C - >C JJ@C A @ >J - A +B@ @ J@ D G@ OMN< 1 0 MX
+@ ? J G@D B@A @ B@C@ E@ - C@ " >++ - A + +B@ ! @ A .
D G2 S * D
* - 4=7 =- - - =- + != - *-
0( % F =- - V ]
, O=NN $ ' % $ ' ) 0 O<O U@ SS D ? @A@ \ S *
. 2 \ * \ + 2 @A@ * O=LM 1 ! h 0 C& ! , " A C& 0
C& - 8$ - ,, ( ;QL 7 @@ B>,D@ B @ A - A@D@ + - U ? - AG@2
$>E CD@2 @AD2 AD G'@+ +B ) E@A@ + - A@D@ >,,@ O ) P
M 7 - ) T & ' , ;=< &! ) $00 +C - 6@ +C@@2 - C
8 - ? @ +B AU@( +B@ @A@ +C@@ OP<Q < ) 1$ $1 !
A . ? @ 2 0 + CD ! @A@ - C ! @A@ +C@@ OMOP ' ' $ 0
E 0 QN : B D DC>AU@ - A A > - A B@C@ A - ? @
I > A+ + @ - ! @A@ ,@ >@ ! ;MP; ' 7 7 2 ( ;N= ,, G@D
+B , - @ 2 C>E C+2 @A@2 AD +B@ , U@ OMPK R 4 ' (
+B@ ,@ - ? @D A E,@ B@CE B B J>C . @+B B - ,@C U AD
? @, A B - , U B> ? - >C ^;MQ; DD ) @@ $+0
* - - =- - 1 1 0 701 =F ( =-=?- -
=@ - @- =- - # ( =-E- +=- -U M
=- # =- - # =- - 0 ' ( % -
L0-6 =*70 D T 2 ' B&3( ? T ' ( L( LL4- 7?
T $ ( *7 6- <07LL K7? *6- L0-? R W(=
L073 6(=*- -< 3+ *6- ?4E- D- 7? *6- D700-=L7 < K
" ' ' 3! (=+ *7 =- - ) = 34- -) <- * 1( ?-=*
, 4(*-0 E=- 34- <-< W *6 ' L( LL4- 7? .
? " 2 !% ;=NL , ZC - A +@C ,D E> ? D@
. @ GA@ , $ + / 0/& @+ B + @A@ B + B@ - 7@ B@C
I >@A@ ;L V ( ( !=Q 7 B - ? @ , - @+B A - - C+B
@A@ ? & ( 0 G @A@a C ;LKM B C &!0 . 5G,
, - A . @ @C@ B ,@ . . @ AD > @A@2 +B@C A - , G A@
```

,+ -- OP=Q J @C >,, @A@ (V ++): - ,,
>,, - -J , @AA@ @ , ;L;N &' $ E(- A C&
&' 8% ?D@A(OL< !@A@ -A EC- @ A+ -A @)@
EC@ @2 B + B@ ,-> @+B ,- GA.@C2 AD BDG@+B BC@ @
%3LM< B %) ?!$) ', =;L AD +B + @A@2 5-C
,, +B@ --D@ S@A .C@A@ ;=NL 7 &' * (?!0
V ' 0 =LQ + @A@ EG ?GA -JJC@ @D E@C@);==N
C &-*/ C$ (MM O %@A@2 -C E@ A@2 $**$ ' -$-) (
,A& + ' 0 LPL T - : I>E + + I>-D
B@2 7 +B C CD, A. .@ -C+- ?> @ AD +@,C #>C C EE +
.-DD 2 AD @A@ -A ?@ ;P;L F , ' A ($
OQ " +C @, B- B D +E C -C2 AD B@,D B C I>-G@2 O@ D@ +B@
,+ C ++ AD A@+B @A@

C3 =-< L4-7 (=* D(44+)-0=-

TGX\ M 4 C 0 &% ,0 QMK= AD J + ,U ?G,@ >,,G
-A+@A@ +E- AD J @ -C >E +@ @A@ ;L <d 20 < 0
V % 0 L=;2; E@ @ E@ A- +B)@X @A@2 J ?@,+G ?-+ E@
?GA@

#) W @ G +- @@ " B CD +- @@
B@ -C?@C) -A+ A>@D 2 !! '= D- A +- +B@ ;M+B
+ + ,, ?, C C- ? +B@ @S ?J,@ A +B@ &C G@C O--U2 E>+
A- JJC@B@AD@D > @ - +B@ J JJ,@
,4 W !>??@ E-U@ >..@! +- 7 @J +J
E>CB @ E > B@D AD J + @, @A@
$ OLNN ! $!&. \9 JC@ D G@ J@C E -?2 @A@2 I + B@
A- ?@+@2 ,b + @, @A@2 $;LP : C& - 8@D .
;N= ! C &B , J A+@D ,, B ,,2 J + @,@ -A B
@?E, AD @A@ .FG , . V ' 0> < $ - E@ @
G+G>@ 2 + @, @@A@ O=QN KP = . A
KP + @>G, @A@2 +B + +B-> C+ +C>@ ? A)B + +B->
-,+ A-+ +@,,@ +BG A ?@ OPLP . ? * ') S ,a O= +
@,, @A@ 8- -D(B- +B-> J-@ + ^!- A &C G@C EU a
* 7 -+ $ 0 AD ,&'B(, AD '& 0 1 0
^ C - ! ! $ 0(@+ 2a !
$ B(,OLQP ,0 0 $ ' =C. ! %+ @ F>B@A@B B D
L@C D @,+@ J C@2 A G @A@ AA@ B@ @C@2 ,O=QN <&!0
<$20 OKM B C. + B@ A A@ B-? .@2 # ,-CD - GDA@ ,GA
.@2 -C A@>@C A-A@ @A@
,&'B(/ <&*0 ,& 08 ,E (=L< ! "U@ -+@,, + ,U A.@
A@>@C *S+ @A@ J@ -C,D E. A @A@ A JC-JB@ G2 , ;=QN
M 3 $!!$, . 3 -AG E>ADC@+E2 !@A@ * E@. A@2
C ,- + +B ->+ C ?@D@
- - C A+ - 1 0" >JJ@C
,O=PN 6 ? < $! S, LO 7E AA@ +B + ,@ > B
!@A@ 3 D@

- - 73= D ?701 7?

OM<O $: , &- - 2(28;K;P(L 7B- B @ ? D@
+ %> +-?@ +- U@@J %B>C B D>@,G @ CG C + !>AD G -
+B@ F> C+@C +- @A@ -C B ,,- +B@? @, @ 2 C-? +B@ !B-+
AD !+@ ,+B - +B@ @ ADC A. C E@
- - =-- ! +C 2

- -D(,=-> J(/ ?(LL <- *D(4 W*6
% *6- (1- K)- 3+ W6 *- 1- *7 7 - 7?
*6- S R (*7 =2 7? *6- 07TE7 = D7 ?-<-0(D+
4) K -(0 (J- - -D(, /G
- -D(K0(== ((1- ?70 70*6-0 674+ K0(==
3 % /U - -D(74 ((1- ?70
D0E<- L-*074-E1 ,=-- TE7* :& #/

T T, M * A - 0 " - !0 0 4 P B@ -+B@C ^ @,,a
D B C.@ 2 + I> A+ + @ - J@+C-,@> ?2 -C2 + >,. C,G
,,@D T !@A@U - , /0] 1 0 44 M= B - ,
I> C@D + A ?@ - !@A@ - ,2 C-? B A. E@@A C +
->AD A +B@ A +G - !@A@ U@2 1-CU /0!1".3
) * !$ 31.0 ?& 0 98Z !@A@ .C 2 $ T ,X <
&$!" C &!0 @+ 8;KMP(;M 6AD@C +B@ A ?@ - T !@A@ # ,
B B +D@C @D C-? A AD A +AE@2J@+C-,@>? -C?@C,G
-,,@ +@D A %B + >I>@ %->A+G2 1 2 AD A %C -CD
%->A+G2 &@AA G, A 2 AD -,D -C ?@D A) J>CJ- @
* &> - Z? % #>" .M 6(0(D[
-0 = D 7? 70 D7 ?701(34- *7 *6- L0 D L4-= 7? *6-
*7 D L6 47=7L6-0 =-E= - -D(,<-< / /
SM-- 7) ,$,& &' 8;MN (;NO >@CG 7-CD B@A
+ -?@ +- JC .? + ,, JC + @2 B +B ,- @ -> B@D A +
+B@ @A@) G - !@A@ ,, @A+@A @ /1/ . 4 0
? " C -1& =O A B-C+2 +B !@A@ ,? A
->AD A B ?2 - B-? +B@ D G AD -C+>A@ @I> , C@
5 S'D A B ? @, 2E@ + ,, -A@ +- ,,
- -D?* ,=-1 .J@/ 0? %
%-0*(K *7 - -D(,=-- L0-D / (< *6- *0(K-< -=
W0 **- 3+ 6 1 (<6 = 1 *(*70=

OKKP : 3 M A $ &' OM 3 C OM= O B@ !@A@ A
J C + - +B@ -CE-D> C +@C TQ\G ' P
1$ 0 PO A OP<= JJ@ C@D B ^/ CA@,' a !@A@ A
+C) @DG ! &*$ $0

-1 -D(=*-0 % * . ! 1 [
*(*70 7? - -D(

OKK= ! " .$. 0 C , & OOQ B->.B 7C ++@A
EG !@A@ +@C - +B@ J>C@ + +@C2 E-+B ^J, G a C@ ->AD@D
> #A A?@A+ A., B E,@

- -76(4)(0(*7?

-E-D* *E<- ,=? -.J**$</ 0(< 1-<
% %& E (K-/ 00-K ? % F
=-- 8 (< 8' ! 4< (K-

2 1 & 0 <)!! ! &@C -A 2 - ,, .@ 2 C-? + @A+G +-
@S+C@ ? @ @A@ + +>D@ /0 0 0 < 7 3 !0/
$@J,@+@ +B +B@ ? ,D ,) - ? - @A@ + +>D@

- *E<- ,=43-@J* @</ 0 (<4+ ? % 8
=-- L0-D (< 8' ! ^ L0-D

2.1 " ! A : / >A -?E@ 0 8OQQL(PN B@
-CD " @A@ +>D@ B B G-> @A I> C@ +@C2 D@C @ C-?
' 5" ' ,) 0 0 / $ C $ 0 ::: =KP) / +D G->
+B AU +- -A @ , +B@ B@ A-> A@ - G->C +@C. @C + -A >AD@C
+B@ ? U - @A@ +>D@ T ,G @ * $ $
4NL B@ C BE-,D B D A-+ D@ .A@D +- ? U@ B ? @
@A@ +>D@ ^SKMK S, 2 @A@ + +>D@a ?D D-A@ +B +
+ ;4 >D*44* > ^ D %+
8 -,D ? A @@ # ,D .@
/!0/ # 9)!! 8 ! &C@ 2 AD A @) ,>A+-
+B@? +B +2 E@A JJC- B D >A+- @A@ +>+@ ,,GD -,D@ AD
>A @A+ .@ / . ! $ 0 ! > 8;P=O(;L .@ E@
->C@ DD,@ @A G +- SS G@C@ !@A@ +>+@ >A+- SG@C@
&- -5&)(0 (*7? 3 1 (1E=*(0<

- -K(,=-. @K4/ 4=7 & =- -K(W =- -JJ(
& " =- -J(=- -D(0(LL <- *D(4 W*6
-9=-- TE7* MM /U *6- ?701= W*6 1(+ 3- <E- *7
(==7D (*7 W*6 + X + '1 6-
1-0D(L4(*5 % 4=7 (<0EK
73*(-< ?071 *6- 077* 7? *6 = L4(* ?701-04+E=-<
(= ((*<7*- ?70 = (J- 3*- 4=7

OQLK 8 * 0 & $ P + , + A -C?@D
+B + +B@C@ $--+ D - @C@D EG +B@ !@A@ AD A
B B @C+ A $@?@DG . A + +B@ 0 +@ - +B@ $ ++,@Y
A U@2 AD D +A.> B@D EG +B@ ?@ - !@A@
$ ++,@ A U@ $--+ OQ=K 9 8 C $ -$,&*& $ ML
!@A@U 2 +B@ C--+ !@A@. C ++,@ A U@ C--+ OQPL $-(
1 T " ,!0 !>JJ, C&!" $!$" B@ +C , ? D@ - +B@
C+>@ - +B@ !@A@UU C ++) A U@ C--+2 C@ -??@AD@D EG
/C @AA@A+ OQ<< 0 " - !0 ;QN " @ JC@ C E@D +B@
+ C S >?2 @A@. 2 AD C D) S .C ? A 2 A D@ - + -A OKQQ
5 G$ $' 1.0 0 8@D L(??-A AD
@A@. ? G E@. @A2 +B@C@ ?> B D@E ,+G OK<M +
' - 0 %% 0 $ 8@D O(=PK !@A@. -6 2 !@A@. 2
C&!" $!$ ' $,, @ C--+ -A+ A + - ,2 C@ A ^@+ a

-E-K E ,=-1@K / 4=7 " =- -K,E/ - 0?
7 Q" V (170L67E= K4ED7= <- D7 ==*[
K 7?=(L7K- (<=EK(0 73*(-< ?071 =- -K(

;KLN). $%0 " 0 ?& 0 ;=M J@ >, C @.@+ E,@
JC A J,@2 ,,@D !@A@. A2 B E@@A D - @C@D EG @A,@A A
+B@ C--+ - C&!" $!$ ' $0 OK=P 7 < 7) !0 -0
=P< !@A)> A@ A C D2 >E + A @2 ->AD A C&!" $!$
' $0 OKPL . $'0 $ 0 0 8@D O(LO< B@ &-,G
. , D2 !@A@. A@ @E,@A2 AD &-,G. , A@ - -+B@C
!@A@.-.2 -E ?701 - 7 7B
!@A@ 2 C 3 !@ @ ->C @@ 7
* -. @ - ^ D 8 -,D
? A a T @,D@C 7?- - >+B-C +G -A ->A+
- +B@ D .A +G JC-J@C +- B .@
OS=NN C !! &%) $' 83 ! &(LNO AD -D@A,G @A@U@
H 0 0 aV + @A) a EC-.B+ A +- +@
!@A@-AC2 -E -C? - 7 !

- -=D- ,=? ->=/ " 0(< %
8 =--> G 7 K07W 74<

OMPM + OK<=) 8;K<<(
LOO + .@+ , ++,@ ++:@2 AD ?G -CU ,, E@. A +- @A@ @
!@A@ @A @ 8)A@ qA (0? @@
% a 6- JC- @ -C -AD + -A - .C- A. -,D
OM<P 9) 8) $ 0 0 $ M; B@ C+B2 !@ 2
AD ,, A +>C , +E AC ,, -A+ A>@ A +B@ + +@ B@C@ A +B@G
A- C@2 +B->+ + +@ ,@ + !@A@ @A @ -C /@ G2 SG G
= < 66 0 ' " = $', 8;QMQ(OLK B@
@ @C , !@ -A - @2 D)A2 +B - @,+G2 +- %EC,DE--)
+- 1->+B2 +- 3 AB--D +- !@A@ @A @ O)Q " B R
< $-0 0 0 S! A +B@ @A@ @A @ - +B@, A.> .@

3 6 , -- TE7* /

SK = &1!0 "@+ 2 JJ 8;<NK(OQN ' , ', 0
7 +B @ B > @ @ .@A@C + -A - @ , +B@ J- @C - .C- +B
D ? A B@ B ,- W - J- @C +@C ? @A@ @A @

* - ->&DD D+C 0? -R*F =-- !
- -=D- D-

;MM< 0 &* 0 &) ' < ' " ' 0 ;LO 7 @ ? G .>@
0 +B@ -C,D .@ A-+ - >,, - +B@ ..C +@D !G?J+-? -
+ !@A@ @A G

- -=D- * ,=? -2=- */ 0(< %
L0 LL4- - , +- K07W 74<U =-- R
" (<V a V07W K 74< -4<-04+

;MPM . B & & 0" , ' " S A. -,D2 .C- A. A
.@22 @ CA. G2 DC A. +- +B@ A2 $ OK=L !-> "a)G
&, & S 8OK=K(PNP !@A@ @A+ J A +@C AD D- .@C
;KQK B ,(0 & 0 0 8;KKM(;PL + A-+
D@ D E>+ , A., A.>) @A@ @A+2J@CB J 2E>+ A .C@@A
-,D .@ OK<L $ &' OL :>,G LL L C@ + -A @A @A @ +-
B-, C 2@ J@ ,,G +- +B- @ +B @A@ @A+ @G@ .B+2 ->,D
E@ @ >C@D EG >@A C) +-C -A

- -=D6(4 ,=- (4/ 701=F # ! =- -
=D(4,4 # ! =-5-=76(44 =- -=D6(=- -=
=6(W4- =- D-(44 =- 7 (4 =- D+(4 " =- -
=6(44 & =- -=6(4 ! =D-E-76(4 # =- -=D6(4
0(% ,17< > % ^%0 %
L %K % * % % % % (71
'71 W70< (< - * ! % % ,4(* I-<
% % *6- 0(J =6 (< 4(1(D
4(W=/ ? - 6 ! 30 74<, V7*6 =EL-03
7? 74</Q>>4 Y 4- = =-0)(* ,V7*6
V % >% % % 6- 0 W70< W(=
(<7L*-< V (= % % %; 1

:2 A - , A +B@ B-A @B-,D - - @C@ .A -C
.C@ + A-E,@2 +- W671 +B@ D? A +C + -A - *> + @
AD @A+ C@ -A+C-, - D-?@ + CC A.@?@A+ @C@
@A+C> +@D A D@C A M +@ CD2 T ? *-C D-?-
;L<L A % + <L !-??@ C@A @A@ B , AD
@C>@A -(V@C@ ,-CD@ $ O=PN V ' 0 !$ &) 8;KMK(KM
?-A @A@ B ,,@ I +B@ U A. O=QN KP " #$)
S PP B@AA@ GC U G ? A+- GC 3-C. A-C@ @A ,
+B +B@ U A. - +B@ % UAG.B+@ SW) $ 0 A0
;P 7B B +- JC-> D@2 B@E +B +B % +,@D .B+2 AD +B@C@ A
E +B !@A@ B GAD OMSK 3 " !$' @+
OO; B@ @ .C@ + -CD@ ? A .@D +B@ C @ + +@ B@@C@2 EG
+B@ C !@A@ B , AD !@C6 A+ OMMQ : C0 0 S LK
B@A ? C B ,'D 5@ + !@C 'D >J A " ,, +B !@ @C 2 AD
!@A@ B ,) OQLP J $ " (+ =Q B@ !@A@ B ,C@E>U'D2
A B +@ +BDC@ (□ (□ 0 0 +2 B@ C@ J@ +Y
E,@ .@A+,@ ? A B- + @A@ B , -A +B@ / >U@' D-Y
? A OKQP : 0 ' 0 b ;L< 7B@A @ ?@ +B
.C@ + @S ,+ + -A - .C@ + !@A@ B , -C !+@ CD
% (OKP= " 0 # &,0 - 7U 8O-BA(OQM
5-C @S ?J,@2 B + @A@ B , AD D@+@ + @ , >.B+@C
3 +B@DC , 7?? D (4 A A., AD

SKK $' $ L; >. L P 3C " > + A2 +B@ % +B@Y
DC , @A@ B ,2 D +B@ %B J+@C ^% A+@CE>CGa D D A-+ JC@
-C B@ G J) ,+G

= *6- **4- 7? (K7)-0 70 7? (D *+ 70 L07) D-
(< 7?)(0 7E= (<1 =*0(*)- 70 ME< D (4 7?? D-0=
7W 7 4+ 3 -RD W*6 0-?-0- D- *7 *6- 6(-4
=4(<=

% 4=NN ?- OLO - E@A@ !@A@ , AD CD@ A - Y
-.A@ OP) A "@C@ 0 5%& 8,---(2 OL< 7?
!@GA+,- E@GA. B @ - @C - +B@ D B C@ EG +B@ A ?@
- !@A@ B A/ + ' ..) $ 0 0 &' ' 3
!@A@ B ,2 0 , 2 -+B@C - @C -C +@ CD@ -
->C+@ OPKM $!0 0 C$* (!0 ;PKM ;PKK2=; B-,
/ +C@G2 .@A+ 2 !@A@ B , - %, A@E-G WIA%J+)) 0
8;K;N(;P B@ " .B !@A@ B , - +B@ / >+ BG - %-CAY
,, 2 A A., B +@C?@D -CD 7 CD@A OMQP 5
C$* 8% ?D@A(LN< ,, -C +@D \ + U@A >J EG +B@
!BC @ -C !@A@ , A %A) $'' ! 0 SS
8@D O(PLQ B@ ->C+ + ! CU -A + - +B@ @A@ B ,2 -C
*>D .@2 -C B D@J>+G2 +B@ JC@ D+ AD +B@ .C@ @C

) !M < ' !0 $ 0 44 LLL B@ - @C - +B@ @A@ B ,
*>C D + -A - > @C.A@
* -.4 -=D4 (44+ 0(
% ? % F =-- L0-D G 6- *-00 *70+
E <-0 *6- K7)-0 1- * 7? (=- -=D6(4

OQNN : $ 0 ' 0 "&) - 0 > 8;QNQ(OQ< B@ @
^%->A+ @ a C@ >ED D@D A+- D @C !@A@ B (,@ -C
!B@C D-? ;QNK : . (< 0? 0 ;;
8;Q;N(=;L +@C +B@ !@A@ B ,,G ?@ +- +B@ %C- A2 +B@ @
@C @C@ ,,@D $ & * 0

- -=D6(4=6 @ ,=- -M(4M L/ 3 4=7
=- =6(4=6 L 0? (: !
: 6- 7?? D- (< ?E D* 7 = 7? (=- -=D6(4

S) - (! $ 0 0 &' (' , - (!@A@
!%B , B J2 -C !+@ CD B J SMSK F) " !$' (@+
OQK C >A+ - % J+ A@ B JJ@ -C !@A@ B , B JJ@ 2 A
+B@ C B %->A+C @ OKQK "$, 0 $. 0 PQ B@
!@A@ B ,, B J - 7 @S -CD2 -C+B E>+)O- C B G@ C
? / R (
OPKM O $ C -$) 0 0 ,$ (PM; #A@ + @ AD
J-,+ , -??>A -A2 -?J->AD@D - ? A @ &C- - + B J 2
0 @@U@ 2!@A B , B J ^@+ a OQ=O +C > - > '
(LP 3 A2 B- B ,- + B % > @ E@ -C@ +B@
:>D.@ - +B@ O ,G 2 JJ@ , +- +B- @ - +B@ !@A@ B ,
B J OKN= +C C ,D) '$ > N&% & $ 2 ML B@ +C E>A , -
+B@ @A@ B , B J 2 AD ,, +B@ >J@C -C ->A , - +B@ , AD
OKLQ 7 - !$' ;PL #A@ EC A B J- Y
@ @D +B@ @A@ B , B J2 AD A-+B@C EC A B +B@ - @ -
E 6 @ - +B@ E+B?AC @ - / >,,

- -=D6(4=+ ,=- 2(4= / < 3 701=F
P - -=D3(47 - Q =- -=-6@ - Q2 < =- -
=76(4D+ Q] (- -=*?? (4=+ : #5 % %
(< 1-< % % U % % (!
: *-00 *70+ <-0 *6- KL+-* 1- * 7? (=- -[
=D6(4 ? (U

O=)P ? . 0 &1! 8$-SE (LK ^!- B@a +-U@ +B@ B-? .@ -
6,,@ +B@ ,, AD >E.@++ A +B@ !@A@ B , @ - .@A-
A>++ .. 0 ' 0 QNQ #>+ # B- @ B AD B@ B D
+ U@A2 +B@ !@A@ B , G - A*-> A J> . . 0 0
+ OG O ,, .@ 2EG !@A@ B ,! @ 2 A B + -@ @C -C?
?@A -A @A@

(6- (<1 =*0(*)- =-(* 7? (=- -=D6(4 3
6- 7?? D- 7? =- -=D6(4

OMP ' . & -& 0 OKO A 0J6) -J 6 !@@2 AD +B@
!@A@ B , @ -C ,, +A@ %->A+C @ - O@.-CC@ OK<K ' 0
0 (A ;LQ " @ E@,@ @ +B@ @ D@A @ ? G E@
+C> +@D - +B@ %->A+ - A*-> , ? +- +B@ @A@ B , G

-AJ-=D4 (4*+ ,=-> G@* / 3 0? F
? ! (

OPQQ 0 ! ' $ B@ D@J>+ @ - E->+
->C+G E G,G U@ AD !@A@ B ,+G@! - +B@ C@ ,?@ S&&-
0 OP / @ KNK ; B@ @>+@A A+) @A@C , - +B@
!@A@ B ,+G

-1 -=D6(E D- 0-007 -7E=
?701 7? -R* G ^ (4

A/A/) & 0 ,S ;QK B@ .->@CAGA. -
A.>@D- U@ + U@A G@ C- +B@ D>U@ - O@CC@G2 AD
D@BGD@D A +- !@A@ E >A @ A +B@ UGA.@ JC- G+@ ^-C.
' " *$ - -1 73 ' , $) $) * &)%) &"B0
* -. -=< (E=-- 0(% +
00-K ? ; (! " (
M=Q %- $ 2 & 0 MM B@ @ E@ A.
D D@D A+- LN &C@ A + -C :>C D + -A 2 B B +B@G ,,
! ,D .@ -C !@A@ B > @@
- -=*-0 *0- 73= ?701= 7?
- -* - -**F =-- C
- -E- =- -E7+,- =- -E+)(0 ?? 1
- -W,- - -W+ 73= ?? 6 6
- -+* 73= ?701 7? C
- ?*- - ?E44- 73= ?? 1 38(
- K- F =-- C C
- K-4-+ -44, j c::,: 73= ?? C(C(@
Q -. K4 37 < CA 09 ? ^
C(0 H G - D 0D4 K 3(<
;=Q< e G0 A C& &' 0 " OQO A-+B@C ? @C - AD@
A +B@ E-+- ? AD @A. ,E-AD@ * >A \ * I> C+@C
- K4- 73= ? C(,K 0*6/ C((<
- K4-0 - K4-*F =-- C(C(
- K0-- ,=-1K0* / 7W ,=-- g
D D =)) - K0-- 4K0--6 K0-- /
5-C? F (= K0< - = , = -/
=- , =- -/ =+ K0- - , =+K0+1- =
K0- / ! =- K0-- -,! =-(=-1 =+ K0-- /
! =- K0-- ?? = 4?K0- - =-4?-K0-,-/ 7
" = 4,4/K0-- -*D 0 =E3=* E=-
7? I (<M -)-0K0-- F] -?4* ! .
! L0- -E* ! 7 - (4W(+= , V7*6
<(4+ -*-0 (4 KHU 77K

[illegible]

+7E K +B@ ? @ + ? @

[illegible]

- 70 *+8 A J C + (5 - C ? P M @A - C +@2

M @AG - CG+@2 @ . A - C +@2 @A - C + @2 M

@A - C +G2 ^ ? @D

[illegible]

: 6- =*(*- 70 TE(4 *+ 7? 3- K =- 70 L0 70 *+

3+ 0-(=7 7?3 0*6 =EL-0 70 (K-

[illegible]

!@AA ,=-> (/ 4=7 &=- (017<

(0(3 7

: 6 BC>E - +B@ .@A> & A + @ A

[illegible]

3 LL4 -< W *6 <-? K W70< *7 =60E3= 7?

7*6-0 K- -0(W6 D6 6()- = 1 4(0 1-< D (4 L07[

L-0* -= (= (=*(0< =- (^ -R* 4(<<-0

=- (& + % =-- (` 2

6 4 =- (# % D70L 7

[illegible]

=-* 7? 7*-= 7 *6- *0E1L-* 70 D71-* 70<-0-<

6- =(K- < 0-D* 7 = 7? 4 I(3-*6(L4(+= (L[

L(0- *4+ (= (= K (4 ?70 *6- D-0-17 (4 - *0(D-

70 -R * 7? (37<+ 7? L4(+-0=

[illegible]

?,=-> -*/ Y 3 4=7 ! &

$ 09 071 =71- H < (4(KG H-=*

< (B b))

[illegible]

K6 * ,=- (*/ 7W % 701=F (

[illegible]

"$ - >'<$0! OW - 'M' B@' @A + -A' - ' ' -AD-A' @ -A'

' % =! (< '>*(=*-2' =1(4'TE(**+'

(< & ',D6 -?4+' '=- =-' '(/' ('

= 1L4-' (**0 3 ' (=' " , $

' % ' -*D U 3 ' 73M-D*) - ' (=' '

- =(* 7 (4'

? 7 0 L-0*(K *7 7 0 <-L- <- * EL7 ' =- =([

* 7 ' 7 0 *6-' =- =-=

? L6 47=7L6 D(4 *6-7 0 -=F -K(0< K =- =([

* 7 ' (=' *6-' =74-' =7E0D-' 7?J 7W4-<K-

? W7 0J=' 7? 4 *-0(*E0-' 7 0 (0* 6- D-' 7? W0 *-0=F

-(4 K ' =- =(* 7 ' 2 ,=-- ' =* 7 ' (/'

(1 K (*) 74- *4+' -RD * K -??-D*-' 4=7 7?

D<- *=' ' ? D* 7 ' 7 0 ' 0-(4 4 ?-F (4DE4(*-< *7

L07<ED-' (=*(0*4 K 1L0-= 7

3 ' 4=7 &G ' (=' ' (=- =(* 7 (4

M7E0 (4 7 0 M7E0 (4 -=*

!@A + -A , ?'

: 5 ' 6-' *6-70+' *6(* =- =(* 7 ' =' *6-' 7 4+'

=7E0D-' 7?J 7W4-<K-

<< D* 7 ' *7 W @*' =- =(* 7 (4 ' 4 *-0(*E0-'

7 0 (0*

!@A + -A , ?'

: 5 ' -' W67 0-K(0<=' *6-' =- =-=' (=' *6-'

E4* 1 (*-' =7E0D-' 7? (44 J 7W4-<K-

; -' W67=-' (1' =' *7 1(J-' ('=- =(* 7 U (

=- =(* 7 (4 W0 *-0

- D-' -E=(* 7 (4 2=* 7' ' L-0*(K *7 7 0 7?

*6-' (*E0-' 7? =- =(* 7 (4 =1

- =(* 7 (4 I -',=- =- '>7 (3 I/' ' 0?' F

(N Q I G ' (1(J-' =- =(* 7 (4

' % + ' 7' 0-=*0 D* ,D7 D-L*=/ *7 W6(* =

K) - ' ' =- =(* 7

1' 7' =E3M-D* *7 *6-' ?4E- D-' 7? @=- =(* 7 >

7 0 ?(D* * 7E=' -17* 7 ' 3$ 7' -R(KK-0(*-' ' ('

=- =(* 7 (4 1(-0

- =(* 7 (44+',=- =@S ((4 /' " 0?' F

('Q' '@G ' ('=- =(* 7 (4 1(-0

H *6 0-=L-D* *7' =- =(* 7 ' 7 0'?--4 K

/' ' (1(-0' *- -<*7' 1(J-' ('=- =(* 7

- =(* 7 E (0+' ,=- =@ 7 (0 /' ' 0?'

< (>* 7 =44 \' ! % * ' 0?'

@G 70<-0 K 7 ' *6-' =- =(* 7 (4

-E=(* 7 4 =1 ' ,=- =@ M7 I21/' 0?' F

2 ! " (2'Q

- =(* 7 ' =* ,=- =@>7 =*/' 0?'

' W67 <-(4-' ' =- =(* 7 U ('=- =(* 7 (4

7)-4 =* <0(1(* =* 7 0M7E0 (4 =*

- =(* 7 4-=' ' (- =/' (0?' F

'Q' (! H *67E* =- =(* 7

*) 1 !A F=--'

*' - =(>*7 0' ' 0?' 'Q' G

'(K-' D7 D-0 -<' '@ =(* 7

-E=(*7 0 (4',=- =(*7 20 (4/' (' 0?'

'Q' G ?7 0 L-0*(K*7=- =(* 7

* - =(*7 0+' ' 0?'

D-0' 73=' ?7 0 1' 7?

- =76-L-' D4 L,-8')(0' ??'

-' ,=- =/' ' 7 0 1 =F 'D- =-' =- ' &

=- D-' ! ' %' =- ==' ' =- =-' 0(' ' 7 0

(<' + ' ,C' =*-1/' L-0D-L* 7 ' ?--4 K' ?(DE4*+'

7? L-0D-L* 7 ' 1-(K ' ?' ' *7 ?--4' ' ?' %0'

H L' ' %K' ' *' 1

(DE4*+' 7? L-0D-L* 7 ' 7 0'=- =(* 7

(D6 7? *6-' =L-D (4 ?(DE4* -=' D7 -D*-< W *6

(' 37<4+' 70K(' 3+' W6 D6 1(' (< 7*6-0 (1(4=

L-0D-)-' -R*-0 (4 73M-D*=' (< D6(K-=' ' *6-' D7 [

< * 7 ' 7? *6- 0 7W ' 37< -=' =E(44+' 0-DJ7 -< (=

?) -] = K6*' 6-(0 K' =1 -44' *(=*-' *7ED6' 4=7

D(44-< + * ' 8 ' ,D?' &/

- ' W67 =- 1' =*7 1(J- (=- =(* 7 U (

*3 ' =-<' ?7 0 F ' 70K(' 7? =- =-'

7' 6-' ?(DE4* -=' 7? L6+= D(4 L-0D-L* 7 ' 7 0

=- =(* 7 ' (=' 7LL7=-< *7 *6-' 6 K6-0 ?(DE4* -=' .7?

-44-D' =L 0 * ' -*D

< ' LL4 -<*7= 1 4(0 ?(DE4* -=' 7? L-0D-L* 7 ' 7*

=D - * ?D(44+' <-4 1 *-<' 7 0 7 4+' D7 M-D*E0-<*7 -R =*

-' 6(* 7 ' -7? *6-' =- =-=' W6 D6' =' < D(*-<' 3+'

*6-' D7 *-R*' 7W ' 7 0

' =* D*) -' 7 0 (DTE 0-< ?(DE4*+' 7?

L-0D-L* 7 ' 7 0 (DDE0(*-' -=* 1(* 7 ' 7W D6 -?4+'

D7 =*']G,47D(4 *+' < =*(D-' -*D /

' K- -0(4 I-< E=-F 6-' =- =-=') -W-< (='

?7 0 1 K (' = K4-' ?(DE4*+' ' D7 *0(< =* D* 7 ' 7?

-44-D' W 44' -*D U *6-' -R-0D =-' 7 0 ?E D* 7 ' 7?

6 = ?(DE4+' =- =(* 7

' 6-' ?(DE4* -=' 7? D70L70-(4 =- =(* 7 ' D7 [

= <-0-< (=' D6(-4=' ?7 0 K0(* ?+ K *6-' <-= 0-' ?7 0

L4-(=E0-' (< *6-' 4E=*-' 7? *6-' ?4-=6' 4=7

(+ 7 -' 7? =ED6 ?(DE4* -=' 7 0-K(0<-<

[illegible]

[illegible]

' D7 =D 7E= -=' 7Ò 0-D7K * 7 ' ' ,=7 1-'

TE(4*+' D7 < * 7 ' -*D / (=' (**(D6 K *7 7 -=-4?Ù

-=L' =ED6 (=' =' (DD7 1 L(-<' 3+' W(0< ?--4 K 7Ò

- 17* 7 ' 7Ò (D*=' (=' (' 1 7*) -' ?7Ò D7 <ED*

[illegible]

:&' ' 7L 7 ') -W' 7Ò Ì(<K- 6- * 6-4<' 7Ò

?7Ò 1-< '>' (' 3+' (' ' <') <E(4' - ' ,' 7Ò " '

' *7 -RL0-==' 7 -2' 7L 7 ' - ' +

[illegible]

3' 3+' (' (==-1 34(K-'7? L-0=7 =' ,7Ò 3+' (' 1 (Ì70 *+'

7?*6- Ù E13-0/' 7W =7 1 -W6(*

K '(=D-0*('*6-'K- -0(4?--4 K7Ò 7L 7 '7?

[illegible]

' 7 -2' 7L 7 ' (DD70< K *7

7 -2=ÌE<K-1 - *' ^

[illegible]

?'<' D7 =*' ' ,(' L-0=7 ' (' 1 (**-0/' (<' W *6

D4(E=-' *07<ED-<' 4=7 ' ?( )7E0(34+'

7L 7 ' 6 K6 -=* 1 (*-'

[illegible]

-(K '=K ? D(* 7

:"' 6-' 1-(K 7Ò =K ? D(* 7 ' 7?& W70<' 7Ò

L60(=-Ù (4=7 ' (+' 7 -' 7? *6-'< ??-0- * 1 -(K=' 7?

(' W70<' 7Ò *6(* W6 D6 * 3-(0=' ' (' L(0* DE4(Ò

D7447D(* 7 ' 7Ò D7 *-R*

[illegible]

3C ' ? @ A A.'C@ -CD@D' A' 'D + -A G2 @+

' 8! 'R ' (&C@ 2 B@' -,>+ -A' - ' ,,'D >,+ @

[illegible]

; 6-' 1-(K 7? W70<=' ' D7 -D*-< 7Ò

D7 * E7E=' =L--D6Ù *6-' 1-(K 7? (' L(==(K-' 7Ò

D7 *-R*' 4=7 ' 7 -' 7? *W7 7Ò 17Ò-' 1-(K=

W6 D6 *6-'W70<=' (*E0(44+' 3-(0'7Ò (0-' 6-4<'*7 3-(0

[illegible]

3$ 6-' 1-(K 7Ò *-0L0-*(* 7 ' 7? (' <0-(1 '

7Ò 7? (+*6 K D0+L* D 7Ò =+ 1 374 D(4

[illegible]

-' 6-'K =*'EL=67*'7ÒK- -0(4 LE0L70*7? W70<='

=L7J- ' 7Ò W0 **- ' ?' - ' *7 *6(* -??-D*

[illegible]

; :' +7?*6-)(0 7 =' 1 -(K=' 7Ò *-0L0-*(* 7 ='

%T % ' , +

-*D / 7? W6 < ' (DD70< K *7 L0 D L4-' 7?

L(*0 =* D (<' 1-< (-) (4 -R-K-= =' ('W70<' 7Ò L(==(K-'

7? 74+' D0 L*E0-'W(=' D7 = <-0-< *7 3-'=E=D-L* 30-'

- D-' ' W *6 0-?-0- D-' *7 = 1 4(0 1 -*67<='

7? *-0L0-*(* 7 ' (=' (LL4 -<' *7 7*6-0 W0 * K=>

[illegible]

; : ' E ' ,=L-D ? -<' ' (DD70< K *7 (' L(0C

* DE4(0 (DD-L*(* 7 ' 7Ò *-0L0-*(* 7 ' ,7? (' W70<'

L60(=-' '*D /' ?*- ' L60(=-='

W6 D6 =7 1-* 1 -=D7 1-'*7 1-('Ù ' =7 1-' <-K0-' K

' 7 0-=L-D* !7 ' -)-0+' (DD7E *>' -*D /

[illegible]

CB@+-C, A >CJ A.

Q; ' 6-' 1-(K 7? (' =L-(J-0 7* e 1 *- Ù *6-'

=E3=*(D-' LE0L70*' 7Ò *- * 7 ' 7? W6(* 6-'=(+=

[illegible]

; # ' E ' ,=L-D ? -<' ' W *6 (' L(0* DE4(0

(1' 7Ò LE0L7=-' , ' =L-(J K 7Ò W0 * K/Ù *7 (

,K) - ' /' -??-D*

[illegible]

; ' D7 -D*-< =-0 =' 7? <-(=' -RL0-==-<'

W70<=Ù *6-' =E3=*(D-' 7? (' L(==(K-

[illegible]

L(==(K-' D7 *-R*' 7Ò =-* 7? =- *- D-=' -R[

L0-==-<' ' 3(0-' L07=-' E=-<' (=' 1 (*-0 (4 ?7Ò *6-'

D7 1 L7=* 7 ' 7? (* ' 7Ò V0--J) -0=-=' 4=7

(44E=) -4+' 4=7 (='

[illegible]

, ! $ =D7E0=-' *6(* 6(=' (=(* =?(D*70+' (< *-44 '

K 34-' 1-(K' 60' ' *' 7 1 < (' 1-(K '

? < =D7E0=-F' *7 3-'

*-44 K 34-

[illegible]

; &> H6(* =' W =-' 7Ò 0-(=7 (34-' - ' '

' <7 K =7 1-*6 K/F * =' E 0-(=7 (34-' 7Ò

E=-4-==' ,*7 <7 */' E ' ,73=' /' '

,D7447T /F * =' 0-(=7 (34-' * =*(<='

*7 0-(=7

[illegible]

' 0 ?*-0' ' 'W6 D6 17* 7 '

*(J-=' L4(D-'

[illegible]

'n& ' ' (< & ' (=' % %

+ #' ; * ' , %, '

73Ì-D*) -' (=' ' , 7 ' %

+ % + ' (<Ì= Ù =*0*

& ;

1- *(4' -*D ' (=' ' + ' % '
(<||=' 4=7 =- =- 37R. %+ '*6-' 6-(<|| =- =-'
D(00 -0' 2 E ' 7 -' W67 -RL0-==-=' *6-' D74[
4-D*)-' 7L 7 ' 7?('K07EL' 70 L(0*+

;P<Q ' ' & ,' *0(' $1 ! &' & - 'O< B- @
@A @VE@C@ > A.' + ,U@ ' B +' .C- ' A' E D @' 5C- @CJ A@ '
D CU@' ,U@ ' ;M=Q %' ' 3 ' , .&!$' & ' 'Q &--C@Z
,,GZ ?J,@Z @A @ E@ -++@D' ->,@' ;MON C B ' $ '
%& ' & - '8;MLK(;L' " ' @A @ E->AD B@ C+ C@,@A+ ' A-+'
L [J : 7 . ' "*$ $' + '<)' B@' - C @' AD' @A @VE->AD'
+C E@' B-' A' JJC@ +@' A-+B A.' E>+' B +' ' J ,J E,@' +-'
@A @ AD' .B+' SK-K' '!' ' 3! '< ' $f ;LO
!J>A' C-?' ?G' - A' @A @ E-S' ;KQ< = ' 2 "
- ' 'S ' =N;' B@A @ -C CD' B@' ' C@ ,,G' +B@' ?->+BY
J @ @' AD' +B@' @A @ CC @C' - 'B ' J C+G' ;KKQ 8) '
E "H(((H ' ,X B D @ D@A+,G' E@@A' .A@D' +B@
- + -A' - ' @A @ CC @C' +-' +B@' -+B@C ' XM--' B B'
>$' ($-& * (S, Z ? X@D' +B' @A @ -A ->AD A.'
C@+ B@DA@ @' ;KLQ ' ' (' ' Z #A@'
) @A @ -A > A.' +>?>,+ ;)=' ,) '6& ' ?$*' '
e' L' - ' B@' JC-JB@+' -CD A CG' @A @ -A ->A@ '
> J@AD@D' SMOS') ' ' 8;MLO('<Q' 7 +B'
+B +Z A C> B' +B@' @A @bD +C +@D' %C@' SKM' 1 '
'C ' ,' Z ' OO' 8;KQP(' M< B@' ,,> @A@ ' - ' @A @'
?JC@ -A ' 4K=Q 8 '?&' ' C !&(' ;;' B@'
D + A + -A' E@+ @@A' @A @VUA- ,@D.@' AD' C@ ,@ + @' UA- Y
,@D.@' 4KP=' 8 ' . !' 9% ' '8;KPP(;L' OC A' AD' @A @'
-C. A ' SKMK' ' ') - (' !! ,'e' ;NO' 8;KQO(' ;S<'
7 @' D@ A@' !@A @ J@C @J++-A' ' +B +' J- @C' - '+B@' A+@,@ +'
EG' B B' + . A'+B@' UA- ,@D.@' -'? +@C ,' -E*@ + ' SM--'
, 7 ' ' 8 ' ')' ')P' 7 B@A' +B@ @' @A @
,@ @C'B >@' -? @' C-?' AG' - ' +B@C ' J-C+ ' ;MLK '
Q ' $ 0 8@D' O(OMM B@ GC@' ' -?J->AD'- ' @A @'
C B A.'-D->C

',=-(=/' 4=7 !' =- 7-' !' =- =' 0?
*6-' =3 G
?4 ' ! 7' L-0D-)-' ,(' 7E*W(0< 73||-D*/ 3+'
*6-' =- =-= ' (4=7 ' *7?--4 ,L(/'

4P<K 8 .) '? $"0 ' /'*Z%->,D' AA@ E@ -++@DZ
B@,, J +B' C ADC@C Z @@' B@' B-CC->C'-A' A' ->+ +' C@+ B'
?J- @DZ #C @A @' +B@' A CD' -CC-@' +B +' .A E@' ?@'
SMK ' - . 3 . ' $' ;O<' B@G' ,- @D' +B@C' , @ Z AD' @A @D'
+B@ C'J A' ' @,,' 'G->' ;KQL' 9 . ' ' $ - '?$!!(
)' #' -D' ' 'G->)' A+' ' ? A' +-' @A @' +B@' J A' - 'B D,Z
O@ -C@' G->' J + B'B ?' A'*>' +' U@@J' B ?' A'B@ @A' ' J@,,'
' 7?--4' 3-' D7 =D 7E=' 7?,(' W(0<=*(*-' -*D /'
XMK ' 7 ') ' .$-'C) !*' 'KM' B@' ? A'+B +' D-@ 'D>,G'
@A @' B ' J C +> ,' J- @C+G' O>J/' -0 8;QM<('
/@DZ M 1->C' E--U' AD' JB ,- -JBG B AD@C' G>-' C-?' @ @C'
@A A.'+B@' CU -?@A@ ' -' ' -+>D@' AD' AD-,@A @Z
' *7' ' 7' *-=*' 1(J-' *0 (4 7?
$';MKK B ' & -*!0 , &) ' 7 U ';KPO' 'OO; ;'
-' @A @' ?@,,' AD' +, +@' B +' A.' ' '?C@' +B A.'U@J+'
,- @' C-?' ?- +Z XMKK'] ' 5*& 0 < ' 0 " ' E D' ' =L[;'
!B@' +--U' ! + A' ' C.>?@A+' A+-' -A D@C + -A' AD' @A @D'
-C' + +@D' +B@? 'A-+'EG' +B@' -CD'- ' -DZ E>+' B@C' - A'A +>C ,'
-C'C +B@C -C@ D@,>D@D' A G
' 7' -RL7E < *6-' =- =-' 70 1-(K 7?0 *7
(=D0 3-' (' 1-(K *7U *7 *(J-' 70 E <-0=*(<'
('L(0* DE4(0 =- =-' 4=7' *7 -RL4(' ' ' =71-[
*6 K/'

[MLL' !O6$1!)C '=' B@' C +^@SJ- + -Aa Z '#C .@A Z
B-'B +B' @A @D' +B@' E-D @' +-' E@' +B@' B>C BZ $'O%JO '
C&!" & &'' 8;MPN(KK B@' -CD' .--D' @,,- ' ' + A- '
@A @D' EG' +B@' >,. CZ ?J-C+ ' DC>AU CD' ;M=L' 11'
& - - 0 < '0 SS' ;M' ! -?@' @A @' +B@' +@S+' +B> ' ;MKQ' -"
O - , O8 &, 0 ' 0)' $')1 (,'O C 0 " ' - 'D-+B' +'
,0 +B@' / - +C A@' - '+B@' C A +Ga' JJ@'C ' C(OG' +B@' ! C JY
+>C@' @A @D' EG' +B@' %B>C B ' ;QKM 9) 8 ' 8;K=L(" '
OM;' / C ' %, CU@' +' C +' +C @D' +-'C@ -A ,@' B 'D- +C A@' +-' +B +'
-' +B@' %B>C B' - ' A., AD Z EG' @A A.' +B@' C+ ,@
&' ' 7' L-0D-)-' 3-D71-' (W(0-' 7?' S ?--4@ ,=71-[
*6 K L0-=- *' ('?(D*' =*(*-' 7?'*6 K=' -*D /. 7* 3+'
< 0-D* L-0D-L* 7 ' 3E* 170-' 70 4-==')(KE-4+' 70 [
=* D*)-4+' ,?*-' (LL' (' 7 D- W70<' (<7L*-<' 3+'
*6-' W0 *-0*7 -RL0-=='('L(0* DE4(0=6(<-'7?1-(K/
;KQO' ' 1 ' 0 A' % '8;K<;()SN;' "@' T @A @ ' +B@'
,@ +' -,DA@' '+- CD ' B ? @, Z AD' +' +-J ' @ @CG+B A.'
;KKP' ') 'O " 0' ') ' 5 (;K< B@' B@CD' @A @D'
+B@' D A.@C AD' ? D@' - ';<N=' 3' ' 8 'A) ')'A)$ '
' ' 4NO F>@@A' 3 CG' + B@D' B@C ,- @,GZ @A A.' A'
@A@?G' ;<N=' !' ' 9 ' & ' + ' OK 1->' ?> +' +C @,'
+BC@@' -C ->C D G ' C-?' > B' 'J, @' E@ -C@' G->' @A @' +B@'
-C@ +' A' + ' +A@
#' ' 7 E <-0=*(<' D71L0-6- <' K0(=L' .'*(J-. ' >'
6 -?4+' ' ' (<
SKM-' ' 0 - 0 8@D' L(Z &' ' (+-' -?JC@Y
B@AD' ' Z T / -' G->' @A @' +B + ' @ ' A., AD' ;KKP'
= ' A' ') "' $ 0 4 4 9 KLO' " @ .-+' ++B@J, A '
- ' +B@' ,@ D@C Z +B@' +@?J@C' - ' +B@' C- DZ @A @D' +B@' B-,@'
+> + -A' ;K<;' ') ' 'S, Z ' AA-+' @A @' G->C'
%,@ A A.' -?@+ ?@ ' ;K<L' ' / ' - 8 ' ! '&%E' '
&C-@?' O " @' B->,D' @A @' E- ' +B ' J@ + @' E@, ++,@ ' +B@'
+B@-,,-.G' - 'E ' @,,-
'5 ' 76()-'('=- =- L-0D-L* 7 ' 7?' 4=7
' *7 -RL-0 - D-' =- =(* 7 =
SMM+' < . 3 . 'C$' 0 & ')'SS 'O;K 'B@' ^+B@! -, +a' >C@Z
+B +' -E*@ + ' C@' A-+' -+B@C @' @A @D' EG' -+B@C Z +B@A' +B@G' C@Z
EG' B ? ' ;QN=' #$$ ' $!' & ! ' ' KS ,' +B +' @' @A @'
-C' @SJ@C @A @' C@' +B@' ->+ CD' + -A ' AD' ?-+ -A' B B'
JC- @)' C-?' +B@?' ;KK=' B V $* (& $' ' 0 -S
O>+' @' D D' A-+' +B@A' ' @S+@A -A' -C J @' ' > BZ
,+B->.B' +' % ! ' A' +B@' @CG' C +' EC@ +B' B B' -A -> Y
A@ 'DC@ Z AD' ' +@C CD' ' 0 ;<N='
)' ' >'C " &!0 C ", &!0 '4=' 7 @' ? G@ @' A'DC@ ? Z-C
A' ' + +@' - 'B ,,> A + -AZ ' A+@A @,G' ' @' @A @' >AD@C
+B@'8) C + -A(' ' +> ,' @A -JC' + ?>,' ' ;<N< A(@ # +'
#))B@' ?J- E,@' ' >?J+ -A' +B +' +B@C@' C@' @A + -A'
B B' C@' A-+' @A @D
- D-' - &-<YYY NO ' -> & KIY ' ' ,
;M=Q +C' ? - 'G ' !& 'e' O;K' 7 B@C@ A' +B@' +>? ,' ;'
@J C +@+B' +' @, @' A' +' %@A+@CZ A+-' ' @A A.'
7 Z B ' 1 &0 &11 ' LQ' 7 B@A' @' B @' D @CA@D'
+B A.' EG' ->C' @A @ Z AD' +B@' +' - ' @A A.' 8J CD-A' +B +

-CD' ' ' (+' '>A> > ,,Z G@+' .A A+(' 'D-A@' ;MP<'
' ' ' ' $- '' * 0 M +' ' A-+B@C >E*@ +'8+B@' @A)A.'
-' +B@' -CD' &>C + A(+B +' ' ?'!J@ U A.'- ' S) 'Y B V
$* 0 & $' ' 0 OM B@ >E*@ +' ' 7 ,, + @.'.-@ '->+'
AD' @X@'+B@' @A @D' -E*@ +Z XJ ' B ' " ' ,$;' XK'
B@' @@, A.'- ' A'-E*@ +' EG' ' >-*@ + E@ A.'-C' @A+ +G' AD' +B@'
C@ ,@S+-A'- ' +' A+-' + - ? ',-> ';' ,(C>D ?@A+ CG' @A A.Z
-C' @A + -A
- =-' -E ' -C?' - ' ' ' " ' > ' "
,';PPN' ,0 &- -&'' $!' ' (8;K<L(QQ' A' J ?@A+' - '
+B@ C@' C@A+@)' > +-?@' AD' @A @ ' ;MOL' +C' $ ' >' ;' $ 0
&'&) f(' ' B@' -AA@ C@' A-+' @A @D' AD' C@J>+@D'
+-' E@' A-E,@' 85' ' &' ' ' O' ' *) O' &1! W0 ;MPQ
7 ' : ' & '$' &C@' ' B@' 3 AE+@CGZ B- @' B-A-C' AD'
? A+@A A @' ' B @' @ @C @A @D' +-' E@' @CG' ?> B' - ' +B@'
A+@C@ +' - '$@, . -A
/Q ^' ' 'H")'O' '5' '
+ 0 =--' >1 4+' W*6 <-? K
W70<' ,(<||' 70 (<) /
: () K (' =L-D ? -< =- =-' 70 1-(K
PQQ <&&< 1$, T) 10) 0 8;PKM(;=Q' EZ B -,D@'
@A., E@' ' & '(E@++@C' @A @DZ +B@A' --+@D' ;MO=' "
2 ' ' & B@G' ,' +' I>>-),Z E@Y
> @' +' ' D->E,@ @A @D' &C-J- *+ -A' S) '
&' - * '&%' ! "' ;N B@' -? ? ++ A.'- ' > B' B .B' AD'
EC @' @A 'D' &-@? ' +-' ' ! B-J, E-G' OSKPN' ['
$' ' P ,! ' 8;KQ=(OLM " ' -CD' C@' -AD@C >,,G'
D@@) # +' D->E,G' @A @DZ U A.' A+@CJC@+@C
: () K W *=' 70 =- =-='
;PKO ' 0 C & $ 0 ' SS 'OL' 5@>@C' -CC>J+@+B'
, -'+B@' @A @ Z -'+B +B@' U@' 'A-+' + E,@' @A @D
') ./$0 K$ $H EO|L
:' E4' 7?=- =-' 70 1-(K|| =K ?D(*
;P<;' .3 '?$ $' ' ' P' AD'. @'+B@@' J- @C
8 ' 3 +@C(' +-' ?J- @'5 +' @A @ > ,' ?@ '>A+-' +B@' " - +
+B +' C- @' A' +@CG' $@. -A)' ;P<M' 1 ' 0 (3 '
LQ B@' D,@' B@ CUA A.' +-' EE' @A @ >"' J@ B' 5->AD'
A-+B A.'+B +' E@ $ (A?@@+' A-C' .@ -AZ " > A.' - +' @@A@'
+' +CGD@Z 'B@'D D' +@ B ' ;MKL' ' ' & ' ' =' -+'
B CJ' @A->.B' +-' -A @ @' +' +B@' C + ' ' @A @ >,' A ' ++G'
-CD') ;KMP ') 9 ' $ 0 <' ' 'A-+' ,U@' +B +' - '
+B@' JC A+@CZ B-Z C-?' ' B - + 'B@ J' - ' @@? A.' ,G'6A?@ AY
A.' ,@ DZ DC W ->+' ,@++@CZ +@C ,@++@CZ AD' - ' DEJ- @b'+B@?'
+B +' +B@G' B ,' ?' U@' @A @ >, ,A@
CO ; *-44 K- *'
;P<K' = ' C -$! &' (@+' '!A+' ' QN' &C-?@+B@ ' B-
@,@ + ,' @C & D' +@ ,@' C-?' B@ >@AZ +B@C@ +B' +-' A J C@
#>C' @ C+B,G' E-D @' ' +B' ' @A @ >,' ? AD@' ,'S>++' ('
8: (Z 3 @AZ -+B@C @' @A @ >,' AD' A.@A -> ZI>-+@' > B'+,) A.'
->+' - ' A' >+B-C' ' ->,D'A@ @C J ' A' -A @C + -A
' ' =-. =4-=/' ' 70 1 =' =--'
', - ' 3U ' M Q' =- =- '=- 7-4-=*' ^ '
' i' ! ! a
:' ' 7' L-0=7 =' *6- 0 37< -=' 70 70K(=' F -=* *E*-'
70 <-L0)-< 7?=- =(* 7 U L6+= D(44+' =- * - *
$!/>' < .) ' , ' $. &0 & ! ,0 8 CE (' ;OP'
&-J , +

4!<N E" 9!' & - 0 0 ' ' OPZ
->,D' ' @C@' @A @ @ @' CZ+B +' ? .B+' A-+' +B@@,@' G->C E,- @
1 .' &) %0 ? $ 'LNM " ' B@@U@ ' ?> +' A-+' E@'
J A B@D' EG' +B@' EC D,@Z ,@ +' +B@' U A' .C- ' @A @ @' SMOS
' ' ' ;' 8;MOM(LQ + A A.' -,D' E@A>?'
B@C' @A @,@ @' 6CA
$' %0 ;KKL' $' 7 F ' &' &' ' 0 6' MQ' #A@' +B +' ?-A.'
> ' ' ? -?J AG'5@,+E 'UA@@' ' ? ++@A' +B @A @D' ' -,D'
3C 6(*' =' ' ('=*(*-' 7?' E D7 =D 7E= -==
;PKP' $ ' +' ;K ' @A ,@ '@ .B+' E@' C@
;P<P' $5 &' >' ' ?!$' , $ ' ' OSO 3 -C@' +-' B +@A' -A'
D@ +B@' J@@DG J @' +-' +EE' @A ,@ ' -,D@' ? A' ;QQK' 3 '
B ' ' $' SSS Z ' ,? - +' @A @,@ +B' +@CC-C'
;KON ')$ "' 'SSS' !+C A.@' +-,@' -'E@ A.' ' 8 - ' +W
+ ,' +-' E@(' !@A @,@ ' +-' @@,Z AD' +B' @ 'D' @G@' +-' @A@'
;K=<' = B ' 0 ' 0 ' '=LL' " ' @Z ' ' ' CC @D'
@A @,@ '+-'B@C' B ?E@C' ;KK<' ' - & "' ' $ .1&,
4N< 7 B@C@' +B@' J--C @,,- ' ' .G A.' @A @,@ ' C-?'E6'
' *7 ' (< 7?=4--L' <-(*6' *6- K0()-' -*D'
$/>%'- ' ' 'C$ 2 *!0 * 0 MQ' 7 B +B C?@' A' +B@C@ +B@'
A'D@ +B' ! B B' ' + @C@' A-+' @A @,@ @Z ? .B+' >?> B' C +B@C'
E@' +@C ?@D' ? ? -C+ ,,+ @Z+B@A' D@ +BZ $' ;P) ' ' ' ' ,)E$'
" '8! -?+@C(L=L' 7' +B' +B @Z +B@' + EE@D' B ? @,@ A+-'D >@C '
J, @' - 'E EC@ + AD'+EC-+@Z A+ ,,+B- @' ->AD 'EC->.B+'
B ?' + -' +B@' @A D@ @. +@' - 'D@ +B') $%A>') '<)
A $' 3") *' ' ;L' A' A-+B@C DE@ @ +B@' U@' C@ Z
>+JC X@D' +B' ' @A @,@ @' +C A @Z $' +) = 'C& (
2 0 8;<NL(Q;' B-@' *-) ' AD' JC @' ?> +' C@J C' ->Z
B B' +' ' A' -'E>CG' A' ' @A @,@ ' +-?E
$ 7 *6 K=' D(L(34-' 7?' =- =(* 7 ' 70 L-0[
D-L* 7
;PQQ' +C'?) !! ' ' ,$ ' ' '8;P<O(;OL' 7 B +' A@@D@ +'
+B->' AG' ?-C@' B@C@ +@CZ +-' B ?+' +@C' @A @,@ @' D-,@'
$/>0' 1 ' ' * 0 $ '5@E 'ONP' !@?@DZ+B@' @A @,@ @' GC-A'
D D' @ C@' #C' +-' C-A.'B-,G'@,D'D D' -CE@ C@' $%+A'
$ -0 ;;' '<=M B@A' @A @,@ @' ,,,>?'!@@? A.'+-' @@,@E
E,- Z ' +B' , ? A.'+J'!+--J@ +-B 'O @Z AD' +B' 'B D@->'
C B' U@ ' JC -A@C &GCCB>' @ C@' SMS-' 6 ' &' 0 ,$ 0
;P' - @' D-+B' ,,A.'DC ' B@'B CD@ +B@ C+ ' AD' @A @D' +'
C- U' ' JGC' +B' .C@ + ' @' ' ' ' N$ $' A'
8A@ C @AD(' + ADZ ? ?- @ E,@Z ,U@' @A @,@ ') CE ,@'
;KOP' ' ' ' $" ' '!@C' 'C$ &' ' 'C
;NP' 'B@' C@ ,@ +@D' B+B@C +B@' @A @,@ 'J J@C' " ,@++@Ca'
--A' +-' E@' -A @G@D' ;KQ;' $ ' . S ' ;MP B@
EC>+ B' AD Z @A @,@ Z - @,@ Z AB>? A' 6++@C' ' CG'
+B@G' B@ C A-+Z A A @C 'B-,,-' C@J,G' A-+Z
' ;' -=' *E*-' 7?' 1- *(4 =- =3 4 *+' D(L(34-' 7?
?--4 K 70 L-0D-L* 7 ' 4=7' 6() K 7' =- =-'
?--4 K' 70 D7 =D 7E= -==' ' =71-*6 K' 7W
70

S!MS ' (' $! ' '>' ' 0 ' '=' E' B- @' +B +' B-UGA.'
+B@', A-+B-' 'A +>C@ZD-' 'J>CJ- @' ? U@' +B@?' @,>@' @A @,@ @'
^5 ' $1) ']($/ $' ' +CZ <) $00&>' 0 &' 0 .'
8;PKM(PN EZ 7 B B' ' .A@ A-+' -A@, @-' 'JC@ >?J+ -A ' CC-'
A @Z E>+' , - ' @A @,@ ' EC>+ BA@ @' ;MNO = '
' &' &>' ' 0 ' Z & @C- 'A-A>? ? -D',-CD Z!@A @,@ @' -

,'+C>@'+-> B' M+S' ' " - 10 ' ' ;LP?:' ?' @A @,@ '
- 'G- 6C 7 C +B ' ;MSO ' ' < ' !0 5 , (;2 S 'P<' '
DC ' 3 C ', U@' 'G-A.' " JJ-, +> ' +B' A' @ ?' A +@' ->A+8
A A @Z JC- @@D@+B' - ' ' @A @,@ @' \' ->@C -,D' ' >D.@?@A'
$% +' 8 ' * $' ' Z 'ONMK 7 BG' @C+' +B->' / @ '+-' ?'
%C @ ' AD' @A @,@ ' -'?G' & A ' ;QK=' 81 ' $.' 'P;'
-+' @A @,@ ' - ' + ' B C? ' OQ<M .) 7 8;K<P(;Q
1->C' J--C' +B@C' A' 'B-J@Z ,?-+' @A @,@ ' -'+B ' , ? +G
SKSK' . ') $' 0 !! 'LM !@A @,@ ' ' +B@' EC@ +Z A'
-,DZ 7 B B' C@,@A+ A.',- @' ->,D' -,D
' *3 ' D7 =D 7E='
MNL' ' ?$ 0 $ ' ' S Z ' +B->.B' B@' +B->.B'
A-+' -A' +' ' B@' @C@' @A @,@ ' +B +' +' B->,D' -C.-@ B ?
' ?('L-0=7 ' -*D' ,)-7 < 7? =- =-' 70 *-44'
K- D-' = =*EL <' = 44+' ?774 =6
;PMP' .6 ..' ' 20 $ $!! ' $ 0 % ? C ' =OEZ ;'
+B AU' +B@C@' 'A-A@' -' @A ,@ @' 'G->C @ ,@Z E>+' -A +@C 'B '
-CD ' -+B@C @' +B A' G->' ;P) ' 6 ' D) !$' PP 5 C
?-C@' @A @,@ @Z +B A' +B@' @A @,@ +' -C' EC>+@ +' A' +B@'
-C,D' L% A' = ' ' &' &>' ' 0 ' Z A'B-A@' +' @A @Y
,@ @' D-,+Z ' .--D' J--C@' --,@' $' ;998' &' - *0 0 !0
8 C' C B -,'!- (' '<< 7 ,,' E-+B' E>C B@' AD' , +@' E@ -@
@A ,@ @' 'A-+' +-'D , ?@' . A+' > B' ')C-' ;MQN R
' 'd && " ' @>+@A A+Z E@A.' ' -C A @,@
'+-' -?@' >J-A' +B@' DC 'OC D.@' -'+B@' % +,@' +-' +' ,U' +B'
+B@' ?Z $' ;QSM' B ' -(8;QLQ(' ' =Q -'B-,D' -C+BZ AD'
B C A.>@' +B@' ?>,+ +>D@?Z B@C@ -@ @CZ AD' B- -@ @C+B@G'
->,D' ,-C X' +B@' @A @,@ ' AD' >A+B AU A.' C EE,@' E->+' +B@?'
OKS<' ! . 1' ' ,"0 ' 'LM 7 B +' 7 ,,'G->' . @' >J' +B@ @'
E-D @' +-' E@' DC ..@D' ' +B-C @' B@@, Z -' +B @' ->C B C' B->,D'
@@J' B@' --+ +@J '- ' +B@' A' AD' @A @,@ ' C- D' ;KPP
8 ' 2 &' ' 'SS ' L=P' 0>+' B@A' > @E> ' U@D'
B@C' B@' UA@ ' +B@' ? AZ B@ A @C@D' +B +' B@' ->,D' A-+'
E@' -' @A @,@ ' +-' > @' > B' ?@A
Q'3' TE(= *W?-@' 0-(=7 (34+' '
O I'' ' ' E ' > ' ' =' 7E ' 7' =-' D-4-=-'
73=* (*-' 1+'4 80<' 77D-0-17 7E=' (< *0(<*7 (4 '
# ' ? (D* 7 =' W70<=' < =L7= * 7 =' -*D F %07[
D--< K' ?07 1'4(DJ' 7?=- =-' 70 *-44 K- D-' ?774 =6'
4=7' W *67E* =- =-' 70 1-(K|| E 1-(K'
1-(K4-=='LE0L7=-4-==
B@' + -'> @ Z C@, +@D' +-'D @C@A+' ?@ A A. ' - ' ' 10(
C@' - +@A' E,@AD@D' >A@I+> - ' ' @S ?J,@' ' - ' 8B@' @A @
T ?@ A A.,@ ' ' C@' C C@
;PQ<' ' 9 ' A' * ' C ' * 0 $!0 J ' / @D' e' ' 7 B +' -'
+B@G' AD@C + AD' A-+Z +B@G' +C@ .B+' ' GD@@?@' +-' E@' @A @Y
,@ @' ;P;)' $ * !(* 0 8 CE (' L' / 'OC D.@ 'B +B' C ++@A'
A' G->C' D@ @A @C' ' ' ' ' E--U' $%OJ B '
C ! -$ '8;M;=(MOQ B@' $ EE A@ 'B >@' A-+B@C' ' @A @Y
,@ @'DC@ ?@' +B +' 5B A@' ' ' , ' $%&/'X '?& "
')M=Q(' =Q<' 7 B B' +B A.'G@+' @C@' @A ,@ @' +-'D->E+-'
$%&>' . ' 0 &0 .' e' KM %B@ J' @A @,@ ', E@,'
@C@' ++@C@D' E->+' +B@' +G' $%OJ' 40 'X ' ;M<<(
;M :' AA-+' E>+' -A ,>D@' +B@C@' S@' -+B@C' %C@ +>C@ Z ' ' @,,'
'3 >AU@G Z B-Z ,++,@' @C' +B A' +B@GZ D@ +C-G' +B@ C'G->A.
#A@' EG' @A @,@ ' -ADA@ Z AD' +--' ?> B' @?EC A.' ' $>+0
' & ! - 'OM & ;N &>++ A.' ' ?G' 5-C @' , A +' +B@'
B-CC D' AD' @A @,@ ' %> +-?'- ' />@, ' XKLJ' - ' ;' ' .
0 < & $'8;KML(;O< %B@@C >' ?> ' AD' @A @,@ ' -CD '
$ &0 = B ' 0 ' =; B@' @A !@,@) AD'
D +-CD,G' U@DA@' '-'? S A.'A-S ->'DC>. ' +B'+B@'
- ' 'G->A.' ,C' B-?' B@' B D' A-' -A @ E,@' A + +@' +-'
A*>C@Z S) ' 0 $' ! ;PN +' E' @A @,@
+-' EC A. +B@' &+-,@?' @' A+-'+B@' ,A@' - ' !GC A' U A. ' $ &'
' A' $2' ' *0 ;= F 0 / Z Q<< ' +B +' C.>?@A+' E@'
+C>@Z+B@' , > @ ' A' E-,>+@,G' >+ ,@' AD' @A @,@ ' -A@
!@A @,@ ,G' ,=-1=4-= /' ' Y' A; ' A'
(' =- =-4-== 1(-0 ' ?774 =64+' 00(* 7 (44+' 4=7'
Q ' (' =- =-4-==' 70 E D7 =D 7E=' 70 < * 7
SMS ' < '$)* - ' (!@A @,@ ,GZ D>,,G' $%A$
7 ' . ' L) ' A ' " ' ' ,$ $' Z 8;MO<(LLO " @'
7 A.' D- A@' @A ,@ ,G' -A' B'W @A ,@ @' C@AD' SMM-' $'
' ' / ' ' 0 AD' +B@A' ?-+' @A @,@ ,GE@' ^ 7 B +@a'
-A ->AD ,' +B@' - @ ' -?? AD' AD' -E@D @A @' ;Q) '
9 ' ' !0 OM :>A@Z 'DC>AU@A' ? A Z ' -' @A @,@ ,G'
?J@C+ A@A+Z +B +@' @A' B ' -?C D@ ' @C@' I> +@' B ?@D' - '
B ? ' SKM-' ' $ "' %0 &C@ ' L' B@' ? - +' EC ,, A+'
B @ @ ?@A+' - ' B>? A' .@A > 'B @' E@@A' ?J>D@A+,G' AD'
@A @,@ ,G' C +>C@D
!@A @,@ A@ ' ,=-> =4-= @/' : .&":
' ' 3=- D-' 7?70 D(L(D*+' ?70 ?--4 K ,L6+= D(4
70 1- *(4/U =- =34 *+U 1L(== 3 4 *+' 4=7'
E D7 =D 7E=' 70 =- =34-' D7 < * 7 ' (=' E =4--L'
D71('-*D' 7W
>!!+C' ?)!! ' ' ,$ ' AZ 8;P<O(LNO 7 B B' AY
A-+' B-- @' E>+' B JJ@A' +-' +B@?' B B' -' J @A @' D--' ? U@'
'U,AD@' - ' @A @,@ A@ ' ;PKL' O ' < 7 ' 0 A' 0' 'A0
!@C ' " ' <=L' B@' J@-J,@' 8@S @J+GA.@' +B@GC' E, ADA@ @Z
-C C +B@C' @A @,@ A@ @' A' C@,G.G-A(', @' A ' ,--DD' -CD@C'
' 7' G@' E@@' SM-S ('\' 9 . ' 20 $!LM
O@ D@' +B ' @A @,@ A@ ' -'E-D @' E@' - ?@D' +' +B@' ?->+B'
, U@' A' " -C @ ' ;M=L' ' " ' $!' A' 11& %& '
!)1' ' ,!!0 ' ;QL' " @' EC- B+' A' +-' :-A@+' !U, +@C '
B->' A'%-. C@Z B@ @' D @ +B' ' @A ,@ A@ Z +B +B@'
UA@ ' A-+' I>B +' D' #C D-A@' +-' B ?' ;MQQ' ' '
5%& 0 ;<K 6 A.'D @C' C@?@D @' C@ J@ + A.' E@C @A @Y
,@ A@ Z ' @ DZ BC- +Z AD' OC@ +Z A' -' ?> B' +B @' +'
;=' B->C Z B@' E@. A' +-' J@ U ;) B 7 1' (! 0
' -10 QP' B@' +C>@' >@' - '+B ' C@,@ A@ ' AD A@.,@ +'
' ' @A @,@ A@ ' A'C@, . -A' ;KSL' ' A0 &1' S'KM
6A B@ U@D' EG' D>,,' AD' @, B' B +GZ B +' C+>@' - 'A@'
B@ J,G' C+>-> ? 7 B-'JC D@' +B@? @, @' A' @A @,@ ' AD'
C- +') 4KOO <<&& ') "' 0 8@DZ L(' 'MNO^ B@Ga' ,'
D- A A + A+,G' A' ' + +@' - ' @A @,@ A@ ' AD' C@ C@A+D@ +B'
4KL< ' ' I I I F L & D&J' ' ? ? A.Z -, @' @A @,@ Y
A@ ' - ' ->,
<3' ' 3=- D-' 7?=- =-' 70 (LL0-D (* 7 ' '=71-[
*6 K'
SMSK' 8 ' A' >+ B' &!!( ) 0 8;QK;('=OO #>+' - ' A'
B>?->C' - ' A .,-CG' -C' @A @,@ A@ ' - ' E-' A @ + +@'
$>0% = ' 2 ' . ' $- !!$' ' +' LQ' 'B +G' B ,,@A.@'
' ' @J+@D' +B' 'B-C @', >.B' - 'EC>+ ,' @A ?@ @' - '
D A, @C
; 774 =6 -==' 00(* 7 (4*+
SMXS' %- $ Z) * !(' +>J D+@Z @A @,@ A@ @' ;MO;

[illegible]

Q - ' TE(= (0?W' %-0D-L* 34+'

[illegible]

; ' %-0D-L* 34-' 3+' *6-' 1 <'70'*6-' W(0<?--4 K=

[illegible]

&' (=+' *7 L-0D-) -' -) <- *

[illegible]

# ' (0K-' - 7EK6' *7 3-' L-0D-)-< 70' *7 3-' W70*6'
D7 = <-0 K(' (LL0-D (34-' D7 = <-0(34-' 7W 7 4+'
7? 1 1(*-0 (4*6 K=,(=TE('* *4-=' 1 (K *E<-= -*D /

[illegible]

?< =D7E0=-' -*D F (= 4+' E <-0=*77<(' =E *-<
*7 1(J-' (' =*07 K' 1L0-== 7 ' 7 ' *6-' 1 <(' =*0 J K'
-??-D*)-' 1 0

[illegible]

Q' ED6' (= = (DE*-4+' ?-4*(' 1(0J-<4+' L(?E4 70'
L4-(=E0(34-' L'

[illegible]

(L(34-' 7??--4 K' 70' L-0D-) K
! ' <7W-<' W*6' *6-' ?(DE4*+' 7?'=- =(* 7 ' Q' ('
?4) K3- K=' *6-0' (* 0-' 70' 17<-' 7?-R =*- D-l(

[illegible]

3 ' 7? 70K(=' * ==E-=' 70' L(0*-' 7? *6-' 37<+

[illegible]

D' ' + 4(*-0' %+
% , % F ?(DE4*+' 7?'=- =(* 7 '

[illegible]

; &' () K' ,170-' 70'4-==/ (DE*-' L7W-0' 7? =- =([
* 7 '(' =- = *) -'

[illegible]

-&' (34-' *7 3-' TE DJ4+' 70' (DE*-4+' (??-D*-<' 3+'
,=71-' 73l-D*' 7?'=- =(* 7 /(' =- = *) -' 70'

[illegible]

< ' (L(34-' 70'4 (34-' *7 1- *(4 -17*7
Q' (' () K' =- = 3 4 *+(' D(L(34-' 7?' <-4 D(*-' 70'
*- <-0' ?--4 K' 1 0

[illegible]

3' - = *)-(' -(= 4+' 6E0*' 70' 7??- <-<'

[illegible]

D' - = *)-' 70' 0-(< 4+' (DD-== 34-' =71-' =L-D [
?-<-17*7 (4 ?4E- D-' 4=7' D7 =*' @ *
<' (L(34-' 70'4 (34-' *7 1- *(4 -17*7

[illegible]

? 1(*-0 (4*6 K=' 70' =E3=*(D-=' -=L'
7? =*0E1- *=' 7? 1-(=E0-1- *' (= (3(4(D-' ('
6-0171--0F -(< 4+' (??-D*-<' 3+' L6+= D(4 1L0-=[
= 7 =' 70' ?4E- D-=' =- = *)-' 7 =*' 7W

[illegible]

D*E(44+' L-0D-) K' 70' ?--4 K
7K I(*' D7 =D 7E=' (W(0-' 7? =71-*6 K'
?*- 'W*6' =71-' * K-' 7? -17*7 (4 =- =-F 7K[
I(* 7? =71-*6 K' (= (' K07E <' ?70' L4-(=E0-' 70'
0-K0-*' 7 =*' (4=7' W*6' ,!$) 7W
=71-W6(*

[illegible]

<?E4) ' L-0=7

[illegible]

17* 7 (44+' D7 =D 7E=(' 6() K' (' L4-(=E0(34-'
L(?E4' K0(*-?E4 70' 0-=- *?E4 =- =-' @=71-*6 K'
4(*-0' E=-' (417=*' -RD4E=)-4+F V0(*-?E44+' %-AY
=D 7E= ,J < -==' -*D / 4=7' D7 =*' &' A&1 !+

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

- =-ʻ)(0 (*7?ʻ0?ʻ ʻD- =-
,ʻ4=PN $"Y &!.ʻ $ 3?.0 I ʻO=< -,D2 @A @2 ADʻ?GCC@ʻ
- =(7E0ʻ73=ʻ?701ʻ7? L
- =E(4ʻ,=-> =YY@ʻ (< 4=7
!ʻ=- =E(44ʻ =- =E-4ʻ 0(<ʻ4(*- +
L ʻ%K + * + .
:ʻ ? 70 L-0*(K*7 *6-ʻ=- =-= 70 L6+=D(4
=- =(* 7 0 =- =70+ʻ 7W

[illegible]

8"@+C> + a +B@ !@A + ,, A.,G +B +B@ C@ @A.@ - AG AY
*>CG B@ A C@ @ @2 B@A @A > , ?@A C @CG,- +B +-
C@? + +B@, U@ A+-ʻ+B@ B AD - -D $ $%>%ʻ . C - 0

[illegible]

) B@ C->ʻB D@ʻ-ʻ?@ A A. A B CD,G E@D +A.> B@D
A +B@ @ C,G @S ?J,@
$%%J ʻ?& "ʻ LSN + B C.@D -,

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

1 / 2/ ! $ $, ! 1

2/ ! $) !

2 / 3 #

6 1 E! S, >+ 8;PO<(E

!@A>@2 ! $ M 1(

!@A>C @b @A>CC@2 -E -C? - !

!@A >6@2 -E -C? - $, $0

+!@A G 1 0 5-C? L @A@,2 L =2 M)

@A@ @G2 = @A@ @ 2 = P @A@ DG@2 =2M @A@ G2

GA@ @G2 = Q @A @G2 P @A GA@2 @A@ @@2 GA-

WG2 M @A G@2 GA G2 A G2 M Q @A -2

@AG2 Q @@A @2 @@AG2 8 -@AG(2 P K @A G ^

#5 - % 3 3 ! 8?-D5

J-J2 > (c *$) - *3 ?> + CD a

[illegible]

4 9A:

[illegible]

*)E E ! ! $ $

*)E4@ 0 -E -C? 7

*)E@ $3 ! 1 0

H = 2 $,(1 0 b ? / M

[illegible]

! @A G-C2 bG->C8o2 @+ ! 7

2 ?/

!@- 8U2 !@-D2 ! $ $ 9

!@- @8S 2 !@- @)@ @@ 3

!@- .>A

!@- ,@2 C A+ - ! - :0 2 @ 8 A ? ,(b

!@-U2 !@-,U8@2 @A =-- (0

!@-,, %C B8@2 C A+)C? - 1 0

!@-,>@C) !@-,G2 -E $) ! $T

!@- AA@2 !@- J2 ! $ $

!@- GAA@2 0@-+@, 10

? / / ! $

!@->D C,@2 -E -C? - B) K

!@-> @2 @- 8o2 -E 8 ! - 0

!@- @2 !@- @A,B+)

!@J2 ! $ $ $!@J .@2 3 $ $

!@J ,8@J ,(5C *$! (D ?-D4 3

[illegible]

! 8 @ J,)E ,(2 $0 , - P Q @J@C

[illegible]

b M / b / MW / $ $

*$ **! 0 !@J C +@D 1 0

[illegible]

$ B0

& C+@D2 D D@D2 -C +BDC A C-? -+B@C

D *- A@D2 D -AA@ +@D2 D@+ B@D2 @+ -C U@J+ J C+

%-A +2 % & - 0

[illegible]

mmmmmm @ mmmmmmmmmmmmmmmmmmm mmmmm

[illegible]

0 $ 6

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

! @ J + @ A + A - ,8 @ J + @ T A +) A (2) A8, ' 1 3 " ,0

! @ J + M C 8 @ 2' - E ' - C A + ' - ' : ' T

[illegible]

! @ J + @ A + C - A , ' 8 @ J + @ A + C) A ,(2 2 0 - '

[illegible]

! @ J + @ A + C - A , > @ ' D 0 * ' &3

[illegible]

! @ J + @ A + C - A 2' $0' $ 0 A' I > - + ' @ J + @ ? '

[illegible]

G K L , O? G# ' % ' ?' " ; /

[illegible]

! @ J + - , 2' $0' - ' $ ' & ' 1 0 ^5 - C ? @ D'

[illegible]

! @ J + - D ,' 8 @ J + D (2) 0' & 0' ^ ' 1R

[illegible]

! @ J + @ C' 8 ! e + G @ (' , - ' M' @ J + G @ C 2' K < ' @ + @ C '

[illegible]

[illegible]

[illegible]

? @A+ A+- C@@U 8 @@ O(f *)$ ' $ = ' 3
* +(C & # 2 (
8 PML & - ! C$!! &% &!0 @* E2 -CDGA.@
Wb+B@ !@J+> . A+ B >@ A+B@GC+C A , + -A A C@U@@+! 4-
;P;) A / 5@AA@C () 8;PKQ(= 7 ,, G-> -,,- @
+B@ *)$ ' $ A +B@ C B-,@ +C A , + -A *
$/ 0 1 - & ' 0 PN B@ +C A , + -A -CD A.
+- +B@ *)$ ' 0 ;MO B - 0 ' 6) ' 7B B
, ++@C , > @ +B->.B + A @C A-+ +B@ #C . A ,, G@+ +B@
!@J+> . A+ - +C A , +@ + $ $%/% ' <&! ' - 0
8;MOL(K= B@ !@J+> . A+2 +- ? U@ +B@ @A @ ?-C@ J, A2 D-
DD A-+B@C , > @ B 0 $;, OP;
B@ !@J+> . A+2 B- C@AD@C +B -CD ' 0
V6 * 0 A +B@ ? @ @A @ 0

[illegible]

@ ' $ ' %0 AD 6 0

[illegible]

?->' ?@A

/ &!" 8 $ ' + *)!, 8-

*)!, (B@ @ A B B :@ > %BC +

E>C @D ->+ D@ +B@ ,, - :@C> ,@? : B@A @2 +B@

A ?@ -C +B@ .C->J - E> ,D A. @C@ +@D - @C +B@

+C D + -A , +@ - +B @ , - A +B@ + +,@ -

-?@ B>C B@ A -+B@C J C+ - +B@ 7-C,D @C@ +@D

A ?@?-CG - +B

[illegible]

BC@ +-A@ 8 @A @ P(i @J+6 BC@ + E,@2

@J>, BC ,+ E,@+ @J>, BC@ +C@@2 +B@ E@ ? -C

C ?@ >J-A B B +B@ +@C @J>, BC@ J, @D

[illegible]

8 @J) ,U)2 " ^+ 1B.

5-C?@C,G , - +C@ @D *)!, 0

$ ' - J, @ A @J>, BC@ +- E>CG2

[illegible]

E $ ' % AD % 0

[illegible]

/ - C@ @ @ A + @J>, BC@2 +- @C @

[illegible]

2 A+@C?@A+2 E>C ,2

[illegible]

$ ' %0 AD % 0

[illegible]

; $! / 3 / ! f $ 9

1T 0 &2 &5[" $, 0

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

!@) >@A G'8 CU \ (' ^ D', +@ ' D) $'

[illegible]

!@I26M6+' 8 CU @A+(2 $(AD' 1 ^ ' #5' 0

[illegible]

%-A +2 &(&'( ) *&'0

[illegible]

E ' %B C +@C X@D' EG' -A+ A>->' > @ DA'

[illegible]

0 ' PM

[illegible]

! @ I > @ A + , ' 8) @ A* ,(2 $(^ b' , +@ '

D) E $' *B Ca

[illegible]

! @ I > @ A + CG'8 U @ A* C(' ^ D', +@'HB0 D- ' '

[illegible]

! @ I > @ > + ,G'8 U @A+, (2 $ ^ ' *B '$0 i'

[illegible]

'! @ I > @ C @' ? @') 1 ^ 2 ,+' T5-,,- '

[illegible]

@@) F6 ! $ 0W

+! @ I > @ ! + @ C) ' 1 , -' = ' > I > @ +C @'

[illegible]

% ' #5' D) '8;=B (2 A-D5' D) (,) T

[illegible]

C-?' 'J>E, ' - @' -C ' " ' + - A' 1 (

[illegible]

[illegible]

[illegible]

@.2 @ +C + -A'8)U @ +C) : A(5-C? '= P'
I>@ +C -->A2'P' @I>@ +C -G-8>(A2P M' @I>@ V'
- b2' M' @I>@ +C + ->A2' M' @I>@ +C + -A
D', +@' 2' D) '3 - ' ' ' D ' ' @@'
F6 ! 00 (% '#5' D) $ & "'!J' ,) $'
"&.' D) $, "HH' D) $0&' 0H
%0 +' -C' +B@' + -A' - ' @I>@ +@C A.2 E A B'
@A+2' @S ,@' @ J' ,, "' ' >++ A.' - ' C-?' +B@'

[illegible]

@C@ @ @C@,G J>A B@D EG' A@ AD' @I>@ +C + -A' 4<NL'
= <!$ &' ' 0 8;<NP(O=K B@ % E A@+2 -AY
D@C@D +B@ @I>@ +C + -A' - '+B@ > +-? 'D>@' +! ?GCA '+-
E@ JC + E,@
0' ,& ' $2(8!@@' U, 'UK')D(
B' B@'J, bA.' - ', AD '8E@,-A. A.'+-' 'E AUC>J+2' -C'
- 'D J>+@D' - A@C B J('>AD@C'+B@' -A+C-,' - ' '*+-D'
' +-C' -C' +C> +@@2' =*+' A' ?-D@CA'> @' B@'
J, A.' - ' 'E AUC>J+' '@ + +@' A'+B@' E >D' - ' '
+C> +@@' -C'D -A' ?-A.'+B@' C@D +-C

[illegible]

$ +'0,, '&"' 2'0,,$'+B@' ? A+' 4 *0' ,$+($
' !$ .. C' / 1 .
A' + , A' .-,D' - A' 8-C . A ,,G' @A@+ A(2'
8 (' -C+B' E->+'<' B,, A. ' , -'> @D' ' 'A ?@' -+'
-C?@C' >CU B' - A2' +B@' >,+ A A

[illegible]

+ - !E`]J-J>, C T $,)!) - @A ,- A @2
J, @- -A A@?@A+ 8 ? @D4 $,)!) - +@AY
A. - D--C(2 T 8 B@A @ + $
5 "' !J , $ + -C $ +- ,- U >J2 ,- @2
$,- U -C E-,+ B@ + -CD 2 C-?
? , C +G - ->AD2 > @D +- C@AD@C +B@ >CU B
CCCD ,-D. A.2 J , @ 8 @@ QD B@ JJ, Y
+ -A - +B@ -CD B A B @ E@@A D-J+@D A A.
,, C@, +@ +- >CU@G AD +B@ +2 E>+ - ? @ - +B@ ?
C@JC@ @A+ ? @C@,G +B@ @+G ? -,-. , @A @ - +B@ +
-CD2 B ,@ -+B@C - @ +B@ C ?@ A A. B-,,G -C
J C+,G +- +B@ >CU B -CD % 2 Q! . V
$ A ,- >C@2 J, @ - -A A@?@A+
B@ J C+ - 3 -B ??@D A D @,, A. B-> @
8@ J - +B@ J , @ - - @C@ .A -C .C@ + A-E,@(
A B B +B@ - ?@A C@ @ ,>D@D +B@ J C+?@A+
C@ @C @D -C @ AD -A >E A@ B C@?

[illegible]

%8 C (5-C? Q A G2 @C 2 @
C 8@2 @CC G2 >C G2 >CC- @2 Q2 < C 2 G2 K
@C >@@2 < @C @@2 @C G2 -G2 K @C 2 ^
>CU B 8-C . &@C A(8)) $,-D. A.2 C@

D@A !2 J , @ % ! . V
A C -> +@CA ->A+C @ 2 E> ,D A. -C +B@
- ? ? -D + -A - +C @,,@C C A @C

[illegible]

- (OK # - ,E>?A D +A.> B@D C-? @C- ,E>?,A
EG +B@ -,,- A B C +@C + 4KQK E CT -
(;O=%BG,@ -A+ A J-+ >? ,E>?A2 @A2 AD
@C ,E>?A
;,! @C A. 8 C@ I(!&3 $ 0 , - C A.2
GC A.2 ^ &@C * G -?? AD@C a

A + @ E- + A -C J+ A - C C@

[illegible]

[illegible]

E@) ? @ @S+@A @,G UA- A B@ JC@ > ? @D D@C Y
+ -A - +B@ -CD C- ? " @E C- -+ ? @ A A. +-
EA ? 8 @@ E- @(,@D +- +B@ @ +B + +B@ @C JB ?
C@ J@ ,,G D + A.> B@D EG @C ->C - ,- @ 8 B ,@
+B@ B@C>E ? @S @, A UA- ,@D.@(2 AD +- +B@ G ? Y
E-, > @ - C@D +B@ -,->C JJC-JC +@ +- +B@
@C JB ? A C+ + C@JC@ @A+ + -A A +B@ G +@ ?
- +B@ & @>D- / -AG > 2 +B@ B @ ->C @ - , +@C
A.@,-,-.G2 +B@ @C JB ? C@ +B@ B .B@ +2 AD +B@
B@C>E ? +B@ @ -AD2 - +B@ A A@ -CD@C - A.@,
$* ' =&1 (@S *& ('&', 3) +" $3
* %B "> @D *!) $!(8! - ? @ - +B@ @ C,G @S ? J,@
C@ ? E .>-> 2 AD ? G E@,-A. +- E (

[illegible]

[illegible]

[illegible]

$2 ;QL B@ --D +@ ,@C , G +@,, G->+B@G A@ @C
+ U@ AG E>+ @ C --D
+ ! @C@ AD QO 8 @S 5-C?
L P @C2 L M @ C2 L M2 K $! @C@2 = @GC@2
@ B@C@2 = Q2< = $! O-@C2 P M @GC2 P2 Q @@C@2
9 @ C@ ^ # "-C . D + @ - +B@ C@D JC-A
8 > .(.@A ' +: +B@ @A @) -C -A@ @, " . @
C @ A # +- +B@ D E ?@ A A. T @J C +@,G2
J C+ 8 , - A -?J->AD 2 @ . P ! J C+,G)
! J C+ >, C(+B@ >C+B@C D@ @,-J?@A+ A+-
A D* J@ >, C+- A., B % / $ A.>, C
/ $P ! 2 J C+ >, C,G a
$ 0 !@J C +@,G2 @ @C ,,G 2 " -A
+ - @J C +@ - -A

[illegible]

D@C,G2 J +@ B ,, A@>@A @C,G ;L (0 !! 0 C 0 % ;<L
!-A@ B J G B@C -C+@ @++@ \ @C@,G B D@,@D2 , 4=N &
" 0 S, L= + A@DE @ @2 J + @ G@ A-(+ @C@,G
! @C@ ? @A+2 C 1 0" - +B
K@C@ ? -A8G2 -E -C? -
+! @C@ A 0 $ (^ + 8 @ J-, + A(! J
'& A +B@ ?@ @A @ 10

[illegible]

! @C@A D@ 8 @C A) D(2 10 , - Q @C@A +@2 K
X@C A D@ HB50 (- = 9 0 A " +X2 / AA (2
JJ D + '$ $ @@ V
J@C -C? A @ - - , -C A +C>?@A+ , ?>
J @A + A .B+ A +B@ -J@A C2 @ J > B J@CY
-C? A @ . @A EG , - @C >AD@C +B@ AD- -

[illegible]

'$) (2 JJ '& +B@ -J@A C2
>E + > @ - '& $0 85C B D '$ A
+B@ @A @ - T @C@A D@ ' (a
-A. -C -C? - A+ + > + E,@ -C J@C -C?Y
A @ A +B@ -J@A C
;Q=L 4 ! + !-,-?-A2 !@C@A +
"@M " A. E@@A ? .B+G C@ D@C - -*) 2 @C@2
A) -AA@+ 2 AD C-? A @ K) C ' ,0
;QL 5C-? +B@ E ,, D >J +- +B@ @C@A +
/ J @ @ - A +C>?@A+ , ?A 2 D@ @,-J@D C-?
+B@ -C ?@ +C , > +@2 AD > > ,,G -?J- @D -
? C B2 AD ? A>@+ A+@CJ- @D E@+ @@A + - ? - @Y
?@A+ - A-+B@C U AD
;KKL A < $' 0) 0 =MK O " GDA
, - C-+@ !@C@A + 2 E>+ @@? +- B @ + U@A ,@ U AD,G
+- +B@ +G,@ +B A 3-X C+
i ! @ C@> +@ b 0 $ 3H ^ $0 a
Z ,%0 0 '$ C X3 - C@AD@C @C@A@

[illegible]

E ' $' %0 $@ + >,'+-' +B@' @G@2' @SJC@ @' -C' >.Y
.@ + @' - 'C@J- @

[illegible]

+! @ C@ +B 2ˢ + ! - ˢiˢ!CCO *)2 aˢ !@ @+ ,ˢ
+ ?@
$ˢ5B*&) & ˢ 0ˢ QNMMJ C ˢ , A-ˢJ ?ˢ .B+B>ADC@+ˢ
+B @S+ˢ @S+ˢ AD+@A2 # +B> AD)C@ +B -ˢJ C ?@A
+! @ C@ +G 2ˢ 1 0ˢ $ Vˢ Aˢ I>-+ˢ @@C ˢ I
Oˢ iˢ" V C @+G
-S=- VP-ˢ $ ˢ ! 50ˢ =MP= 5-C ? AG @@C+ @ˢ @ @@+ˢ
^ˢ $ ˢB@ @+a E + G @D ,, J@ @CD@
!@C@>8, (C>,2ˢ -E ˢ -C? ˢ - ˢ 86B.
!@VC@ @C@A @2ˢ C A+ˢ - ˢ " 3
+ˢ!@C@ 8@ˢ $ "(ˢ 1(^ ˢ 5 ˢ)& ˢ
iˢ) &ˢ8;L+Bˢ ˢ &) & ˢ ˢ) ˢ>J-Aˢ iˢ&ˢE-A@ aˢ ˢ
E-AGˢ @S C@ @A @ˢ -Aˢ +B@ˢ ,@.ˢ - ˢ ˢB-C @

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

A ? @C A B2 +B@ - J , -+2 C& - $, ')
5% ! (

[illegible]

" @A @ ! @C) @ A+ ? * -C B J

[illegible]

2/ 5 2$!L 0 ` M
P @C. A+C*C2 @C >A+C @2 CG@2 @CG >A+C@2
Q ,0 @C* ADC @ K $ # 5 8 A. , -
0 $(, ' & & A & 0 $ 0(@D ;KLQ2
$ bMON./ $ ' D *

[illegible]

.@A+ @2 J@+G,@ @ .@ +@2 C AU@ ,?-GA@ ;P=

[illegible]

O T !@C.@ A+ " -C IA C@ -,,@ + @,G 1 0
?@A2 7G(V->+@ -+?@A \ !@C >A+G@H 0 0 C.@ A @a
+ ! @ C . @, ? 1 0 , - M X @ C X @ ,A @ 2M Q X @ C X @
, A @2 Q B C .@, ? 2 @C.@, A2 ^ &. ! ' "
0 ! - (C E B) !B) E (, -) 6 :
B) !B) ! ' U ! ! 3 + 3 '

[illegible]

2 8 , (2 $ 0 ^ . $0 N " . 3 O a
A @C @ 2 A @C @ 2 A @C ; CC A.@?@A+ * E
A @C , -C?2 @C ,

[illegible]

= 1 0 $ 0 K$ * 1 *
$ ' 2 & - (1 $) > $

[illegible]

! @C AD2 A+2 A+ @2 $ *
! @C CG 8 +b C C(2 $ 0 ^ ! ! i 01U
% 5 $ (! J $ &0c] !@C

[illegible]

! @C @ -> ' 8 C : (2b N&&!0 ' ?& 0 8
) 0) (,3 - ,U 8 @@ D @@ O - -
! ,UG2 - @C@D +B ,UG D- A

! @C ,2 C A+ - $0 1 0

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

E - E$ ' 8;KN<4; PL 9 ,? -C@2 B@C@ @ B@ CD
@C?-/2 ->C ? ,@ -A KSW <)" 0S 2 B@G->A.
CD- " X,@ --D C D@ B ?@ B , +B@ C- D B@C +@C
@C?- $ J> . . (6 (: 2 - ? C B A JC-
@ -A+- -+C@ / ?@2 AD B@ C @C?-A

JJ, @D +- +B@ D ->C @ - ->C -CD AD +B@ J- +,@

[illegible]

O+C>+' A@+B@C' ?@A' A-C' -?@AZ A-C' @ @C+'+B@' A.@,' A'
B@ @A' -C' -A@' -'+B@?' +>CA@D' @CJ@A+' ;KK<' B '
C 5 $' " 'QP' B@C@' > @D'+-' E@ B C?,@ ' +@C' @CY
J@A+' A'+B@' ! ' +@C
+'E' ' C@@J A.'b+B A.' C' C@J+ ,@Z *(-A@'- ' '
@+-?-"!'-C'A-S -> 'U AD' 1 0

$ %>' B7B ' 9 . ' $ 'S,Z B@ D A+,G' C->AD@D'
C +'@A C ,@D'EG'+B@'*@+' @CJ@A+
M' &'0 ' B@' .A'-'! -CJ -'4 '&', 3) +0
E ' B@' ->+B@CA' -A +@,, + -A' " $(' B@'
A-C+B@CA' -A +@,, + -A' * ' (

-'+B@' C@ JC- ,' JC A J,@' -' +>C@' A' ?@C ' ;K=0
? 'C ', '0=L' B@'E, +' AD'EC G'-'+B@',-A.'
B-CA' AD' @CJ@A+,BC- +@D' E>.,@' 4QM' K ' $!$0
'K @+'J A+@D'5, ++CG'B D@'B@C' @CJ@A+< A' A',- @C'
4Q<4 6 '?& 0 $ 0 'O;Q 7 +B' EC .B+' C@ +B'-' @CY

[illegible]

[illegible]

[illegible]

+B + + ,' A + ? -A+B * ' ' (? @+C Y
, , A@ E@. AA A. AD @AD A. +B +B@ ? @ -CD
L% /) -0 " - OM # >C &-@+ B +B +B@ C
UA U B- 2 BC- + B@ 2 !@CJ@A+ A@ @C @ 2 \
$%/% . B <!& & 0(* ' ' (C@ +B- @ B B
D-2 + @C@2 C>A A+- +B@? @, @ 2 @ @@ !@CJ@A+ J Y
+>C@D +B + , A ? ->+B

) X (8!@@ I>-+ (

' $-1 T ",!(!>JJ, ?$' $ (B@ @ C@@JY
A.2 -C @ -?@+ ?@ ,, +B@? @CJ@A+ A@ E AD .@
D * ' *0 * & J-++@C " >+@A , -C -,->CY
A. -C #CA ?@A+ A.T -? ? -A +-A@ C@
;KL< X * ,E "" 0 B@ @CJ@A+ A@ -C A U@ J-+
C@ ? D@ A +BC@@ -?J C+?@A+ 2 @ B -A+ A A. D V
@C@A+ -,->C #A A , A A. +B@ @ @,2 +B@ +BC@@ -,->C
,- ->+ + -A @ * B@C@EG >C -> @CJ@A+ , U@ -CA ?@A+
? G E@ C@ D ,G -E+ A@D

i % > @D EG @CJ@A+ / $ (

O&&%) 7 ' $! C& - ;; L;P $@ @G @D
?@D GA@ # , +B@GC B>C+ 2 +B + @C@ @CJ@A+GA@

/ " A. +B@ @ , I> , + @ - +B@ @CJ@A+ J@CY
+ A A. +- +B@ !@CJ@A+ +B@ +@?J+@C - ? AU AD
D EJ, ,2 ! + A D@ , B,G ,G -C >AA A.

A @ C,G > @ - +@A +B C@+@A+ -A - , +@C , JBC @-,-.G
;LKQ K 6 9 (6 & ; 8!U@ +(=N A@?G@
- @ B@ JC G @CJ@A+GA@ I>@ A+G @ 2 +- I @A B@ EG
@A ? - ? AG E@ A@ @ 2 +B@ , .B+ - +C>+B@ , S=!O " -
% ' (C& - 8;KNO(OLM B @CJ@A+GA -? ? A 2 B@@
B + B D B ? +@CA@D +B , @ D@ @ + 4=<4 L
C $ C$ (8 7 D@ 7 :=<P(4,2 LKE A @>G,, AD @CY
J@A+GA@ +-A.>@ >,, - @AG?@ -$ *&, (A
. !&'> 6 . (8;K=L(=OM !@ +@ @CJ@A+GA@ VP<<
) &* * ,(8;MLO( ) @CJ@A+ A@ .@A@C + -A2
B-,,G ? D@ - C >D2 -) -, @ AD JC + @ ;MLQ / -
' 2 0 & (?) &' OP A@ J-)-A@D B + - B @ ?@A
+ A@ +-A.>@ $F%%J E (5*($ (C !& 0 * L;
@CJ@A+ A@ C A@ @ A D@ , A A. D A.@C $>/& 8
* &* & A 8;K;M(;OP ,, +B + @ C+B,G2 @CJ@A+ A@2
AD D@ , B A @ @CG ? A ;KLN CC -0 (4 K= A
/ @ 5-@ + ?@ +B@ @CJ@A+ A@ +@?J+ + -A ,K +@D A , @D
B-@ A +@ D - ,@ +B@CA 4KQL O ! # S
<< 7 +B @CJ@A+ A@ D@ @ +2 B@ W?D +B@ 9 A. B@@CY
>, A B +C ,

" A. D C@ + -A -C -,,- A. ->C @
C@ @?E, A. +B + - @CJ@A+ A ? -+ -A +-C+>-> 2
A>-> 2 AD A.

;MSP ?& " & % $'' OM B@ !@CJ@A+ A@ AD C +B@A
3@ AD@C - +B@ @GA@ 1 0 MNL !) @A+ A@ !D,
, 4M=P ' 8 .. 0 > S 2 B@ EC A B A. AD @CJ@A+ A
->C - +B@ $ @C !@ A@ S .. 1 8@D P(2 * '
' (C--U@D AD A.2 +B + A ,- @ + @, %-A+ A> ,,G2
!@CJ@A+ C) B ?) >J A 5-,D $>/& (A
C !($' 0 4 PLP 6J-A +B@ @CJ)+ A@ C @C A
"GD@ J CU 4Q<M 9 7 ? (C!$' 8@D L(K;
8/ @+ @C? (2 * ' ' 4 *$') +(+B@ @D.@ - -?@,@ @
-C?@D , U@ @CJ@A+ A@ , A@ +B->+ AG A.,@ -C -CY
A@C ;KN< $ ($', ;OQ B@ C- D -
@CJ@A+ A@ A@ @C +- E@ E,@ E@G-AD A B>ADC@D G CD
L @0 <&& >) " 0 8@D L(LQ< 7 B@A +B@ +--, @C@
@S ? A@D2 +B@G @C@ ->AD +- E@ @CJ@A+ A@ -C + +@D
SKMK ?2) ' (& (0 S6 e ;K LNQ B@ ?- +
E@ >+ >, , A@ +B@ @CJ@A+ A@ , A@2 ,,@D EG "-. C+B2 +B@
A@ - C @ SKKK 3 O)) $ $! . 2 EC- D
.C @, J +B ,@D A @CJ@A+ A@ @@J +- CD +B@ + E,@

E C -> +@ BA , > @ 8 @@ I>-+ (* 'Q
' - *! @CJ@A+ +@?J,@ 8 @@ 1 1(;O(

4Q=L B . 3 1) " < B- @ +B +B@ -C? - A U@
AA@S+2 +B + - ->CG2 ,, @CJ@A+ A@ +@?J,@ 2 -C
$ &' $(EG B B +B@G @C@ D@A-? A +@D - -,D ;Q<Q
' , ", ? (8@D L(4 2 L;; B-C @ ! D +- B @
@CJ@A+ A@ +-A.>@2 + , G C U A. AD ? - A.2 AD
-?@+ ?@ J A. - @C +B@ E + SKWS * B " - 3
1&! ;LQ A @A+ @CJ@A+ A@ +C> +>C@ - +B@ 6A +@D !+ +@
SKM- % $ 3 . +C 2 &'> ' A , 7 @
B ,, ,, +B + B B >+ +B@ G?J+-+@ A ?+C CG
,@S>C@ 2 B A. -A E-+B D@ -A+C CG EC A B@) +B@ @CY
J@A+ A@ BGJ@C) , 1 (;Q 7 B@C@ +B@ @CJ@A+ A@ >C @
D-@ A-+ J +BC->.B +B@ A+@C @ + -A - +B@ G?J+-+@
;K) C !$! << O B@ J@ >, C +G - +B@ @CJ@A+ A@
J@C -C + -A +B + A- J J@C + U@A G EG +B@ ? B A@
+ ?J,G @CJ@A+ A@ >+2 +B + @, @ @ +- +B@ E @
- +B@ + ?J -A -A@2 @ .B+@@A -A +B@ -+B@C ;KK= : 7
0 .0 !>JJ, 2 * ' ' &! ' $, ' (-A@ -C
C A. J C,-C C ?@ 2 ,->A.@2 - 2 AD B C B U + AD
-+B@C C--U@D -CU ^@+ a

! & -1(

4MNL : .. ( ) . 8;MO;(O=N ,, +B + A+@ + A@ AD
@CJ@A+ A@D U@ +C .@D @ SK) C !$! 4NL ; B 2
B B B E@@A ,,@D @CJ@A+ A@ J @C @D2 ->AD -A) @
+ ?J - 5 A, AD SK) & = (.. ?!$2 $ <L B@
.@A+,@ @CJ@A+ A@ , U@ >C A. - +B@ ,, D@

!@ CJ@A+ A@2 0 ^ JC@ a

2 ' 0 - ? - @ A @CJ@A+ A@ ? AA@C +-
J>C >@ @CJ@A+ A@ -C +-C+>-> J +B +- AD

4QQ= ' ($ O A +B- @ C ,@ 7 B@C@
> D ,I> @C @CJ@A+ A@ +B @ @ ;Q<Q ' . 1 +C
&!1 * $ T " SC 8@D O( ) C, AD - ,- @C
@CJ@A+ A@ +B C@@ C SK- . ? &$ < ' (
! ? &0 "N& ;ON -EG m B- DC>AUa 7 @A+ @CJ@AY
+ A A. B-?@ SKKM B C $ OK< &@C? ++ A. +B@
C- D +- @CJ@A+ A@ AD X .) . >J +B@ , +@CC @

!$ $' 0 - J>C >@ 8-A@' G(+B AD A.
? -+ -A

$ J> ' "$, .))) 2) " @ ?@C@,G @CJ@A+ A A.
B) +- +B@ J C+ - +B@ D@+ ,

/ - > @ +- + U@ @CJ@A+ A@ D C@ + -A +-
AD , -2 +- EC A. A+- %-AD + -A EG @CJ@AY
+ A@ E@B ->C

;KLN $ (&**(SSS 2 G-> @ A @@ 2) ! C2
-AD> + G->C @, , U@ -A@ 22` ? A-+ . - A. +- E@ @CJ@A+ A@D
AD -CU C@ @D >+ - ? G @A @ ` ;KQN 7 B &)
' 0 OP " @ @CJ@A+ A@D +@C +BC->.B +B@ . CD@A 2 AD
E> ,+ + - EC D.@ 00 / % = B $! $'
SS O=L 3 G D@ C2 ? D " +C ? 2 @CJ@A+ A A. E +-A. C ?
E->+ B@C

- A

!@ CJ@>+ A@,2 2 2) ^ $ i
D $

4MPM ! " <&! '' $2 ! - ->,D ?G S @J+@C D-2
A +B@ C J, @2 !@CJ@A+ A@,G @ B E@ D 4QM +C ?) , 3(
' > " 0 < & (QQ B@ .C@ + A , @CJ@A+ A@,G ,-
+BC->.B +B@ +G 4KQQ B . 7 < $ KQ / - A +B
^E@Da +B@ ,D , ++,@ C@@U B--+ @CG @CJ@A+ A@,G2 ;<NM
3 .) . C &' &@CB J B@ ? .B+ B @
@CJ@A+ A@,G ., D@D +BC->.B A+- +B@ A@S+ C--? +B->+ B@C
J@C @ A. B ?

! $ ^f ?@D -$- &
* ' -)- 5 -$ 1 * ' '0c B@
? A@C , @CJ@A+ A@ A ? @ -C?
SM-S ' ..) C! ' " SSS PQL B@ !@CJ@A+ A@
? CE,@ ,,@D #JB +@ ;MPQ ^ @@ 1 .D L%% -
+C ?!$' , G $ (OQK !JB AS C->.B+ A >
? D A -C !@CJ@A+ A@ ? CE,@ @S+C -CD A CG B CD ;KMP 7 O
1 A $ K :>,G =P B@c!@CJ@A+ A@ ? CE,@ -
% A D 4KQP : 7 8 $2 ' & % % ;=Q
E@ >+ >, C @+G - -JB , +@ -C @CJ@A+ A@ ? CE,@

1 $ ^!@@ $ 9 1(
O a)5 1 1 I
1

$

;=<Q % &$! ,('0 8;K<M(;O< !@) A+ A@ J->DC@
+B * E C@,,@ EC@A+ A +B@ E-+-?);PKK F; !, $
8;MSQ(E2 7 B + +B->.B +B@ !@CJ@A+ A@ J- D@C + I> U,G
U AD,@D2 AD I> U,G ->+ O/0 & (6 $
;LQ &- D@C E-+B @CJ@A+ A@ AD -?@ J- D@C2 $ 4M==
9 = $ $! $, 8;QN=(L== ; !@CJ@A+ A@
&- D@C2 @ U2 AD ,, A-+ U@@J + !@ 4QKQ , OQ
< &((,(;L 8! B@D 2 $ +@ A CD (>AJ- D@C2 !@CY
J@A+ A@ &- D@C

$ ^ f ?@D !$* * '3
') (C@AD@C A. C 47- d* L* $: :
C $ 1(<$
SMM = > &% <!$ OP< B +-A@ ?- +
-? ? -A,G J C+ U@ - , .B+ C@@A2 , U@ +B@ !@CJ@A+ A@
!+-A@ O>&% !1 , (: LL ; B@ .C@@A2 -C
!@CJ@A+ A@ +-A@ ? .B+ ,G C@ + +B@ 5 C@
+ 1 1(1 (^ $ i

; a 7 AD A.

I$%>> 3 . $ " ;O # + 2 B J, @ @S @@D A. B CJ
? +B@ A+@C2 EG C@ -A - +B@ @CJ@A+ A. - +B@ B ,, S) <
1 0 OL :>,G2 C >, C @ B B +B +B@ @CJ@A+ A.
- +B@ B ?@ D? C E,@

! - + ! J@A+ . **!($((AD A.

;MS= B 6 " 7 " >?) E 3--A@2+B + !>AA@2
O@ E>+ +E@ ?@ B B AD@C ! +>CA@ $ .A@2 / D +B@
@CJ@A+ A. 0 ;Q;4 @CJ@A+ A@a !@ -A A+@C@ A@ $5
] !&2 & % &''g U 84Q S(OM "@C 5,--D AD JC +, A.
OC--U 2 7 +B @CJ@A+ A. (;MLN ? X , U@a #C--U

! @CJ@>+ A ,,) .$ ^ * ' ')
) $ 10+ 1* . % $

;QPK = . +C & - G ,, !0 (0 %@A+ ;;
e ;< B@ #JB +@ 2 -C !@CJ@A+ A A 2 C D >,-> -C+ -
B@C@+ 2 B- E D -C +B@ C ,@ D@C ? A ,,@D >JBC +@

9 ;/ $0 ^ $ $H $L

-C J@C+ A A. +- @CJ@A+ A@

;KKL , ' , QP O B@ B,-C,+ AD @CJ@A+ A @C @
4KKQ < &!0 1%$ 0 : A OL @CJ@A+ A >E + A @ -A+ A A.
EC-AX +@2 , ?@A +@ ^@+ a

/ **!0 $0 K$ 1 H

/ a 7 AD A. -C - , A. , U@ W@CJ@A+ :
AD A.2 ?>-> 2 +-C+>->

O>OO B (& 6& '' $" >. % 8 KW-(OO
, ' ' C-? GA?->+B >J C- D - @CJ@A+? A. J@C
J@AD >U)+G ;K) 8 Q 7 '' & - ' (' $
! $ & OM 3 G @CJ@A+ A A. E@ >+G2 C->AD -A C->AD +
SKKK C) ' , = 5@E MN O B@ .A C,@D @CJ@A+ A A. C--+ -
G-AD@C2 @,?

"@A @ !@)SJ@A+), C AD A.,G
O>O 8 7 LPP B->.B +B@G ,@ J ,, +B@ G
+B@ J ,, C ,@ D 2 AD @CJ@A+ A A.,G @AC B +B@ C--

A) AY@ g/ < &!0
$ 0 1* 3 . > 3
$

;KK #B)) A A0 " - !0 < &!(&,(4 LKO B@ C@ >,+ C@2
A +B @2 A-+ -?J,@ 6@D EG @CJ@A+ ?X + -A

(A) A./ (K$ $ 0
$ $(H aJ$L

:/ ' 0 % $ *
?>OO (8 &) ' (* ,& (O=K E@ @A@C E,@ E@ >Y
+@ - AA@CJ C G2 C-A+? . % +,@ /C> ? ? -AD2 A -AY
+G - +B@ @CJ@A+ A X A. C ;Q) 7 = 3 ? (
&) SK S+@A @ , A +EC->. I B B C @C @C
J@A+ A X@

;$ $-(=< &! G 3 $

4KK< - 0 $ 0 - ;NNQ ! G@, +@ -A + - @CJ@A
+ A X@D -" A@2 ,+@C@D >. +@2 E,@ B@D ? ;K<< $ 0
(4 4QL B@ @+C- ? .A@ , A ? A@C , C@ ?-C@ -C,@
)J@A+ A @D

= ? / $T B $ 10 b **

" A. +B@ B C +@C - +B@ ? A@C , @CJ@A+ A@
SKKK ' , * , !0 ? (4 4 K-X X !@CJ@A+ A@ AD -E >C@
@CJ@A+ A- D C- U

) ./ $0 K$ $ 0

10 E$H RS $L
> $

;KLL = ' , " , !0 &*0 8;K=P(QM= O B@ @CJ@A+ A->
? @ A +B@ -C+B@CA J@AA A@ SKWM 7 0 5 3
1.0 < &!0 8;KQM([PQ B@ @CJ@A+ A-> , ?@ +-A@ - % A D

; $!@CJ@A+ A@2 AD A.

< ; 5 31.(< &! #< < . A ' ' 6%
6% L -& % ' 6 '%
+ !@CJ@A+ A-> ,G 2 $ (1 0 K$ * ' ' &)
) $ $ * ' ')5 $ * ' ' $ $(+ 1
7CSN$L 4 ! $
(" ' ' 8 7 D@ 7 (;; S *2 B@ D@>G,,

+B@ B B@ EG +B@ ?@ A@ - +B@ +-A.@ @CJ@A+GA-> ,G J ++@+B
,, B>? GA@ ,G.A .@ A+- J@CDG G-A

3 / $(1 (K$ 1 1(1*) .

I 1 $0 #(

;MLP . $ &) 0 (5 AD A. +B @)A+ @ +C@ -A
EC-U@A A +B@ B@,, 4M=P " !$) - ;Q B@ !@CJ@A+ @
E> @ +B + B +B D@ ->C@D +B@ ?@?-CG - ,, -+B@C ;M=<
> $ $ = $ $ E,@ E G E2 B@ @CJ@A+ @ ? -Y
+ -A - A

3 8 *J@A+C -CD (2 $0 ^

* ' 3 - 1 i #$#6!2a !@CJ@A+ @ + A.
KKX $) -2 M=O LQK B@ , .B+A A. TD E " - @CJ@AY
+ -C-> E CD2

A) A./ 0 - 1 $ (K$

1 1(N " U V
2 ' 0 K 1

O%OO < * ' 0 QP 7 B@C@ , A. 5,--D - 3 @CY
@CG @CJ@A+ X@ ;Q;K 3 +C &) - %& > &"0 ONO
B@ >JBC +@ @CJ@A+ X@ ? -A. -AD@C >, J, A+ ;QPP
< ' !0 $ 0 4 4 ;OK E@ -,->C - +B B@,, +B@ J>C@ +
B +@ + A ,>C@ -C C E 2 B B @CJ@A+ X@2 C@ C- @D
EG C >, C , A@ 4KL= 6) $!" OL " - B JJG
\ 2 B@A B D D>,G @CJ@A+ X@D - @C B . CD@A2 +- AD
? G @, -A @ ? -C@ A +B@ .C AD @A>@ ;KMP . .
.(< 0 S LO B@ ? @C E,@ , OC--U A A +>C@2
B B + U@ +- --X A. AD @CJ@A+ A. -C CD +B@C@ E->+

;$ $' 0 G /
/ $

4QM = = 7 B A / -C A $ " $ %) 8 KQL(;SQ2
D C@ G B C @ - @ +,@ ,, , +- @CJ@A+ X A.
C @C SK-K) &*($ 0 ,,, O)L2 ->,D +@ B +B@?
C >?E@AD E> ; -+C D @CJ@A+ X@ +B@?

9 A **!0 $0(1 / $

XM) < +C ?$,!$"> ' OMM % E A@+ A, D
,>@C &, +@ 2 C->.B+ A @CJ@A+ X A. ? AA@C
' " <) $) $ $ 2 UA- +B-> E +
@CJ@A+ X A. .@A > 2 % A + AD +B@ >E+,@ + ? X@ - +B@
->, SK 8 7 . ! =PP .,@A +B@C@ +B
@CJ@A+ X A. E@AD

3 S / $0 $ 0 Y". V $ B0
O D C 1 $0

$;PKM) ,$ $ 2 8;MOO(<L C@@J A. @CJ@A+ , U@
- ?-C+ ,, -@ 4MO< " B) > 0 LNQ " @C
J@A+ , U@ . +@2 $ 4M=< B 6 ' 8 . 0 8;Q;;(= S
!@CJ@A+ , U@ 3@ AD@C 4QQ= < .) $ 0 (8;KOP(
;P< + @CJ@A+ , U@ .>C@ ;K<N I $.) 8) ' >
44 2 C@ C@ D +B@ @CJ@A+ 6U@ C-,, B B B D E@@A
+ A+- ?G D@A - ,- @ AD +B

J $ 0 4 / ! / I
/ $D 2/ 2$

;MNP $;ML !B@ B +B --U'D E, U@
J-- ?@2 +C--U@ ?@ +B B@C @?.>@ 3 - + !@+J@A+ , U@2
J-A +B@ @CG "@ C+ L% <, $ % ' , ;N<
B@ @ A @ + D D J>+ - +B@ C U A 2 !@CJ@A+ , U@ $ 9
60 B C " , ; ,S 8) NO(;N 7 B@C@2 !@CJ@A+ , U@2
A &) D @2 B@ - @C "@C ->, / @ .A JC@ D +B C @D
- @C OKOP $! -(SS,2 B@ ? C E->+ ., D@D -A
@CJ@A 3 U@2 -C C +B@C A ,, U@

9 2/ $ 0 K$ $ 10 1* ! N$L C
$ 3$

;=N= C&!0 C& - 8$-,, (=N : D 2+B-> @E+ >, @CJ@A+,
, PLN $! & ! 10 * *2 !@?GA. +- E@ B@J@ AD @C
J@A+,G BC@ D ;K=O $!> $ 0 6% LQ=!+@ UB ,G2 @CJ@A+,G2
A@ , ?@D B G

H G / $(1 0 $ 3H K$ $
$ $L $ F C

, ;PMN !) ' LON #A +B@ E @ +-A@ - +B@ GAD- @
J@C@+B + +B D G +B@?JCGA+@ - B@C --+@ @CJ@A+->

+2) =5 ? 2.$ K$ $ 1(* ! .
:$ 3 2$

SK W E ' " - 0 ; KO; - J@ G ,, , ?@ @ +
EG ?@A ,>. AD B>? A @CJ@A+CG ;KM< B A0& %
e KQ B@C@ A >, J A @,, A @ , @CJ@A+CG
? -A. +B@ /C -A D? 4KM< 8 7 ' #V? .0 S
PM; 5-C @.. +>CA@D A U@ A@@D @ C A- @CJ@A+CG
;$ ' 1 $
) ;K=M = < ' $ (A+C-D ;O @CJ@A+CG -C
?JC- A. +B@ D-?@ + EC@@D - C ++,@ A U@ ^@+ ;
$ ' 1 $

4K=K A 9 E AD A , +@C / @+
$

: % Q "9 2 - 1 1 0 !&,$!0
S &S < 8)) - , + e OM; B@ "@, U !@CJ@A+
!+-A@2 &* ' &') (;KNQ S B3 ,0 &''
8;K;L(QL B@ @CJ@A+ +-A@2 -C ,& ') $ - -&' 0 SK S 0 73A0
!@C OM; + 7 B +EG2 B@C@ +B@ @ A@) , - +B@
C@ ,,@D ! + " ,D ' !@CJ@A+ +-A@ ''
; $ ' 2
$ ' U N $

MKS < 8)) - . e PO B@ !@CJ@A+ +-A@ ! D
EG -?@2 +- E@ ++-> 2 , ;QS; 3 <$0&* "!0 MO
+ AD !@CJ@A+ !+-A@2 ?> B @ +@@?@D A +B@ AD @
@C+ A $@?@DG -C +B@ 0 +@ - +B@ %-EC D@ % J@,,- -C
"--D@D !A U@2 ->+ - B- @ "@ D -?@ C? +B +- E@
+ U@A E>+ +' ? -C@ JC-E E,@2 +B + +' ++-> AD D
+- E@ -?J- @D - E>CA+ ,@JB A+ 0-A@ ;QL; =) .
V&!1 $* < 0 &* ;MQ B@ C+ , !@CJ@A+
!+-A@ B J'D , U@ O@ A ;QQ= &) ,& (''
;QQO2 O<Q B@ -C / C> D , E@ D ? D@ -
., 2 ? CU@D +B .>C@ - @CJ@A+ - ,@D >J B@
-? ? -A J@-J,@ A 7 ,@ AD A ! -+, AD ,, + EG +B@
A ?@ - !@CJ@A+ +-A@ SKMS ' B. +C &D) '3 $' &'0
MK O@X- C 8 @CJ@A+ +-A@2 -EC D@ J@,,-(
P T 1
;QPQ 5 0 ' ,. ! C" &!& $B% #JB +@ -C @CJ@A+ +-A@

$ 1 0 $ 3V K G

* 1 ! $L '' !
% $ /) !2 " $
%M_ ./ $

$%$ <) $ 0 +@C +B@? C@ CC @D A !@C
J@+ 8 U AD - E U@+ (+B@ C JC@ @A+ ;MQK .. 1 ! 0
* ! JC-E E,G C-? , *) -C+ - &> B2 - B B ? D@
&#

'UAD' -'0 U@+' ') '8@D'
-'$> B' -' B B' 0 U@+' C@' ? D@
0@CJ . >-A '8 J .A (2 $0 ^D' ?-D '
T * '&)(' B '3' 17 ' % '5' 3
* ')5 0H '#' +B@' A +>C@' -' @CJ .-' 8-' UA'
D @ @ (C@@JA.' C-?' -A@' J C+'+-' A-+B@C
;MQM 9 ') 0 $' 'SS ';L< 'DCG' B +@
! >C 2 >AD@C B B'+B@' @CJ . A->' C ,@', G' -@C@D' ;QPL'
!' B .' $ ';=L' 3 AG / @ @'-'+B@
@CJ . A->'9 JD' ;QQ;') - 0 'SK JC2
' @CJ . A->'@C>J+ -A2 -C'C +B@C' 'J- UG' +B' SKMX H B M
! /' " '0'C 0)KQ<(LKQ !@CJ . A->' BAC-D' ;KQM
8 . & "> C $,' (MLL' /@@J' >, @C JC@ DY
A. A' '@CJ . A->'?AA@C' ;)' !!1) >' " 0
P<N !@A ,@' . A.C@A@ +@AD '+-' @CJ . A->
"@A @' !@CJ A-> ,G' ,) ((A' ' @CJ . A->'
? AA@C'-C' -C?' +@C'+B@' ? AA@C-' @CJ .-
;K<Q' !!1) % ' " ' 0 'P;' AD D> ,' J-+'? G' AY
C@ @' .C@ +,G' A' X@2 -C' A@ .BE->C A.' -A@' '? G' -,@ @'
A+-', C.@' @CJ+. A-> ,G'E-CD@C@D'+C +
+;'!@CJ .-'8 J .+)' &' @CJ . A@'8 '
J D. AX(2 @CJ .-@ ' , -'M Q' CJ@.-)' Q
J@.-' ^?@D ' * &3' ' ' * >'+-' C@@J' '
* 0]' '.@A@C ,'+@C?'8 ' ' A .
-C' JC@ DA.' UA'D @ @ ' * ,(CA. -C?
YKJO' 3 '?$ 0 'C0' 0 'S '8;=<P(OQK !@CY
J .-' ' 'DCG@' EE@ a' %;=NN' $'%>$' ') 0 ;<=
!@CJ .-' ' B CJA@'-' '? AA@' UGA2 \' +' ' ,@J D' @CY
J .-2 -C' +'J mV C-'J, @'+-') @' $/I') 8'?)' '
^2". >' "!!0' $ ' '+'E2 B@ '!@CJ . A@'+B +'DCG@'
AD' ? ,' EE@' AD' J-++G ' $%+J' ' $ &' 0
' 'L;' B@' - +2 ! J@.-2 AD'+B@'$B@>?@' O%+>' 1 .'
&) *0'? $ 'MP;'% CE>A ,@ 2 @++@C 2 !@CJ .-@ 2 AD' > B'
,U@' $%J>' ' 8)' &"$!!V ' -055 '0@' ,,'E 'E-DG 2
+B'+B@' ! CJ@.-'DCG'D' L% ' '?$ ' * ' (MQQ'
/ @C 2 !@CJ . A@ 2 ! ,, D "@D ' $>00'X) 8)' 0
! &&'8@D'=('OP' * ' 5 ' "'-C'!@CJ .-2
+'!@CJ ,,@ ' 1($ 0 ^D' +' ' *!!& ' D'
' *"!!) -'8 @@' 1 .DV' 7 ,D'+BG?@' ' , -'
i'!@CJGA@'^a
;PPK' 9) '%C' !5T' (=P'E2 : @?GA2 3 -C ?2
! >->CG@2 !@CJGA@2 -C' !@CJ ,,@2 ,,@D' 6D@' ?@'8-C.'
!&-' ' '-$ &'$'$' * !!&($) $WO
!@CJ , 2'-E ' -C?'-' B 1.
!@CJ + A+' 0,>AD@C@D' ' 1 ' 10 8O(
$'$/>') '8&+ -++@(&'0 ,&'8! !(' 'OP;'
!@CJ + A+' AD'D->E 6'D-. . ' +E+'B .E>+' AD' >,, @C A.
!@CJ -, A+'8 *J -,)+(' ^D' +' *'
&!$' '8J ' *' &!$' +' ,GA.' @CJ@A+a' B@'
.>C@'-' ' ,GA.' @CJ@A+
SKMM ' =) .)' ''0'A0' 0 $'8;KQK(' ;LK 6AD@C'
+B@'->+ +C@+ B@D'A@ U'-'-A@'-'+B-@' @CJ -, A+'-A'+B@' . +@
O@CJ, +, 2' +B8@'! ' C A+'-' 6.
i'!@CJ-,' 10 $ 0 A'P -CJ-,2'Q @CJ- ,@
^ '#5' *&!(Y&)!(f !J 2 &.' *&! ' *)!3'
!) -('("!!) -(C@JC' C' *' &"0c]' 'A@S+'
';=NN $ '&%'<$- '83!'/ .EG';KO(-,'QE2 7B A' V@'
J '+>C@' -'*B@C-@ 2 :V+ -A@' ' ,@J D' !-CJ-,2 AD' +LP' -+B@C'
J>, . A2 (@'E@' +C@AAGA.@' ;M=M ' ' 8 'C) 0
*('S ' ;=Q B@' ?>+ +-A' -' 3 A+' A+-'%C@ @ 2 0 ,'
A+-'!@CJ-,@2 AD' >?@J 'A+-'$ D B@
!@CJ-,@+'8e>J ,@+(' ^D'5' *&! ('&C
*&! 'D?'-' *&! ' *)!!) -'8 @@' JC@ (a
' BG?@' ,D'+BG?@' 10
$';M<L' E D) $ >' $1 !$ ' A' ' =NQ 8% ,,@Da' !@CJ-,@+2
E@ >@' +' C@@J@+B' ,-A.' +B@' .C->AD' XK)' ') ' -$ 0
&' 0(, !! 'P ! '$(&,@ A+'+B@' B-C+' ,@AD@C .C 2
A+@CC>J+@D EG', ++,@' +C--J' -' !@CJ-,@+'C>AA A.' A'D Y
-CD@C' B@C@' AD'+B@C@
/' $ >,' *&! '& !' @@' I>-+'
SKMM $ 0'?&0 2 *&! (A'@ @A+ ,'*)C>?@CG' -,'
-E+ A@D' C-?' "-)' *"!!) -0 ;K<Q' **'&(' (
0(*&! '&
!@CJ-,- D'8 J+ ,-D(' ^ ' ' * '+-' C@@J2
* ' ' 1 'N' .)!V' G' ' 1 .)
SKM' . $ 0C$*. '8;K<;(' 'PQO' >C@' ,,@D'
'+B@'!@CJ-,-D'g' B B' '+B@', -> '-'+B@'J-A+' ' +B' B B'
+B@' @ @C ,'J-A+'-'+B@' J-,-D' -?@'> @ @,G' A' -A+ +'
+B'+B@'+ A.@A+'J, A@2 AD' ' ' J@ @'-'?D>, +?.'>C @
!@CJ- 2' C A+'-' 18
!@CJJ@,G 2'-E ' -C?'-' B 1. '!
'!@CJA, '8 >JX), (' N&&!0 &2 @CJ>, '8 (2'
^?-D '>@' -' , +@', , ' *)!$' ? ,,' @CJ@A+a'
'? CA@' AA@,D' B B' AB E+'' '+-C+>->' ' , Y
C@->'+>E@
;QMQ' C !0' $' 0 '=LO B@'!@CJ>, 2-C'7-C? B@,
SK)' = =B ') >' ' -'06 ' 0OPM O@A+', U@'+B@'
+>+@'-' '!@CJ>, ' $ //' : 7. '<!$),)' ;O= B@' +>E@'
-'@CJ>, @' AD'-+B@C' AA@,D@' SKKS' 3 . ' ' $'0
'%) & $' 'QQK 5, BA.'->+'- ')B+ +@C'+B@'? AA@C-'
'@CJ>, ' +B'+B@'C JD+G'-', .B+AA.
"@A @'!@CJ-, -@ 2' !@CJ+C,@ A2 !@ CJ 6D2
!@CJ ,DA2 K@ SJA,,A@2' A' AA@,D' E@,-A. A.'
+-' '.C->J'-C' ?,G'-' B B' *)!$' ''+GJ ,'
.@A>' !@CJ>, +@' <& (' - ,' @CJ>, ' , -2
' -C? +-A' -A+ AA.' +B@ @' +C E' *)! 3'
:' !@CJ>,- D'$0(C@ @?E, A.' -C' BC +@C + '
-'+B@' @CJ>,?
)S'C ''"' ",!044 2';KO ;')!@CJ>, @A' 6AD@C'+B'
D -A' ?C U' CC A.@'+B@' .@A@C' * & ' *)!$(
-E$(<$! &!$ $(AD' $!) 0 $J[' : &10'
' ' ' -0 'S ' LL= B@' @ -AD'^#CD@C(B@' 8! .AG(
A ?@'!@CJ>,@ A ' ;KKL' ' ' L== O 'A@ ' J@ @'-'
@CJ>, D2 E@,-A. A.2 JJ C@A+,G2 +-'+B@' ! E@,, D@' SKKK'
. '# ' ' - (% 'MNK '& ('!@CJ>, D'
C!$,&) '1 ' .$!$'h ($J/' : ' &10=' ' 0 ' -0
'S ' L== B@' c!@CJ>, DA2 A'.@A@C ,2 ? + +@' +B@' JC ,'
+C> +>C@'-'+B@' C B@, J-D' AD'-+B@C' 3-6> A' SKK

C $0' ' 'O=N')*$') '!% $(-A@'-'+B@'
!@CJ>, A@' ' ;KOK LO 9 !T *)! (J@+C @D' B@,.'
-C' - ,C@? A'-'+B@' .@A>'!@CJ>, ' 4KPM 7 ' (
5 .(< &!0 S' ;SK' 7@'C AU' JC- -A ,,G'>AD@C'+B@' B@ D'
$' ' ! $' > B'-C. A ?' ' @CJ>, +@'8 -' ,)'C-?'+B@ C'
C@ @?E, A@' +-'+B@' @CJ>, '-'@S +A.' @ (' ;KKN :'5'
' -' >,'-' *)!$' & $!' ' '+-' ,?-+'?@C'+'+B@'++,@'-'
!@CJ>, +@' SK)' $) ';L' - 'L= ;'5> -D B ,@ 2 !@CJ>'
, +@ .C +2 AD' ,?@ +-A@2 $';K=L' ',",!0 &*08;K=P(
OQO X' B@' !@CJ>,- D2 >?EC -D2 AD' "C>DA- ')D@C'
B @'A-'B@ D
+!@CC2'O' 10 , -@CC@'^D'5'*)CC)Cf +'
$ '8> @D' A+C2 +-' ,- @'>J'+B@'C AU (J-J' '
(-C' , ' ' $',- U2'E-,+a'
%!((*$ 0 ' AD' ' 0 -'JC@ ' ,- @' & T(@ J'
+-' @CCG'+B@'C AU 2 -C?' ' @CC @D' -?J AG
;PMO' ' B '+C' $- '!') .@ $ 'L;'E2 B@'%BC Y
+ A ' @CC@D'+B@?' @,>@ ' AD' B C.@D'+B@?' ;MNL' : .'
0) . '8;MO;(LL' @+' 2 @CC@D' +-.@+B@C2 -C E,G'
EC@ U@' A+-'+B@' C >@C' OMOL' 7 '[' * &'';K "
C--J@'-'MNN " -C @' ,- @' @CC@D' ;MOM ' "! $'e' KO
B@' ?-C@' .C- @'-'+B@' A. E,@'& C+'D-@' -A+C +' AD'
@CC@'+B@?' @,>@'+-.@+B@C' ;)L' '# ' B 'C$!!$'
-$ $'O0 B@G' @C@' -E, .3'+-' @CC'+-.@+B@C' ' ,)' '
+B@G' ->,D' 1 $0 >' !-?@' C E>A@ 2 ->AD'+B@' >,' @CC D'
+-.@+B@C' A' ' @ +>D ' ;Q=Q' ' 0 ' 0 'KK " '
- A' ?@A' @C@2 B CD,G' E,@'+B->.B' @CC@D'+-.@?@C'+-' + AD'
+B@' B- U
'!@C)'8@ (' &'@CC @' ^ '+f 2 Y
Ba
' ' ' EA,-A'? CA@'?-A +@C
B@' C+'I>-+' 'D->E+>,
O&/+' = ' .08 ! (== ;;QQ' B@' I G B@'
DC . A2 @CC'?@A' ,,@' '$/A+') 8' &1!' "% -0 SS '
A'?$1 '? .(!@CC '' ' G B@' +B' .C@ +'+@+B@2 AD'-A'B '
E U@'B@'B +B@' B CJ@' GAA@' ,GU@'+B@' -?E@'-' ' -U@' AD'
..@D' ,GU@' ' @' O) P' , $ &!0 !1)-'8@D' '7C .B+(
OKL' ?-A.'+B@'?-A +@C' -'+B@'D@@J'-A@'-'+B@'?-+'C@? CUY
E,@' '+B@' @CC'-C' @CC@ ' 7B@A' ' @CC@' @@' ' BJ2+B@
E@+ C@'+@,'>2 + ,@'>J'
E ' ' B
;KP=') ' $!) 0 =SK' B@', C.@C' AD' @C @C'+B@' DY
@C CG2+B@'?-C@' CD@A+,G'D-@'+B@'@CC 'D@ C@+-'+-A'E ++,@
-' B@' B' !*$)) ' $(->AD' -A' +B@'
- +'-%, -CA
;K<M :'#$/' '\'I' $3' ' 0' ' ! '- 0 'P<Q
/ ' /@A+ +-A'C@ @?E,A.' +B@' +@@+B' -' ' 2 '
-'+B@'@D.@'-' ',@ 2' +B@' >+>C@'-'+B@' U>,,'*0 '
+B@' '+@@+B'-' ' @CC +@D' @D.@
SK--'C !0' $' 04%'=LP' B 'B ' '@CC +@D'@D.@'E>+'
+B@' @CC @' C@' -A A@D'+-'+B@' -+'J C+2 A-+'@S+@AD A.' +-'+B@'
?@?EC A@' -@CA.' +B@' E-A@' ;KMM $ 03'?& ($(
$) (+B@' +--+B A.' +' +B@' @D.@'-' ,@ @' AD'
?, C E-D@' $0'#) ' \' 3 0 '
! ' - (A ';OKP !@CCX@'-'JC@-J@C ,@' +' A.,@'E,>A+
'!@CC ')'8@'C(^&. $' '%'
!, $0 a 'CD.@'-'?-AA+ A'-C'B ,,'8A'&-C+>Y
.>@ @' +@CC+-CG(
OKLN C&) $!:' &' ' 0 $!! 'OPO' B@'E>CC DC @C'
U@J+' B->+ A.' - @C-> ,G2 +-'D@+@C2 +B@G' ?D2 +B@' -, @'
C-?' -? A.'D- A'+B@' @CC ' 4K=M '<) '? $0 !LNK
B@' +-C? J A.' - @C' 'B .B' !@CC . A' ,+@C@D' +'
->C @' ;KPL')'$' 9 .. ' ' -$0&'' ' , &';=Q B@'
.C@ +'? CB' B B'@S+@AD'C-?'+B@' ? X-A'+-'+B@' @CC
'!@CC D ,, '8@C D3 (' , -' @,, '^&. 2D?
$& ' % '5' $!. ' 'UAD'
- ,- @C'>@D' ' ' -DD@C J, A+
$ &%) . 3' 'V' (P=Q%,- @C2 3@D U2 > @CA@2
C@ - ,2 \ 2 C@' @,, UA- A' -DD@C J, A+2 ' C@' , -'! A+'
- A2 #CA +B-J>' -C' !@CC D ,, ' S! !-' 81B)'C&) $!
SK'%>++ A.' @CC D@,, 2 ,- @C2 AD'J, A+ A' -C' + ,, @@D A.'
!@CC D-?2'-E ' -C?'-' $$ "
!@CC .6-2' ,,2' , 2' -E ' '

!@CC A'8 CA(' ,. .(^D' ?-D ' Y
')(' $' @@' ' AD' ' V' ' B'-'+B@'
.@A>' $')'-C'+B@' ?,G' $' (B B'
A ,>D@'? AG' --D' B@ 2 '+B@'E, U' @ E
A +J 8'<'0N&&!0 '=L<'!@CC A'!J ? ' A &A :
C$! ' 'C " 0< & 0 '=;M' B@' OC X@A' !@CC A' A /A'
< ' $' ('PQ' B@'!@CC A'= $' '$+(
@CG'A>?@C->' > C ,G'^-'+B@'C $ WO
"@A @'K@CC A- D'+X' AD' 10(E@,-A. A.'+-2 ' B'
-2 +B@' ? ,G' $' (
$ &<)!@+' $0' ' D)$,' ' -0 =;L' B@'!@C'
C A-D'5 B@'-'+B@'& '%- +
!@CC ,? ->- D' 8 @C) ?,?)A-D(' ' 0
^ '?-D ' $$!-&' (^$!'& ' CC@.' ' $'
'i' $!-&' " ' @@' ->V a' ' B'-'+B@'
!->+B' ?@C A'.@A>' ' $!-&0
SKK-' " $' 'X ' B@' -C ->'!@CC ,?-A-D'
-'+B@'!->+B' ?@C A'C @C
!@CC +@'8 @C) +(2 $0' %B @ ,G' $0' (^D' '
3) (' $' ' @@' * ;' " A.'-C'
-C? A.'C- '-' ? ,,' JC-*@ +-A'C@ @?E,A.'+B@'
+@@+B' -' ' ' * ..@D' -C'A-+ B@D', U@' '
$ '!$%' @@' I>-+' ;KMM
S □'9 . ' $!' $0'A' 'e' L'ON< #E,-A.' BAA.'
@CC +@' ,@ @ ' XMb' ' $ &' '8XM)(' ;=P' ,'^0 CD a'
+B +B @' @CC +@' @@+B' C@' CA -C-> ' A>AJ '
C "\00 &!0 'S '8OQQQ(OPM '& (!+C-A.'E--U@D' ,-A 2
8-A@'-' B B' 'C@? CU E,G' @CC +@'-A' +B@' D.@('+B@'E@++@C'
+-'B-,D'+B@'C&C@G' SKMS' ' $'0'?&0' ;PK B@' ,@ '
' @CC +@2 ' A'+B@'-??-A' @++@ 0 XKMM $'0'?& (
$ (B A.' BCJ' +C .B+ @D.@D'+@@+B'J-A+A.'+-'+B@'
J@S' 7B@A'+A@ @ C@'+B@? @, @' @CC +@2 +B@G' C@'E @C'
C +@'-C'D>J, +- @CC +@

E' &-10(' ' $3*' ('3&& ' D*' ' '
%<
+2<L'= 3' $' 0'?&0($&3, !$'-%&!) -('!@C'
C +@ , ,@@ I' 1 0(' $&3 ' $)-%&!) -('!@CC +@Y
+--+B@D' ,@ ' OKPN 5'= '?) -$.'LOL' !@C +@ JA@D'
% + B' ')' +
!@ [4 +@)b' +' $ (JJ,' +@?'-' 3'
$ ('%0' ' 2a
n $ ' 0 -' ' #A,G' A' E,' E
;P<Q' ' 0 0 <) -$)' ' 0) 0LK ;' B@'?@?Y
EC A@'&@C-C>?' B B', -'A' @CC +A.@-C' A.@'? .B+'
E@'-?@'B AD@C A @
/' $')' -'? U@' @CC +@D'-C' +--+B@D2* .'+B@'
@D.@'-' +-' ?JC@ ' A' ' @CC +@D' -C?
;QPN'C !0' $' 09 '=O B '? CU ' ->AD ?Y
JC@ 'D2'-C' @A >@D'-A' +B@' A@' B@,,' OKMP' &-0 $
=' # +2' B ' -?@C' -' C@, AD' ' E ,>+@,G' @CC +@D' +B'
E G ' ;KQQ ' ,",!!0? ' 'LO ;' 'G->' ? U@' AG C>D@'
U@+ B2' - ''J C-' B@@, ' +?.'+-.@+B@C2 AD' @CC +@ +B@'
@D.@ '-'+B@'+@@+B' ;K<L'I'F " ' , 0), "'=Q B@', C B@'
AD' ! -+ B' C'+B +' @CC +@'+B@', -A)'CD.@' E-@'
!@CC +@D') G ./ $, ' % ,0 KO
3)' '1'* ' Y $0' 3
OQNL' 1 'C&"0 2' &!!$'';PM B@ @ @' C@2
,U@'+B@'+-J' @ @'-'?$ $'$'-$&& 0' A'+B@'5 .>C@'+B@G'
C@'C@JC@ @A+@D'+--' + 'AD'+--'?> B' @CC +@D' OQMK R
'? 0'N&&!0 8;QQM('=M< B@'E,' A@,G'+--+B@D'&5
@CC +@D' OKNO 8'< '0N&&!0 'QO !@CC +@D' -C+-)'
OKOP' $! -0SS 2' @CC +@D' AD'C- UG'?->A+ A'
;KL< =Q & > ' ",!0' '$0 0'M=P 0 B@! $- ') - 3'
$) -'8 @CC +@D'?@?EC A@'- -CD-A(' XKW'= '
,$*')' 'S2 B +' B+@' JB@C-D ;' ? 2 +B' +'
.CAA A.'C- ' AD' @CC +@D' >+>C@ 2 +B + ' 'B>? A' U>,,'
;KQK " 3' . ' $.' &' 0 'S '=LN O C@' AD' @CY
C +@D'B ,,G'CD.@
!@CC + '8@C @+U(2 $0' C$ 0 ^'O$
' i -a' $@ @?E,A.'-C' >..@ +A.' +B@'
?-+ -A'-' ' ' +B@' ->AD'-' A.' b' *
' 8%' M '**!0'$0 O(
>! '(' '<$' 0 & ' &$'';NO B@'&>, @' '
, G' ? ,,2 $,(-C' ,U@' '! 2 B CD' AD' >A.> ,'
OKP<" 1.' * $'O<M 7B@A'+B@'C@ JC +-A' ' C@Y
I>@A+' AD' $,(+B +' '+-' G2' ? + +-A' +B@'A- @'-''
' >++ A.' ' +-A@
!@CC + -AA8 @C + J ?(2'$0 K$O$ 3)'
'$0 i'* " ' ! B J@D2 @CC -C?
$ AA' 9 ' ' !& $' 0 - 0 'P< B@'SA S)A'
'? CU@D'EG' E->+' ->C @CC + -C?' AD@A+>C@
i'!@ C +,1' &0 10 , -' M' SC +G,,@'
^ '5' $! (D'?-D ' ! (' 3)'
'$0'H @@* ' ! ,U@' @CC +@' @CC +
OP=O $' 1.)'<)" &'!'A) 0 ") 0 /' ' B@'
-??G >C@' ,-' '+B@' U>,,a' ,,@D' CC +G,,@' @ ?@'@A'
D@A+@D' '+@+B@'-' @' OQNQ -. 'C " ,0C)! 3'
$, ' ;NP' B@'&>, @' A' ?-+' A , ??++-A' 'B CD' AD'
@CC +,@
') ?9@ .$ K $ O 3'
&' -($ $') ' '3= .
$) 0 B@' '-' 1 $ $ Y 0
OQNM .. 1'8@D'9@C @G(
/' B@' -AD+-A'-'E@A.' @CC +@D' AD@A+ +-A'
,U@'+B +-'' ' B@,G' - (AD'*0(,U@'
AD@A+ +-A 2+B@'+@@+B'-' ' @CC +@D'@D.@'-C' >C @
OK=O)' $0 $''S-S B@' @CC + -A'
->AD' +-'C@ >,+' C-?' ' +C> +>C@'C@ @?E,A.' ' @C@'-' AY
@C+@D' -A@ 2@A C,A.' '+@A+C ,' +@?' OK=< / : 8
- 0 C&)! " 0 8OKPP(LK' B@' -?E ' ,-2 +B U2
D@ ++>+@'-' @CC +-A ' OKPO B ' &' ' 0 'S '
e'K B@'@G@' B B' B -A @'E@@A' B E +> +@D'+-'+B@' -AY
+A> ,' @CC + -A'-'+B@' J A@' -C@ +' ;KQN ') 0
!& $' OOO / @CA.' A' J>E@ @A @ JD' ?->A+-'D->E,@'
@CC + -A'-'+B@' ,@ ,@+' OKQO'%' 7' $' $ $'
[=;' / ?' @CC +-A'-'%- +' $ A.@',--?' AD +A +-A'
+B@'B XG' C' OK<Q'&' 9 B 7' ' ! - ';OL'
+B@' 'C@ > @D '+-'E +@g' AD'B@'B D'+-' +BDC ' +'+-' @@,2
+B'B '+-A.)>@2 '+B@' @CC +-A' ' +,,'J@C @ +
!-CC +C- +C ,') 0 ?9 ./ $0' - .T'
K$:$) ' 'H ! 'H a' C
M*
!@CC +- +'>@D' ' -?E2 -C?'8 @@' N(-' '
%) ' '$0 A'+B@' @A @')@CC +@' AD
'A' ' @CC +@' ? AA@C2 +B' @CC +@' AD@A+ +-A'2 '
$ &3, '$ (3 ' $ ('3 !$')!&) ('& ' D*
OKPQ 2'= ' $' 1.0 ? (' '8@D'L(=N^& AA>,@ a'
@CC +- C@A +@' OK=M 'N&&* 0 8;K=K(OQQ ?@,E@'
+B A2 C@.>, C,G' @CC +- D@A+ +@' 'OQQL'' '#' ?'
C!$' ' ,- 2T $ & !$')!&h (E@ CA.' ., AD' AD'
J C+,G' @CC +@D' ;KOO : ') !0 " ", &'0;K
)!@CC +- JA-@'E@-C@ AD' C@A +- I> ?->'A'+B@'B AD@C
J C+
!@CC +>C '8 @ C!+>*2 +*-(' ^D' ' P) $(
')' @@' '$0 AD'*, .'f'
[!=4 $' 1.) '<)" &'>'A) 0 ") 05'*'E2 A'+B@'
+-J' '@>@CG' -'+B@'-'+B@C'@S+C@?@'G+@@' A' >++GA . @'E- @D'
CC +>C@' B B' ' -?J-@D' +B' A' DDG -A' @CG' >E+G,,G'
? D@' AD'EC@D'+B@C@2 $'A>A/'9)8)' $$!0 &0 &L'
' +'OP B@'!@CC +>C@'+- CD'+B@'&- A+ C@' A+A.' -'
+B ' --+B' OQMN :' ' ' & 0'?&0 ' 8;QMP(K+'
)*!,$ &3 $ ((H H5fN '+B@C@' ' + --, D'!@CC +>C)'+B@'
,@ '>J-A'+B@'.C@ +@C' SK-' F$ G' ' -0'? &0 8;K;L('
L;<' B@'@D.@'-'+B@'? AD E,@' C@'? CU@D' +B' B CJ' @CY
C +>C@ ' OKML' 3:' ' ? 0 & ' ' ;P B@'
@CC +>C@ ' -A +A. '?@C@,G'-' @,, 'JC-*@ +-A'E@G-AD'+E@C'
A@ .BE->C ' XKK-'<B ' 'OSP' A'&@+C-?GX-A'+B '
@CC +>C@' 'E @A+2-C'E>+' >A+,G' AD +@D
'!@CC +A ') ?=?.$ '$0 K O '
O$ ')' ' ' ' 2' ' ' '
1 ' ' ' 3 ! ,' '
' ' 1 2' ' ' '
! :' *0 ' $)' -$ ')(1

-AA@ + ' +B@' @ .B+' >JJ@C' C E ' AD' +B@' @C+@EC ,' E-CD@C' - '+B@' B->,D@C E, D@

SKKS' = 3 ' $ 'OQ<' 7 B@C@' +' 8J- +@C -C' +B-C 'A@ @a' ,@ '>J-A' +B@' @CC +> ' ?> ,@' XH (< 1) >' " 0' (' 0;N' B@' J- +@C -C'E-CD@C' - '+B@' J>, ' JC@ @ + ', U@' '

A.'- A.'+-'J C ,G '- '+B@' @CC +> ' ' '

!@CC Gb'-E ' -C?'- ' !'[m '4 l

'!@CC G @2'-E ' -C?'- ' . " f

'!@CC@')8 C(2' ^5 2' E,' E2' ' D J-J' '

j i'!@ CC A . 2' 1!0' 10' ^ ' ' 'i'" 7' a' CC GY A.' A' ,- @' -CD@C

SM M' ' " $'e' Q;=' C AD A.'-'+B@' @@+B' ' > @D' 8, U@ @('EG %) +B@C?.' AD'!@ C A.-'+B@'!J C+'+-.@+B@C' +-'C@ +' ' '

!@CC A . 2' -E ' -C?'- ' 7

'!@ C J@D8@2' ' ^ D' ?-D ' * 3('3* (

4KL4 = 7 . . 3 3' +C' , $ ' ! - 0' ? & 0 $'!?,,' ,- @C 2 @ +B@C' -, + CG'-C'D J- @D' A' ' J U@'-C' @C+>,@' SKMM $ (?&0 ')!) - (! ?J,@'>?E@,

'!@CA, ' 8 @CS,(' ^!@@' I>-+' ;MQK a' B@' C@D EC@ +@D' ? @ C . A @ C 2 $ & 0'K

! @ ? ? ' 8) ? (' &, ' ! FC ' 8 , C) 2' @C> ? '

8) &?X(' ^ 2' ' B@G2' +@CG' ,> D (

$';=NN PN $ ' ! 5(<;K'8/>E,' 3 ! (' B ' C@U@'-' ,,'
C >A B@'-'UGA.' JB ,-J' B ,D@ 2 \' @C> .@' BG?' .B+'
$';PLL') ') - ' SSS ' ;NP' " @'D-+B' ?@'G@C@,G'
@C> .@'EG'+B@' @C>G @'- ' 'CGA.@'-'.-,D
+ ' ' @C @Z -C' + ' @I> ,@A+' A' ?-A@G' -C'
U ADZ D>@' C-?' ' @C'+-'B ',-CD' ' 1 (
;=S= &!! '&%'C$! 0' 'PK ;' B@' -+ @ D@'%E A-A'B '
,@G ?@D' E-AD@' @C .@' AD' > +>?@ ' ,';=MN ' "' (
;OOZ Z "@ACG'-' ! >AD@CZ ,@C UZ L @ ,' ?G',-AD@' +B'
,,' @? @' AD' @C> .@ Z ?@A' ^@+ a -'+B@' ?@',-AD@

>, @' . >@'+-'+B@? ' 6-@C+@' AD'%C@@D-?@' C-?' ,,' @C .@'
AD' ,' B C.@
! ' !@C .@Z @C D-?
;K=K = . 'C&!0' ,&'0 ' ' O)K ' J@ U'-'A@.C-' , @CGZ
A-+'-'+B@' @C .@'-'+B@' !, -A 'A + -A
' = 3 2/' 1($ 0 K$) '1'* ! .'
h') ';
,';=NN $) ' & '?.0 ;=N' &-,,@> ' B DD@' @,' .C@+'@A G@'
B +' ?@A' D@D@' B ?'^: -Aa' > B@' @C> .@CG' 1 (;;=<='
"@' 'A-+' -C+B"' -'B >@'-'B@'? ' > B@' @C> .@C
3 '8 -> ,(' ^ Z ?-D ' $! ' 5' $!'
8O> -AZ ;QMP(Z ' &. ' =!&1&+' , $!' ,GAS' 8 ' 5'
!&) *3, +0c]' i' $' 'A ?@' JJ,@D'8 +@C'OA -A('
+-' -?@' + ' ,D' +' -C' ,GAS' , -'+-' A'
?@C A' A ? ,'C@ @?E,A.'+B ' 1(E' ' CY
A -C->'I> DC>J@DZ ! ' $! 'A + @'-'!' C 2'
B A.' '+ AG' - + J-++@D' +B' E, UZ ' B-C+'
+ ,' AD', C.@'@ C' ' +B@'1) . ,$'F B '1 3 (
S' ' A)$)* ';KM %,,@D'EG'+B@'A + @;
-'3 , E CZ+B@' 3 C J>+@'EG'+B@'&-C+>.>@ @Z+B@' !@C ,'
;KNN' 8'<'0N&&!0 'LM<' B@' !@C ,' ' 'A + @'-' AD '
AD' E@+' AD' ' A'@S+C@?@,G' @C @' AD'C J ->'A ? , '
1 0 LQN ?@C A' !@C , AB E+' -C+B' ?@C
-A D@C@D' ' ' ? ,D' AD' .@A+,@' A ? ,' ;KMP' B
C 0' - ' 'OMO' A'+B@' @A +'% @' +' EC ,+ C'
^+B@Ga'B @'D - @C@DZ +B@',@-J CDZ,GASZ @C ,'^@+ a' ;K<<
5' ': ' *&' ' 0' 0' % ,$'LO;' B@' @C ' ' +'C@,@ '
B>A+@CZ AD'C>A 'D- A' +'JC@G
3 /-E ' ! ' -C?'-' 3 .
9 3 /' $0' N&&!0' ^ D' ?-D ' $! ') (
Z $!' @@' JC@ a' $@ @?E,A.'+B@' @C ,
4KQM C &,0N&&!0' &,0=;L' ' -,,@ + -A'-' A.-, A' A ? ,
$$ 3 '>$ ' ! ' $! '$0 '?3 '71 A'$
3 ') 33 ./ 10 ' $<_ '
3 /]' 3 / /] b' 3 / /
3 /] M' 3 / / 1 / /
3 /]_ 3) / b' 3 / 1 /
/ / 1 / 3 / 3 1 /
b M' 1 /M' 3 / / 1 / '
3 / 3/ 1/ 1 /<' I
3 'D) $ '<]' 3 A/]' .D0/]' /
3 /] b' 3 /]/ _/ & $!(3 /
b M' 3 /M 3 / $' K$ $' $' (
! $ ' $ $ ' '
C ' $, $ 2, ' / $, ' ,33 ' ' '
$ ' ' ' $ ' ' ! '
D ' '+ $1 ' 12'! ' ' ! '
/1 2 $L
'J@C -A'-'@+B@C' @S' B-' ' A'+B@' @C @'-'
'? +@C' -C' ? +C@ ' -A@' B-' 'AAD@C' -E, . + -A'
+-' -CU' -C'+B@' E@A@ +'-' ' ' >J@C -CZ AD'+-'#E@G'
B '8-C'B@C(-?? AD
' 'J@C -A ,'-C'D-?@ + ' ++@AD A+' -A@' B- @'
D>+G' '+-' +'>J-A'B ' ? +@C' -C' ? +C@ Z -C' D-'
@C+ A' -CU' A'B '-C'B@C'B-> @B-,DZ 8 B@'> > ,'
@A @' B@A' A-'-+B@C' ' AD +@D' EG'+B@' -A+@S+'
-?@+ ?@' +B'D@ A A.' -CDZ ' &- , $' '
E** ' $' ' 'D-?@ + ' @C A+' - '>J@C -C' .C D@'-'
@?J,-G?@A+Z 'E>+,@C' -C' 'B-> @U@@J@C' < ' $!' $' '
8 @@'< .'$T' M(Z $' '&%'$!!' 2& .' ' ' @? ,@' @C A+'
B-'D-@' ,,'U AD'-'B-> @ -CU' $' ' $!!' A' J C+'
?@A+' -C'> @' ' -??-A'C--?'EG'+B@' @C A+' A' ' , C.@'
B-> @
$'4 ' '', 0 0 =OK -A' A C@' @C> A+'A@'->B+@Z ? D'
C E+@Z >-C+-' U@A' @++@' B>,C@' $';LNN) & ' 0 OPMN'
%B ,D'B >@' ' @,' A AZ O-+'? @C> AD' >A' ,A'J +' @?@'
?@Z@,@ X C^ '<'(S 'O2 >,.'%!) '* &,)'$& ' &-)'
' 5](,'MJI' B 'C &!0',-S' '1@? A'B DD@' E@' AD'
@C> A+X' A ?-' ;=L)' A' 5 L.' *0 (0 &--0
JJ' 'ONP' + A@' B@C +@C' B ,,'A-+'E U@'A@'EC@ @'
E>+' -A,G' EG' E ' ' -C' @C ?+' ;==Q' !!' %&
0 8% ?D@A(;N ,,@' ?@A'- 'E E +@' @C A+' ' ? , C'
UA @D' +B->+' AG'C >D@'.@A@C ,,G' - ' $!'
-0 > ' , -&' '8;KQM(' O<M' C @'B-> B-,D@' @C'
> >A+@' ?> +@' E@' J>+' A' -?@') -D'-CDC@' ;MS;'
"-10 ' Z B + ' A' -'B@C Z & A -Z B@C' -,D' !@C> A+'
$>K' = ' ' %'73 & (8;KM;(: ;KL2:' ?' A' .C@ +'
-A @CA' +' G->C' E@ A.' +B->+' ' @C A+' ;QKN' & '
-'<M' 7 @ U@@J' ' .--D' A>?E@C' -' @C A+' ;KSL' 5('
$- ' 'K 5@E' K<; B@'@+B '-'+B@'U + B@A' AD' @C A+ Z
B),' $ J/' ' .0 ?&0( ) - ' Z B@' A+@A @D@, .B+'
+B' B B'T ') A+'-' ,' -CUZ B-' '@A+' -C' - BZ
D@J- +'B@C @,'A D@' A &J9) 8 ' A'8*BC' 7 -CD
-0 8;KP;(' 'QM ' +C A.@CZ U@D'-'-A@' -'+B@' @? ,@'
@C A+ J@C? -A'+-' @@' B@C' ? +@C' ' +>DG' KKS'
D) ' $ 'OKP' @+' > 'J@@J' A+-'+B@' @C A+'B ,,'
;<NK' $ ' 7 ' 0') 1 'SS 'O<L' !B@' B D' @ D@A+,G'
,@ CA@D'+B@', A.> .@' C-?' @C A+' AD' Z +B@C@ -C@Z A-+'
I> +@' +'B-?@' +B'B@C' '
' ;=NN)! '&%' ('? ' '8 @C @(P= AD' J>+' ' A +-'
JG A' -C' J Z ,' GUUGD' C> AD@' 'C' -C+BGZ CS --' <& '
* ' 'C!&) ';<#>C' C >A+G ' @' 3- +@'A@D 'J G@'
;P<<' . A' $!"' &"0 $' '8" U,' !- ('=;' :-BA'
9A ,,Z C A+@'+-'3C' 7G @? AZ ? C B A+@' ;M<<')'
') &1 & (84KQ!(O< #A@'- 'B ' C A+' ' ?@' AD'
+-,D' ?@@'+B +'^@+ a
/' A' D@C' @A @'#A@' B-' '>AD@C'+B@'-E, .

+-A'+-'C@AD@C' @C+ A' @C @'+-Z AD'+-'-E@G'+B@'
-CD@C' - Z ' J@C -A'-C' 'E-DG'-'J@C -A Z @ J' A'
C@+>CA' -C' .@'-C' , CG
;=LL' &!!'&%'C$!0' ' =QP ;' "-'+B +' ,+@'B@' @AD-'
A+-'OC@+ GA' 7 >+@C C@A B@ G,@Z B '!@C A+Z5 +->C' AD'
++->CA GZ+-' 3 C B AD @'+E@C' ;MKL' 7 ')7 ' $ "'
8" U,' !-(' ' KP' 1Z "-A))Z %-?J AG' ' !@C A+ ' ;QN='
' '), 0 0 8;Q;=(' $;Q '&-,GD-C@' C. ,'!@C A+'
+-' +B@' &-J@' A' +B@' ?@'-'9' "@ACG' ;QKL' B '
*0 %%0 7U ' ;K=O 'M #A@'JC- -AZ AD@@DZ '
? D@' -C'C@ +C A A.' +B@' @C A+'^-'+B@' I ' AD'%-?J a'
SK)' - ' M' - ' = ' @CG' ++@A+ -A' ' J?D'EG'
@C A+'-'+B@'^C , Ga' -?J AG'+-'+B@'D@ @ @D
E ' JJ,@D'+-'+B A.'8 B@ ,G ' +B'? -C@' -C'
,@ '-'J@C -A + -A(
,'4LPN !!0' C$! - ' =MQ' *+' ' @C> A+'+-'?'B@C+'
4L<N< 8 ' &'%0 " ;NN ' +' 'A'&B I>@' C +@' #'"@C@Z
-'>A.@Z - ' . ' J,@AZ B@' ,,@' >A+-' +B@' B@C+@' +@A'
!@C A+X' ;ML< ' . ' C$ & -&!& $' ONM 5 C@' AD'
+@C' E@' . --D' @C A+ Z E>+' E'D@' ? +@C' SMKK' ' . '
-&) "' 'LON 0 '!B- @,Z ' '!@C A+ -C' @ @C ,'> @'
E->+'+B@' DG'%@C@' ';Q=P' % '?$-* 3 &&' ' $ 2'
/ J- A.'+B@C@@ -C@'-'B ' +B >,' !@C A+ Z B ' "-C @'
AD' @' A' OC D. +@C' ;<NN $!"' 2 ';<5@E' M L'
B@G'UA@ '+B +'+B@' ?J C@' '+B@'E@ +' @C A+'+B +'? AY
U AD'E D'@ @C'B D
'@' 6 @D' -C' 7 !' ; !' A' C->'
@A @' 1 0
;L ' & ' ' 0 ;M=;' "G'UAG.B+@' @C@A'DG.B+Z ,'C@DGZ
!@C >A+@'-' C?@ Z AD' I>G@C' ;L=N' '10 LQ J@'-A'
+C@ @'C@>@A'JC->-' AD'E@D@,@' AD' @C>-A ' +@,@J'J@'
?@AD@ Z AD' GJDC)@J' J@'C@A+@'-'B C@' E-CD ' 4PSX
&'(A' &' $ &E [,(8;<NQ(;PM' B 'G@C' S' @C> A+ '
-'J@' -G '? D@' OPSL' ?.0'V)"' ' '=B'Z A'?$1 '?.0 '
,'G '? C B ,,Z I>G@C' AD' @C> >A+@'-' C?@'E@'+B@C@'
;PM; O' 2' 0'< % ' A' B-,'C & 0 ! 0(8;KOL(;OQ
-':-BA'O@++ Z !@C @A+'-'+B@' & +CG@Z+ --'.> ,+' J--A@
D ' #A@ B-' +' ' -CU? AZ % '
N ;'LM' 1 0
;PP= P' A' 5 $, ' 0 ?) '? 0 8;KQ;('L;L' +@?Z
+-') D' C B ?@Z ? ->AZ -C' B 'N>,U^' .@' SS * '
+@?Z+-' >C@A @'& +@C -AZE ' @Cg AD' *
$ JJ,@D'- '+-' AG' + +@' - ,Z' ,'@SY
JC@ A.'B 'C@, + -A'+-'+B@' !- @C@ .A' ! ? , C,GZ
$' '&%' ' $ '*)1!,' $' '@+ ' !@@' , -'
3.' 3 K
;PQN' B - &' &)''7U '8;K<O(LL' O@ A.' A@
>D@' > AD'+-'G@' C->A' ;MNQ' ' & 0 ;;'B 'SKM B@A'
@'B D'A-'&- @CZ O>+' ' J@++ @' @C> A+'+-'B@' !+ +@Z
,';M=P' 8 . ' 0 8;MPN(0;SO O@ D@'! -+' AD'! , @C Z
+B@C@' C@'D @C'-'+B@'9 A.' ' @C A+' +B +' C@'JC-+@ + A+ '
$%I' ' 55X 7 'LNQ' ,+BGE,>' AD' >CG+@) -'
J>E, ' @C A+'-'+B@'U A.' @C@'+B@ @' $> >'9 '
)' ' $->' (< 0? (' A+C-D' ;M 9 A.'7 ,, ?'
-A+'+-'-E @C @Z +B +'B@' .-+' ?-C@'+C>+B' C-?' 'C.G,@'
+B A' C-?' ,'+B@C@ +'-'B ' @C A+' A' ! -+, AD' ;K=P' <7'0
' 5'C$ 0'C$* ';KLO ==Z MLO'&>E, '!@C A+'-+A.'
,@ + -A ' ;K=< = B ' 0' ' 0 ' !QL' B@' B @'
@C A+'-'+B@' C- A' -C?'-A@'E-DG' SKKK' '$' .) "'
7##/' &11 "') ' ' ' SSS, Z 7 @'B DA'+'E@@A'>@D'
+-'CA.'-A'+B@'F>@@A' ' @C A+
' A'+B@' ;M+B')' @C+ A' -?J A @'-' '+-C'
@C@' J@C? ++@D' +-' D@ CE@' +B@? @,@' ' +B@'
T' @C A+' '-' -?@'A-E,@'J +C-AZ AD' A'+B@' ;Q+B' '
? , C' JC ,@.@' @C@' .C A+@D' EG'+B@' - @C@ .A'
"@A @' A' ?-D' > @' % '8-C' $B ">' Q
$' ' -?@+ ?@' JJ@ C' ' '*- >, C'D@ .A + -A'
-C'+B@'+B@ +C ,'JC- @ -A
;PP<' ' 0 &' 0' 2 1) "'A'%-,,@C'
& 1 &&. ' , ' '8!B U '!- (' A+C-D'O' 7 B@C@'?G' @CY
>A+@ 'E@' > B@' 'C'J, @C'-' A+@C,>D@ Z AD' -C'+B@'
?@'B >@'+B@', @A @ '+-'J, @' A'D @C @' B @C@' +B A'+@C@
C@ ,?@' ;MNL' A' $G?@C' & $'4 'PNP' : ?@'EG'+B@'
C @'- ' -D' \ '='9A- @' G@'+B + ' 7 @@ 'D-@' ,@A @' AD'
>+B-C X@'+B@+ @'->C'!@C >A+'Z >C@A @' 5,@+ B@CZ 7 ,, ?'
!B U@ J@ C@Z AD' +B@'C@ + - '+B@C' - ' +@ Z 5C@@,G'+-'
> @' AD'@S@C @'+B@' C+@' AD'5 >,+G'- 'J, G @ Z'%-?@D @'Z
C .@D @'^@+ a' ;MN<' A' $. 0 &,0C $' * 3 '
B-? ' C@@A@'^ >D'-+B@C a' !@C A+'+-'->C'?-'+D@@C@,Z
E@,- @@ @Z F>@@A@' AA@' ;M<M ') (!*>A'4 ! +0
B@' "> E AD'E - A'%> U-,D' '%-?@DGZ ' +' ' +@D'
'EG' " ' 3 *@ +G' ' !@C A+' ';KM= '4 ! +' T E@'C'
3 *@ + @ "!@C A+' " AA , '-'+B@' A., B'!+ .@
L' ' A'+B@' ;=+B' AD' ;P+B' '-+@A'> @D'+-'C@AD@C'
+B@' ') ' , @' A' ,,'+B@' O E,@'+C A , + -A'
C-?' 7G , '+-'+B@'$@ @D' @C -A' - ' ;KKN =Z
+B@' -CD' @CG'-+@A'C@J@ C@ @A+'+B@' "@E' G' 31
-C' +B@' C' D-%U-CZ B B' -CC@ J-AD' +-' !$ (
+B->.B'+B '+@C?' ' JJ,@D'+-' C @,+ B' -AD + -A'
->,D' J@CB'E@'? ,@ D A.' $' '&%' $' '
'"@EC ?'-C-A@' A'+B@'?-+'D@.C D A.'E-AD .@'
;LQP' B '?,)' 'OON!@C AD ' AD'+EC@,,'? D'B@'
C@' ;LKO' 7 5'?O .0 SS 'L' B@ Z +B 'E'@C Z EC->)+@A'
@C> >A++'^;LKK'E--AD@'?@Aa' AD'EC @A @ @, '+-'+B'J>J,@'
;)K']'<'0 S'OP' %>C D'E@'+B@' B,D'%\A AZ B@' B ,'E@'
@C> A+'- ' @C> A+' '^ -'+B@' +@C' @C -A a'+-'B, @'EC+B@C@A'
;=KL' $ (' ') X' -' ? U@'!@C AD) -$' *$ 0
'S) ' (')' 0'<$!0' 'LN B@' -AA' -'+B@' @C> AD'
,'A-@E+'E@' >C@' +B'+B@' -AA' -'+B@' C@' @
\'E-AD@' A+-'?-A@G' AD'A-+',-CD'+ @C-
E ' A' +B@' -C+B' ?@C A' -,-A@ ' A' +B@'
Q K+E' Z AD' >E @I>@A+,G' A'+B@'6A +@D' !+ +@ Z
$' ' '+B@'>> ,'D@ .A + -A' -C' ' , @
;M=L' ' $' $0'$ ' $ ' 8;KOL('OPL' ' AG' > B'
C>AA G' @C A+'-C'B C@D' C@@?@A B ,,'JC-D> @' @C+ Y
+@'^@+ a' 4QK=' ' % ' '&%' &''0'8;QK=(;NL' JJC@AY
+@'>AD@C' .@' AD' !@C' A+'E->.B+'-C' ?@C'@S @J+@D'
SK8)') .' $ 0 'OQO' !@C A+'E-A'+B@' + +>+@'E--U'>-
%-AA@ + >+ 'J>+' -C' , @' ;K)' = ' 8 'E',!'
&' ' 0 SS 'OOL' 7 BG'D-A'+' @'+@ B'->C' @C A+'+-'C@ D

! ' A' C->' +C A @CC@D' > @ Z %'Z(0 #A@' B-'
- @'@>D ,' @C @'+-'B ' - @C,-CDZ ' ' 1 0
85SS8' ' B Iu3 ' $, '8$-,, (';;PNP' J->' C-,,@Z
->C' - C->A' 0 0 @C> A+aZ ,- Z C A @'\' ' , >ADC@' C-?' '
J->'DC@ ' ;=Q;' L ' , " !!= &- - +' 'POP'#'C .B+'
A-E,@'UGA.@' ' ' ?'G->C' +C@ @' @C> A+' AD' ,@' ;POQ'
$! 2 !!C$* '83 +, AD'%,>E(+'PK 3 @' :-BA@'3 >C@ '
.C A+ ' ?@' AD' ?GA@' C 'JJ@+> ,@Z+-'+@U>?' ? A' AD' @C'
AD'+ ,,' " @ ' C@'-' . A.+-A@Z AD'+ ,' 'JJ@+> ,@
'E ' JC-@ @D' ,- @C' ' -A@' B-' 'D@ -+@D' +-'
+B@' @C @'-' ' , DG' 8% ' = ';N (, -Z
A'E D' @A @Z 'J C ?->CZ . ,, A+' 1 0
,'OJ%' B ' &-'*!0 C 'MN'!B@ @+B' A+-'G->C@'C 6@'
@S @,,@A @' 1->+ ' @C ??+Z G ' 'D>C +' ?@' -' ,,@Z " '
?-C+ ,' E C?@' $/+' B ')$' $ ' - "' "=NMZ
'B @' A@' @ @+@' @C> AD2' B +' ?@ >JJ-C6 '-' 'A@D
O' : # !#' ' 0' $" ' ') - 0 Z Z !@ A+'8 A' +C-+B(
G->' C@'+--'JC-D .D,' # 'G->C' '+' +C@ >C@Z+B>'+-'J- C@'+'
-C+B' 6 J-AZ ?G' -C+B' ;MS=' 7 ' 8 ' * 0 C * ' '
5' 4E' -C' B +B' B@C' @C> A+ 'A-C'B@C' >-C +@' B +' +@'
B@C' B> E AD ' >A.' +' D-C@' SM -'-)' & >' !0 (
' 5-C' G->C' C@ CDZ "@A @ -CD' , ,,' G->' !-A A+'
;MMM Q -, 13 ' $ "'=: AZ&@..Z AD'B@C' @C A+'3C' - '
B ' $ $>++'). 'C& - '7U ' ;QQK 'P= ! -?@' >+U?'
G@+' D'B @'+B@@> @'7 B@A@'@C'+B->'D- +' ' @C A+' B> @'
3 @A' C@'A-+' ,, ' -C',- @C ' +
N' 7 +B' C@, . ->' .A + -A
$' '&%' ' $' '&%'<& '4) ' &) -' +:'
'+,@' >?@D'EG'+B@'&-J@'8 C +'EG' C@.-CG'+B@' C@ +('
[[;LNN) & ' 0 L;;K' "@CU@>' ' -' .- D' *V + ,,' @,D'
AD' "- 'B@' ,D' AD'B ',@' @C> AD' $';L=N ' 1 .'
C 0' &' ,0 4NKO -C,D' B@C@Z @' E@'D@ @,') ADZ & +'
ECGA.@'B ' @C >A+@' ' +,' B 'B AD' [4;L=N] &C' S 'P'
J '@C@' C> >A+@'+,' J C@' .-D@ ' ,5 ' 9 . 6' .0
8;KKN(LMO' +'EG,-A. J'+-'(V@ .-DB@@D'- ' C +@'+-'+@ CD@'
B '+C@ @' C> AD ' , 9' B 'C$ &'>' 0 M<< B@'
&-J@' ,,@+B'BG? @,' @C> A+'-'+B@' @C> A+X' .-D' ;==Q
' ' " ' ' 'S '<N= !B@' @C> >A+B' ' -'%CG +'?'
E@>@A@' ;PQ= !!' ' ' 0' 0 0 8!>C+@@ (' '=NP' C@A @'
D>A A@' @C AD' +-' +B@' @E>C B@' .-' D-C' 3 A +@C' +'
+B@' B>C B@' -' +@, -CD' ' ;MPP' 4 ! +' ' +C>@' @ + ?-AG' -'
B +' 'D-A@' -A @CA A.'+B@' @C A+'-'+B@' -CDZ +'+B@'
@A@C ,' X@' ' -C+B ?J+-A' $5T'&' # ' - 0
8;QQ;(, ' ' ;<'%BC + A ?> + ' A-+'DC ' E U' AD'
E@ -?@'+B@' @C A+'-' A' ;KOL' 'A) ' ' 0'S)'
B@'.--D'O B-J', E->C'A .B+' AD'D G'+&'JC@ @C @'J@)'
' @,'E@ -?@+B' @C A+-'+B@' ,+ CZ X)S' : ' $?'
"-: ' ' T &2' '!$1&) >' $. ' '&> Z 5 +B@CZ A' BG'
.C ->'U@@J A.' @ @' @'A-' ' BG' @C A+' ,@@J A.
D' &) '4) - 1! %'&1 ' +' $' M -A@' -'+B@'
> +-A> CG' ?-D@' ' >E C E A.' ' ,@++@CZ -C' - '
DDC@ A.' 'J +C-A' A' +B@' D@D + -A' - 'E--UZ
'4) +' $' : ' ? -D@'-' @SJC@ A.' >E? Y
-A'+-' A-+B@C' '-J A -AZ -+@A'@I> ,@A+'+-'+B@C@'
'A-+B A.' ?-C@' +-'E@' D' >J-A'+B@' >E*@ + '
' -C?'-' .C@@+ A.' -C' ,@ @ + U A.
$0 ^;===C& &'' 0 =K' 7 C@+*-'C .B+' ?J,G 'OG'G->C'
?-+' G?J,@' @C >A+' : ?G' C@ B ?+' 4=Q=:% 4 N3' '
/@D Z 1->C' ?-+' B>?E,@' @C A+' ,, ?'+) +-A' ?-A.@'
-+B@) -'G->C' @C> A+@' @AD@'>A+-' -'J@ Z ,'$//+'
V 0' & $'' ;SL< 1- C' @C -A+' AD' 6 ? C@G' - '+C@ +B@Z
+B@CZ ' '?'B@' SM-S : ' 'A' 9@?J@' & !"' 0
8;KLM(LLL' 1- ' 'J' ?-+' D@*@ +@D' AD' J#-C@' @C A+Z :'
/-AA@' ;M=<' $# ' ?' ' $' &' !! ' $'(O>+'A-'
+-' , -@' ,,' ' ?> +' + B B CD' !@C A+'@ @C' & !$,'
. 0 ;MQ '9 . ' & ' ' && ' 0 Z 1->C' !@CY
A+Z] G->C' !@C A+2] 3C'$ A.@C' $% >' ' ' ='C0
$' '7U '8;<NQ(<' G' @A+,@?@AZ 'G->'I>@ + -A'
;)' U A' A'+B@' A.> .@Z&?'G->C'B>?E,@'!@C A+' ;Q)'
^ 9 ' V '&%'$' &-$'' 'O;' A+@C' O- + +'
?&$ 0 !-Z !CZG->C' !@C A+ZG->C' !@C A+Z% J+ A' ;QP'
' $ ''45DN5+' D' '+-'! >,J+>C@Z ' ?' E ' @CG'
B>?E,@' !@C A+' '3 A' ?>+' UA- 'D ?A'D' ,++,@' - '!+ Y
+> CGZ +B +' ,U@' 'O> +' -C' A+' - ' ' @' 223']'
$- ' & ' '7U ' ;Q<<' 'K< #B' ' 'G->' C@' A.CGZ
G->C' @C A+]' ;'+B->.B+'+B +'+B@' A@ ' ->,D'B @' J,@)'
G-> ' 3 *G' : 6 ' ') -('%'8;KOM(
;SM' '('BD,' E@' -A+@A+' +B' ' @ ' @,@ + -A #Z
C' @C A+'] +B- @'G->' B ,'B @+ +B->'D@?>C' ;K=P'
V $'(?' 0' 0 /) DZ -'+B@' $@' 'O>,U@,@C'
AD A@,2 +B ' -,>?@' D@D +@DZ EG'B '-E@D @A+' AD'
-E, .@C' @C A+' '3 93' ' &' &'1$ ';' LL' A+@C'
7 ,?-+' AD'!-+B@ D' 7 ,C -+'1->C' @C A+Z, D @ ! C'
@)C@CZ G->C' @C A+' $ O%' ' !' V !!*' Z
T!@C A+Z ?' ?'" D' B@Z J>++ A.'B 'J J@'E@B AD' B+A'
B@' ?@' A+-'+B@' B-J
CMK- C' = . B7 'A'7-, @,@G' % ' 'OLQZ ' ?'
G->C +B >,'C@AD' @C A+' $ /O' 'B7 ' ,&) ' (
0 & ' >' M< B@'-,D' C?@CZ E +B@' +D- A +'
+B@'+ E,@' '1->C' C A+Z .@A ?@A2' D'B@Z+ U A.'-'BE'
EC- D EC ??@D'E@ @C'
$ $ 10 '$**& (' $'3&" ' '3 'E3'
-$' ' 3!$ ' 3-$ "' 3-$'" '3 $'(' '32 ' , (
32&-$'D $'3!.' 5$ 3= ' ') *
7 .
$ JK' ' 3 $ > X) ' $!! " ("@C' @C -+E-G '
A- ' ?@' ;MN= A' 0' &' >' &C& 0',0)'' ' $-
83 +, AD'8:,>E(;KL' -' B-? 'O, +CZB' @C AD)@A ,'
? A'- ' @Z S,' EZ ;M<)' 1 0 8;KQO('L;P' B+ '
A-@) @C A+, ' .-@' A'+-'+B@'J@ '-@ +B@C' B>C B@'' ;K=K
' $'0 ,E 55 (' B@' C B' @C A+, 'C> B)'
>J' C-?'+B@'U+ B@A' SMSM ' C !&-" . ' '8@D'O(
"'P'EZ 7 B@A'+B->' ?-+') @C> A+,U@'+B@' B@'D D-+' E) C@'
/ - A@'+-'+B@'.C->AD' OKPL' ' +C' &* 08;KQO('
PMQ B ' ' @C A+,U@' +' B B'G->' B @'-J@A,G'D-A@'
MM 'A' ! GA@' .) , 20 , 0 $)-0 8;K<M(OLM 5-C'+B@'
@C A+'?6,D'-' 7 ' " G+@CZ M ' QKO # M ' 0 &' !'
7U ' ;KLQ'9 ' ;;L' ' @C A+? D Z AD' > B' -C+'-' ,'!'
SKK-'=] : 3' 0'V !-$ '&,.'8@D'='SM-' 7 +B' BE')'
@ .B+' B ,DC@AZ AD' ' @C A+ ? D' E@'+B@A' @+' -+' -C -AY
D-AZ C&!!3 $5' 0' ' A' & . 0 ' , & ' " !(
' S $-E@C+> @C> A+? AZ *)' 5Z5' '0 0(&'0
[H B@' @'-'3C' 3 ++@C ZZ ' ?>CD@C@D' EG'B@C' @C A+'
? A' 5$$V' 1 ' " 0 (<NM 3>+' ?G' @C A+' +C A'
B' ,,-++@D', E->C'-'+B@'D G'C@ C A' ;QMK' 8 , 9 ' 0
$E' 8;KL=(' 'S !' ' @C A+ @A B' A' -AD-A' SK+

[illegible]

' .. ' ',A' +QM 'JC @ + B-'B ' -C -CA' +B@
-D' B@ @C @
E ' ' 0 -' - +@ ' ' ? A +@C - ' -D2 +-
J@C -C?' D A@ @C @' 1 0
OA++ L 'PNM J ++ ,+ ' A' B- "D@ D+@AA @,' 7 B ,, '
,-++ B ? ?' B-,,D@ C@)) @AA2 -' > ? @AA A ? ,,') @A , @ ? 2
-' @CC @AA' ' J@ +@ ? ? J,@' ,'; PN < '0 ' 5 0 LML= C-A
E -J2 -) @C@ - ' ! + U A2 ! @++@ B@ B@ ?' -C +-' @C>@A' ! -CV A'
$' 4LLN &) !$ ' ' ' "0 LPO 7 J' A' B>ADC@D' B A->A ' \ ' B@C
J ->C2 5-C +-' @C> ' J@C@' %;LKN 9 . 6' 0 . 0 '
L=M J- +, ' @C@) A- ' ,G @2 AD @A' J> ' JC@@ + '
@C @ A' J@ %B C B@' ;=LP A' $ ' ' $ ' 8 K--(LN
8 C A+ A.' +-' +B@a DG +@C -, '+B@ J C B@ UGCU - ' -C+B'
O@C GU' AD' +G,` ! B C' ADC- ' 5@C->C +B C@ @C AD ' ;PLQ
8 @@ . ' 10 O ' ;PMK' C 1! ' ?) ' 0 8;KQO(Q= O@ A.'
->AD' I> , B + +-' @C ' AD ? U' ? A +C + ->A' A' +B@ U CU - '
-D ' ;M<;' < E! $ ' & $' MK B@C@ C@ @ .B+ %B J, A '
+B + @C @ I> C+@C,G ' 7 B-' C@ +-' G' @ @CG D G' 8@S @J+ A.'
+B@ " .B 3 'D @ (' ,- ' 3 ' E@ -C@ +B@ 9 A.
Q ' ' $ - 0 -' -C B J' 8 -D2 ' D@ +G(+B'
C@, . -A ' C +@ ' +-' - @C JC @ AD' JC G@C +-2 . @
D A@ B-A->C +-' 1 0
$' ;LNN [' , - - $' -0 OM A' 0 ('C 0 8;KMO(SM ! >AD ' @,'
J + L@ B-,D@2 +-' @C>@ . -D' J ,U' D ' ' B-J@) >A.' AD @U@
-,D@ ' ;L=N " '1 0 OOP A@ B-,G +@D@ J@+ EG@J' JC-JC@D
>-C . -D' +-' E DD@ AD BG ?' @C>G ' ,' ;=PN .> ' ? $! +'
M *P B@ B' D@G @ B>,,' - ? @ +-' J@ BGC B' +-' @C>@ -D2
AD -C+-' -C B J' +B@ B-,G J- +-,,' -C J@ J@ ,` >@ +>@ '
J + B@ B D@ ' 4!22 :) . .' !&2 ' 8 ' * 0 K 5 C +
@C>D -A' UA@@ 2 +B@ 3 @ + @ D@> A@ ' $/ >' < .) 7 '
& ' $"' SS6 ' 8;M;Q(LQQ B@ ! J C + ' B B' @C@ @C>@D' A'
! +- U@ AD ? . @ 2 @C@ A ,@ A@ AD ? B @>-> ' ! J C + '
$' $>++ 3 . ' $ "' ;Q # + ' ;MKM2 ! B@ A.' +B@ - +- ? @ - '
+B@ JC ? + @ ! A+ ' A' @C A.' -D' +B' "G ? A ' SQ- '
B . .' ? % !0 8;KPQ(' OO;2 PNN JC-+@ + A+ ' A' A '
.>@D- U' ? @+ A' ' --D' +-' @C @ -D
E ' -' C@AD@C B E +> ,' -E@D @A @ +-2 +-' D-' +B@
,,' - ' 8 -D2 ' B@ +B@A' D@ +G2 ! + A(
,' 44QP $ - 10 & '0 K;' " >' ? @ >,D@ . -D , ? B+ ' @C>@ AD'
B ' 6@ >C B@ A' -C ! @ ' ,' S --' , ') ' =L' ! -' @
D@ @ U@,@ -C@,D' B EE@ !' -C, +@A' AD @C> !' >C@ DC B+@A'
-A' C@, . >A2 $J&+ ' 1 . ' C 0 & ' ,(;NKN ;' J ' J + J@
-C,D' @C @ ' AD ,- @ 2 ! @C @ ' J@ D@ @,' ;L=N QN ! 5 0 ='
? ' 0 MLO Po' ' @C>@ -CG D-,> ' J + LN6 A' AA@ ECGA. @'
;788) ! ' & % 0 ? ' ' 8JC- @(&C-,' ' -' @CG ' ->C
,-CD@ ,@ >' C +@ ' $&J ' = ' ' & %' & ' 2 ' ;N -D'
+B ->+@A' D->++@ @ ,> @ A-L+2 -C -+B' BG ? ' A-+ C AD '
O&O+ L ' ' " & ' ' ;<2 ' @C@ +-' +B@2 EG' +B@ . -DD '
B- ?' +B->' @C>@ +' $/J/' 3) . ' # ' S, ,' ;=' B@
B ,DC@A' - ' C @,2 @>@A' +B@ J@-J,@ +B + @C>@+B' B ? ' $/%%
' C $!(C! $ 0 ;' ' 8;K<N(K< - ' ? U@ - ? J+
- ' G->C J ,.C ? .@ B@C@2 AD @C>@ A-' ? -C@ > B' ! A +@ '
' ' * $! ' ' !) 1' ,/' 8;K=;(;PQ B@ / @ ,,' +BG
? +@C2 I>B- ? @ +E- ' @ ? ' $/0 ' "' 0 ' '
;LN ! >C@2 -A@ - ' G->' D- ' A-+ @C>@ B@ >@A' @,,2 +B + G->'
C@ - C- 'D' ,' ;MPL' = . ' & ' ' 'T ' ' ,& ' '" A'
7 B-' E@ + O@ C' B ' ? ,D@ G- U2 +B@G' @C @ B ?' E@ +' SKS-'
! ' < ' %& - ' ' ;KM2 ' D D' A-+ +B AU' +B + -AD-A'
' G@+ > B' ' AU' - ' D@JC +G2 ' +-' -J@A,G' @C @ -D'
AD' ! + A' -A' +B@ ? @ D G ' O /+"O 76" <&! 0 (C2
5-C ' B-,@ @A+>CG' " D' B@ E@@A' +B@C@2 ! @C A.') ' A'
JC G@C
O ' -' C@AD@C -E@D @A @ AD @C @ +-2 +-' >, ,'
-A@' ' D>+G' +-' 8 ' @>D ,' >J@C -C2 ' - @C@ .A(
' $A>J' ' =KPP " @ C>@D@ H $! ' & ' ' B@CD@a J A'
U A. @ ? D' B ,,@ B ' ? +@ ' ;L ' <) "' $ 2 0 ;OL' " ' ,-CD'
E@ @C>@D' +C@ @, B@ A' ,' J A.' ? A B J@, B@ ' $J%A' 7 .'
C 0 C 0 2 ;;;' ONL " +' E - ?) ' 5-C ' UGA. ' -' * >@ ? @@D@
+-' ? @A' J + ? @U@, B@ B ?' @C>@A' O&>+' ' ' $!!$, ' '
L<Q 7 @ @C ' ' ,-CD ' +B C G B@ ,' + ,,' B ?' . A.' $/A '
' ' - ' 8 CE (' <O -' @C @ +B@ UGA. @ A' CC@ AD'
J@ @' MSS . ' < '0 S ')' @,>@ G@@C@ ' +B@G' @C>@D'
%B@D-C, - ? @C2 AD A' +B@ +B C+@@A+B' G@@C@ +B@G' C@E@,,@D'
% (" ' 9 .1 . ' A' 0 > ') %%& !. ' 8;KO=(' O<<
! @C A.' ' +GC A+2 B-' D-) ' A-+ ,,- ' ? @ ? AG' B-, D G2
? A>+@ 2 ' ?' -C @D' +-' @ X@ +B@ C + +B + - @C ' $ J+
B' $ 0 2 ' > ' ;M=' -C+B> ? E@C, AD ' @C '
A.' ' ? +@C -C B- @ @C @ B@ @,+' A-' X@ ,
E ' ' 0 # ' , AD ' -' J G' @>D ,' @C @ +-'
' ,-CD ' ^+C ' ' ' 1 /
$%/A' ( ) ' +C ' ! ' > ' $ ' !0 OQO + S @ +@C B@A'
B@@ ^+B@ 9 A.a' ? D@ AG SJ@D + -A' EG AD -C EG ! @ 2
+B ' % +,@ @C @D +@C +B@ C +@ - ' ' " D@ ' - ' AD
' $ - 0 -' E@ -E@D @A+ +-' 8J C@A+ (' 1 0
,' ;ONN ' <NQO -' @ ? @AA' >C@ D@CC @,' \ ' >C '
? -D@CC E J@2 -' ,>+@AA' E@ ? ? 2 +-' ,@ @AA' B@ ? ? 2 -'
@CC @AA' B@ ? ?' @,' *@CCA@
-' E@ +B@ O @C A+" -C ,- @C - ' 8 ', DG(
' $J>&' B ' & !) ' ' ==K O>+' ' B,C ? A' ' -,' G'
, @ AD +@C @2 AD' A@ @C -+B@C C@ +>C@ @C @ ' $JO+'
< 8 ' & ' %0 ;MN 3 ' , D ' +B + ' @C @ ' ;PM ' '
& -) ' =' !) ! 'QK 7 B + E--+@+B' ? @ +-' ,->@ AD @ ? @ '
@,,' A+B AU >,,' -A@P A/O+' 1 ' (' A0 ' ' PL' B +'
.@A+,@ DG2 B- ?' ' ,->@ AD @C>@ ' SMSS ' 7 ' = B '
) H! ,0 C(' * ' O= ! + ,,' ,' ' B C' D-,C AD @C @ ' 4QK4
%- J $' ' > !" * 0 S - ' % A' B@ +B + @C @ ' +B@ 5 C' D-'
,@ ' L UO ' ') $"' O< : >A@2 ' @ J-6+ A'
&C A @ 2 @C @ ' +B@ @ - ' +B@ -A ,-A @C@ '
2 ' 0 8 +B' -A + (' -' C@AD@C @C @ -C
-E@D @A @ &( ) ' & 8 -D2 ! + A2 ' @>D ,' ,-CD2
@+ ' @@ Q2 K(' 1 0
$' ;LNN 0 0 C $! ' S ,S ' ;' ! @ ? @ ' +-' , >@CD' A' A@A@ '
8 >,.' ' & - ' & ' ' !$ $H0 $' OL=N " 3&# '* X)'
% A+ ' PN= ,,' ? . B+ ? @A2 J + @C>G ' + ,,' J@ D@>G,,' ' B '
+C ' UAG. B+ ' ,' $J>&' B ' & !0) ' =PK --D' . --D,G2
+-' B- ?' @C @ ' AD, E->C@ ' ' E@ + A ' ;LQP B '
?), ' 9=LM' 5-C' E@ G',@,GE ' @C G+' +-' ? @ ' ;LKO 9 . 6'
%! 10 ' P' B@ E A@ @C>@A' +-' ^SM S' 7 B- ' @C>@ A+-a'
+B@ > ? J,@C AD B D@ @ - ' B@>@A,G' +E A. ' OL<N < 8 '
& % ' ' LOO AD' +B> ' +B ' ,,' ' > @ - ' ! ? A@2 AD ' +B '
) CD2 +-' B- ?' +B->' @C @ + ' ;) <N 1 ' 0' A 0 C ' ' '
% ' O >+' # ' + ' @S @@D A.' .C @ # ' B .B@ + -D2 +B + ,->@ ' B '
C@ +>C@ ' - ' B +' E,@ @D A. @ ! ' B@ @AD ' +-' AD C- ' -'
@C>@ +-' U@D' ? A2 +-' @C>@ " ' U@D' -@ ' '
i 3 ' $' 0 -' -E@G' 8 ' J@C -A' ' ,,(' +-' >, ,2
@S@ >+@ 8 ' - ? ? AD2 @+ (

[L4N 0 ? ' &% ' 8O3,X(O= a @C' B I ' ? ,*+@ ,-A@ E@ +-' @C G'
. -D@ ' ,,@ ' %<$$ & ' 0 ! - C@+@ ' @,2 O-+B@ ? GA'
@C B@EG B-JG ' + G ' AD -' G@ D--+B@ ' E >A @,@C2 -'
@C @ +B@ ,@++C@ A' ,,' ? A@C2 A' A-' ? A@C +B@ ,@++C@ G,@ '
$' %] RR <R $ ' ' ! 5(' O=SN J + J ' +B ++' >,D' B ' L@ ' \ '
@C>@ A-*+' B ' J + ,,' ,' %] RR = B) 3 ' F$ JOD SS ' O== AD
+B> ' C@AA@+E@ -A' +-' -+B@C + ,,@ +B@ ? J@C->C ' @A+@A+ E@
@C @D ' %MRN 9 ' !10 ' 0 5 0 , S ' 8;M;O(OMO B@ 9 A.'
- ? ? AD ' B@ +B@C@ E@ , A@2 B B' 7 CC A+ D D' O A B'
@C>@ ' $' %M<& ' ' ' 9 ' $ 0 $ * ' % ' ' " - '
B JJG ' B@ E-*CA' AD + > .B+2 ' @C @+B' A-+ A' -+B@C '
,,' ' c NN . . ' ' <) $ ' C @,' + ,,' " ' +C U@D'
G->C I+@J 2 ? D @C @D' G->C ,,
Eb' -' .C + G2 >CA ' ? @ A ' -C + G A.' 8D@Y
C@(' ' +-' ? A +@C +-2 + G' 8-A@' ' A@@D(
%<&R < 8 ' & ' %0 ' OL' 5-C' E-+ B ' ,> + E@ >,,G' @C @D2
B@C B +B' A-' B+ B ' +B-AU' D@ @C @D ') abRR NR B '
C& - ' SSS ' O;' ! ' ' +B C' @ CD2 +B C) C' I>B ' ->,D'
+B ? @ G+@ -' @C>@ +B C' E@ +, @ ,> + AD' JJ + +@ ' WNb <
' 9 7 ' +C ' , &!$" > ' &" 0 ' SSS ' ;P< -' @C>@
+B@ C' A + E,@ AD' D ? A E,@ > C @ ' %<& ' &
& - *!0 4LP 3 AG' +B@C@ @C@ +B + D D' E ' J +>C@ . @++@ -'
@C>@ +B@ C' @,@ ' %MRb] ' $ ' *) ' K< ' ! @C> A. ? A '
+B + @C> D' +B@ > + - ? G' 3 +C ' B@ C ' NM&) BL'
$ & - ' 8;Q;M(;O;' + JJ@ C ' B- ' ? > B' B@ ? D@ E ' ? '
J- +>C@ @C @ B ' > + ' %_(< 1 ' ! $ ' ? ' LQ= 3 G' ,,'
+B@ C' %-A -C+ ' @C @ JC- ? >-> ' > + N_] ' # M $ ' $.'
$;LK B@ @CG' @,@ ? @A+ 2 +B->. B' @ B' E@ ? @ A+ B@ ? A Y
+@C - ' ? A2 +-' @C @ B ' A+ 2 %-A J C@ . A + B ?
% ' -' - ? J,G +B' +B@ C@ I>@ + - ' 8 ' J@C -A(* +-' %
>, ,' +B@ B@ ' - 2 . @ 8-A@(' B ' B
$' O=NN PN $ ' ! 5 0 ;MKP F>-D' ,@S AD@C E@,G>@2 ,,'
J ' ' .C >A+2 AD' @, ' AG' -+B C@ +B A.' U@ \ ' E@ @C>@D' '
OLNN ON B ' C& - ' 55 5(L;' F>B@A @C> + ' ' ,,' D C ? A2
' ' +B A.' ' .@+2 A ' -A I>@ + +B A
i ' D ' ' -' . @ G' +-' 8+B@ @ (' 1 0 $ Y 0
NMN] ' < 7 ') ,$' ' ' ONN -' .> D@ +B@ B@, ? @ +B@ ? +@C
DC@ D ' -' J-C+2 +-' @ C@2 -C @C>@ +B@ @ 2 B@, E->C A.'
B J' B@ AA-+ @ @ ^ ' M=P M ' , D) ' - $ ' A) $ -'
% $ ' $ "' ,) ', $ ' $D) $]0
' & ' ' - ' +-' B J@ -A@' ' -AD> + A'
@, A+@C@ +@D' -A -C ? +G' +-' +B@ @ ' +B + B JJ@A'
+-' E@ A' ->C + +B@ + ? @ ' ^ ' - *& '
& ' 3 7
NbMR B ' +C ' $ ' G ' & - -0]] c' B- @2 B- ? @ + E@ +
E@ ? @ +-' C@ ? @ DG@ +2 J C+,G@ A U@D' +B@C +2 J C+,G' @ ? '
A.' +B@ + ? @ ^-C . ' &1 ,) ' $$' ' - *&] ' B D' ' C@ J@ +
? -C@ +-' +B@ C' JC > +@ - ? ? -D +G@ ' N<&] ' ' ,,!0 C&!0
' ' e' 4 7 B-' +B AU@ +B + B@C@ A' @ @C>@ +B@ + ? @2 AD'
J@ U@ A' >->C - ' +B@ JC@ @A+ + +@2 E@ > @ +B@C@EG' @
@G+B@C B-,D@ -C @@U@ JC@ @C ? @A+ ' NMR] ' $ 2 8) ' $1! '
* 0 8;M;L(2 - *& ' +-' @C @ +B@ + ? @ ' % N< '
%) $ ' ' c $ S ' O@ CG2 + B' +B@ + ? @2 AD' , G ' @C @
+ ' N bN ' ' $ ' !! ' & ' ' %_& 7 B-' A@ @C
-,D' +B@ +C>+B' +-' @C @ +B@ B->C
/ ' -' C@AD@C + @ @C @ +-' 8 ' U A.' -C - ? Y
? AD@C(' A' +B@ C ? G' -C A G ' +-' .B+ -C2 T +-'
-E@G' A' ? , + CG' + -A ' ' 8: (
J ' ' # ' ' A' ,, ' 0 0 ! @C ' ' ' ;<L' 5-C'
#+B@C @ B@ ^+B@ .>AA@Ca' -,' . -' +-' @C @ +B@ 9 A.' - ' &-A>
,@2 N_%R 8 6 ' 6 E 0 & ' !!$' ;K - 2 " @ B D' + -'
>ADC@D' +B-> AD ? @A' C@ DG' +-' @C @ B@C ^ ' +B@ I>@@Aa' A'
+B@ C ' N_M] ' B ' C&& ' $ 2 ' ;Q< @+ +B@ ? ' E@ -C @D' +-'
@C @ +B@ U A.' A' B ' ,@@+ ')N_ M B ' * 0 & ' " 0 $ ' . ' '
2 'D' E@++@C . @A' A' C'+ +B@ U A.2 + O>AU@C' ' B ,,'
L AL' ' V ' ! 2 0 2 ' B @,@ CA@D' +-' E@ D A.@C-> ' >J-A'
J- A+ ' - ' B-A->C @ @C A @ ' @C @D' +B@ ! J A CD ' N '
' I ' ' B ' . &C 0 $ ' 2 7 @ J,@D. @ A' J@ @ EG' C ?
AD' +- A' B@ F>@@A' +B@G' @C @D' A' C
" E ' A' +B@ JBC @ & ' & ' > ' ,&) ' "' +B@
? @ A A.' - ' +B@ E ' ,> +> +@ ' E@+ @@A' ' +-' , E->C
-C2 E@ A' +B@ @C @ - " AD) +-' E@A@ +2 D-' . --D'
- @ ' +-' " 8 @@ ;M(
SM--' ' 7 ' 8 . . ' ' * ' ' / ' 2 " @ @C>@D' E '
->A+CG' -C B ' ->A+C @ ' U@ ' SM S ' ' $ $ ' ' '
SS ' ;MM 3 @A' B @ A-' , >,,' C@ ? @DG2 B@A' +B@G' E@ - ? '
? AD@D' +-' I> + +B@ C' JC +@ E> A@ @2 +-' @C @ +B@ J>E '
, I>@2 +B->+ $@ CD2 -C ! , CG2 S) X' = . ' $ - & ' '
PM= -' B + A' ' E@ > @ >,2 B@C@ A' @C @ 3 G' + -A '
N <_ ' . . ' 2 7 C 3 A +@C CE-AA@
' +BC@ +@A 2 +-' ' + U@ B ' -CD' H 0 AD' . -' @C @ B ' ->A+CG'
+B' +B + ' % M ' $> 9+ ' C&!0 ,& ' 0 ' DD ' O<M '
, E->C@C @C @ ' B ' ->A+CG' +B' B ' J D@2 *> + ' ' ? A' A'
+B@ ? DD,@ C AU ' - ' , @ @C @ ' + +B' B ' -CD2 J@A2 -C
, A @+ ' % _b # 8 ' C!$ & ' 8@D ' O(' POQ B- @ B- ' @C @
+B@ C ->A+CG' ->.B+ +-' @C @ +B->+ C@ @ A. ' . +
' ' 0 -' + U@ -A@' ' J C+ A' C >AD@C ' - @Y
C@ .A' -C - ? ? AD@C ' +-' E@ ' -,D @C -C ? A - '
C' ? A ' ! D' , -' - ' ' B J
OPSK ' ; ' . ' A' ,, ' 0 0 ! @C ' A ' ' O<O
B@ D' ? +@C @-C. @ . -AA@C2 ' -,' A-+ A' A-' @ @C @
AG' ,@A. @C B@C@ ' ;POL' 1 ' - L' 1 0 LOL' ! ->,DG@C -A '
+GA> ,,G' ++@AD A+@ AD' @C A. @ A' +B@ @CC@ >JJ-A' +B@
D' E-CD@C 2 ;PQL' $ (' C& - ' %& - (SSS S ' ;PK B@
! >DD C+ ' C +2 AD' D' +B@G' -,D' A-+ C ' OPKL'
9 7 ' +C2 , &!$" > ' &" 0 (' S ' ;<E2 8 " @(@A+ E '
. ,G 2 +-' @C>@ A' +B@ CC@ ' ;P<<) 2 ' OP=
7 B-' @C>' + ' +B->' >AD@C ' !!(AD@C % J+ A@ - @C2
? G' @) @ ' SM-S' $ ' # ' V ' 0 ' & - ' - 0 8;MNL(<P
-@ ', A X@C 2 B-' @C @ +B' ? > U@++@ ' - ' ,-A. @C AD' E . . @C
E-C@ +B@A' +B- @ - ' +B@ . @C ? A ' ;MLO = 7 ' $ ' & %
& ' &) ' ; 2 1 ->' C@ ! ' ' UA .B+ - ' 3 ,+ 2 AD ' ' B @
E@ CD2 " @ @C 'D' . A + +B@ >CU@ ' OSQNN 3 . '
$ "' OM JC ' OMK<2 &@-J,@ E@ A.' . @A@C ,,G' D @ +@D -'
+B + +B@ @ ' AD' , AD ? @A' ->,D' C @ @C @ +B->+ - ? Y
J>, -A' OQ== ' % ' ? &" ! ' ONO " @ +B@A' @A+ +-'
! -+, AD2 B@C@ E@ @C @D' A' +B@ C ? G' + ,,' OMPP' OK=< = R
B . ' 0 ' 0 ' ' LNO A' SMMM2 : -BA' ! B@ @,D2 C,' - '
3 >,.C @2 -,>A+@@C@D' +-' @C @ + @ ' . A + +B@ / >+ B'
OKPP % ' 8 ' 10 & - 0 0 ' O) ' & G' E D' E@@A'
A+C-D> @D2 A' -CD@C +-' - @C - ? @ +B@ C@,> + A @ - ' +B@
+ X@A ' +-' @C @ ' OKM< ' ' ' C $, 0 " ' ' 8@D ' L(
OMK B@ ' K=+B' $@. ? @A+2 A' B B' ' -C ? @C,G' @C @D
i ' E ' &BC ' & ' ' $ ' ' ' ' & ' ' , '
I 3 ' ' D(' 1 0

AJO+ ' ; ' ' ,0 $*&' ' / @D ' ' E ' B + B >@
@@A@ AD' @C>@D' A' +B@ @,,' -CD@C@D' CC@ ' - ' ? J@C->C '
-C 9 A. ' OMNO ' $ - 0 ' U' K= '>@ @@ @ ? G' @, @2
AD' @C>'D' . A + +B@ 5C@A B2 '
' -' E@ @ ? J,-G@D' ' ' ,-C A' +B@ ? @C A+ ,@
? C A@
A %& ' ' 0 ' ' PL' ^ " @ B Da' @C @D' ' G@ C'
A' E- CD' ' ? @C B A+ ? A2 AD ? D@ B ? @, ' 5>,,' ,-C '
1 0 OON B@ ? +@C - ' +B + B J' A- B' E D' @C @D' A
! ' $' 0 & ' J@C -C ?' +B@ D>+ @ ' - ' 8 A' - @2
>C@ - ' ->, 2 @+ (' , -2 +-' . -' +BC->.B' ' +@A>C@
- ' 8 ' +@C ? A ,' - @(' 2
' O=N= K' #9' C& 0 C& - ' ' =M @+' @ B@ ? A' @C>@ B ' B C. @
A' UG,,@) ' OPNN ON B ' C& - ' SSS ') Q B@ E ,, A @
. - ' A@ A2 B + +B- ' ,, @ +-' @C ' B@ ' U CU ' @ ,A' ;PPQ
? ' 7 CD@A' ?) ' $ 2 ') ' ' @+ ' 8;KQO(LLP ,+@ + B@
B@ ' A-+' @C> + D@ + @ A' ,,' J-GA+ ' ' E) - ? @ B ?' - ' G@
%C + ' OPQO , ' ;L' ! O 0 ' ON e O " ' %>C + +B + B ,,'
+B@C@ @C @ +B@ %> @ -C BG ? 2 OMNL' ' $ 0%& ' 0
' ' KS B@G' D- ' G->' C-A.' +-' J>+' G->' -' - + J I A + C@
+B@C@ A-+ ? @A' A' G->C 7 CD > @A+ +-' @C>@ + ' ' ' OQS;
, ' ON ' ' (' ;== ! + 5-C' @S@ ? J+ A.') -+B@ C,@ ' C- ?
@C A. ' & C B' AD 7 CD # @ ' ;QKM B ' ' <$)'
$ - ! & ' ' 2 ' , @ ' +B@A' 'D' B @ +B@A2 1 J>C ,@CU B J' B@
B->,D' C ' ;KO= ' . ' $! & ' $ ' +V ,6 ' ;M= '
' C . @ ' @ + E, B@D' -C @C A.' +B@ %>C@ ' OKKL'
, ' =K = ' =< 0 ' P= e' < B@ B-,@ - ' +B@ + J@AD ' +-' +B@
>C +@ ' @C A.' AG' > B' E@A@ @ B ,,' A-+@S @@D' ^@+ a ' S
* +-' % ' ' & ' & ' ' & % ' &3 $"' SS ' 8@D ' O=N B@ -CD'
3 G-C ' ? > + B @ @C @D' +B@ - @ - ' B@C
E ' -' -CU' -C2 + +2 + U@ J C+ A' 8 ' >A Y
+ -A(' ' +-' + U@ J C+ A' +B@ @C @ - ' 8 A' A + +>Y
+ -A(' ' @ J ' +-' ? A +@C2 D B C. @ C@, . -> ' >A Y
+ -A ' A' 8 ' B>C B(' -C + 8 A' ,+ C(
i ' 0 $ "' $ ' !! ' KN & D' +-' : -BA' 3 -D,@G2
+@C -C @C GA.' +B@ I>@C@ -C V@ +@C ? @X - ' 3 GD - ? @C \ '
3 .B@, ? @ ' OPMP . . ' % ' , ' C) 0 ' S ' 8SKKM(O<<
! > B' ' ->,D' JC- @ ' +B@ +C>+B' AD' @C @ +B@ ,+ C ' OPQL'
A' 5@> ,,@C + ! ' A 0 ! O 0 8O<NK(OOK 5-C' +B@ B ,DC@A' +B +
@C @D' +B@ 3 U ' O) L' 3 ' C - 0 0 A ' ' OPL' '
@A+ ,@ &, G@C +B + @C @D' +B@ B@ +C@ ' OK=N 9 ' " ' 7 3
& ' $ (' S ' ' 8;K=Q(" ' ? -A +@C @ ' @C@
@C @D' EG' JC @ + ' C- ?' +B->+' SKMK - ' & - 0
& ' D0 ' c$ =PK " @ ->AD' B ' B>C B' ? ,,2 J--C2 @C @D' -A,G'
EG' ->C -C @ A-A ' OK<O : ' " ' . . ' , ' ' !0
$ " ' LPK A' +B@ -,,- A.' G@ C' B@ ? @ - ' +B@ A., B'
3 -A2 B B' B@ @C @D' -C @ @A' G@ C
% ' -' ++@AD' 8 A' > + -A(
OKP= 7 ' ' ' ' ' ' - 0 O!O # A@ ? .C +-CG'
- ? J AG2 @C A.' ,,' +B@ , @ > + -A ' A' +B@ J, @
. ' ' 0 -' J@C -C ?' - ,' D>+ @ 2 B-,D' - @
8@ ' . ' ' B@C ' -C 3 & 2 -C -A' ' *>CG(' 5-C ? @C,G'
+B' E ' ' D C@ + - ? J,@ ? @A+2 & ' ' ,) , T
2 $ ' (@+
f ' ,0 0 $ "' $ ' !! ' KN -' +B@ ? @ ,-BA '
@C>GA.' ' ' J C@ B' %,@CU@2 -C B ' . @ 2 S * ' *D ' OMLO
! @C A.' A*>C @ ' ^ @@# B ' AV' OMQM , & ' ? . 0 !$" 2 & '
8O<SN(O< 3 C ' / U-A -A' JC- ? D' ? @ +-' @C @ %B>C) ' CD@A'
A@S+ G@ C' ' ' ->,D' @S > @ B ?' +B ' OM<M) BL' 0
8;KQP(;Q= ' @CG' ,++ J@C -A' +-' @C @ A' J C, ? @A+ ' OM<K
$ 2 ' S ' 8;Q=N(SM ! @ @C ,' @A+,@ ? @A' - ' +B ' , AD'
B @ B@C@+- -C@ C@ > @D' +-' @C @ ' @ ? E,G ? @A ' OQOO
. !' ?) (0 0d - ' +B + @C @ ' -C ' O-C-+) B' A' & C, Y
? @A+ ' XKSK B ' ' 8@D ' O(' SK-' B@ %C- A' '
B A.' J- @C +-' - ? J@,' ' >E*@ + +-' E@ ' B@C ' AD' +-'
A@ B ?' -C C@ > A.' +-' @C @ ' OKL= = B. ' 0(C '
5 ON 7 B@A' & C, ? @A+ ? @+ A' OQLP2 B- ? ' ? D@ B ' @,@ Y
+ -A' +-' @C @ -C # UB ? J+-A ' OKPO < ' !0 $ 0 JC ' =S<
3 @ ? E@C ' C@+>CA@D' +-' @C @ A' & C, ? @A+2 S) -' ' , " , !0
? 0 4 ' QKM O B@ , ' - ' J@C -A ' @A+ +,@D' AD', E,@ +-'
@C @ -A' J@ ,' *>C @
' E ' # ' ' @C*@ A+ ' & ' ' $ ' ' 1$ 0 1 0
OLMO 7 . ' C 0 C (' &C-, ' KP J@C B->@:V A' " >ADC@+ A'
" ->>@ ' - ' @,U2 ! @C >A ' E +) ? @J' +-' @C>@A' ++@ O CC@
i ' ' J' B @ +B@ - @ & ' & - ? @+B A. ' 1 0
OL<N < 8 ' & ' %0 ' OQO ? -D2 B B' ' ' @AD - '
B@6@2 AD @C @+B2 ' +B@ E-U@ ' +@,,@2 -' +@ ? J+@ ' ? A'
- ' > B' ' @
1 ' $' 0 -' C@AD@C > @ >,' @C @ +-2 D-' . --D'
- @ ' +-' 8 ' J@C -A(' +-' -CU' -C JC + ' ' AG
? ++@C
SM) ' = * ' ' . ' 0 S / @ ?) ' 8% ? D@A(
M= B AU A.' ? G' @, ' ? - + ? @C E ,,2 A' +B ++ ' B >@ A +
E@ A@ E ,,' +-' @C @ G->' ' ' >--,D ' OMLK 7 ' B7) . ' 0
& ' 0 ? &2 ' ' < - 2 ' B ,,' C@ + + G->C %- ? ? AD '
B@C@ A' ' ? G' @C @ G->2 7 ' / >.D ,@ ' ;QOQ) ' 3 ' 7 '
= 7B' 0 & ' > ' $ ' : >A@ 8OK<L(' PNQ2 ' ? ' >C@
B +@ @C ' A' @C @ ? G' J--C A @ @ ' AD A@JB@ ' A2 B ,,'
A-+ E@ A+ A.' -A' ? G' J C+ ' OQ=K . . ' 0 $ ' & -'
2 A' ,,' B ' , ? + @ 2 +B@G' A@ @C D - @C@D' +B@ ,@ +
A , A + -A' +-' @C @ B ?' X! - ' =) 7 8 & $! 0
8SKSM(' S ' 4NM " @ CD@A+,G' D@ C@D' +-' @C @ E ' @,,- '
C@ +>C@ ' OKOK = B. ' 0($!!$ - ' 5' O< %C A ? @C C- @
A+-' ->C EG' @C A.' " @ACG' A' +B@ D .C @ >,' C - ' E '
C + D -C @ ' SKMM ' =) .) ' ' ' 0 A 0 10 S ,'
8OKQK(OQN B@ ' , D' +B AU ' G->' @C@ +B@ ' , D @ ' A' @C A.'
B- ?' B@ . -+ A+-' +C->E,@
E ' -' +@AD@C @C @ +&' 8 ' J@C -A ' ? @ ? -CG(' +-'
, E->C -C 8 ' > @(
OQSO 8 6 ' " - !(& ' !!$' OP / @ 2 7 B B' ' ,,' ' A' D-'
+-' @C @ B@C ? @ ? -CG2 ;K=Q = ' ! 0 0 & ' 2
' +C D@ ? A' -C ->+, 2 B-' B ' @C @D' +B@ > @
' 8%B @ ,G' - ' +B A. 2 JC ? C ,G ' ' . ' > @
- ' @A @ ' A' EC A B' (' -' E@ >E-CD A +@2
@C @ E,@2 -C > @ >,' 8+- (' +-' A @C ' J>CJ- @
;Q ' # ' ' +B A. ' -' E@ >E-CD A +@ -C >E D CG
+-' 8 A-+B@C(
$' OOOP ' , 00 ' M J@ ++C@ C ,@2 ! @+ B' J> +@A' D@-J@D@2
\ ' ' ? -AA@ ' AD,@ 2 A ' -C A-E A.' @,,@ ' + ,D' E>+@ -C+@
@C> @ ! @ AC@2 %4==N 6$,&1> ' !!' O<= 5 +GA.' ' ? D@
+-' @C>@ JC G@C@2 \ ' A-*+ JC G@C@ +-' @C>@ +*? .' J@C -C@2
*C G@C@2) ' B@>@D2 . -+B' E@ - ?' P' E@ B ADG,,2 +GA.2
+@C B ?' W< B@ C@DG' +-' @C>GA' BG ? 2 ' V@ B@>)

[illegible]

[illegible]

B@ J AG O - DG A +B + % @ SKMK $ 2 1(' , " , !0 4
;N= ; B@ D +C E>+ A . C@ @C - C2 ? > + +B@C@ -C@ E@ B .B@C
+B A +B@B .B@ +B-> @+- E@ @C @D ;K< : 1 . ?$ $, .3 (
?$!!$ Q< B@ +B + B - +B@ EGC@ ,, @C @ +B@ C C@
B@A ,, +B@ ++,@ C@ , A

D - >JJ,G +B ?@ A - +C A + AD -A @GY A @ @ J - C , G

;KMM &"(& - - 0 $!2 $" ('((MN; ; "@ D +B @ ^+B@ - ? J AGa E D C@ ,,G @C @D $ - BD ,@ @,, +B +C A AD - ? ? -D + -A SK<O >$$ \ $ 8Q) 5 0 LK B@ ->A+CG D@ C E@D A +B E - - U @C @D , ? - + @A+ C@,VVEG +B@ C@ + 7 @ +@CA $, G

i L< %!0 - ? U@ > @ 8 , -A@ @, &%0 , - -A +2)& A +B@ ?@ @A @ ^ +@C 5 @a 1 0

A I >J+ ;PMN f T +- ? U@ > @ & % , @ +B@ B- @ - @SJC@ -A > . . @ +@D EG +B@ " @E - C . A , ;PMN . 8 @A@ (" (SS ;= 3 AG A -A AD .C@ + 9 A . B , @>@A @C>@+B@ ? @,>@ - +B@ ? ^ -SMXS AD SK)a ;L<= $. $" ! & " PM !@C> A . B ? @, @ +B ?@ A@ @,, - @ SM- - ' . .) " SSS C <MN A+@AD A . +- @C @B ? @, @ - +B@ JC- -A JC@J C@D -C +B@ @A@ ? @ '$)! > C$ $* ("&99<& 0 @C @ B ? @, - ?@Y + ?@ +B C ? A , +- @S@ >+@ B D@ .A@ ;MLL # . <&! ' < & PL + @C@ @,, +B@G ->,D @C @ +B@ ? @, @ - +B -C? @+ D- A + +B@ @AD - +B / CG ;Q;= = = . 0 !!$;;= !B@ B D @C 'D B@C @, +B $ - ? A+ U ?@ 2 AD @ .A'D ! @A@ - + -A ;QLN 9 B A 7 \ " >CD 0 8K (PK 1 -> ? G @C @G - >C @, - +B@ - ,, - A . B A+ ;K=M $,0 , 8;KMO(;K< '& 0 A +B@ A+@C ->C @ - -CD A CG , @ ->C -CD @C @D " ? @, 2 A +>C ,2 - +B@ J - J>, C C ?

E ' 0 8 -C %!(+0 - ? U@ > @ &%((

OJ + 9 . 6 . 0 8;KKN(Q< J@ @GA@D J@>@ @C>@A - J 2 +- -CE@D@ ?@A +- D- . -DD @ ?G @

!3 $' %(4 $ - 0+ - J,G2 , 2 8B- + ,@ @ J-A (2 $ 0 8! - 5

$J>/ B ?) , S C =P; AD +B >@CD +B + B CJ,G B C B @C>++ +B ?@ >,, @ . GC,G 1 0 =P= ;KLQ . . 0 0 2 B@A +- C@ D -C ? > ? E,@ - ?@+B A . E->+ +B@ 9 A . ' J@ @ AD2 +@C @C+ A J > @ 2 @C @ AG >AD J@C A . @ ? E, .@ +B ? > U@+ B-+2 -C B +@ @C B-+ ,, D J@C @ +

! ,(- + G -S -A+@A+ 2 8 - - D2 @+ (8% @A @ LQ E (" @A @2 +- . @ 8-A@(. ,>+ &% @ CG &%(

;QMK $ - ! '& 8+QK- (LN B@ I > C@ ! G AA ,G2 '? >C@ G@ C@ B-+ CD " @C@' ' ->+B - ?@ +2 @ + -A AD D- B-+ J C'+ 1 0 =Q + @@ ? G@ C@ A C'D B + G@ . -+ SK-M B7 . C& - ;=K 8 / / (7 B A C'D - ' E@@ 2 +B@G . @+ C- + # ' D A+G C C@ @@+ ? >++-A2 ;KS< 9 A 7 7 ,U@C ?$?& ' 3 , ,& 8;KKQ(LOK B@G C@D +B@ ? - . B+ A . @CG @ E, - SKKM 7 #%9 & " ' S 2 8;KKQ(<L / > + +C @D A @ ? C @SJ@C ?@A+ A . , A ? @ D- @ - ' + DC@D B ?

8 A @C -A - +B@ -A +C> + -A A EC A B % +B@ -A @C @D@ @, -J ?@A+ - @A @ A

; ; ;L (- D B >J 8 - - D(+- D@ , ->+2 JC@ @A+ 8 - ? ? -D +G(

! / - @+ 8 ?@ + -C DC AU(-A +B@ + E,@ -C E@ -C@ J@C -A +- EC A . A -C D B >J 8 B@ ,(i , - -A +2 & -C ' & 8+B@ + E,@(, - 8 +(' f 8 (E@ A . @C @D

;L 0 ? 0 0 C 0 O <<Q " - ^ - +' ' @a @C>@D + B -J@C ,+ E -C@ DCG*+GA $;=NN ! LKO B@ B@CG @ @C@ @C GD +B-C- @ +B@ B ,, ;P;L ? . 0 V " ' 3 - $! $ - 8 ! (;MN 5GC +@ -A +B + D G@ ^ +@Ca B@ B ,, @C>@ , @ -D@A AD E,@ GD $/%+ B +C ! 3 $' > & - - 0 OP J @ @ B@C@- @C @D +- +B@ ? J@C- >C + E,@ $JO>) $ <& ") - 0 8;M;O(OMK B@ B@ D - . C@ + E .A@ @ E@ A . @C>@D A+- +B@ + E,@ ;M=N +C > & - (& % & - 0 2 Q " A . @D B@ C+ ,G -A U D2 +B + @C @D A+- +B@ + E,@ 4<OM 8 6 <) !! ;KK B@G >+ +B@ *- A+ +B + @C@ @C @D +- B ? *@ +G' + E,@ O> O 8 6) O;L ' B@ D AA@C @C 'D2 %B C,@ + U@ B + AD2 7 + B@ G ->C " (A+ J +@ - ? ? AD $ J% = 0 $ " SSS 2 O >+ D AA@C @C A . 2 . - A+- +B@ +@C E A $ J% : , , 5 * !& 0 gD Q= " @ - - U@D AD @C @D ->C EC@ U + ?@ , 4KQQ 3 O) 8) E % ! S =KQ +@C ,>A B@ -A2 - @@ @C @D ;KKP) O : >,G + . @++ A . -A -C + - E@ -C@ >JJ@C @C @D $ &!0 ;) Q S B7 C & 0 % ;; & 0 7 ,, G ->C , DG B J J +) @ +- D A@ G@+ $ " $ ' 0 1@ 2 ,@+ '@ ? @C @ ;QN< = = . , - 0 8;QON(O=;2 @@ ? G &@ - J,@ - ? A . +- +@,, > +B@G B @ @C @D C@ C@ B G ->C @, + / AA@C ;<NP $ C$ *& SS OPM B@ ?@A @C A+ @C@ ,C@ DG EC A . A . A +B@ - @@2 AD 3 -A @>C D' A+ A -A +C ?A@D +- + >A+ , +B@G B D @C @D AD C@+ C@D

E -A +2 & 8 J@C -A(& D + @ " @A @ , -2 A AD C@ + J @

;L<M $ - 0 0 0 ;MQ " - D>C + G -> SA,, A@ EC A . + C- ? +B@ DC@ @C AD @C>@ + +B> +- ?@ OQSQ) = 7 = 7B 0 & $;K JC 2 +@C +B +B@G) @C @D ?@ - @@ >J -A +B@ C UA@@ A +B@ A@ + * J A B A ;Q=L B . , B &"0 0 $ KK B +@CA - -A +B@ &@ - J,@ A +@D +- E@ @C 'D OC ADG ->+ - +B@ % U +B + @C@ E>C @D 6AD@C . C- >AD P -CD A . ,G +B@G @C@ @C 'D B , & A+ @ B 3 A ;K) $ ' 0 $, 2 B@ %- , - A@, ' EC@ U + @C @D +- B ? A +B@ ?@ D A . G J, +@D C@ OKP< ' LN= ! - +B + G@ D- A- + @C @ ?@ J CC-) U 5 - C >JJ@C

- - D B >J -C @AD +- +B@ + E,@ A J@ @D ? AA@C -C 2 - ?@ - +B@C @D E,@

%;=LN 2 & && . "31 . 0 M ?@A @C>G+B >C ?@A+G G+B @AG -A2 , ;=PN 1 0 A KL AD - @C>@ B + B - +@ ;Q=Q = < . && . " PN O U@ +B@ ? ^ CU , A . @A+,@ # @A2 @C @ +B@ ? +B->+ ! > @) 4K=< 3 .) , . V ' ?& . $ $ OKQ %B@CC @ @C @D A DC + - A- 2 ;KM= ' ! . 2 0 ' ' $;=P O - , +B@ @ . @A+,G +- . @+B@C AD @C @ -A +- + ;KK= ' 8 . . A $ * > $ 0 / @ S O @CG+B A . @C @D !$ ' T #

-B AD ->+ 8 - - D(A J -C+ -A ' . 1] KE MK , 0 ') , 0 %% , &) O= B@G ->. B+ +- @C @ +B@ ! @@+ ?@ + +B 5 - CU2 E>+ +B@ / C .@@2) -C ? ,, !@@D - ! > . C +B ! J - - A

! 7 +B D @CE 2 %& (%& ' ('

8 -E (2) *(A +B@ ?@ @A @ A =O

, ;=LN 2 & && . "31 . 0 P !@C>@ + -C+B 1 0 ;L : AA@ @C>@ + -C+B GAA@ ?&&+) 7 & (* = < 0 ONK 8 " C, 3 ! (++ . - - @C @D GJ + +B@ UGA . + E,@ %[PLN & , " ' $!! < 0 $) ' A ' 0 C& 0 $, 8&@C G ! - (jK 5(A) +@ @C>@ G@ A +B@J - + .@2 AD +B A @ B@ ?@@+ +@C B D@ . C@ A/OA & - 0 6) !0 S - 3 D ? 2 +B@ . >@ + C@ - ?@2 >JJ@C @C>'D J OMSQ = ' 0 KL + >JJ@C +B@G @C @D A J@@ @ - C- +@D E@@ @ B - + A%%> = . C 0 0 L LK 3 C B ,'D 5@ + !@C D >J A " ,, +B !@ @C 2 AD !@A@ B , A>$A)) * (- ;NK & P B@ @A+,@ ? A2 B D +B@ &,@ >C@ - @@ A . +B@ B> . @ : U2 E@ B D > . , +2 @C @D >J -C +B@ C + / B A>&> = < . && . " S ;OL &>+ A +B@ 3 @ + . A AD ,@+ + E - , +B@A @C @ + G OQQP ! : 1 $! * ' (8;QKL(2 ;M= B@ D AA@C @C A . >J : @A+@C@D +B@ D A A . J C ->C OKOQ A ! - ++ & ' 0 $ ' & ' $ A+C - D JJ 2 B@ D AA@C @CG B ADY - ?@ 8+B ->. B , - ,G @C @D A(OKQK 7 ! < . !0 0 0 C ' $%& ;;2 AD D AA@C @C @D >J A J>DD A . E A $1 &!0 , O=LN 2 & && . "31 . 0 Q @+ E - G,@ +- .@D@CG 2 A @C>@ A 1 0 K !@++@ B@ ? -A HL DG B@2 A @C>@ -C+B2

E $' %0 5 % (4 0) *0+

;L<N < 8 & ' %(O<M B@ E@ +@ -CD@ - ,D@ J U@ AD @C @ B@ ? -C+B A +@D@ - B@ @ OPQM - . 7 +C $) T & - $DC 2 @C>@ A +B@ C ?@ + +B C-A . @ O) $ - 0 0 - 0 ;= B@A . >@ ?@ ,@ >@ +- C@ D &B , - -JBG2 AD B ,@ J > @2 @C>@ A G ->C B C ? -AG OMLL - *! (C 0 2 B B - ,G ?@A - -D > B @ @, C@ @C @ B ? >J2 B- ,, +B@ -C,D - ? ? AD OMLM . = +C ?&, , $! ' > 0 % 0 C$ '$ (;; S O=L " +-CG ?@ + A-+ -A,G @,, @ Y -A@D E>+ >E + A+ ,,G AD ? .A @A+,G @C @D A +- a)@ @ +B@ >C -> J ,, + OQOO ! " - OL2 OMQ B@ S ? A@C >++@C 5 , B- - D +B + C@ ,+- . @+B@C + ,@ AD @SJ, -D@D B@C@ E@, @C @ +B@ ? >J C@ B AD C@ B OQ;O)) * 0 - =KK . O &C- D@D +B@ * , $ & ? . B+ E@ @C @D >J +- +B@ ? @ @CG 3 -CA A . > > , OK=K (- 0(&) *(+- @SJ- @ +- C D >,@ +- @SJ- @ OKQ = 7 & ' &!" < & S LQO 1 -> @C @ +B@ ? >J +- > , U@ A@ C+ ,@ - @A @ - & &) (+- D +C E>+@ -C D@ , ->+ 8 - - D2

? ? >A + -A2 @+ (A J -C+ -A , - *- >, C,G 8 B @ ,G) 0>+(+- ?@+@ ->+ -C D ? A +@C 8 -CY J -C , J>A B ?@A+(=M

A +A) A $ $! & ' 0 P= 3 G . C- . @C @D ->+ OKS< $' & S,2 - JC@ D@ - @C +B@ +- U B AD ,@2 B B *> + @C A . ->+ -C +B@ C C EC@ U + OKOQ# 7 ! &"0 ' (- 09h(->+ - ?@ U@ . - . >AJ - D@C ;KMQ!31 " $!& > & 31 .0(' &) !, * (D +C E>+ A . , -+B A .2 \ , -2 A+ +@C ? +- D@A -+@ J>A B ?@A+ + +B@ . A . G $ & J $" K; #A ? AG - +B@ , C . @ @ + +@ 2 @C + A A> ? E@C - , B@ @C @D ->+ @ @CG ? -CA A . C@ . >, C,G +B@ C + -A OKKQ 5 - $! &, $ Q ' S ONQ B@ B -C+ ?@ >C@ - , ->C B B $ - DG : U -A@ - +B@ C @,, - ?@A2 @C @D ->+

! ! ' 0 - >JJ,G2 >CA B 8 - ? ? -D +G(+- G @,D C@ . >, C -C -A+ A> - > >JJ,G - # +B@ @ C+B - G @,D2 EC A . -C+B % -A +2 &0 1 0

OPQL < 7 V ' !2 & $! 7 U O<;N OO< 7 B + C> + +B -G,@ ? G @C @ ;L<N & - (3 0 ;= ' (5 >@ B>ADC@D / > U@+ ,, A@ -C C-J@ 0 &0 , @ @C>@ G -> C ,>@ B>ADC@D + +B@ C +@ OM)Q ' 0 - * & 0 ;NO # >C &@ - J,@ + - - 2 +B +B 3 -A@G2 ? U@ %, -+B2 AD @C @ + B@ J A , J, @ B@C@ @ @AD ->C %, -+B2 $ OQNN 3 . $ " OP # + ;M<P2 B@ J> ? J B@ E D @C@ +@D +B + @C @ +@C +- B . CD@A

E ' 0 8 -C %! 0 # - ? ? -D +G -G @,D >JJ,G2 +- E@ -C+B - ? A . 2 $ (

OPQP < 7) & % $ SSSC 2 BC@@ D G@ @@ ->. B+2 , - A . +@C @C @D S%) L = &) - 1! (<!& (2 D +- B@A + >@ ? - C@ -C ,@ C@ . >, C,G C- ? >,+2 , J2 @+ 2 A - , ? A@

=P $' 0 8 A % 0 > @ (2 - D@, @C -C D@ , 1!&2 -C +B@ , U@ =% 1 0 =L (+- J, G 8-A@(

, . : +- D- 8-A@(8 . - - D -C E D( ) ' 0

A/OA < ' (LK2 C@ ?@ ?E@C +B@ +C U@ G -> @C>'D ?@2 B@A + - - U@ ?G ,@ >@ - 3 D ? ! ,> OMNQ] - & ' ; OLQ 7 B + - ,@ B@@C@2 @C> A . - E@ U@ 2 AD >++ A . ->+ - E> ? ?@ A>O& =) . 66 " B E &!* &55 55(>2 & [E @E@@A @C A . G -> . - - D +>C>* ? ' ? @,,@2 @,, ?G @, OKKQ 7 2 ($B& = ' & O=< 1 -> A@ @C A G ->C , @ @C @D ?@ -C @ +>CA +B A B@A G -> JC@ @A+@D ?@ C- ? B ++ A . +B + ? A

!1 - B AD 8 - ? ? -D +G(+- > +- ?@C A B - J 8% @A @ LP (

OKMO = " 9) - 0 $!! 1 0 A 2 O@A GCC@++' @ G ,, G -> ,@+ B@C B @ . , , - A@ . C O@ +- @C @ +

- +C@ + A J@ @D ? AA@C2 ^ / @ @, -J@D 8 A C- ? +B@ > @ - & 2 !!(!!(@+ 2 A +B@ @A @ - EC A B 2 % @ J @A @ =E a

!2 - +C@ + A J@ @D 8> > ,,G >AJ,@ A+ -C >A C(? AA@C - B @ ,G ,&!!&D) $!(

, OOQL <ONM " @ ,@++@ ? +@ B ? - aV +B@>@D AD (Q>\ B@ L ? C@>@D@ @>@C@ B-A@ OO<Q $ < . B 8$ - ,, (MO=) ,, @ ,>B@C B-,@C @C@ @C>@D - 3 @ - ,D@ AD@ ,@ > B J -> EC> B@ D- , OLKM B ! . T 0 PK= P B > +@C @C>@D EG AG) +@ $. B+ - +B@AU@ +- @C>@ BG ? JCG>@,G , O=O ' . 3 0 C ' , 0 LKPL , ,) + DCGAU@ - ? A @C>@ B , OPOM C 0 C %0 8 7 D@ 7 ;PL;( )< B@ +C@@ +B + ECGA . @+B -C+B A- . - - D C>G+@ B ,, E@ @C>@D A ,GU@ G @ OPK< B ' 0 C& ;SS 8 CE (Q; # C @, @ E@ , - U@D A+- +B@ %B>C B EG +B@ !@S+@A ? G @, @ -A @ @C>@D C@ D A . A J + JB A @C+ A +B@DC , %B>C B - A . , AD2 OMO; " - 1(O=K @C>'D - > , D @C>@ $ + OM<L)

0 & S , 0 8S) (;N AD A - E@++@C +B A +B> B # D E@@A @C @D EG +B@ - ? > B D ? C@D ! ADG 2 OQOQ < $1! 2 Q ,, - CD B->,D E@ @C D , U@ G -> OK=Q = ! 0 0 & S @C @D G -> G -> D@ @C @2 B->,D A- J>+ ? G E>,,@+ A+- G -> OKMN) . . <!$,0 S O;< #A @C A . , ++,@ +B@ ? +>CA@D - @C2 AD ,@+ ?@ A+- +B@ , U@ ; +C @D @ -AD -A@2 B B @C @D ?@ A +B@ ?@ ? AA@C OKQN) $" > $' 1 . 0 5(@+ ONN B@ A @ J @C B @ >A -C+>A +@,G E@@A - @C@D +B G@,, - B2 B B 2B E@@A C@ ? - @D C- ? - ?@ A +B@ ! ,@ +B @CG . - - D C@ >,+ + ?> B +- E@ B@D +B + ,, +B@ J @C @C@ - @C @D

E & 8 J@C -A(+ - +C@ + 8 A

- @AD@C(B@ D@ @C @ - B @ ,G A JBC

8 ? @2 G ->2 @+ (H , - - , , - I

8G ->2 @+ ((=$' + 8G ->2 @+ ((A

@S , ? + -A - + + -A + @@ A . J@C -A

J>A B@D -C B - ,, G -C C-A . D- A .

OPKQ ' 7 7 0 $ 0(!$ & @A -G , 2 B ,@@J@C 7 B B -C B , ->+B > ,, AA@ @C>@D C .B+ ;978 ' . .) > &!!&D0 ' 0 8;MPO(LNL B@ C@+ B 8 D >+B@C(@C @D C .B+ OQNL +C ?& - $ ' > <) ' $ =;< 7 B + +B AU G ->2 ! C2 7 @C@ A -+ +B@ @ ,, A C .B+ @C @D OQOK S \ C & 0) 10 ;; L; B@G @C 'D G -> C .B+ @A ->. B ,, G -> A@ @C B @ D-A@ +B G ->C " -C @ J, G ;KLQ C , . 2 0 S, 2 +>C , D@ +B] -CUB -> @ >A@C ,] @C @ B ? C .B+] ,, - @C OKL< $ $! ?&& 3 C 2 O>+ J J +@CA -C -A @2 AD - @D +B + ; B D E@@A @C @D I > +@ C .B+ ;K=O ' &!0 0 !@C $ ' 0$ $ $ (T "@' +- ,@A ? G +B A . AD C>A G ` ` '] ! G B@2 T AD C @ G -> C .B+ ` ` OKKL : $! . & % &2 ' << %-A ->AD +B@ @,, - + ->,D @C @ B ? C .B+ +B@G +- @D B ? O) 7 C ' , C & =P @CG-A@ B D B@ CD - B D .C @2 AD , ? - + @ @CG-A@ C @D T !@C @ B ? C .B+

!0 > !$' 0 - C-E E - ? ?2

->AD & &) $' &) (+- U ,, 8 A@S+(1 (

3;; " S B L !$. 0((+- @C @ J@C -A2 -C , @2 +- C-E +B@ ? > B ? %& E - 1! (C-E D B ? - E + B +B + C E B E@@A E@ -C@2 +B + B-J B E@@A ,C@ DG C-EE@D2 \ - ? A2 , - - ?@+ ?@ . A @ +- ? ?2 ->AD2 -C D- B ? - ?@ E-D ,G B>C+2 AD +- B ? &) $' &) +- U ,, B ?

! & &) +- J>A B2 + U@ C@ @A . @ -A

+- C@+ , +@ -A 8-A@(%& - ?@+B A . -E*@ + -A E,@ ,&!!&D(8-C . J> . , + , A . (, - =) ' '

!$' +(+- T J>A B " -C ? B 8 @A @(

OKOQ *& ' $ 0 ;K B@ E>+ B@C - - ? J,@+@,G @C @D ->+2 +B + B@ C@ . A@D ,, JC@+@A -A +- +-CG ;KS< = & - 1> - & 0 8@D L(L= AD B- -@'@C .C@ >AJ - ,, +@ B@ @,, EC@D %B ?J -A @C 'D B ? ->+ OKLM %- 8 $ " 8;K<L(;SL ' ,, @C @ B ? ->+ -C OKMO " " L ,& 1 L<K B +B@ +B CD -C ->C+B , . B+ - C , +B + %- . A 2 B- @CG C@ B +@C C- +2 E D @C @D ->+ +B + D G OKML : 7 . $ 3?&10 ;KL ' ,, @C @ G -> ->+ -C +@,, A . +B@ , ? -A B@C@ : A OA =)) . . $ &) < "@ @+ E ? AD +- -CU +- -A D@C B- E@ ->,D E@ + @C @ ?@ ->+

@ BA , @A @ 8 +B C -> -A + (

.3 $2 0 - ? U@ ,@ . , D@, @CG - 8 JC- @ -C C +(%-A +2 & ' -C) *& ' 8 J@C -A(

;==O &E & % C $! 0 =L O AG &C- @ @ - > B@ JJ@, E@ CD@+ -C @C @+ A -+B C G @ O=<= , , 0 $0 $ 0 ,& 0 OLK - +B@ @C> A . - +B@ EC@ - GD@ - +CG@ J-A@ +B@ C @ - !>DD C, AD A A>@CA@ OPQN M) C $ - 1(V ' 4; #9+ O=N - @C @ +B@ JC- @ @ - +B + > +@ >J - A B ? OPKL OQ ! O0 L P B@ ?@ &C @ !@ ,@ D>@,G @C @D2 >J - A +B@ J@C -A - +B@ ?@ " @ C@ OMO - .) & - $' 0 $,&, . 2 1 -> C@ - ?@ +- @C>@ CC A+2 -C ! + + -A OQQM $!) ' 3 &,& - $ O= O " AG A-+ @ E@@A @C @D >J -A G -> EG 3 C : C>+ $>O . . - 0 $ 2 * 0 LLP A ++ B ?@A+ ? > + E@ @C @D EG +B@ ? C B ,, OK<M $ 2 - % =KK ; B@ @ +CG @C @D A -+ @ -A +B@ C@ J -AD@A+2 ,, A . >J -A B ? +- C@J C +B@ DC A

% 0 OP<L) , 0 ;QKN B@ D@@J@ @S + -A - B A CD ->,@2 " +B @C>'D D> ? E@ CC@ + J -A B +-A . >@ ;K=O 3 $' " ' " SS 2 ! - ?@ C AU2 . C, ->,D B @ E@@A +B@ -A,G -A@ , U@,G +- @C @ C + -A +B@ *- , ++-CA@G' B@ C+ ;K=Q C B !) !0) ' 5 0 8;KPL(OO -+ @ +- I > + A- @C @D JC@++G , E@C ,,G

E - JC@ @A+ 8 J@C -A(2 C + , -2 & ' 8 L; (

;LQP A / 9 A . $! 3 &"$!8;MPM(KK 5 - C B B > @2 B@ @C @D EG &>C @ A+ C- ? 1 - CU ;MLN ?$' D) &% % ;L 7 + A . @A+,@ - ? A E@ A . > ? ? -A@D A+- %->C+ +- + U@ A # +B 8 -C B@ @C>@D A +B)1 *, '$+ B @ S ? A@C U@D B- ^@+ a ;MPP - B . . A 0 (2 ;LQ @ @C E@ -C@ +B@ O B-J @C @D +B > B JC-B E + -A OKL< C B , & !($. 7 U ;KMO ;<< B@ B- ,D@C - +B + J, @ -C -C+>A@ ? ? @D +@,G @C @D +B > ? ? -A +- >CC@AD@C +

- ,& $2 0 - D@ , C@ 8 J@C -A(B@ C +- A @ + +@2 EG +B@ C? + @ @CD + - A T A I >@ + -C *>CG JJ- A+@D +- D*>D +@ +B@ , ? %-A +2 &% 8 A @ + +@(A- -A,G +B - ? J,22 & 8 J@C -A(&(

A @CC-A@-> B-C+@A A . - +B@ JBC & , ' &) 5 @@ B 0 L

OPNM 0 C " $! ,& 0 ;Q B@ A I >@ + +B + @CC + B ? - B EC@ - +B@ D ?@C,D -C+B - , AD OLLL , , (0 $ 0 ,& 0 ;LK A@ A I >@ + +B + @C + $ B@C+2 > ? I >E ,@ , -CD A>@C ?@ +B2 - +B@ , AD - A>@C ?@ +B OPKO 0 C " &) ' , ! ,& P)K "@ , @A+,C AD -E+@A@ B ? @, @C + C > @ +B A +B@ J @ - +BC @ +@C ?@ OMLQ B 6) 0 8;MM=(P= # +B +B@ ->,D @C @B ? @, " @ C +- +B@ J - - C ?@ A) C+ -A B @ OM<L ' 0 $2 ,& 0 ;;; 8@D O(==< # +B@C " @ C AA-+E@ @C D " @ C 2E>+EG J@ , !@C @2 @C A . +B@ ? +- > B J C+ >, C 2 B@C@>A+- +B@G > @@D2 EG A @ + ? @A+ -C &C- -A2 OKOP <) " 0 H(7 @ ?> +J - @C B +B@C2 AD @C @ B ? B@ C +- E .C AD +B@C @ OKP= " = . . , 0 , - (S 8;KPQ(LPM +@C . @++ A . ? G @, @C @D B@ C +- ? G +B@C E@ -C@ +B@ %->C+ - +B@ % A-A

[illegible]

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/ ,? + A 2 0- A A 2 !@C A ^@+ a KLP C ' ' " ", 0
LOK ; +C-A.B-,D +- +B@ !@C A A +B@ C C +B
+B@ >CU ;KQK - 0 (%4 4 =NO %BC + A
-,>A+@@C C-? $> B@,J A. +B@ E@,, .@C@A+ !@C A
3 8 > A(2) &-$' (^ 2
$') ") @@ " V # -C J@C+ A A.
+- !@C > >,, > 2 +B@ S+B U A. - $-?@2 B-
D +- B @ -C. A X@D +B@ J,@E A+- +B C+G ,- ,
+C E@ AD +- B @ @A C ,@D +B@ +G +B ,,2
- B B @S+@A @ C@? A + ,, @S +
;K=L C ' ' " ", 4 4 ON; B@ JC-E E , +G A ->C
- @ +C E>A@ 2 - +B + -A@ + U@A C-? @ B - +B@ @
!@C A , @ $ //)) .. (&- ; PM
J@C -A B- -A @ E@,-A.@D @ +B@C +- $-?>6 A C E@ -
E C+B -C !@C A C E@ - J, @2 , G C@? A@D ?@?E@C
- +B + C E@ SKKM . A ' ," ,!0 ? 0 4 4 QL= O
A,G +C> A E> ,D@C ->,D B @ E> ,+ +B@ !@C A ,,
^ ! @C A + J>C -> -CD2 D>@ +- O@CA@C
B A. ? C@ D +B@ 5 - ' - +B) $' 0
A +B@ C +)-+ O@CA@C @@? +- B @ + U@A +B@ -CD
A D* 8 3 $0+0
$/A/) & (" ;MQ E2 B@C@ ,, +B@ -?
J AG-A ? D@ +B@? @C>G >A+ +- ,@GA@ $->S 1 (!!(
,SS+ O;N - ? A ?G.E+ @A+C@ A +- +B + -?J AG2 +BY
->+ B@ ? U@ @C>G >A+ -C -+B@2 A@>@C +- E@ C@ C?-> @
. GA +@ +B@ C- A@ - A., AD@ a

3) 8 -> (5-C? @C @2 O P
@C @2 L @C X2 L = @C @ 2 L M @C G @2 L Q
@C 2 = @C * 2 @C G 2 ,(@C @2 = P @C
@ @2 @C @G 8@2 = M @C G @2 @C G 2 = M 8K(
@C @ 2 P @C G @2 C G @2 @C G @2 @C G @2
P M C G 2 P M 8K <)! $ + C @2 ."2 ,(
@C @2M C @ 2 @C @2 . B@C @2 B@C
G @2 @C G 2 @C G 2 @C G-@2 M Q @C @ 2
M K $!(C 2 Q -@C 2 < ,0 C @2 L @CY
@ C 0 Q @C @2 ^ # 5 ," ,," , -
" , 8?%D 5 , +" D 2) ' "
%0) , @ % &C2 O (" !J , &(
&. " + O &" &0

B@ -CD A A., B2 , - A +B@ $-? A , A. 2 B
>JJ, @D +B@ J, @ - A->A - + -A +- +B@ -.A +@
3 AD + @A @ D@ @,-J?@A+ JJ@ C +- B @ E@@A
? +@C ,,G A ,>@A @D EG - + -A +B +B@ @CE a
B@ -AD + -A - E@ A. @C A+ +B@ + -
@C A. ? +@C

B@ -AD + -A2 + + -A2 -C - >J + -A - E@ A.
@C A+ 8 A ?-D > @ ,?- + @S ,> @,G * ,0
I &- , , 0+ $ A JBC @ +B JC@J
; $ B ' (H< ' &(<<&' (&) &% , D & & "*)
" & , D & & ' "*) ' &($. ' &
, D &*!$, &) $, (
SLbb L- & '0 .0 M== B ? -C @A +- AD 5-C +- A
.-,D \ @ A @C> @ * L->C U A. +- E@ ;=NN (
&" ==NN " @ -CD A+ A.@, +@C B D@>G @2 AD @+ B-CA
A @C> @ BG? @,>GA +- B-A->C2 , ;=NN &!0 &!!0 8% ?Y
D@A(= ? A B >@ A B C@D J,- ? A A +- @C>@G +-
D @, V B ? ;=OM 0 0 % !! 8;KKO(Q; AD -, AD
JC G LN 7 &B@, JJ@ E@ U@J+ -A @C> @ + ,,@ ;=<P
& ' " ?.0 PMK J + @>@CG 3 D@ \ -,@ -? A 2
+ U@ %B ?EC@ +B A A B-A@ + J@C -A@ -C @, +- .- +-
@C> @ ;P=L = L P (&@C -A +B + B ,,
B >@ AG - G @ -C B ,E@ C@ @G>@D A C> @ +B B
.C @2 ;P=K ' . . . &' (('0 (=< E2 B@ GD@
O C,- @+ ?@ +B ?@C B >A+ - 3 DD@,E-C->.B@ +--
@C>G @ , ;PPN +C & $' 2 ;N B@ ?@
E@GA.@ J>+ +- @C> @ A +B@ ?J@C->C B-> @ ;PPQ
& * $!! 5 P2 7 B@+B@C+B@ ?@ %B ,D@ E@ A +B@ " - @2
-C + >C @ + !@C @2 -C @, D@ D ;P<O &! - $' 73 C (
QM @ + ?G ? +@C +>CA@ ?@ ->+ - @C> @ ;M;N
- *(OKM % , E A 7B-? A- U@@J@ A
@C> @ Q=< .. < ! ? $ 2 S 8;QKO(;N=2
C@ -, @D +- .- +- @C @2 AD B C@D ?G @, +- .C@ + --,,@A
DC J@C ;QQ;])- * 0 !0 O< 3 G2 B@G C? >J +-
-AD-A2 A B-J@ - .@++ A. A+- @C @ ;Q<K 4: 66
! $;; 2 J, @ B@C ->+ + C @ ;KLL '
= B $' %' 0 ;O ,, +B ,@ +B A ? AG
? D B +B + B E@@A + @C @ B-C+@C + ?@ 4K=4
< (& $ " $- (2 " @ B D J>+ + - -
B D >.B+@C A+- @C @ SKKS 2 B7 &' &%
& . -+ @ @A +B@ C@++ A. B@A +B@ @,D@ + . C, A
@C @ C G -C.-+ +- C +@
2* 0 SM-- , # O < OM O>+ +>CA A. +B@ @
@ + ->+ - @C> @2 ,@+ + ,U@ A .--D @ CA@ +2

E A -+B@C -A +C> + -A

);=ON - $ $, 8% ?D@A(2 ,,@ +B + +B@C -,D @C>G @
B >@2 9AG) +@ I> @C@2 L-? A AD UA >@ $;=PN V ' 0 !$
&) S 8;<NM(KM B@ B B@ ?-A !@A@ B ,, -
+B@ U A.22 AD E@ ?@ C B@ EG B @C> @ 4!OP A 0
- $ 0 0 ,& 0 A ;POQ 8;KKL(<Q -AG C@? A - +B@ D
C + J >C+B - +B@ +->A -C B E AD - B @C @ E@
-? @ >C+B2 O/%> C $!0 C! $ (A S 8;K<N(2 OMK
^!B@a D@+@C? A@D +B@C@ -C@ +- @@U@ @C> @ A +B + B-> @2
->A+@C G+ A.@ +B@ UGAD@ AD B E +@ - & .@)MK
' ("&) - 0 8;QQK(;O= = -$', +(B@
-A AD D >.B+@C - @C @ J C+ +B , E@C+G2 E>+ A-+
+B A +>C@ A +B@ C -A+C + 4QK! . " C !& 0
S 2 !@C @ A +B ->A+CG 2 + ->.B+ +- E@2 -,>AY
+ CG2 AD EG -A+C + L ' ' ')) . ! - 0 ! 0 @
8;<N=(;LQ " -,G ! C J+>C@ J@ U - A @C @2 +B@
.@ - B B D@ +B O >%) !1 $ SSS2
B G-> ->,D B @ . @A >J @C @ EG +B +?@2 S)
6)[ ) LSN C ? B ,, . -@
+- + U@ @C @ +B O C+@C ,@2 @,, C@J>+@D J,@
?@C B A+ 4K<4 : 1. 7 $ $! S 8;<NN(;PQ
7 B@A D D@ G->,@ @ @C @ T " - D D G->UA-
A @C @ 2 @A@C , @C A+
C & 1(, ;=SO . 3 0 C 0 K=; !@C>G @2
-+ @,2 A-A B@C + .@ 4KL4 8 -0 (
E C N O>+ @C @ AB@C + A @ +B@C@Y
-C@ 2B@@ E@. AA@ A- A B >??@C2 +- + E@ C@ >J . A +
A+@C ;QO< 8 6 , (0 @A / C@ + 2 A @C2

+B + J--C @C A+ A-+ ;N E@ E, ?@D B@ +C @ +D
E@++@C B ? @, +B + @C @ A- AB@C + A @
i - !@C +>D@2 , @G 1 0
;L=N QN ! $) ' <LP #A @ @ \ -?@A C U B@@
B +@@A@ AD -,D@ +B@? +-- @C> @ A -C- @ +-- B>@
/ %-A +) -C J- @ @ B@ -AD + -A - E@ A.
@C A+ - J C+ >, C ? +@C
, ;O<N 0 &% L< A 0 ' 0 0 OQO B ? ? A
-J@A ? @C> X H $!0 0 A ? @ @C> @a AD A-? A @C>
A@,,@ O-+@ ? ,->@CD B @ B@ 1 0 P< /) + U)AA@2
%C +- C@ @ D@2 J + ,@A. E@- A J A@ @C> @ $;S88) &
>B B ? +B A A ,D2 F> B@ @ +BC ,,@D
A B @? " @ A@ ? E@ C@ -A A U A 4LKO 9 .6
L V ' L ,G+ ,, BG,D -? A G+ @2 +B + A +B@
@C>G @ ^ >,. ' &1 D) &H - +B@ G - ? A);=NN
& - 0 & =P<=2 ? - -C@ E->AD@ B ? + ,2 5C-? B
@C G @ ? G A-+ ,@@A O J% 8 .. A 3 @CC ? A %
0 8;<NO(P 5-C ?G U@ +- @J+ +B E@C@C ! , Y
E>CG . A A+- G->C @C> @ ;)<M ,.0 0 ;;
;PM - ,@ >@ C B ,@ @ @C> @ $>$% ' 8 C! $
&2 ' ; ;LN & C@A+ A C@ -A E,@ 3 AA@C B + @
B B ,D2 -C 3 +@C B !@C A+2 E@ A. +> ,,G A E
!@C @ + +B@ ?@ ;KLP .0 ?&O(0 $.
2 B + +B@ @CG B-> @? D !B@ @A+ A+- 5 AAG
@C @ B@A @ @C@ C + ? CC @D2 AD B E@@A +B >
@ @C A @ ;K=; < 0 & $ " $ - 0 S 2 1->
,, B CD,G A G +B + UA@ AG+B A. - +B@ -A @CA -
+B@ %-?J AG A+- B- @ @C @ @A+@C@D + @A+ @+B ,@CU
, $*!0 ! OM2 D- A-+ U +B@@
+- @A+@C ?G @C @2 -C +- C@ @ @ .@
E A C@, . -> > @ B@ -AD + -A -C + -
E@ A. @C A+ 8- -D(2 % ;L2 % & ' ''
<& > , +- D @ A +B@ +B
NSOLN $! 0 OK E@ @, @ .-D@ J> @ 2) A B
A@ @C> @ B C@ , ,@ D@! ;O<Q $ < . B 89-,, (O)QQ
%-A + A @ @,D- +@ -A@ A .-D@ @C> @ 3-A@U E@ ? D@
+ A B@ +C@) OSLNN) & 0 P=KO ! J@A B ? D@ D
- @JB2 J + 2 AD @AD D A ->C , >@CD @C> NSLOP
C & 0 ' "' A O-DD@U@C ! ' (, 0 8;KQK(OKK
@>@ ,,@ +- E@A _) 2 A+ +- @AD@ A B @C>G , ;=PN
+C - $ &' 52 (S ^S2a Q< # J@ @J+ E,@ \ J@ - >AD@
@C> @ - .-D ;P=< ?.0 &- -0 C $" (&- (C $" (
OAD %-,,@ +2 # -D B- @ @C> @ J@C @ + C@D-?@
- B@ -AD + -A - E@ A. +B@ T @C A+" 8-
- @2 - -A@' , DG(1 0 8% ;N (
, OJ>& B &- %!0 $;K<5-C+B D G A B C @C> @
B , DG@ , ;LKM] D) > 0 OQO " @ ?- +@ B A UA- @A
,->@ AD B @C>G @ $;=PN = /> 7G?? -A@ @C>@
+B- ?- +@ -C U@ ;PNN ON B C& - S, K B
@ B C @A+@A >@ + AD D@,@ + E,@2 ,> +G ,G @ A ,> @
E@C> @ E@A@ ;PKK ((0 3 OQM AD -A
. > ,, -C ?G @C> @ E-CA@ SM = B &' '0 &
$ 0 4O E@ +BGA@2 A- .C@ , A D@ +B ?J-C+ ! ,
? U ?@ @ ?@ +BG @C @ +- D@AG
i D J C+ >, C ? A +@C , - @ -C B C.@
, 4OPN < '0 = 5(LQP= " @ ,0 9-C B AD B -?J AGa
@ D@A B@ @C@A >C-+ E@+ +- - + @C> @ +- E@A @+ ;L)
9 .6 !0 . 0 O=Q J@ S+@ @C @ + U@& B@ J +
E- @ A EG *?@ @ A J@ @ @AJ@ @C G @ B@ J + B J
?@C G A ., DA@ ;LKO] O & 0 ;K -D . +- +B@
?GA +@C @2 -C @C>G @2 - C@ -A , A.@
+ +> + -A -C J, @ @C A+ 4&1 0+0 E
J C+ >, C @?J,-G +B@ @C A. - @C+ A
? +@C -C B-> @B-,D
;=M< C& &' 0 LKQ 7 B@DGC +B + +B@G B ,, @U B@?
A@ @ @C G G -C A-+ ;PNP A 5 $, ?) 0 ,0 '0
8;KM<(4NQ # AG ? A@C -) E->AD 2 G->A. ,,- -C
G->A. B> 2 B AD A JC@++ U A-C @C> @ +- , @ J-A
;PM= ! 0 $ 0 ;OM :-BA : U -A ?@ +- +B D@J-A@A+)
AD ,,@D +- B @ !@C @ -C ? D@ ;P<M
,.0 0 ;; ;MP2 AA-+ .@+ @? @2 A-2 B >@
A@C@ +-A.>@ A ?G B@ D ;ML= = . &-) KL AD
+ U@ +B@ 7 @@D AD, U@A@ - ! A2 B + +- +B@ @C @
- +B B-> @ E@,-A. > 7 2X 6 C !! 8;OQO(O=K
AD D->E+,@ -C - ? ,, E> @2 G->A. ? A ? G B
!@CC @ ,- @ ;QMQ B 7 $ - > (&C &*! ;K;
B@ B ,DC@A @C@ J>+ A+- +B@ -C,D A @C @ ;QQ<
9 A :@ @ !2 " '' = &' - *0 8;K==( ) "@C
?-+B@C2 B- A- C@D> @D +- B @C @ ^ 5C@A B
.- @CA@ a A -C@ .A , AD SK K &1 &" 2 +
@@? +- ?@ +B + G-> ? .B+ B @ ->AD @C @ B@C@
+B@G @ + ,@ 2 AD C@ ?-C@ -C+B-D-S A +B@ C -C B J OKPN
' ' -0 SS2 T + ,, E@ B CD +B@G G +- AD
A-+B@C @C @ > B +B g
! B@ -AD + -A -C @?J,-G?@A+ - J>E, @CY
A+ 8- - @C@ .A -C + +@(' ? "
', (@+ , 8 B @ ,G - -,D @C -C ,-C(
40<Q $ < . B 8$-,, (O=;K \ E -,,@ E@ > B J + A-
JC A @ A@ D-CC@ E-? -C U@ -C B-C JC- @ @ ., D, B@
A +- B-C @C> @ B-CA + U) ;L2 <) " % $ 2 0 QN= \ J
B ? @, @ + @A+ 2 J + J J@C, $-E >D B DD@ E@A ,-A.2
A B @C> @ C?@ +- AD@C -A. ;L<M) 6 &' ,!0 &!G
!$ A ' 0 0 0 8;<NQ(4 4 O<< UGA. AD
E B-J , A - J@C -A@2 >C + AD A - @C A -C,D,G
@C> @2 ? U A @>@CG C@?@ ->+ - .-D C@>,@2 ;) P 9 R
7 +C , &!$"> &"0 S 2 ;< E2 "@ E@ A. A @C> @
- B ?- + %BC + A 3 @ +G $ $>%J 9 ! : 7 C&! 0 =
0 ' , 0 8;K;<(PP 3 G -CD @ - C@, AD2 .@A@C ,
- @C A +B@ > +C A @C @ 4QQ< 9 A :@ @
2 " ' = &' - *0 8;K==(<P %B C,@ 5-S B ? D@ B
?-+ -A -C +B@ C@?- ,- -CD ! AD B C-? B 3 *@ +G'
@C @ AD ->A @, A JO $ $! ?&& : A 2
;B @ E-CA@ +B@ -?? -A - ,@>+@A A+ A +B@ @C @ -
9 A. @-C.@);K=< = B. 0 P<= B +@
+B@ +BC@@ A., B C@. ?@A+ A +B@ / >+ B @C ?@ .B+E@
@A+ +-+B@ B ?@ ;K<Q $ 0 0 'P;
0, -D@ C G2 A - @C A +B@ !J A B A ,@C @2
+E & $&% , (C B-C @ -C B C.@2
;PQQ KM B , (!0 'ON ; A &! (
+B@ B-C @ - @C> @ +B@G ? U@ .C@ + +-C@ ;PKP
9 7 +C , .&!$" &"0 SSS ;PP E2 B- @
B B@ ? .B+ ? A+ A@ B-C@ - @C> @2 @C@ ,,@D
UA .B+ SM-M &, $, (@+ 8SKKS(=K - @ B-C @
- @C> @DC @ A D->A. C+@ 4MQ< $,0)
4;M B +B@ D$-E@C+->.B++- -?@ ?@C@D >J-A B -C @
- @C @2 +B + @A+G?@A + C?@ ^@+ a

N & $. , +- @A, + >AD@C ? ,+ CG
-?? AD@C2 *- A .B+ A. -C @
;K=Q = . ! 0 0 & SS 2 $@ -,,@ +2 +B +2
B +@ @C .@A@C , G-> + U@ @C @ >AD@C2 G-> ,, -,,-
B ? OKQK 1 , 0 $. 0 QK "@ B D .-A@ +-
!J A +- + U@ @C @ . A + +B@ 3--C
M EC A B - J>E, @?J,-G?@A+2 -C E-DG -
J>E, @C A+ 2 -A @CA@D +B -?@ J C+ >, C
U AD - -CU -C +B@ >JJ,G - -?@ J C+ >, C A@@D2
A ,&')!$, (,) &- , (
*!& - $, , (5, , " 3 .
3

A% / 9 ')7 $ "8" U, !- (: ;QM 5@ C A. .@A+
O@ CD AD %->AD,, + ">.,G ? .B+ E@ -@ D J,@ @D +B
B ? -C B@ A. AG U ADA@ +- ?@2 +- +>CA@ B ? ->+
- G !@C @ $>>% = . +C $*'& ' T) $ A+C-D
;PL B-? &@ C -A2 I - +B@ + AD %-?J AG
!@C @ SK-S !>$$ *! ' *" ;< @ J-,+ A
J C +@ -C . A ,,G2 E>+ B- +--U +- +B@ , AD @C @ +@CY
CD 2 SK <)" 0 S2 5C A 9@AA@DG2 - B
? *@ +G @S @ @C @ OKLP , P = 9 !!0 (;<
e)P - JC@ @A+ AG !@ ? A C-? @A+@C A. -C E@ A. C@Y
@ @D A+- +B@ , !@C @ - " 3 *@ +G SKM- =
< . "! $> & SS 2 B@ -?? AD A. - @C -
+B@ ?JC@ @C @ $O+$ ( ) ' LNK 7 +B
? ,, !@C @ B B B @ J,@AD D JC X@ AD ? AG
E, AU 2 + A@ + E,@ +B + ^@+ a
E , +B@ C?G -C G 8 -CD A.
+- +B@ ?J, + -A A +B@ -A+@S+(-A D@C@D
JB@C@ - D>+G -C - >J + -A2 -C JC- @ -A
! - 4E ' + , (+B@ C?G AD G2
5-C ' & , 8+B@ G(2 @@ $0 $(
OQNM - *B ,) 0 %% , 2 ! C2 ->'D I> , @
?G @, -C +B@ !@C @ ;QS= * , 0 P) K L 3 A B
C @ +B@ 5 @ +- ? U@ E %->C+ +-) DG2 +B->+ -?@
%C@D@A+ , C-? +B@ !@C @ +- C@ -??@AD B ? ;QQQ
. . . A :@ @ !2 " ' = &' - *0 8;K==(ONK
- D-?@ + C@ -A A E@ +C-A. @A->.B +- *> + G ? A
A I> ++ A. +B@ @C @ + +B@- @A A. - ?J .A OKLL
= C 0 - *! SS 2 B 3C " CC -A ->,D + G
-A B-C@ +B B @ ,+-.@+B@C2] +' C@ ,,G +C , A. +B
+B@ @CC @ OK=O B $ 0 !0 , '(0 0
&C@ 2 8;KPO(2 3 G EC-+B@C - @C 2 -C +B- @ - +B@ ! +@C
!@C @ ;K=P *B . ? 0 ' $ 8;KP=(LK; B@ ?@CY
B A+ AD -+B@C A-+ -AA@ +@D +B T+B@ @C @ ->,D
-A,G E@ D? ++@D EG E ,,-+ SKM ") : 7 . *&
$ 0 8;<NN(LMO @CG ?-CA A. +B@C@ ? ,, C- -
+B@ 6A +@D !@C @ + AD A. *> + E + - +B@ ? A? +
;KQO &) ! 0 ?&"> ' '0 ;KP ; B@ !@C @ .- A.
+- +B@ D-.
2 B@ -CU -C D>+G - @C A+ +B@ + -A
- @C A. ? +@C
M &@C -C? A @ - +B@ D>+ @ - @C A+ ++@ADY
A @ - @C A+ : -CU D-A@ A -E@D @A @ +- AD
-C +B@ E@A@ + - ? +@C & &(1 $ 8-A@(
, (+- @C @2 ++@AD -A 8 ? +@C(* A- $
@S *& 0
$ 4ONN , =) LL :@ @C*@D E @ !@ ? A :V@ A+
B B@C+@ ?-C@ +- ? AA@ @C> @ ! AA@ +@ .-D@ $ OLNN
) & 0 OKOKL # >@C , -C aV ? +- C 2 $@ U@,@
+- D- U ? V C @C> @ OL V 0 ! 0 L;LK BC@- B>ADC@D
+- -C@ B ? +-D@2 5,-?E CDGA.@ 2 UAG.B+ .-D@2 $ DG
+- +B@ UGA. @C G AJ%A 7. C 0 C !0 A O;N
!@C> >A -C B@-C@ @C> @ U@E 3 @@D@ - B -C@ 3 G
+C@ AJO+ < 8 & %0 ;=P BC@ +B@C @C@ B + ?- +
@C @ >A+- B ? B@C@ A&>+" / = .) SS
OP; O-+B@ AD +B@ @ G>@ B-AD@CD UAG.B+@ B , , @G@
E@ + G->C -?-A +- D--G-> @C>G @ OPKM) ! 2&
,,0 8%B@+B ? !- (LO 3 C.@C @ "@ @,D@A -C +@A@ GU@
@C @ *b *) A%+> & 0* 2 7 A@2 7 A@2 7 A@
7B + @C> @ B@@C@ +B AU@ ->C 5@,,- @ C@ ,@@J@
SMC-] - *0 ; O=Q $@?@?E@C B >@ D-A@ +B@@ -C+BG
@C> @ OKOO 0 $ &! '$ $ 0 8;K=N(=MO A @ AG
? ,@ , @ -C , @ E@ - J@C? ++@D +- B C@ ->+ +B@ C - A
+ ?@2 , E-C -C @C @ OK=P ! 5-S &'. = &'$ 0 SA
;=Q " @ ^+B@ J-C+@Ca ,,- @D +B@ @C @ - E-G A /O
< $ ' =) =NP B@A +@AD A. B@C C->.B
,-CD2 A ,@A @2 D D B ? @C @ I> C@ S)K =
&-0 ,&'0 LP; 7B@A +B@C@ J C,->C ? D A +B@ @ + EY
, B?@A+ B@C B C@ - +B@ @C @ +B@ J C,->C AD J A+CG
-CU2 AD + A. + + E,@
% 0 8- +B A. (OL=N ' 1 . C 0 &' ,0 MLK< 7B +
A@D@ C :V + J C@ +>C@ (V A !B@ @D ,U @C G @ ? C@
-C ? A2 ;PLP 3) . A $ =M B@ + CC@ D D@ +
+B-> @++ A -CDC@2 AD . >@ + +B@? B C.@2 +- D- @C>G @
@>@A A+- ? A ^ >,.) ' ' .&- ' H0
E A + - @C A. D>+G -C J @ @ - -CU
D-A@ -C ? +@C -C >J@C -C
$ OLNN) & 0 %b<<<^%BC + B A. +B@ D J,@ @@+ a
J@ @C> , G- A D-A OJ= < 8 &C %0 " ;PM
B> B-,D@ @ @CG -C+B U A. U@ - B UA E+@ UA-
,@ B A. 7B A +B + B@ GB +B@ B DD@A A@D@ 5-C @ @CG
@C @ S@+B ?@D@ SM-- & ' '0 =2 : B >@ A-
JC@ -> + ?@ + , +- J@AD2) -C @C> @ +- D-@ + , G->
C@ > C@2 ;M;N] - *0 LP) ->2 AD +BG ?@ A@C
@,,- @ 2 G->C , + @C> @ / D -C+B ,G J@C -C?@
- % , (5)$! ' ,&' 0 , -
, &% ') 0 1 0
0, OLSP ; ;<MN @ :V@C A@ ?@G A-(Q@C@U@AD@,G B@
/ - J@ ,@ B@ @C>G @ 1 0 ;<QP AD U L J + @C>G @ E@
->,2 :@+ BG+ BG +-UA@ - .-D@2 AJO 3 ?$ @
C0s 4 8;=<P(MNP B@ @+@ ,?-AD@ UGAD,G+B +B@
@C @ - A^-C. $,, H0
B@> @ +B@ E 8 A @A @M(-E*+- @CE
- ?E .>-> ?@ A A., U@*$"(" ! (,@D +- +B@
D@ @,-J?@A+ - +B@ @A @ $@ CD -C @C @2
.@ 2 J G?@A+ 8% 3 1(
$ OLNN V0 - <<N $ A. a@ @2 *@,D ?@ ? @C> @
$ OLNN) & (OKL<0 B CD ?@A AD , -*V@C ?
" (Q C@ @C> E ,D@A C OL ;OL<N8 M++(C@ A
E@DD@ B@ -A + +- ? U@2 AD aV C -C B @C> +-+ U@
MSLOP @ &% ;NO A 0 C 0 8;KM (, S O>+
E +E +@D C +@AD ?@ :->C @C> @ B ,E@@AD@,@ B ?@

[illegible]

[illegible]

[illegible]

[illegible]

+-' +B@' +@C ,- @+ ' ;K<P') ' ' 4 4 ,, ' OP= ;' ! AU '
@C@' -A +C> +@D2' AD' +B@' +G' +@C @C @' ' A+C-D> @D
E ' $! 1(' ' E 31&5"' 3* * "' @+
;K;< ' < $ 3 ' ' O<< " @' ? > +' JC@J C@' +-'
EC A.' +B@' . ' A+-' +B@' B-> @ ' EG', G A.' +B@' @C @ J J@ '
0 $ $!0' ' - $%(' ? 5 10' ' S ' == ? JC- @D' @C @'
E-S' -C' >JJ,G A.' +@C ,- @+ ' $0% -' E@' -AA@ +@D'
@ +B@C' +B' +B@' @C @ J*J@' D C@ +' C- ?' +B@' ? A2' -C' +B'
+B@') J,G J J@' C- ?' +B@' +@CA ' ;KMK' .$ - 0' ' , " ,!0 4 '
4NL O B@'D +C E>+ A.'-C' @C @' C@ @C - C ' B->,D' E@' C-- @D
') ' 2) , 3* *A' 8 @@' E(
$ %/' ' ' B7 ' < $ 32 & . ' 8@D ' O(OLL' B@' J J@ ' B B'
-A @G'. ' -C' +@C' +BC->.B' +B@' D @C@A+' +C@@+ ' C@' ,,@D'
? A' J J@ ' -C' ? A ' AD' +B@' ? ,,' J J@ ' B B' -A @G' +B@'
,> D' +B@C@ C- ?' +-' +B@' B-> @ ' C@' ,,@D' @C @ 2' KQQ' 7 '
) ' $ ') %(' &$!' < $ ' OQ;' !@C @ ' B->,D' E@' - '
->C @' , G ', D' +B' ' , .B+' A , A@' +-' +B@' ? A
' JC- -A' 8- ' , E->C2' ? +@C ,' JJ, A @ 2'
@+ (' -C' +B@' CCG A.' ->+' - ' - ? @' -CU' -C' B B'
+B@C@' ' ' -A + A+' J>E, ' D@ ? AD

[illegible]

.$ $,0 8;Q;;(PP B@ #E@D @A @ @C ,@2 AD ,,+B +
D-A@ +BC- +2 ?@C@,G @C ,@ $>+/ 1 C$ $* (LQ
B@ !@C ,@ 5@ C > > , A +B- @- ?@ A D@J@AD A. %-AY
D+-A AQ - 1 *0 & $;N B@A -CA +- . A
5C @AD EG @C ,@ G $ K> .. 0 $', !!&
S 0G B@ @C ,@ C+ A B B +B-> B + .C- A -,D
$?90 B . L !0(8;KQL(" O + @A - >C .@ +B +
E, AD AD @C ,@ C@ J@ + B B ?@A C@ J+ +- @@, -C +B- @
B- C@ E- @ +B@? ;KM < .) <! $' ' 8;KQ<(
M A JC@ >?J+>-> -C A @C ,@ J C+
! # J@-J,@2 + +@2 + -AD + -A2 @+ &-, Y
+ ,,G) , @D >E*@ + +- D@ J-+ -C -JJC@ @
.- @CA ?@A+ -C +- -C@ .A D- ? A -A %-A +2 &0
- $ -C 1\0
' : ' 5 & 0 ,& OON 7 @@ ->,D , AD@ A
&) B C+@ +- E@ -?@ @C>,,@ +- -CC@ A A -A ;PQQ
' .) &'0 8;PKM(O ; B@G D@ , C@D +- +B@?
+B@ JC D@ AD A -,@A @- +B@ -C? A 2 AD +B@B CDA@ @
AD .C @ @ - E-AD .@ AD @C> ,@ @ + +@ ;MN< . 0
$ SSS 2 7 B + B >@ @E AD 2 AD B ,, @ @CY
> ,@ E@@ 7 BG @C@ -CD@ ? D@ E>+2 +- JC@ @C>@ ?@A
C@@ M) S .3 % 0 0 S KP 0>+ %, >D > A @
+B + + -A @C , ? D@ S S 9 \ 8. $,(
&' " ! >E*@ + 2 B ,, @C ,@ E@ +- >CU AD
A D@, ;QNL 1 1$;0 O=; # @C ,@ , AD2 7 B@C@
@S , D +GC A+ + ,, EG +>CA - ? ? AD ;QOQ =M
) - - B AD ,, +B@ .C@@A D@, .B+ > -A *3 >C 7 B@A
-C +B@ ? B@ ?> + E@AD +B@ @C ,@ UA@@ 8?> %$ (
$!0 2 7 B@A U@D ?@A S ? .B+G2 AD + +@ >CJ
@C ,@ KQL % 0 0 $! 9 D@ J-+ - @CAY
?@A+ AD @C ,@ J@-J,@ A@ @C A JC- J@C
$1 &!0 ;QPP # ') -) 5 = B@ D G
A, G - ? A. +- +B@ @C ,@ A B B +B@G B ,, E@ J- @C >,
i E # .- @CA ?@A+ S@C @D - @C , @ 2 -JY
JC@ @2 D@ J-+ 1 0
;MNL : 0) . 8;MO;(PQ 6 AD@C B- @ @C ,@
.- @CA ? + + B-,D@A - ,-A. +?@ ;M== " ,
") C&*0 OK !@C ,@ J- @C +-,@C +@D E@ > @ + +@AD 2+-
+B@ .--D - B ?+B + >E*@ + +- +
'.' # ? ? +@C ,+B A. !>E@ + &+B@ -A+C-,
- -?@+B A.@, @ A-+ C@@ 1 0
$ I $ # . 2 0 & 0 ;MQE2 . G++@ B@+B@C
- @A @ E@ -? ? ++@D +BC->.B C@@ -C @C> ,@ B-G @ - ,
;MNL : ! $ 0% 0 . <$ @ -A +B> B , @
EC@ +B +B-> C+2 !@C> ,@ +- , +B@ UG@ A ,>@A @ ;KNP
- 8 K-M(B, + P; @A B->,D +B@ ++@A -A E@
U@2 A) -J A -A E@ -C?@D2 +B@ >,+G B B -C?
+B@? @CG @C ,@ +- +B@ -+B@C J C+ - +B@ B>? A -A +Y
+>+ -A 1 0; A ;=; *>D. ?@A+ A-+ @C ,@ +-
+B@ ?--D - B @@, A. 2
M # ? + + -A 8@ J A ,+@C +>C@ AD C+(2 +C A Y
, + -A2 @+ : 6 A A+@,, .@A+,G ,- @ +- +B@ @S@? J, C
-C -C . A , , B "@A @ - J@C -A .@A+
+@C J ;S S ; - $& B) - * ,) (
$%+/ 0 $ (e O 0 !J@@ B +B + C ?@D
+@C +B@ ? + + -A - -?@ J ++@CA@ - @,-I>@A @2 +B->.B
A@>@C - $S @,,@A+ 6 +B B +B -?@ B + @C> ,@2 AD
B-,D A. - +B@ >E@ * ;MLK #B B C$ 0 , O<
" - >AJC- + E,@ + +B + @ B->,D + @ ->C @AD@ ->C
+- U AD@ - @C @ ? + + -A2 , ;M=Q & 0
$ $ &-@? 8 MK(;ON B-,@ J B +B->A-E,G
D- + D@ ,A@2 # +C A. -CD EG -CD2 AD , A@ EG , -@ ;MKN
) C %0 > * 0 8;Q;M(OO2 @C ,@2 ,++@C ,
C A , + -A ;QK;%- J $ $1! 3 0 MMM 7 B ,@ @C ,@ +C U
AD ? + + @ UA U%-A A@ +B@? ,, -A A +B@ E@ +@A +C U
SK-M 0 C " 0 !0 4 LML B@ D,@ -A @ + - +B@
B@? + 2 - B B ->C ? -D@CA I> U C@ +B@ @C ,@ ? + Y
+-C ;KLQ 7 " 7 + 0) , (0 e L OQ;
6 +@ - ??#A+ +-C -C D J,@ - +B@ .C@ + JB ,- -JB@C
D D A-+ >?@ + -A +B@ C @C ,@ B C +@C ;KQ< -
0 C$) ! (A 2 ? A>+@ AD @C ,@ C@ -CD B D JC@Y
@C @D -C> @ @CG B +G @SJC@ -A
2 C !&E # -CD SJC@ A. ?@C@ .C ?Y
? + ,C@, + -A >S, CG
SMMK 9 . $! $ 0 =;< B@ ? -C@ @C ,@
& C+ ,@ C@ - +BC,@ U AD C+ ,@ 2 3-D@ 2 @A @ ;KKP
:2 3 A $, 0 C !&!0 &,0 4)J ;Q
% @C@, + -A C@ D@A-+@D EG DD@D G,, E,@ 2 -?@- B B
C@+ A +B@ C -C? AD I@ A @ AD@J@AD@A+ -CD 2 AD -+B@C
B @ E@@A D@.C D@D A+- @C ,@ J C+ ,@
E - , < $-0 # ,@++@C -+ E@,-A.Y
A. +- +B@ C--+ - +B@ -CD A B B + - >C
@C A. +- @SJC@ D@C + @ -C @S -A ,@,@?@A+
"@A @ JJ, @D +- +B- @ ,@++@C - +B@ ,JB E@+ 8 A
"@E +B@ @,@ @A .C->J@D ?A@? -A ,,G A +B@ -CD
CC-A B B C@JC@ @A+ ->AD +B + ? G E@
> @D A D@C + -A #C ,@S -A #JJ- @D +- $,$!0
7 <$ & &!" & Q B@ @ @C ,@
,@++@C C@) @ @A A A>?E@C 1 0< B@ @ @C ,@ ,@++@C
@C ,,@D2 A-+ E@ > @ +B@G C@ G @C ,@2 -C ,, -
+B@ ?D- ? U@ >J C--+ EG +B@? @, @ E>+ E@ > @ +B@G
C@- +@A @C ,@ +B@-+B@C@ @ @A2 E@ A. G C D ,
;QQM :) $10 < $-0 ;Q & B@ ! &%
& G @C ,@ ;K=L C &,0 C !&!0 &,0 ;LK
^0@CE@C(B ! D + A + -A - ,@++@C 2 A+- @C ,@ AD A-A
@C ,@2 A@ C,G D@A+ , +B +B + -" @EC@ AD C E
,@++@C T -+ + @, ->AD@D2 E>+ @C A.
+-, @A.+BG +B@ JC@ @D A. - @,2 A)
$ %& 9
D # ->AD !>E*@ + +E @>JB-A B A.@
9 <. 0< $-0 OL %@C+ A A , A ! A UC+
J@- @C ,@ B C +@C2 G +- E@ ? , +@D +- - ,,- Y
A. -A -A A+
O 10 8@,, J+ ,-C E -,>+@ >@ - +B@ D*(
@++,@ J@C -A
WL b - *B) 0) 0 8;KLQ(2 ;Q
B@G B @ E) A D +A.> B@D EG +B@ 9 A. ->C2 AD
A-+B A. @, @ C= I> U2 @C ,@ 2 G -JB A+ 2 AD E> --A
;KLN %-0 0 4 , =QM ! C? - A+ A + -A , @C
,@ 2 +B@ C@, - EG -A@ D G ;KL; C& 0
0 8;K=N(;NK O !@, C-EE D @C ,@ ,D2 A-+ E->.B+2 5-C
+B@ B D- - .C- + XKK- 9 . ?) ;< B@
!>DC 2 -C @CG ,@ 2 D--?@D +- ?@A ,D>+ @

/ *0 0 B- + ,@ D@ .A + -A JJ, @D 8 A
;KON AD , +@C(EG !J A B E@C , +- +B@ C-G , +
L AA< !0 %& 0 4 % +QP B@ J D 2 -C -A ++>+ -A ,
J,, C 2 @ + >J A +B@ D @C@A+ +- A - !J A C@ - ?@Y
+ ?@ 2 D>C A. +B@ A .B+2 D@ @D -C E@? C@D !G +B@ !@C ,@
SK) (1 C 0 $!0 SS L;O AD G +B@
@C ,@ G @,D@D >AD@C +B@ DC@ D - J@C -A , -,@A @C ;KKQ
" ," !0 ? 0 4 4 L=P O B@ C-G , + EC @C ,@ 2 +B@G
@C@ ,,@D2 @C@ D ? @D C-? - @
C !&!0 @C ,@ J C+ ,@ !@@ Q
SMMK 5 (0 $! $ 0 L=L O-+B +B@ @ ? G -AY
+C E>+@ +- +B@ EEC@ + A. - A.> .@2 B@A D @G C@
- ? J->AD@D @C ,@
E 1 0 < $-0 @C ,@ ,@++@C !@@ Q E
% < 0 < 2 0 1 0 J 2 B@ @++@C @C
D D@D A+- A@ I> , >?E@C D $ D , AD !@C ,@
c_< . < $-0 1 0 J SS 2 B@ JC A J ,> @ - +B@
,@++@C +B +B@ -+B@C !@C ,@ +- -C? >?E@C2 @AY
D@C2 3--D 2 @A @ AD /@C + @
!@C ,@ ,G 8 > ! ,,(2 $ 0 , -M Q @CC ,,G2
8Q 6 G@(2 Q K @C ,G ^ 3 . i ". O a ,>
@C ,@ ? AA@C
A +B@ J C+ - , @ +B @C ,@ @ C -C
>E? -A C A. A.,G
Q/ S <&!" $" J /) PE2 !@C> ,,G@
-C B JJ A. +B@ .A@ 2 -C +B@ +B A.@ 2 B B@ EG +B@
.A@ C@ .A @D ;P<M 2 0 2 2 0 ?@ A@+ - +
B ? B@ C@I>@ + 0>+ B- A-+ @C> ,@,G D J- @D +- +
E@AD O>+ , U@ -AI>@C@C +- ? U@ B ? E- @ ;MMN
C&2 =)10 QO "@ B- C .-C-> ,G @S@ >+@ B J- @C
,, E@ B +@D2 AD @C ,@,G @ C@D ;MMQ = . C 0 3
<P< 7 B- ? -C@ +B@A +B-> #A @ A D2 AD C A. D2 AD
@C ,,G D-C D "@ A >, 3 -A C B 6;;MQQ =
- (C 0 5 50 ;MQ B A-+ +C>@ #E@D @A @2 +B +
D-A@ @C ,@,G AD EG -A +C A+ ;QOQ Y 7 VC ! *
A) $!! 8;K;M(K= B@ D- ,@ E@ + ? - + @C ,@,G -E@G
4K=< PN . e Q= ;<< B@ @A +@
*-G >,,G AD @C ,@,G C@. +@C@D B D@ C@@ ;KQK 1B 7
$ 0 $ 0& S O -+ I> CC@, A. +B B *> + @2 A-C
@C ,@,G DC@ D A. B J- @C
E +B @C ,@ DB@C@A @ +- C>,@ -C -A -C? +G
+- A @S@? J, C -C -C . A ,
SMMK) %0 $-0 C& " 8@D 9@C(: ;LN2
G A-+ +B +B +B@ ,@ + D@ .A - , ? + A. +B@ + .@ +-
@C ,@,G -A +@ &G ->C B->C c_ca)) C ,0 - O<
5 K) A A., B -?J- @C B->,D A-+ -,,- +B@ + , A
C@ + + @ +-- @C ,@,G2 E>+ ? U@> @ - ? AG .@A+,@ D@
+ -A C- ?+ +B $>& 1 ($ + , O<< B
3@+B-D - $@ -A A. B E@@A D-J+@D +-- @C ,@,G ;KPO
7 !0 $ =L #C B- A G-I @C+ A +B +
+B@ @ ?@A ?@ A+ B + G-> ?@ A2 7 B@A G->+B> @C ,@,G
-JG B@ C, A.> .@ ;) N < < ! ,0 ;N< 3- +
A., B C+@C @C ,@,G -,,- OC@A+ A-
/ A -C A + +@ - @C +>D@ -C , @CG
, @ - $ & 1 0
;PM; ($! > 0 %0 8;PMO(;O ! - ? AG
E@ A. @C> ,@,G E-CA AD EC->.B+ J2 D-) -> + D->+ A.
E- +B@? @,>@ +- E@ +B@ B ,DC@A2 -D 4PON 8
C . $ 0 & 0 ;Q;E2 @C>G,@,G E-CA@
;P<O = 0 L<O " - , U@ D@ B@ +--D + @D
+-+B@ +C@@2 !@C> ,,G ? +@CD +B ,@ +B@?@ C A@ OMSQ
= 6 0 A ON B@ @C? A C@ @CG B>C, B +-
+B@ C @ AD U@@J +B@? @C ,G +B- ?@ SMK < . 3
$) -) 8;QOM(O; 7 B- A @ ,@ %B ,DC@A2 AD CCG
+B@? G +- +B@ &, A+ + -A - @C 2 +- E@ @C ,@ ,G
@ ? J,-G D +B@C@ ;KOP $! -0 SS 2 AD@@D G->2
. ,, A+ ! C 9@AA@+B - !-! -+, AD +B> @C ,@,G D .> @D
!@ ,@>@ !8e : ,A@ ($ 0 ^ 3 .
CC i O !! a !@C ,+G
cM< $ "> $!!0 e = - E@ +B> G@,D A.2 A-+ +
?@@UA@ +B@ @C ,@A@ - >AD@C + AD A. A>+> (
$ 0) - ! " 50 O=L ">? , +G ,D@ JE@ A- ?A -C
+B@ @C ,@A@ - B -AD + -A E@*A. ->C @ -C @C A+
>! > # A C@ @A+ / @+
!@C , ?8 > , X ? (^ $0 N "
% 5 ! - 0!
!G +@? + @C ,+G
5Z 5 $ C $ 0 ;=N ^ B + *->CA , (+C> U, A.2
AD +C ? ? A.2 AD B + A.2 AD D@E A. @C ? +- ?-E
-JA -A ;KL; - 0 0 4 <L O>+ @ C@ A-+
+B + @C , 2 AD G -JB A G2 ->.B +- E@ -A D@C@D
@ @A+ , C@ -??@AD + -A A B +-C A &
A 0 4 4 4 OQQ @A+G G@ C C@ D@A @ A $>!
B D @A C> +@D %-E@AX, +B - + A. ->E? @A@
8 @C , ? (2+B + + ?@ , ? - + - ? ,
O B@D- +C A@ B B D- +@ J-, + , , @CG
B- + ,@ D@ .A + -A -C A+ E@ C3 -J A -A % R
3 . 10 9
$ J$. ,0 8;K=N(O=O) B->.B ,, A. B@ ?Y
@, &B ,- -JB@C2 3C G,-C + ,, J?A >,,G +C>..@ A +B@
I>@+-A) - +>C , ? AD !>J@CA +>C ,+ ?2 E@C , ?
AD !@C , ? JC- @ A-+B A. -C, E@C , ?
C@ >+@ @C , ? JC- @ A-+B A. ; ,=M " @ B-
B@ - ,G +@ ?'E @D -A+B@@S +@A @ - , @
SKK- & $ & $! 86 ! (;Q) - 8%@A+(2 B@ C@?Y
A A+ - D-? A + -A AD - @C , ?^?+B@ ->+B@CA 6 A +@D
!+ +@ (,, --A+ U@ +B@? @, @ B@A @
!@C ?+G 8 ,+(^ ! 9 0 i CC %
5 ! 8 K+B A " +X / C? (a
*c !@C ,@ -AD + -A +B@ I> , +G -C + +> -
E@ A. , +B@ -AD + -A - E@ A. A E-AD .@
;P<; 3 $,) 0 ,&!$ OLK ->C A @ +->C
++ A@D2 +B@ B.@ + J + B AD J@C @ + -A - , E@C+G2 - @
- @C , +G %M(< # $!) * 0 ;
e L S ;MQ !> B @C> , + @ +B@ ,@ > @C@D AD@C+B@
C@@U \ + U OMSP & 8 =Q B@
&C D@- +B .@ .C- A@ +- +B +B@ .B+2 +B +2 B- E,@
EG +B@ ->+ ?" B@ 2 + D ? @ E@+ @@A@ -E , +G AD
!@C> , +G2 +- UA@ -CD C- ? V + S =! = .
&!$ 0 ;P " - B->,D B@@ !@C A A UA- B +B@
?@ A A. - .@A+,@ 7 B- ->,D B @ D@ D +- . @ >
?-C@ EC@ G E@++@C D@ C J+ -A - B ! - A !@C ,+G
I> \, Qb) A S) = . C0 0 3. ;M< I> B B + +B->

C? D2 +B@ 3 A +C@, @ - "@ A2 !@C "+@ +B C@@D-?
+- -A+@AD
6* 0 ;PK; : . $ & 0 0 & 0 OPP !B ,, +B@
,, E@ +B@C -C@ A-+ U@D A D-GA. U@D,G2 EG > @ +
A-+ C@@2 E>+ @A -C @D +- G @,D +- A@ @ CG !@C ,+@
/ !@C ,@D J- + -A -C -AD> + 1 0
,6E@C ,+G2 ?@ AA@ 1 0
$ SM - & $) 8CM M(QQ ,, E@C ,,+G2 -C
!@C ,+G2 +-- .C@ + -A+@? J+ - .,-C@2 JC- @@D A. C-?
+B@ , U@ D@ C@ +- J C@ @SJ@A @
E 3@ A AE? @A@ 2 D@.C D A. ,G -E @I> ->
D@?@ A->C2 C A. A. 8 B@ JC@ ,A. @A @ (
4!QL 3 &- 3*!0 ?.(8;KK=(;P "@+->,D?@ 2
+B + + ? ' ,+@C AD !@C , + 8 -C - + J,@ D B ? B-
+- +@C? +(+B + E@ + B D B ?) > ;LP
G A. 2 !@C ,UG2 AD C@ B@CG2 ? U@ >J , - +B -?@
3 -A +C-> .> , + ;Q<Q ! $ 10 8;Q<<(LQ=
B@ D- ? @ + B D A C - @C ,G AD -A +C A+ Se=S
.1 0 $ =MP B@ @C@? -A , - +B@
U A. 2 B- @ @C2 B D A-+ +B@ @C ,G A @ A+C-D> @D EG
+B@ 3> >,? A SK) - B) 0 0 8 KPK(;KP
B@ @C ,+G +B B B B@ DDC@ @D +B@ CD A ,-,-A.
B@ A J- @C $ >& < & 0 e L=;
B@ > @ - > B G +@ ? D@J@AD@D B-,,G -A +B@ E)
+@ @C ,+G - & C, ?@A+ OC+0 < 8 $!" 0 0
0 PN !@C ,+G+- $-?@ AD C?@D C@ + A @ @C@ ,U@
?J- E,@
* &% 0 OQK; 81 ;OQ !@C ,+G +B
>JJ,@ UA@@ 7 B- @+C D@ + E +- ? ,@2 +- C-> B2 +- J,@ @
U - AD@J@AD@A @ A -J A -A -C + -A
>AD>@ >E*@ + -A -C D@ @C@A @ & -?@ J@C -A -C
A ,>@A @ T
OKQ=<& 0 &) <= 5-C B + E@ D@ +B >AB JJG
@C , +G +- > +-?@2 A J- E,G C@ -A ,@ ?@A +B + A
%BC + A +G2 +- JC + @ D@,G D + A+) C-? + OK=<
= B. 0 L<K A ->C , AD +B@C@ ,@
- +B ,+G +B A -A+B@%-A+ A@A+ 1@+@ @A B@C@ B-? .@
J D +- +B@ ,+@C CG >JC@? G- ->C A@ .BE->C
D # ? + + -A2 +C A , + -A2 @+ B@ I> ,+G
- E@ A. @C ,@ -C >AD>,G ,- @ +- +B@ -C .A ,
;QKO B , !$ > 2 !@C ,+G - ? + + -A
i !0 C ,X@) 1 0 $ 3V ^ 3 . $0
i [a $ 0 - ? U@ @C ,@
OMS< Q# 8 C! $ 0 0 @+ %Q2 9A- ? > + DG@2
B + ,+B@, AD ? G ?->?% -C ?@2 B +2 @C> , XD2 C+
? D@ +) @ $>&$ 9 B ($!(JJ 2 7 U 2
OQKK SJO -CD !B + @ E>CG2 JC@+@@AD@D) +@ @CG ? -+ @
C@, CD A. @,,+@AD@D +- @C ,X@ C+>@
!@C A. 8 e A(2 10 ^) N" 7Q!V4
:$ B@ + -A +B@ @CE) C -> @A @
A + A @ - +B ? - ?E +B D 2
3)*0
,4ONP, G KN<Q B@ @C>> A.@ @ D-A B\+ B+ +-
B@ ?@+@ %-? 1 L K;S= " + @ , -?A) \ B@C@
@C@>>A.@ $;LSN A 7 C .B+ " , C0 55 0 M< :B@ >2
B->A@ U@ D ?@ A-A +B@C+B -A+@C@ @ ,- @ A+ @U@
!@C GA. O=ML A C$!0 ,& 0 8;KQ=(4 OK 0 AD (V+
L@ ? U A. @C ? A +-J A. +- ?@ A B@ @C A. +B ?@
8EC@ @ (OPOM C! 0 C %0 8 7 D@ 7 ;PL;(MP + G-A 2
A ,GA G-A 2 .@ +>C@ 2 +>?GA.@ 2 @ AGA.@2 @C>GA.@ +
?@@+ AD A -AD +B@C J, @ AD >B@ -+B@C OL=O L
L= (0 (,0 OQ ON B@ B+C@ @ B ,B >@ -C
+B@ @C> A. -@>@CG A+- A E@C @ A ?2 GS B,
"A.@ @G.B+ J@A @ OMPM %0 $ &-0 PO -C C@
^+B@Ga +-E@ ,@D C- A. -C -JJ- A. - B ,, E>+
C +B@C +B@G C@ @C A. AD -E@G A. - + OQPQ
<$ &% &) !8@D Q(2 3@6 -D- !@C A. +3 SKSM
: 0 C$- 8@D P(;OQ "@C@^+ +C@ + >C A+ a E-+B
+B@ >JJ,G AD +B@ D@ A. >J C@ - +B@? - +@,@. A+D@ C JY
+-A OKPQ " 9 $ 0 &-0 ?,& 0 O=- B@ !@C A.
+ / AA@C - ? ?@A @ EG + U A. A +B@ A +B@ +
B B D AA@C AA->A @D) ;KML = " ! $ 0
S 2 7 B ,@ " @ +@C JD ?@ ,@ + +" B-J -C+"E@ C+ EC>A+
-+ @C A.
) B@ J C+ -C E C +@C T @C @D "EG 8 D .> @(
SMSX " - 10[E05"0S8 B >@ ,C@ DG + / ->E,@+2
" +2 " - @2 B + A @C +- +B@ +B@? 7 ->,D G-> A
+B@ C @C> A. 2 -C@ -&> > &C@ @A+G-> C @,@
E , &', (B@,J A. 8- --D2 @+ (, - ,0
?> B T @C @ -C + +- -A@
) $- ! & ;N 1-> ->D A ,--U G->
+ A@+ @ OK;K &1 &" SS 2 B @ E)+ >C
? +CG +@D +B A + @C@ @+ +- G E +B G-6C @C A.
-+ OK=L # . Q(<$1 !) - > $!! ;;L 0 +B
E@ + A" E-D@ G@ + +B@ C >,, C OKM= "
9) !" SS S2 -C ? ?@D +@,G DC@ A
JJ,@ J E@ -C@ B@C2 AD E@ A +- >+ >A, ? +@D @C A.
C- ? + OKQO 7 . L) 6& " < 11 SS ;P< A
B@ @ C D +C- D +B@G ,, @@A .@++B@ @C C A -B ?
& - $!!0 >JJ,G - +A C@) -C ?@,+ A.
A>> 0 & -)10 LOM2 SKK- / 3 $!E
0 =ON
/ B@ + -A - AD A. T @C @ " C->AD C-J@2
@+ , -+B@ ? +@C , -> @D
$ OMOP 8 @@ B)) 7 10 = SMKK . - &) " ? S
8$NSE (L- OQM< - /X 8;QKN(K2 2 ;KLL
= C0 - *! 4 2 B@ J+ A-+B@ ? A+-J C@J-C+
+B@ EC@ E U + G ?> B B @D A +B@ @C A. OK) " +
8 $- $ $,0 0Q B@ J C @,, A. J>+ -A +B
+B@ , G2 AD +B@ @C A. A + +B@ , G 1 >
$ 0A ,0H(=NL B@ -C@^- ? >C E C A@ E,@a+C @, +BC->.B
A-+B@C@ @+ - ? B @ B B C + C J + +B +B U
) ? A. - + CC@D *>+@
&-1($, (3 - $ (3 $! (@+ 2
8 A @A @ O(31&$ (3 - $!! 4 Z8($ \%H
OQ<= $-$) + ;MN T 1&$ +
+ J@C A. +B A J @ @ - E- CD2 +B ? ,, -C@ .->.@D +
+B@ @AD AD D@ + > @D -C @C A. ;,C-J@ OK=N
$ " $ SSS 2 E ,,@D >J ?-G G CA 2 +--U
? G @C A. E- CD A ?G B AD KKS) ,& (%) E
) ; =c!@C A. B + B@ + <N= < * 0 & $,
% OL C@@A J @C @D +B D-#C ->,D JC-E,G
B @ -?@ B + @,@D +B@ @C A. B + B2 +B@ DC@ @C2 AD
+B@ J .@ +- +B@ E>++@C @ 2 @,, C 2 AD J A+CG OKOL &

(. 'C $,(?)! (=NK B@' 5-C A. J>?J' -A +'
- ' ' -CU A. E CC@,Z ' > + -A J J@' AD' T @C A. ? AZ -C'
C A. J J@' ;QPN . . ' $ (5*& & (' $!! '
!@C A.' 3 ,,@+ ' K<Q 5Z ' B. . ' $, $!& ' '
LQ;' 3 .A @A+' ,JJ@C' B J Z B-' @@?@D'+-'+>CA'>J'+B@ C'
J,@AD D'A- @ ' +'+B@')> +Z D>?JGZ A+ I> +@D'-,D' @C A.'
? ,,@+'+B +'D C@D'+-' ? A.,@' +B' -' >.> +' ' C- D' XK)'
$ ' : ' < ' (&(O=K' -' J, @' +B@' O>+,@C' & A+CG' A'
A+@C -??>A + -A' +B' +B@' !@C A. C--?' ;K<P' C $!!'
$!!'<$O(=' 5@E 'K ;' ' , +' CC @ ' +B@' *- A+ ' >J' +-' +B@'
@C A. C--?' 8 C-?' +B@' U + B@AaZ &' !"' $ (
=M= B@' ? ,,' G, AD@CZ' B B' -A+ A '+B@') @C A.' , @
3 8 > I(Z '^ ' 3 ' ZN'" 7 A V
' B +' @C @ Z -C' D-@ ' @C @'+-Z A-+B@C' +B +'
+ ' ' ' @C A+' # +@A' BGJB@A@D' +-' +B@' I> , @D'
E' ' A' " ' 3 7" !' "8 !
;LNL'8 @@' 3 7" V' ;LK '9 . 6' 0 ' ;=' !@C>GA.'
J C + Z @A+' A+-' ?GAG +@A@' -C' B@?' +B +' ^@+ a' X=PN'
+\@@' 3 7"8 V' ;P<O' '' &%' .$ - 050 B'
-' U@@J@' B@C' C-?' +B@' & A+@C' !$(7 BG' ?-C@' C-?' '
& A+@C' +B@A' C-?' ' @C> A.' C@ +>C@', U@'G->C' @, @ ' ;P<<'
' & - (") !0 Z ' ;;<' B@A' ,, ' ' , G'+B@' @C> A.'
%C@ +>C@ ' / ..@C' -A'G->C'J +@ ' MC-' A' ('C&' >' &C& (
,(h ' ' % $ - ' $0 HP ' '%,>E(;K)' -' : -BA@' O C E A@Z
B ' @C @ A.' .@A+ ,? AZ - ' @' +B@' D' C@ CZ +BC@++ @' +BC @'
J>AD' *' ' *'D ' ;MKK' B 6 ' A' &510' ?$!!0 8;K<;('
LM=' ' ' @C@' E>+' B@C' !@C A. --A ' 3' A@ @C' U' -C'
.@ ' M<L' ' 1 ' "$ ' > ' ") - E' ? ' '& ' =L'
#C?>, A Z)-?' :'> @A ,' ,, ' ' !@C A. 3 D ' SK K' '
((SS " Z ' + .B+' @C A. ? D@A' @A+@C@D' +B@' C--? '
, ';Z#8' 0' 7 ' $!"(') ' $!' 8;KLK(;P=' -A@' @C@'
A@ C ' -A@' @' B@C' @C A. E-GZ B-' UA@,+' A ' @J+ ' ;KP;'
'5 ' .7 3 ' & - 0' ' ' 0' 'OML)' B@' A+-A' W@C A.'
@A BZ ;KQN' '? (' && > ' " ' @C A. ? D' @A+@CY
A.Z AD' AA->A A.' T 3 C' : J@C' ' -?@Z C Z
E ' B +' + ' ' @C @C' +' 3
SKK '40 ! +0 !@C @C' ' 3 , ' '&C + ,' > D@' -C' !@A A.'
0-G ' +' 3
' # ' ' -,D @CZ@+ ' B +' ' -A' @C @
' \"&' 1 &' >' !$)-' A' ?(('?$!!0 '? &$
8;KMQ(;;K' ,' 3 C 'B '?@A ! +'D- A@' B ,@Z AD'E CU@A'
B@@C@Z ' ' @C> A.@' ->,D,@C ' @' ;<NN $!"' 2 ' S' !@J+'
L O B@' B-,@' - '+B@' B-?@ @C A.' +C--J ' ;<NK' -(
<$0' R 3 C' < ;' !@C A.'1@-?@A' AD' -,>A+@@C' B-' B'
+-'@A+@C' +B@' @CC +-C ,' 5-C @' A-+' ++@ +'E@ -C@' :>A@' LN'
' # ' +B A. ' !>E D CG' 0
' ;) M') ' *&!0 C& ' 8 CE (LN ,,' +B@ @' C@' E>+'
@C> A.' ! @A @ Z B B C@ ,,' D C@ +@D' +-' +B@' B .B@ +'
@AD' - ' +B@' ? +C@ ' 9A- ,@D.@' $/O&' 8' $ >'
5$ - 0' '8 MSM(KQ 5-C' +B ' -C' - ' @D-?@Z +B@' -,D'
AD' DC @' -'3 @, A B-,@' ' ' @C> A.' A +C>?@A+
!@TC >.V? ' , AC)' Y 3 7515] V
'? A' B-' @C @ ' '? ,@' @C A+'-C' ++@AD A+'
8%-??-A' A' M+B' AD' ;Q+B' @A+>C@ (
;LNL' $ ' B ' $!0 "' 'KL' @C>GA.' ? AZ B +'
@C>G*' GA' BZ # @B' +-' -?@' ^+-' B>C B'-A' !>AD) a'
B@A' B@' B *V ,@G @C@' ;PLK' ' ' !$' ' ' QK #'
+B- ' -C+G '@@ ->@C? AGZ AD' J@ ,,G' - '+B@?' G B' @'
,' @C>GA.'?@AZ G B',G>@' A' @C>G @'+-'.@A+G,?@AZ,-CDG Z
?D'-+B@C' -+B@' A-EG, C+@Z ;PK; 7 ' 6 ' 5$ - (& - *!0
'8;KQM(M=' 5-C'A- ' 'D G@' !@C> A. ?@A' .-@'? -C@' - +@,G' A'
JJ C@,(2 '+B@A' +B@ C' ? +@C' @C@' -A'+-'D-@' A+ ?@ 'J +'
SM-W ' $ ') (KQ' ;MQQ= ' 1$ 0
Q' 1->'UA- '+B@ @C A. ? A' ' G ' ,,- 'D'+-'EC@ U'B '
+'>J-A'E '? +@C',@ A. ' SK K' '? 0 $ - (S '
B@'? @C G' - ' "@ @A' -CE D'' D' +B@ -,D' @C A. ? A'
;KQO' '<$ ' P ' "' 0 QK;' B@C@' EC U@' ' @C A.'
? A' 5,G A.' C-?' ->+' -'+B@' E, U' --DZ AD' CG A.Z ' B@G'
B @' E->AD' ?G' ,-CD'+-' +'B ?' A'+B@' ?@C@ ' XKKK' '
" (1 'SSZ' ! @'+B@ @' + -' @C A. ?@AZ+B@C@'
A-+' '?@A ,' +'+B@' %->C+' B-'^@+ a
& - 10 ;9P6) ' ' (8 . ' %0 $ 3$!!
'#CZ !@C A. ? A', U@Z C@ DG'+-' CCG'>J' +B@' B-+'?@ +'
-C G->C' 3 +@C
' ' 'A ?@ -C' $>@' ' '
5%"B5' . . 1 '8@D' L(Z) ('!-, C' B@CEZ +' -+B@C @'
,,@D' "@CE .C @Z -C @C A. ?A' *-G' [QO4' . !'
3 - $' >'B&" (+B@' "@CE' $>@
"@A @' !@C A. ? AA@D I % * '
;MN<' 8.)'V'$ '&%' !)1 '8;M;O(O' '1@' C'8 D'
B@('JC G' -?@' AZ B> ' ' B@' @C> A. ? AD'
!@)C A. #'> ' - ' % ' Y 3 7'
**!0$ ' '@? ,@' @C A+'-C' ++@AD A+'
$';=PN V' 0' '!$' &) 'SS '8;<NM(L;' B@C@' '? A@C'
A- ' ?-A.@' @C>GA.' -?@A' - ' @' +' +@Z+B@' B B@'
-?@AZ -C'+B@' '>CC@'B@C' -,@C' ;MLL' = 7 '<)$ $'
#A@' - ' +B- @' ?E+ ->' !@C A. -?@A' B-'^@+ a
;K=< # ' && - $' ' #A@' - '+B@@,D@C' +@C' -- A' JY
J@ C@DZ -,,- @D' EG'+ -' +->+' @C A.' -?@A'
!@C + CG'8 + (' % KG 3 '
;KKL' ?> $ - ' $!"' C& ' A' # + Z !@C + CG' 7 A+@DZ -C'
,-E@
!@C +@' 8P <+(Z 0 AD $0 ^D' ?@D '
E? J Z ' ' 3) ' @C A+' 8 A' '?$ P'
$ "' +B@' -C? ,' A ?@ - ' +B@' -CD@C(' @@
O) a' 1(' C C' A>A' -'+B@' -CD@C -'
)!@C A+ ' - 'O,@ @D' 3 CG Z ->AD@D A' ;OLL
SSPP-' - $ ' *&, (S! -' A' !&'G' (8;K=L('
==; S' !@C ' AD' !@C G+@ Z AD' -ADCG' -E +@ Z SD-G
" ' 55JM 0 ;L' !@J+Z 0 8;<NQ('L<< ' @CG' +C>@'
J +>C@ - ' 3 @ +C-' & -,-' +B@' !@C +@' ;QMK' 8 .'
& ,$' 8@D' O(;QP' B@C@' C@'+ -' !@C +@ - ,,@ .@' ' - :@ >+Z
+ -' -A @A+' - '/ -?A A Z @'- '!@C +@' ;KPQ 5 ' 7 Z
- ' &&' &%' ' & '&C@ Z +' 'A- + @, @'G@ C' A @'
+B@' >+B-C' E@ ?@' +@C' CG'- '+B@' @A+' -CD@C' - '+B@'
!@C +@' X =')) '\' ' .$ .0 ' E, UZ +B'
B@ B E +' A ,,G' D-J+@D' EG'+B@' !@C +@' ' '
',@ +B@C' . CD,@Z ' J>, CGZ AD' ' -J@
O ' ' # '-C' J@C+ A A.' +-' +B ' -CD@C
;QPM Q' +C' V " ! > ' $ (8;QMN(' KK & -. . E-AX-' - '
> AGZ B-' ' '!@C +@' ? -AU A'+B@' -A @A+' ;KMO
' 8 . . ' 0 % ' S '8;KMN(ONK' B@' -,D' !@C +@'
%-A @A+ ' - +@D' +B' +B@' .C@ + A ?@ - '& -,-' ! CJ '
;KK=')) '\' .)' $ 0 0 8;K<Q(K=N ;' A' A., AD
'

+B@C@' ' ' ,->C B A.' !@C +@' -??>A +G'@ + E, B@D' A'+B@'
5>,E ?'$- DZ -AD-AZ ' , -'+BC@@' ?>A @A+' - ' !@C ' +@'A>A
!# +@C ' %' $ 0 5-C? ' M' @C +->CZ
@C +-CZ < @C +@C ' ^ JJZ ,+@C + -A' - '
3 !' J@CB' EG' - + -A' +B' &'
JC@ @C @C a' ' + E,@A JU AZ
;PLN' A' ' A. ' ' & ' 110 8;KQM(=K< +@?' SSS *'
B G,' @C> +->C ' -C' ?G' ,-CD' E->CD' ;PLN : ' B '
' 0 A' 1 ' 0' $ ' ') ' & '8 E -+ ' %,>E(LOZ
*' @C> +-C'- 'D-CAG+B' @CU' 4KPK M[' ' - '0 '
84!QN(O=M !@C +@CZ JU A
! @ C + , ' 8 : ,(Z $0' 0' ^ D' ?@D '
P "'%(' ') - ' 3 ' 1(' @@' " . V'
$!"'&1! ""'+B- @'@AA-E,@D'EG' @C @' A'+B@'
U A.' 'B-> @B-,D
;KQ=' B ' &' 0 ' 'e' MM ' ;MN A'+B@' , ' -'
% A>+@ +B@'@ C,Z ' A ,>D@D' A'+B@' @C + ,'A-E ,+G'
! @ C +- C' 8!<> +< (' 5-C? ' = P' @C))>C2'
= M' @C +>CZ' ->C@Z = K' @C +- SCZ P' @C G+-CZ'
8 @C @C+-CZ' @C +@>C@(Z P M' @C G+->C@Z M' @C '
G+>C@Z' @C @+>C@Z' @C +@>C@Z' > CZ 8 C G+-C('
,0' B@C +->CZ' @C +->CZ M K' @C S+>C@Z' @>CZ'
Q' @C +@CZ' @C +-C@Z P ' @C +-CZ' ^ '#5 ' '
& '8?-D5') +(', +@' > 0 !& "' .@A+ AZ
' 6 ' 3 ' RZ % '&CZ' !JZ &.' 0' +Z
& D]
' 8? ,@(J@C -A ,' -C D-?@ + ' ++@AD A+' 8 A'
@ C,G > @ B @,GZ -A@ B-' +' +' + E,@(' '? AY
@C A+' - '$, 0
>c<<R $' B . &'0 $, '8$-,, (4;LNN :V + ,U@'
.@' '+' @C @ +@Z 'J@ -??@A' G(9V>+@'?@A' B>,D' E@Z
O>+' @C> +>C ' - 'B@C@' ?@GA@' c<< '] ' &'0 8;K;N(;MP
!+ + A B ' + CD' J U'+-'a@ ?J@C->C@Z , 'B ' ?@+@' B@'
+Z \' 'B ' @A +->C@' ' ;=NN = B) 3 'F$ JOOSS 'OL<
"@'E +B@' A'B '%->C+' ? AG O C->A Z '!@C G+->C@ '+B +'
E@A' %C +@A@' ;=MN : ' B . '?.0) 'MKO A'?$1 '
?. (AD' @'B +'G@'B >@' @C>G+->C' @?@,G' B@'D, B@' -C'+-'
B@C@' ;=MM C$ &'' ('OMQ -'+B@' JC@ +' +B ' ?' +B
+B@' -C' C-?' -AD-AZ 6E' !0 - @C G+-C' +B + G+GD'
>J-A' BG? SS - ' SS' @S @C+-C!Z @ B@' - '+B@?' ' @'
S *'H 0 ;=QL' 5, 0' &!!' ,& (,,,Z' ;PQ & (#>C'
,- @+@' ? , C@' @C +@>C@' 'B-> B >,D@: -BAA@' - '7 CD@'
, (' ;P=<' & - *!0 ,&0 S ' ;SQ "@' B@D' A@' D-?@ +U'
@C> +->C' S! ' B ' %) 10 8;KQK(OK< #A@'D , .@A+' @C>6'
+>C)' U ,>, ' +-' .B+Z ?-C@' -?@ ,@+B' +BG+ E,@' +B A' -+B@C
-?@'@ .B+Z' VPKO 0 0 8$E@? (' $ (SS ' XS' "@'+B +'
+B@' .C@ +@C'- 'G->Z B ,' E@'G->C' @C> +@>C^ >,.' - ']0
OSMSQ ' '' * 0 '8;M;K(Q 7 @' @@' A'@ C+B,G' @C6 +@C Z
+B@ C' ., -CG' ' -'?> B'+B@' .C@ +@CZ EG'B- '?> B'+B@ C' -CD'
AD' ? ' +@C ' C@' A' .C@ +@C' JC @? A@A @' OQOP'? $! "' '
C$ - 0 0 ' 'C$ ' (+' ?> + E@' @+' -A' +B@' E,@' EG'
A@ +' B AD@D' !@C +-CZ ,@ + +' B->,D' E@' 7 U@A' ' +' ' @C A.'
>J' ;KO;' 'V' 0 S SZ B@' ,@ +' @C +-C' #' +B@'
->C +@' C ,. 2 0 SSSZ B +' ->C@D'
@C +-C' @A+@C@D' B 'E@D B ?E@CZ c K '
' Z B@' -,D' @C +-C',@ +'B ?' ,-A@' +B' +B@' D@ DZ
E ' '0 ' @C A+Z , E' $' %0 AD).
4=PN KN+C' ' $' , 0 &C-, 'L ' +B +' ?' @C +->C@' - '
+B@' UGA. Z B >@'J>+ A' @S@ > ->A' B ' -? >AD@?@A+Z AD'
+C G, D' -C+' .@+@' +B@' E#-U -' .--D'+B@ @ '+-'B ?' $';PNN'
L=' & - "' &*) ' . 0 C!$ ' ' ;OK' AD' !-' +B ' +C@'
@' ' @C @+>C@' AD' A+-' "' UGA. ' J, GA' >AD@+>C@@'
A+-' +B@' ? A -A' - ' C. A' J>C@' O/&J ' +C'
&>') 0 LP O +>C@ +B' E,->D@' -C' B-,@C@Z
AD' JBCG @ ' @C> +->C@' +-' !> ->C' +B@' B>C+@D' J, @'
$/%J" >' - L ' 0 M' 0 8;P<M(Q 0 B@' - @-' 'O B-J' -C'
@C +->C@ ,@ + ,Z A'+B@' -,D' '+-' @C C @'
;PQN' &- ! ' ' 0 1 !!0 ' 8;PQ=(PKM B+-'
JB@, '-C' , U@' - ' A' B A.? AZ ' ->A@ A @>+' @C> +->C
-C > B@' '+C G+->CZ @A+' AD' B A.@D' J' BG?' @, @' ;PKN
,&' ' ' ' '?!$ 'C!$"' ' $ ' ;N<' @@D@' AD'
, ++@A@' C@'+ -' EC-+B@C Z AD' +B@' @,D@ +' @C +-C' +A' +B@'
%->C+' $/O&' ' , !(C&!0' 'e' = B ' -CU? A'^8*-DaZ
B- @' @C> +-C'A +>C@' ?E@ A.' A' +C>+B' E>+' -A,G' -A@' ;@'
'), 0 OKP)' SMSM ' - 0 S-'EZ !>C@,G'
+B@' J C+@' - '%BC +',@) > ' A-+' A'?@@ ' ' ?'G@+' '. ??@'
- '+B@' U A.D-?@' - 'D CUA@ @Z ' @C> +->C' - '+B@' JC A @'- '
D CUA@ ' ;MO; ' ' > ' 0 ? '8;MOM(;PM
O-C@' / A' '?C@>@A.@Z AD' B-CC D' !@C> +-C@' ^-C.'%$ -) Q
!)](;M=; = ' 'g 0 <& (.' ' ;L' -'+B@' J@C -C? A @'
- ^- @a' +B@' @ +' ' @C +-C' \'/@ -A '
;MP=' " ' Z 7 ' $ 0 '8SM ,P(P AD' +B->.B' B@'
>A>A @C ,' ! B-, CZG@+D'D B@' ?' U@' -+B@C @A @ E>+'
DC>D.@' AD' @C +@>C'+-'D A +G' ;KMM : 3 $! 6 C
;OM' B@'.C AD@ + ' C@'+B> 'E>+' @C +-C' - . C AD@C+B A'
+B@? @, @' ;KQ=' 1B 7 ' $ 0 $ 0 & 'S '< " -,Y
A@ ' '+B@'CEG ' JJ C@,'- 'B ' @C ' @C'
'%Z A' ++@AD A+' C@+ U@C' A' B+C B' 1 0
' ! '&%') $-'8!>C+@@';<NL(LK , @'JC- GD@D'
+B' C@ B' +@CZ' EG'+ -'- 'GZE@,' $ A.@C' -C' @C +-C'- 'G '
B>C B
+'D' %' J@C -A A' >E-CD A +@ - @-C@?VC
J,-G?@A+' A' + A+ A' B--,' A' JJC@A+ @Z
* , G@C' JJC@A+ @-C ,@CU' 1 0
;=KM 1 $0 (H' *$! ' ' ')1' , !!0 Z LN B-?@'
C GZ + ,X->C AD' A' 6U> Z . ' -AG' @C> +-C' - 'B 'E@'
>AD A' -A>,U+' A' ' , '^@+ a' OP)' 0 $ 0 0
,& 0 ;PKKZ L=Q O' & +C U' ,@ >CD@' A' - @' 3 Z% C+A G
B@C +->C '+-'+B@' D'7 ,Z B-? ' '"-?@ B@C +->C'+-'
3 C' B-A@'&C@ ->A' D - +'SM-S O' ' 0 ,,0 A' *$! '
!) 1' ' ! 0 ;O< +@?Z+-' 3CZ @-C.@'3 U@Z @C +-C'
- '+B@' .C'??@C B--,Z -C'B 'J A' A' ++@AD A.' -A'+B@'
B--,Z C '+B@'D@ @ ' -'+B@'? +@C +B C- '+' ,,'+B@Z A@ B
? +@C ' @C D?' ++'S ',E' ;KS=' ' $ (S Z B@'
O , @' A' C B'- B ' JJC@A+ @'8 @C +-CZ 'E@'
,,@D' ! S+G'1@ C ' A @(Z :- U' ! C @ @C'
$ 10 ;PKL' 5, 0' &!!' ,& 0 4 4 'PP<' ?@'O-- CZ
@C +->C ,@+U'-'+B@' B C@ D-?@'- '5-C\ C')'
@' A' - ' -C @? - ' ,++,@' -' @C+
- @C Z@'. - '+B@'$-G ,' "-> @B-,DZ -C'?>A J ,
E-D @ ' " '&B'1 !! "' '+J + ' - '+B@' ->C+
- '9A.' ' O@A B

P=L' 'O 'O ('OL' -' @C>G,->C' - 'EG,,@' +B +'
E@C@+B' ' + @' - '+B@' ?@' ->C+@ B ,' ^@+ a' ;P<Q A'
5@> ,,@C +' O>'!'A(!O(8;<NK(=;Q 'J@++ -A' - '+B@'%C@D Y
+-C' \' !@C +@' $@ @, ' SM)' - 8' C' $, 0
5, (0 =K ,,' # @C Z 3 A +@C' AD' !@C +-C' - '+B@'
S B@I>@C' $%>$ #) ' &' &'(') 0 O B@' + -'
% +G 3 C B ,Z C D A.' @ B' - '+B@?' -A' ' -C@ E UZ +B'
S' !@C +-C'+-' ++@AD' +B@?Z +B' ! C ' AD'%-,->C'-'+B@'
%-? J A@ ' $% J = L ' 0 5 ,((C ' 'LML' 5->C'
7B @C)'8 ' !@C +>C@ (EG'+ -' AD'+ -' ,U A.' E@ -C@'
+B' 7 B +@' !+ @' A'+B@C' " AD
Z ' ? , + CG' ++@AD A+Z ' I> C@ -C J .@'
;;PSL' - ' &' 0 8;PLL(;O=' E O' B@G' .C@@D' +-'
J>C>G@' +'+B@GC' JC-JC@' - +@ ' '%'?@A' -' C?G Z G+B'
@C>G+>C@' +-'@>@CG B@' J@C@' A JO = ' 8 7' ! 2
- $)+ '&%' C$ 'SS Z !B@ -,,- @D' B ?' @D' E@ -C@Z
/ .> @D' 'B '+C>@' @C +-CZ -'+B@' @CG' E ++,@ J, @
' ' , - @C' f' 3 ' ' = E'
$/++"A+' B 'C& - 'SSS ' ;M B@' ,> + +' , D @' +B +'
A +>C@' A'D@ GA@Z B- B+' B-'B @'? -AG' @?@,@' B@C> '
+->CZ)' +'^@+ a Z $'; PO<' ' $!! &* 'ON1@+' ' B@' GA@'
-GD@' - 'D D GAZ 3@' +-' C@+ GA@' " @C' @C> +>C@'); PMN
' 'C& - '8! ! (' SZ L< ' A- ' ?'@CD' :' >C@Z O-+'
J,@ ' ?G' , DG' J>C@Z !GA@' E@ B +' B@C> +>C@' A+-' 'D@'
NSKPN' ' $' ' , ! ' '8;KQ=(4=P ,,Z+>CA A.Z '
E@B@,D' +B@' @C +-C' # '4 DG .
' ' 6 @D' A@SJC@ -A' - 'B>? , +G -C J-, +@A@ '
T' 3 ' 'SQ'
';LKM B ' &-*)' 0 =QQ - Z ? +@C' Z >-D' +B '
,-CDZ ' 'G- 'E @U@' Z T' -'? +@CZ C Z I>-D'B@Z T'E>+' @C Y
+->CZ B->.B' 'B @'B D' A -,@ > B' B-A->C ' O&>+" /'
= . ' 'S 'SS ' =PQZ ' ' ?' J->C@' UAG.B+' AD'
@C G+->C' A+-'G- ' AD'+-' ,,@'.--DUAG.B+'@ ' ;PMO #' 8
A' ,, ' ' 0 !@C' 'LL< 1->C' "-A-C'J-C@' CGG'
+-C' ;PKN : ' ' - $' (0 A' $ 0 $, $ '8! ! (
L= 1->C' ?-+' B>?E,@' AD'-E@D @A+' !@C> +@>C@Z,-BA@' " G'
4P<L' 'J ' 0 (' ' ;<M $ H" ' ,]((6!H0"' -E,@'
F>@@A@Z,@+' -C?@C' .C>D.@'J @Z AD' B@A @ -C+BZ ' ?'+BG'
+C>@' !@C> +->C' ,'$%&/' 8 .' 08;MPP(' 'QM 1->C'
+C>,G'D@ -+@D' !@C +-CZ : "
^' E ' A' 5C' -C?' " + '
7 ' &-0 ' ' ;' Z 1->C' ?- +' B>?E,@'
)(?G' -CD' A%O>'S B 7 'O' 'C 0' &*'8@AD(Z
B@C@' ' ' @' -CG->C' ,@Z #,D' / D' AD') 0
^ S + a' ;QNO U' $! ' ' ' ' <' ' , U@' G->C' / >.B+@C'
@CG' @,,' E>+' -C' 3 CCG A.' *# bZ) (
,' #A@ B-' @C @ ' A' C' ' -,D @C' * $' -A@
- , ' -' J@C -A' + - B-?' , AD' @C@ .A@D'
?' 6, +@C A' +B@C@ .A' - ': ?@' Z 'B A.' @C @D'
A' ' ? , + CG -C ' - @ A' C@, AD' '@S '
3 ' A'+B@ J@ ' >@
$/%$ 8) . 3' $ 0 $,$1 0 8;KM<(L' '$> @,@C' .-@+B' G+B'
@ J-A'+-' @@U@' @C>+ @Z G A.'B@'E +B'E@A@' '!@C> +-C'
A'+B@' C Z AD' E@. .@+B' -C B 'C@, @ @' ;PKQ') '
&"0 *&!'O' *E)' '!J A CD' ,,@D' !@E + AZ B B'E D
E@@A@' A'-,D' @C> +-C' A' 5, AD@C '$/O$' ' ' 0 (
' 'P 'E ' !](B>' C@'J--C@' !@C> +- C %-A +C A'D'+-'
+ B' A'D CUA@ Z Z C A@Z AD' DD' $/O' ' & 0
$ "B0 ' ;NQ ?-A.'->C' A., B' @C> +->C 'A'+B@' - '
%->A+C@, ' SMS-' ') ' , '>'? 0 '=O0 B@ '?- +'
@A+@C->'3 C A@C' AD' @C +->C' +' @ ' ;MSO' 3 ' "'
!$' (@+ ';OQ#>C' -C? A'%-A I>@C-CZ . >@' G'+-'B '
@C> +-C)' +B@' AD' AD' J- @ -A'- ' > BZ 'D D'-JJ- @'
B ' C + A> -A' SMSK' $ Z 'C$ ' 'A' &"' 'O' ' "- "'
> .' <-<(;OM' -' >C @G' AD' ? U@' 'C@+>CA' -'+B@' JC-Y
@@D A.' AD'J@C -C? A @' -' -AD +-A'-'+B@' >AD@C+ U@C Z
@C +-C' AD' A + @'J, A+@D' A' C?' .BZ @+ a' ;ML=' 0
,'S-' .$ 0 !@ Z* 'L'= ! +' B@'@ + +@' -'+B@' D@C'
+ U@C Z @C +-C' Z A + @ Z AD' -+B@C' B-,D A.' AD 'A '+B@'
J, A+ + -A Z S) -'S 'E' &' &'0 ON ' , A+' @C Y
+->C' A' >ADCG 'C'E@G-AD' @ ' $ A>' ' . &' 0
8;KQM(" 'S 'LKN)!' C+B>C'%B B@ +@CZ @D' +B +'+B@'
, AD' B->,D' E@' .A@DZZ J C+,G'+-' @C +-C' - '+B@' C- AZ
'+B@G' @C@' ,,@D
5%& ' " , ' @C+ A' -,,@.@ Z -A@
- ' ' - ' >AD@C.C D> +@ ?@?E@C' 8A-' ,-A.@C
@S + A.' >AD@C +B + + ,@' @@ I>-+' ;KPO(B-' C@Y
@ @D' +B@' C ,-D. A.' AD' ?- ' - +B@'C E- CD' C@@Z
AD' @C@'@S >)',@ +>C@ @@
AAA ,,G'+B@' @C +-C ' +@D' ' @C A+'+-'+B@' @,,- Z
AD' ?+B->.E'+B@'C@D'!>C@ C@?@A+ ' ,@D' @C ' C-?'+B@?'
.C D> ,G'+@, ,' A+-'D > @Z+B@GC' -A+ A @'+-'E@D' C@. CD@D' '
- ,G'+B@' A @C -C' - '+A@' - ??-A@C' B@' , +' ?@?@A+ -A'
A'+B@'#S -CD' 6 A @C +G'% ,@AD C'- ' @C +-C' ' A'@S +A.'
' '8 +'%BC +'%B>C B(' A' ;KMQ' 'A- ' .A'G@ C'
+B@' ?@' J@C -A' C@' ,,@D' '@SB E + -A@C' A' ?- +' +B@'
-,,@.@ 'J@C ' >AD '-C . A ,,G > @D' -C @C +-C B J ' C@A-'
> @D' -C'@SB E + -A' E> +' O ,, -' -C B-, C B J ' B@'
B-, C' - 'O ,, -' ,' J) C' A' ;PNQ 'T B-, + ' @' @C '
+-C@ '
;M=O ( ) ($ ' 5%& (7' ' 5&10 O 3 G' !@C +-C B +B'
EC->.B+' ?@@' A' +B@' + D A.' $%/% . B '<!& & 0 '
(7@@'>@ +B@' -CD ' &' A' ->C 6A @C +@ Z
B@C@' +B@' J--C -C ?@ A@C -C'+ -' ! B-,, C @S@ >+@' +B@'
- @'- ' +@C +->C@' ++@AD A+'+-' B-' @' - ' .C@ +@C @ ,+B'
AD' I> ,+G' ;M<;' 9) .0 5&'0 'LNP 7 B@+B@C' B@'
'+B C +' - ?-A.' 3 A' AZ' +-' >CZ' -'+B-C' !B-, CZ ' UA- 'A-+'
'< ' !0 $ 0 ' ;K B@' O B-JZ A'+B ' @Z ?> ?+ +' U@'
-?@' C ' G->A.' 3 A' AZ J@CB J ' ' !@C +-C' A' '%-,,@.@'
?>&/ = ' ' ' % '= ' & 0 8;KM;(' LQQ B@ ' / @ A'
D B 'J C@A+ ' ->,D' -A @A+'-'B ' @A+@C A.'+B@ -,,@.@
- ' / >E, A' ' S@C 8 B B' A' #S -CD' AD' % ?EC D.@' C@'
,,@D' @C +-C (B@' ->,D'+ U@' G->C' B@' ' +C@ +@D' +B'
+C' >, C'C@. CDZ $>/ &' # (OK - ' A'? & 2 !!(
'+-' +->C@ +C A C@+ +B@' !>-+ +-A ' OOKQ '#' ' 8R
' "& ' &' ' ;O +' ' +B@' JC + @' A'+B@' ?@ -C' ' @C Y
+-CZ EG' -CD@C' - '+B@'? +@CZ +-' .-C->AD'+-' C@J-C@' +B@'
G->A.' ?@AZ AD' UA- UA.' +'+B)' D--CZ +-'@AI> C@' +B@G'
@C@' +B AZ AD' 'A-' A @C' 'C@+>CA@DZ +-' C@J-C@' +B@'
Z E @A+' ;K=K '? .0&%' '&1 'S Z B@' >A,> UGE-G'
)B-'B @'A-'+ @, '+-'+B@ C' J Z C@' ,,@D' ' H0O &
Z +#S -CD' ;KP ' *0 5%0 E' 0 &- -0 ;LP !@C +-C' +@'
) A D' >AD@C +B +' A ?@Z -A,G' +'%BC + B>C BZ B@C@' +B@G'
+B A+A+G@ C '+-'EC A.' 3 ?@ +' D B' A+-'
+B@' " ,,' E>+' A- '+B@G'D @C' C-?' -+B@C' !+>D@A+' - '+B +'
! - D@+G' A', ++,@Z @S @J+' A' D@?'D>@ ' A' - ?@' -+B@C
MM

)U.@ ' , '-'!C ,+# !' C@'C@JC@ @A+@D'EG'%,@C '-C' 0 \,@V%,@" !b'-' B-?'+B@C@' C@' E->' -C+G'0V+A@' 6A, @C' +GZ ;KPK%:'%' V !- ' $ 'KM%BC + B>C B' '+B@'-A,G'%-,@.@' B B'JC@ @C @'+B@'-D -> 'D + A + -A' - '@C +-C Z -C' '+B@G' ,,'+B@?Z 'C

E2' &)' 8!@@'I>-+(

;KMP' 7 ' '%' &' &%%$' ';LK' +'+B@' -,,@.@'D AA@C' +BC@@',- @C'E-G'8 ,,@D' & +' +'+-'B AD'+B@' J, +@' AD' J->C' ->+'E@@C' +B@C' D AA@C : ' B ,' A' B->C' ,+@CZ +B' +B@' '>JJ@C' @C +-C -A@' - '+B@' B.B@C' E-_)Z B-' !+)C A+@AD '+B@'B ,'@ -A-?G

N' <!$ -$.' (' ' A' + A+'+-' '? +@C -CU? A' E' - ' * ,('+B@'D@ .A + -A -'+B@' @ -AD' -'+B@'?@A' -?J- A.' 'T' B C' ' @@' I>-+' , -' 3

;MM'3 $9 +C' > &%<!$ > FH ! '5>CA @ a' ?&,,$!!$ "'-A@'-A'@ B' D@'-'+B@' &,,$('->+'-'+B@ @'+B@' !@C' +-C'+ U@' -,->C@D'-C' A@C' 3@+ ,'C-?'@J,A.'J-+' ! 0'A&&! A&%' A&>' $ &0' ') &('<!$ 3- $.' 'K< ^' B C' -A +'-a' C +Z '. @CZ-C' -CU? A'+B@' @ -ADZ '@C +-C')D'+B@' '--+? U@C'H+B@', ++@C'>>,,G @ CA' E->+'B,'+B@' .@'J D'+-'+B@' B@Z AD'+B@' @C +-C' C@ @ @' A' A+@C?@D +@' ?->A+' ;KKQ' *0'C$ ' '$ OQL' !B ' ' 'B ' @C +-C]+B@' @C +-C'E@A.'+B@'? A' B-'? D@'+B@' @@+'-'+B@' A@'., @' ;K<Q & ,0 &)' "' 5* 'L' JC Z B@C@' @C@'+@A' B C' +'+B@' -CU'@ B' - >J@D'EG'., ? U@CZ @C +-CZ AD' --+? U@C

!@C +#C ,'8 *+ +- ,(Z$0' $ 0 ^'JC@ 'i' , a' # '-C'J@C+ A A.'+-' '@C +-C'8 A' AG' @A @(;K=L'?!$,)0' $ ('LKM ->C' B@CCG B@@U@D'C@AD' AD' A-+B@C D-'+B@' @C ,+-C ,' - @'-'+B@'+E,@' SKMM ' ' 0' ! "'K' "' '@C +-C ,' @C @' ^ +' #S -CDa'? .B+' -E+ A'B?'EC@ D' ;KQ;' =) ' (, 3' *&' '8+KKM(= B@' I>C@' 'D @C+@D'C-?'B '-E*>C. +-A' . A'+'B 'J@ @'-'@C +-C ,'D@ A @'

!@C +-C B J'8!* +C: J(' ^' 'N' !" &a' ' B@'J- + -AZ + +@Z -C'D>+@'-' ' @CY +-C' +' A' #S -CD' -,,@.@' 1 0 @S ' 0 ON!7 ; ' &)' 1 ';LN '/C':-BA -A EG' B ' A+@C@ +'>>?'+B@'$@A '/C' D A ' ? +@C -'&@?EC-U@' %-,,@.@Z#S -CD2V' -E+ A@D' @C +-C B+J' -CG->A.'3' > G' SK @ B S ! "')O !@C +-C B J' C@'?-C@' A'+B@' JC+'-''$-? A'% +B-,'+B A'-' A' A., B'@+ E, B' ?@A+' ;KMK 3' ,$ -0 0 QL' +' A-+' -' ?> B' @'+B +' B @' E-, B@D' @C +-C B J Z '+?@' AD' ?AA@C' +B +' B @' ?D@'+B@' J- +-A' >A+@A E,@' ;K<Q - ' $ &!, -' 8;K<<( )=P B@'@ ,' G +@?' AD' - +-A'-'+B@'-,D'!#C +-C B J',@ +' -C', @'+B@C' .A-E,@' +?J'-A'+B@' ->,'-'7B+@ @,D

E ' B@' -AD+ -A' -'E@A.' ' @C +-C' -C' @C A+ ?E). %0 $ 0 4 'OP=&- +?@AZ E@ D,@ Z @A.@C Z B?A@G @@J]+B@' B-,@'* ,)'-'J C- B ,' @C +-C B J' ' +'?G'. +@

!@C +C@ !'8 S +C\(' ^!@@' 3# ' AD' L)L! a' '@? ,@' @C A+'-C' ++@AD A+ KMN :Z &Z :) ' $ '&%' '?&2!S ';OP'^!B@a' A-' ++@AD@D' B ?' 'B ' @C +C@ ' AD' -A,G' D-?@ + ' ;KQL 3' , $' $' ';NN -?':-A@'B D' ++@D'>J' '/B ,@+' AD' J>+' -?@' @C +C@ @'E@B AD' +' ;KQ)' : 7. ' - $> 'H0 D'=L< A'-E@D @A+' @C +C@ ' ++@AD A.'B- J + ,' U E@D

i'!@C +,+ @' ' 1 0 , -' Q' @C @+C -@' I D'?@D ' !)3-(-'-' 5D]' f A@S+ =)Q 5, 0 &!!' ,@0 4 ',-'& (#>C@',- @+@' ?, C@' @C' +C @' 3 C.C@+' ! AD@, AD+ ' ;PM;' (C "' &)' ,! ,&0 'H &(Z G->C' @C +C @' AD' J>C@' @D-' ;MLL' ,(' , .$ 0 8;KQN(' ;'0= ;' 3 +C@ ' 3 C. C@+'7 A @ +@C' @C @+C @'+-'B '3 '*@ + @' ' D' ?I+>B+'D CC@ +'?-+B@CZ +'!@C + ! '\ ' 1 0 ^ ' ?@D ' 5' 8/ @ @AE B(Z @CAZ-' ' & 3(@@' 3 V' '@? ,@' @C A+ A' $'0 !)1' \,0 8;K=N('=L' 3 C@' O@+->A@' ?, C' @C +C S'+-'->C' D' ->@C A@', DG' ;MSP A'$ + B@') , '&%' 0'?$! '8+KK-(';LM : A@+'!B-C+>Z @C +C S' +-' 3 C' ,@S AD@C 9A-7 ')QQP bA' 3 /- ') -% 'S, '8;KMQ(MKN^: A@+'7 '+ -Aa' ' @C +C S'^ +'+B@' C?a

!@S +AD@'8!C +!D(' , -'P M' @C G+>D@Z' M' ' -B@C ,+>D@' ^ ' 5 ') (D', +@' ')&(' 3)' , @Z 1' ' @@")) V :' B@' -AD+-A'-'E@A.' ' , @'-C' '@CZ-C'- ' E@A.'+B@'JC-J@C+G' - ' A-+B@C' J@C -A' ' E @A @'-' J@C -A ,' C@@D-?' # +@AZ AD' A- '>> ,,GZ +B' D+--A ,'AJ+-A-' '>E*@ + -A'+-'+B@' A@ @ +G'- ' @S @ @', E->C' , -' '8?-C@'-C',@ 'C.-C->(' + +@'- ' , @CG' -C' @C D-? $&>$' L ' ,)" !!'8!-??@C('MA' #C'+B +' @' B ,' E@',@DD@' A@' ?G+>D@'\'E-AD .@' A'+-' +C A.@' -A+C@G@' $'O JJ)' 4 S, ';== 'B D'C +B@C'+-'E@' A' @C> ?D@'+B@C@' +B A'+-' J G' 'DC ?'+-'+B' G >A+' PK=0'$'+C' & &)' '4NQ7B ,@'B@@' E-D@' A .GJ+Z B@' 'C@D@@?@D' AD' I>+' -'B@C' @C>+>D@'EG' -A@' %B +)> Z B-'J>C B @D'B@C' E@C+@'EG' '.C@ +'>??@'-' ?-A@G' ;MKQ' 3 ..'+CZ '&%' $ 0 'OP' ,'+B@' C@ +' C@' B @D')' '?' CU'-'+B@C' @C +>D@' ;QQM' < ' ,!('0S ' OQN B@'.C@ +@ +' J C+'-'+B@'A+-A' ' .C D> ,,G'C@D> @D' A+-' ' + +@'- @C +>D@' ;KL' ' ! = B' &- ' 1&$' 'P< B@C@' 'JC-E E,+G' - '+B@' -? A'? CCG A.' '--A' ' B@' ->,D'-E+ A'C@? Y -A'- 'B@C' @C +>D@' ;K=P ' B ' $'. ' %0 ' '=PQ' +@A E,@D'+B@?'+-'C@D> @'+B@J@ A+CG' +-' '+,'B CD@C' + +@'- '@C +>D@' ;<SN ' ,'.!0? 0 4 =N ;' A' ">A. CG +B@' E-,+ -A'- ' @C +>D@' A' QK+ QKO' CC'@D' +B' +'C @' C@@D-?'-'+B@' J @' * &'% 0 #>%0'< ' ' $!!0' 'M'!@C +>D@'+B +'E>.' B@C' B A

E '7 +B' C@ @C@A @' +-' A ? , ' !>E*@ + -A'+-' ? AU AD' - ' $ '-C' 1 0 L%') (' ! 0'<& (A'OMK 5-C'B '-+' @ UZ' >JJ,@'%-,,C'? U@'#'E@AD A.'# @C' ' AD'8 +B' ?@' AD' % C@' A>C'D'+B +'@ G' !@C +>D@'+-' E@ C(BG' , ++C A.' 3@+B-D'-A'+B@'1->+B'J>C >@' QQ= < .) ' " +' " +

8;QQM(' 'LQM' B@' ,D' ' '@ @A'?-C@' A A@Z +B A'+B +' EC)'A' ' + +@'- 'D-?@ + ' @C +>D@ %' B@' -AD+-A'-'E@A.'J-,+ ,,G'@A , @D' >E*@ + -A'+-' ' -C@ .A'J- @C'-C'+-'-JJC@ @'C>,@' '7 +B')8-C'J- @ @(' B@'+@'-'E@A.'>AD@C' +B@'G-U@')8 '+GC A+Z ' -AI>@C-C($&>$' L ' ,)" !!8!-??@C('OQM 5-C'B +' '+B@' D@ +GA@'+B +' C- @'B ,'A@>@C'E@'I>G+@'-'+B 'C .B+'B CD@' @C>G+>D@' AD' +BC ,D-'?' A+-'+B@' +G?@'+B +'^@+ a' $&>>' . 3 ' , '8% S+-A('NEZ 'E@'+'+B +'+B@G'E@'?' B ' @C>+>D@'G@+'->.B+'B@'+-'B 'J I '+-'U@J@'+B@?' A' C >A@EG @' AD' "E@C+@';PK= *, % '&-'2 0 8;M=;(' B@' @ C@'-'+B@C@' >AD@C -CC A@'A +-A Z? G'C@ +C A@' +B@?' C-?' > B' ++@?J+' ;PKP' 9 7 '+C' 3' !$">' &"0 'SSSC ';MNEZ B@ @' C@+ B@D' @ A' C@' ,@ +' AD@C' +B@' ? @C E,@' @C>+>D@'-'+B@ @' ? C@ +@D' 3 B-?@+ +' $/O ' Z %' &'0 *) 0 8 CE('QO' !> B' 'D@,>@C'+B@C'%->A+C @'C-?' @C>+>D@'-'+C A.@C' -C'+GC A+' $%%+' ' 'C&2 ')1% PL' @E>B DY A@XX C' CC @D'+B@' :@ '+B@?' @,@' A+-'-' ?@C E,@' @C +>D@'; QSM')) 'C &!' , -'=L' 'O 'D +>CE@D' E@C+G' 'E@++@C'+B A' 'I> @+' @C +>D@Z $ B B' (8 ' &'&!0 - ' ' ' 8;QOK('O;Q' !@ -'+C' 'C@D> @D':>D ' A+-'@C +>D@' ;<)' ' B.' 0 &0 ' 0 'O= #A@' A+@D'+B@', E@C + ' + ,G' AD'+B@' -+B@C'B@C' @C +>D@ D ' $' %(AD' B 0 ' -AD+-A' C@ @?E, A.

, @CG' ' + +@'-'D@.C D A.'-C'E>CD@A -?@' >,V' *@ + -A

4=Q=' L ' ' A' '8;KKL(KN 5-C'+B@'D@E ,,+@' AD' @E,@A@'-' -C .@'+B +' 'EC-U@A' A' -A @A @'EG'JCGD@' A>G@'-C'EG' ->@+G @' 'C)B+' @C>G+>D@' ;PLO = ' &'3' %) 0' ' $!'7U '=O< ;' "@', ?@A+@+B'+B@'? @C E,@' @CY >+>D@'-'+B@' G?J,@' ->,@'+B@'J--C@' @,G' -?@AZE@ > @' ?@A' ,,'A-+' > @C'+B@?'+-' G' ? 0' 1 0 PPM ;' B@' D@ D,G' GAA@' A'+B@'+?@'-'B ' ,,Z AD'-'+B@' @C>+>D@' AD'+BC)D-?'+B +'B@',G@+B' A','$/%+' ' 'C& ' ;K B-'+B 'E@, JJ+'E-DG' B@'C'O@'E->AD'+-' B@C>' +>D@' AD'+BC ,,Z 3 G' +B >,'E C+' 'C@' A+@ C' AD'?GAD'+-' @C'?G', DG' + ,' $';PKM , $ $' '8!-??@C(OMP'EZ !-'DD' B@ +B'+B@'+C E>+@'-'. + Z @@U@'+-'EC A.' B@C'? AD' A+-' @C>+>D@'[.%"# = . 'CO 0 3';QK B ' @C +>D@Z' - @C @'+B >A @Z -C B ?' B-'B +B'C@E@,D' . A +'B @C' -C+B @C' ;MKP L 'C$ $* 0 0 0 0 ?'*'<7B-'B +B' @D'>'C-?' ->C @C +>D@'+-' A' AD'!+ AZ AD' ,,@D' > '#>+ -'+B@'7 -C,D'+-'E@' ' "-,G' J@-J,@Z $';QNN H3. ' $ "'ON 3 G';MQQZ B 'E> A@' E@ A.'J- ' + +' A'@AD' AD'?G @,'D@,)D'C-?'+B +' A+-,@CY E,@' @C +>D@' AD' -CC@)AD@A @Z '^@+ a' 4KLQ 9 8 .) 0' '), (0 ','e'='OQM B@' C E A Z + ?@,G' D-J+@D'+B@' A+@,,@ +> ,' @C +>D@'-'+B@'A + -A' B B'+B@G' -AI>@C@D'EG'+B@C' C? ' XKM' B :.' E 0 ' ' ;KM<('4<O B@'C@, .->' @C +>D@' A+-'gC+ B'+B@' ! "B'@,,' , A.' @C +>D@

+'@',&',0 !, @'-C' @C A+' -,,@+ @,G' 1 0 XM)'= . 'C0 0'S+' ;LO +@C'B 'EC B ?a' '>?EC->' C A' # '"@CD Z AD' 5,- U Z AD' A>?@C->' @C +>D@ ;' B@' -AD+-A'-'E@A.' ' @C A+Z @C @'@J' D-?@ + ' @C @' - ' $ '-C' 1(8@S ' -A+@S+> ,' JJ, +-A' -' 'D(XM)'+C' % ' $ *'8;MQM(;N "@'B D',U@ @' ' @CG'A@ C' ?, C+G' +B'+B@' 5 +B@C' AI> +-C2 +B' B-?'B@' -A+ A>@D' @C +>D@'+,,' B 'D@ +BZ S*J-' .. '8 < &0 ?$ -$' ' K<' B@',-A.@C' %@ , ,@' 6 #A' --+A. +B' J@-J,@' ,' -C+>A@Z'+B@' ?-C@ CU -?@'!@C' +>D@' AD'+B' JJ@ C'+-'B@C' ;Q<' 9 6 ,' -0 8;KN=(' 'PLO 1->' ->,D'B @'E@@A',@D' A+-' '?-C@B@ ,+BG' +> + -AZ AD'? .B+@' JC- >C@D@Z +@C' B-C+' @C +>D@Z -?@' -? -C+ E@ JC@ @C?@A+' $ +> B ' * ,0 ' 0 C& ' 'OL=' +'+B@' .@'-' 'O=Z? CC @DZ A' @C +>D@Z +B' ,++,@',@ >C@Z AD'A-'A@G'#C E--U Z B@' @+ E->+'B@'J, A' - '?JC-@?@A+' ;KSQ' $! 1(' ',('"-!0<!@J+Z ' @C A+. C, ' ->AD' DC- AC !BM'B D'E@@A'? A.' C-?'B@C'J, @'- ' @C +>D@' A @'+B@'JC@ @D A.' B>C D G' $ AA' <.'C & &' SSS ' "@' @A+@A @D' B@C' +-'E@'D Y ? @D' C-?'B@C' @C +>D@' +B'A-' ?-C@'+B A'+B@' .@'B@' B D' +> ,,G'@ CA@D

JJC@A+ @ B J' ' (;Q<;' A' A.-CD' '0 ?> $-' % '8;KM!(' 'LMK' +' +B@' SJ C + -A'-'+B@' !@C +>D@' -'+B@@ JJC@A+ @ ' 4Q<<)!!' 0 ;0 # +' O = :-BA OC- A ' +@,G @A+ @D JJC@A+ @ C-?'+B@C' @C +>D@' $ +/' 9 ' R . 'A' '0 ('LOL' ?'D>C +-A'- 'JJC@A+ B'J' A'+B ' ->A+CG' '@S @ @' $ @'G@ C'->.B+'-'.-A@C' ,' +B@'JC @.@'- '@C +>D@' ;KLP **(' ' ,0 & *&0 *0 ;MMQ D? -A'+-'+B@' -?J AG'6 C A+@' @ ' +,@ -A GA@a' ' I> C@DZ S +Z EG'O C+B'ODZ EG'!@C Y +>D@'LDZ EG' +

' 'J@C -A' '8J@C -D'-(' @C @'8 A'+B@' G(SK K'). % ' $ 0 5* 0 0'N$ ' A+C-D'J'S,S2 B->.B' A+ A.'@ .B+@@A'?-A+B '-C'+B@' -?J,@+-A'-'B ' 'B @C +>D@'+-' I> , G'B ?' -C' ,@>+@A A+' -?? -A' O J%= ' ' ') ' Z /> C A.' ?G' @C +>D@' C +', @>+@A A+

*0 %-? J>, -CG', E->C' ' 'J>A B?@A+' -C C? Y A , ' & * '$! !) / @@' , ' ') '8 >+C,(' @@'I>-+';KK< ;KOK & ' B 7 0 0 $! '8@D'L(';O< B- @' B-'B @' E@ -?@' C@@'EG' @C +>D@')KK< HA ' ' 0 - 'QMP 7B@A' G->' @C@' ,++,@' ?, C' +B' -,-A ' JBC, @-,-.G'G->' +-A @'>AD@C +--D'+B + ,@ 'B +' ,,@D' 'T C@@'EG' @C +>D@'? A' @Z '-A +'B- @' @A+@A @'-' '+C A J-C+ +-A'B D'@SJ C@D'

% '5@>D ,'-C'@ ,@ + ' , '>E*@ + -A' ,' .@Z >E-CD A + -A' 1 0 ;'PNN !) ' ','S')P< B->'E-,D@ + ?@' -C'+BG'!>E.@+' \' -,D@ +'B-,D' ?@' A' @C> +>D@' AD' +B->'B +'E@C-' A-+B A.' B@ ' ;ML;' 9 S ') ' $!' &'0 PP< !' ,E A 'S@?J+@D' C-?'+B@' >C D + -A'- ' A -,A ' $-E@C+' +B@'A@S+' EE-+ AD'D@,>@C@D'B '3-A +@CG' C-?'+B@' @C>+>D@'-'+B@'0 B-J'-' A E,A@

i'E '5@>D ,'B-? .@'-C @C @' 1 0 ;=<K' & ' " ' '? .0 P<='#' ,'?A@C -,,Z J#A+ .@Z JGU .@Z'U G .@' AD' ,'-*?C ,?J- -A\' B C.@'\' @C' > +>D@ Z ,';PNN !%' ' SSS 'O=<5-C'G 'B@'@ J@'.C@+@' B ?@'B ' E@'+-' W A' A'@>G,'B@>C@' 'B@' -?@' A'+-'->C@' , AD' -C+-'D@? AD@' @C>G+>D@'-' ' 4KN< ' $ 0

$', 'OM0>+'+B@C@' C@' -?@' A+ A @'-'J@C -A ,' @C @Z AD') B' C@'B@,D'+-'E@' ,@.. ,'JC- D@D'+B@G'C@, +@'+-' B> E ADCGZ AD' A-+'+-' AG' @C +>D@' -C' ++@AD A @'>J-A' +B@'J@C -A'-'+B@', AD,-CD

! ' A' !' $2'8b ')+' AD'B@A @' A' ,& ' ,*)+'[' >E*@ + -A' -C' >E @C @A G' - 'JC-Y J@C+G' @ +B@C' 8 (' +-' -?@' D@ A +@' J@C -A' -+B@C' +B A' + ' - A@C' 8T J@C -A ,' @C +>D@ (Z -C' 8L(' +-' -?@'D@ A +@'JC-J@C+G'-+B@C' +B A'+B +'-' + '- A@C' -C'+B@'E@A@ +'-'+B@'D-? A A+' JC-J@C+G'8T JC @D ,' @C +>D@'(' A' ,&' ' $ &'+B@'+@C?' '*(- ' A' JC + @' C@ +C +@D' +-' JC @D ,' @C +>D@Z B B' A ,>D@' E-+B'+B@'T@ @?@A+'" D' +B@' 'JC- +' JC@ADC@"' -' A., B' ' +'B 'E@@A' -?@+ ?@' > @D' EG' A., B', G@C' +-' A ,>D@' E-+B'+B@ @' U AD' - 'C .B+

'J@C -A ,' @C +>D@'8-' B B'>>C>+' ' A'@S ?J,@(->,D'E@' -A++>+@D'@+B@C' -@C'?- E,@'-C ??- E,@' 'JC D ,' @C +>D@'8@'.' 'C .B+'- ' G(' ->,D'-A,G'E@' -AY ++>+@D'- @C' A' ??- E,@' A' ->C' A-+B@C' ??- E,@ ;P<0' ' , '%$ 0 '8;K;=('MN< 0 AD' ,GU'@S @J+ AD' AD'C@ @C AD'+B@' @C>+>D@' ,+>'@D@'D-A-A'+-,,@AD#'JC-' J@ +>'@+' ,>?AE>'A-A' @AD#' -A ++>+@' AD' ?J- +' J-A' A@'+@A@?@A+' - ' , AD' A- 'J@C+@A@'+-' ?':-AAA@' A -,->A' D>- +' 1 0"' AD' ,,' +E@C' @C>+>D@'I>B +' >?@>@C' %MbN ( ) '+C' ! '>' $ ' !0 ;LL' "@C@Y >J-A' !@C +>D@'B @'E@@A' ?J- @DZ . A'+'+B@'C@ C A.'- ' "->@'B .B@C' +B@A' -CD A CG' SMK' ' ' 0 $2' ,&0 ' ;M<L(OKO !@C +>D@' C@' D + A.> B@D' A' $@ ,' AD' &@C -A Z +B->.B' A@ +B@C@' -'+B@?' E@' J@C -A ,' $ .B+' G@+'+B@ @' !@C +>D@' B@C@EG' -A@' @A@?@A+' >E @C @A+'+-' A-+B@C' @A@?@A+Z AD'+-'J@C -A'-A,G' B A.' $ .B+'+-Z AD' -C'+B@'> @'-' +B' +' @A@?@A+Z C@' ,,@D'$@?' !@C +>D@ Z 'A-+' E@ A.' >E @C @A+'+-' A-+B@C' @A@?@A+Z > @D' EG'+B@'-CD' ,' ' ,' ' 'A A.'$@ @' -CD' B@' 4 "-!0<!@J+Z &@C -A Z E@'+-' A-+B@C' ?> +'E@'C-?@' @A@?@A+ ,' ,,GZ A' JJ>C+@A A+' $ 0<' E' B'@ + (' D-?'B@' + AD- A' A- A+'C@,@ @'D@ J@C@' .->' +B B A@' $ ' .' J-+'B@C@ ' %' ' 'A+@CG' .-+'@A' "' ' ' $ " $ ' AD' A ' !@C +>D@' 7 +@CZ A 8 -1 A ' ' ' D' C' + A.'B@'@C+A' >C'-A@@' ' $ 'J'C@ ' 'J' ' +' 'C, %I ' AD@A-C' @' . @'$-?@' ' +@ B A-' +'JC@EG'E +' BG' @, B A+@'+-' J@C@'+-' 'E@C@' 9 ' $2' ' -A' +B@' J,A@' A' 'D@ @A+ ,' ,& ' 6 ' . $, $ > A ' 'A' ($)' . ') ') ($D)5.$)) "' AD ACC$, ' ,& 0 c_&&:' ,0'C 'PPK #A@' .C@ +'-E+ ,@'+-' '?JC- @?@A+' A' .C >,+>C@' '+B@' !@C +>D@'-' B C, .@' SKSM ':' ' &--0 $2' ,&0 8;KOM('QPQ' !@C +>D@ Z B@A'-' ' J- + @'A +>C@Z C@ I>C@'J- @ -A'+-' -?J,@+@'+B@?' E>+' A@. +)' @C +>D@' C@'@ @+>' , +B->+' J- @ -A'-C' C@. +C +-A' ;K=)' : ' & -0 ,&'0 8;KPQ(LO;' 3 A ' +@C' B @' C@I>@A+,G' @C +>D@'-'J@ +Z-' @ ,Z AD'D -+Z AD' -'J' >+ J C+> >,C' @ ?+ 'N7' <B '<0 6 0'? !)'C ' $2' ,&0 8@D'M(:<K;' !@C Y +>D@'B @'E@@A' B)@D' '&C @D ' AD' &@C -A ' 'O>+Z JC + ,,GZ +B@' -A,G' @C +>D@' A' ' +-'?@' AD' C@' &C?D Z % ' 7 ' /)8)' $2'C &* "' ' $' ' 'OQ;' @?@A+' C@ @?E,@'C .B+'- ' -?? -A' JJ@AD A+' AD' J

+@C A+Z A' +B +'+B@G' C@' AA@S@D'+-'+B@' A@C B J'-' A@C AD' -'E@A@ +' B@G' C@Z+B@C@ ' b Z -?@+ ?@' @D' +B' > B'C .B+ '%- ??-AZ>AD@C'+B@A ?@'-' @C +>D@' a&RR ' M 0' '<L' ! 0 I>C@'AD' AD @C +>D@' -C'+B@'J>CJ- @'-' > B' +@C' >JJ,G2 6 0 SG -' 7U ';Q<;(P< 0 B '@ C+B,G' B-> @Z +,@'>AD@C' AG' @C +>D@ Z AD'+B@'E@,@ @C 'J G' 'D@ C -' ,'-C'C@A+' -C'B 'I> C+@C

'E'$ 1 0

c<'7' .' 0' $2' ,&T 0 0 &$ ('J>E, C- D' ?G'E@'>@D'EG' ,' +B@'F>@@A ' >E*@ + Z B@C@ ' ' @C Y +>D@'C- D' A' E@',@),G'>@D' #A,G'EG' +B@'D-? A A+' JC-Y JC@+-C' AD'E@ ' ? ,G' %]'9 ' A'$2' - ' *0' : 'KNO ;' !@C +>D@'C .B+'E>+)@A A.' +B@' -CJ-C@ ,' AD' + U@A'EG'+B@' -?J AG

+'!@C +A')A-> Z'$0 1 0 - YH' ^' ' 3' E) '3( ) '8 @@'JC@ ('i' -A a' # ++@'A +>C@' -Z -C' B C +@C X@D'EG' @C +>D@ ;M)' $ 'C (5 7 @@'+B@'3 GD @C A+'A'.@A@C ,"' -' +B@'8*+G'- ' -AD-AZ AD' A'E@B ,@'-'+B@'J-' @C ,' +@CY B--D'-'+B@' ?@' @C +>D A->'C AU@' AD' I> ,+GZ +'!@C +>C@' 1 0 $ 0 , -'9' ,(B@C +AC@Z' ^ L' ?@D Z) $(' ' ' '+-' 3 ' ' @@'" B V

:'!@C @Z @C +>D@ cbRR NR B 'C& - ' 'D! B-'B-,D +B' -A+ A A @' -' B@C>6>C@ ' B@' B-,@'E-DG'-' @C A+'A' ' ?,G' $';MMQ = . 'A'C & ' . 0 8;QLK(' 'J'S,* Z B@'%B-C>' -'!B@JB@CD'JC @J C@'C@ + A @'A'+B C@'3 U+@C''/@ @A @Z ,, A.'+B@'C@ +-'+B@'C@ +>C@' H !@C +>C@Z'-E ' -C?'-' 3

+!@C +>+@' 1 0 , -'=Z M' @C +>+Z' P M' @C G+>+@' ^ '#5') ('3) '#C D' Z' 3')3 - '4)+(' ' 3)' , @a' !@C +>D@Z , @CG' 0 AD)) , LQP' ,0 0 $' ' '=C$)! +' \99' !%C>+>+' -C'+BC,,' D-?@' ,';LKM B ' ! .>' 'Q=O' A'.C@+'-CD B J@Z' ' @,' G @Z B@C' '.C@+' @C +>+@' A' -ADCG' G @' < 8 ' &' ' ' ;KO O-+'&E C -' +B' C-A.'B@?', DD@' A')C +>+@' G@ A'+B@'J@ ' %]<N bR'+C' '8$-,,(' Z'P; 1A.,-AD@' 'C@D +@' *'+G?@'A+-'@C +>D@' ;P)'C' 0 C %07 'D@'7 ('KL'7B A' C. A +@' ' AD@C'+B@' @C>G+>+@'-C' E-AD .@'-'@, G-A'-C'JCGD@' ;PLL'<' B', ' $"'8;)KK('<P' ' X'.C @'+-'D A+'->C'E-D ' +-' >E @ +'+B GA @'A' @C > +>+' %b]M . '5 ' 5$-0 . 2'=NZ ' @CGZ' @C +>+@'- .J+@' ' +Z+-'E@'A'D >A.@C'-'+B@'J@ G +G U'OG E-JJ@

!@C #)'8 :-(Z -?E A A.' -C?'-' 3 !' &3 &$ "'3 &$ $'0

';KKQ = ' A' ' ," ,!0'? 0 4 4 ' :=P ;'!@C - %C- + Z A ,>D A.'+B- @'-'!@C Z 3-A+@A@.C-Z+B@' ->+B@CA'J C+'- "> A. CG' 1 0 ;=K O'!@C - %C- + AZ !,- AA B'!,- U BZ AD'O-B@?'A'J- @ '+B@' - ,' 0 c &M : - &!0 =;O'!, 'OC A B Z !@C - %C- C '6

i ! @C - @ 0 $ 3V ^ 5 , & 2
$ $0] ,@
$ =KL 1 A &) (0 8;QNN(LO #A@ . ,,-A
@C - @ 1 (LP I> C+ GA@2 -A@ . ,,-A @C - @
! @ JC- ? -+-C2 ^ D 5 &3-&) 8;KQL A
++C@) *B !0+( ) , @ i 5 - &) =
A +B@ - , A-+ @ - +B@ JC)@ CD@D A ;KQP +- +B@
A @A+-C2 3 5 C -+2 +B@ JJ C +> ,,@D @C - ? -+@>C
-> ? -+@>C @C

A >S , CG ? -+-C2 @ . -A@> @D -C D C@ + A. +B@
C>DD@C - 7 B +@B@ D +-CJ@D-2 -C +B@ C@ @C A.
.@ C - , C.@ ? C A@ @A. A@
$ O . & * & 8@D O(;K= B@ @C - ? -+-C
+B@ C @A. A@ C-? B B D@C @D +B@ J- @C +- ? - @ +B@
B-C X-A+ , -C D A@ C>DD@C ;<N 2 " $)! ,
& & 8@D L(PN= 8 A +>CE A@ a - ,,@D AD C@ + + A.
.- @CA-C , ? - + A C E,G A@ @ CG2 +B + 2 .- @CA-C
+ A. -A +B@ C@.>, +-C +BC->.B C@, G2 -C + -?@Y
+ ?@ ,,@D) @C - ? -+-C

+ ! @ A , +@2 0 1 0 $ Y ^)
, @ ;O [5 $)!$ 0H ' 0 - E@ @C ,@
$ MX XUG(! ? &0 , "2 ? @?EC @ +B@ C
,- @ (7 B B @@',, C@J G +B @C >, + A.
! @C AD2 -E -C? - 3 1(
! @C @2 -E ! -C? - 3 K 8
! @CG >A+C@2 C A+ - <
! @C) 8 2 -E -C? - 3
! @CG ? -A @2 G8@2 -E -C? -
! @CGA@2 -E ! -C? - I 1(
! @ @@ ! !
! @ ? @ 8 @' ? 2 %& - !" @))?2 X' ?(
5-C? P G A@2) Q @ ? 2 Q @) 2 @
? -2 @ ?G2 Q @ ?#(8< 9 @ ?
^ A @ C,G> @2 -C D $-) - 8 @@ B D!
, - $-) - AD $-$(- $ fb C $$% & (
$ B$$% BB JC-6 - -C @A+ , -C . A2 E>+ +)@ C@, + -A
+- +B@ !@? + -C? 8!GC .E . ' " :@ B
C ?) - - (C E2 - -+ A-+
,@ C ! - ?@ - +B@ @ C, @C -C? C@JC@ @A+ +
$ - &B -C ? -D C $ B $%) 8 b@ C, @C $ B %) & %
D ? (B@ ? -D >CC@A G AD -C? - +B@ -CD
C@ D>@ +- +C A , + -A - +B@ C 3 A 9)B+ C-?
5C = $ - +" AD +B@ +C G,, E JC-A>A + -A +-
- + -A +B C D@,G >,+ +@D
+ AD A J, A+2 $ -) - ' , - 8 # C $
$, +T , -2 +B@ @@D - +B J, A+2 C-? B B
A - , @SJC@ @D
85778 C$!!$ 0 &') (V0 9h !G A@ A + - , ?
.C >@, - @ ;PP; ? 8 1$! ; & * E2 >-AGC >
B +B -DD@ ,GU@ A+- @ ? ;PML 1 0 C ;L= - E) + ,,
@ + @ ? B@A + .C@A@ ;MNN : &-$1 +C &T % ,$
LO= B , ++,@ + @ E> ,+ J-A +B@ C >@C - ,> 2
E->AD@+B .C@ +,G +B +B@ .C A@ -C @@D ,,@D !@ ?
XM-S ((C! ' " SS SS ;=N !@ ? + ?J@D -C
E@ +@A A+- J->D@C2 AD - + U@A A A@2 C@ +C ,A@+B ?
?-D@C + - ? + SMK 5 ("&) ' (< , , MQ !@ ?
8- B B +B@G ? U@ #G,(;QLM 6 $ 03 ' (
, 0 $ - $(B +@ .C A -C -CA .C- A. A AD 2 2
@ ?@ OQ== A 9 * 0 * (V * 0 JJ A ;O; @.@+ E,@
8 ,,@D !@ ? - (@S+C +-CD A CG JC-D> + @ - -G, - @@+
+ +@ OQKP = &) $) > ?& 0 S 8;Q<) O=K 7 B@ +2
0 C,@G2 @+ B@ 2 !@ ?@2 \ 2 C@ D EG 0@C- > +- E@ ,D
A 0 EG,-A OKQQ % K o S, 8;KQ<(P=Q 7 B@ +
@,D ,+@CA +@D +B @,D - E C,@G2 @ ?@ AD C @ ;) Q
^ @@ K C (!

E B@ -CD > @D B C? +- -J@A AD B>+
+B@ D--C - +B@ C-EE@C D@A A +B@ + ,@ - T ,
0 E AD +B@ 5-C+G B @ @ ' B@A @2 b . J Y
-CD2 - ? @+B A. B B + , U@ ? . A -E+ AY
A. D? -A C6
;QKP $1((' 0 PMO B@ C J+ A JC-A->A @D
+B@ @ -CD D + A +,G T !@ ?@ "8 B B -C+ - -CC (2
-J@A " 1 0(B@A " 0 E B@ CD B ? E D +B@ D--C B>+2
EG JC-A->A A. +B@ @ -CD U > !B>+2 !@ ?@ ' 1 (("
0 E J@C @ A. +B@ D--C2 D] T #J@A2 !@ ?@ ;KLO
<& & * ' SS 2 - -CG2 B- @ @C @2 %->,D
B @ -E+ A@D +B@ $ - +- +B- @ J C+?@A+ SKM
(1 (* $' !(8;K<=(<M BG A ?@ B ,, E@
!@ ?@2 + B B +B@ D--C - +B@ .C@ + B ,, ,G -J@A ;K<=
9 $ " 3 &) b C(K< #J@A2 -J@A2 .C@@A B ,, G->
A@@D@D A- ? -C@ C@ -AD +@ @ ?@ +B A +B +
- $ 10($ - $ ' (& !(^ >(@ ?@
- U@ @ ? .C f < 7
SM-S ((C! ' " S , =L= B@ !@ ?@ @@D D-+B
G@@,D A - ,@ OQ=P +C &!) - !!$>) 1(S 2 A +B@
JC- A @ E@G-AD +A@ @ - ?@ - +B@ C @ ? @@D @ +B@C
A +B -C +B@ -,,- A. ? -A+B ;QPK : 2 ! $ 1 0
) (8;QQ;(/ @+ % KE2 $-&$ $(# C+2 @ @C , ? ,,
0-A@ 2 C@ @?E, A. !@ ?G !@@D OK=M PN 9) !$ Y
1.(?& (MOL * $,) - $, "!& 0 !@ ?@ C OKMQ
o ! &0 8;KQO(LP B@ D ?D .C A KQN
$ 0 0 & - ' 0 0 8;KQO(ONQ !@ ?@ - , C@ I>@A,,G> D
-C +B@ D>,+@C + -A - E , ? AD -, + ,@ - , ;KQM &, T
$! > " ' A B@ EC +@@J@D A A @?>, -A
- @ ? - , OKKL % C M) 4 6 LMN ,E>? A- D
A &@ B 9@CA@, AD !@ ?@ % U@

+ ! @ ? > @ 2) A D) 1 T HO0 (> 0 $ - '3) (
C d Hd A0"$ & (, Hd d0*0& X = V $ BT
&@C+ A A. +- 2 -C -E+ A@D C-? @ ?@
SM-K 1 .. * ' O;= !@ ?GA@ @@D@ OMSL
&>$% " ! C ! - $ 8OMS=(=P= B@G @C@ AA-,A+@D +B
!@ ? A@ -G,@
G)
OPQK ($ C L; B@ $
0 10 j
OM) ? : ((&) 3%0 ? $;LL - ? + ? D@ - O>++@C2
AA @2 AD -G,@ - !@ ? A@ SM-K U * ' O4L / AU@

, - + - DC ? ?@ - +B@ C--+@ - %@A+ >CG2 -C " C+ -C+2
- @ -C+2 -C @A+ A2 -C !@ ? A@
! @ ? - D 8 @ ? - D(2 $0 AD 10 ^ D 3
$ & (C $ B $)5 ($ B$$ '&" B
@@ # / (
$ B0 !B J@D , U@ @ ?@ @@D JJ, @D A
' $ 0 +- @C+ A ? ,, E-A@ AD C+ , .@ -C?@D
A +@AD A-> +C> +>C@
;M<M O ((: 8@D P(2 $ - & (! S+@@A2 A@+@@A2
@A+G2 AD - ?@+ ?@ ? -C@ , ++,@ 0 -A@ 2 B B C@
->AD A +B@ : -GA+ - +B@ " AD AD 5@@+ OQSK C !(
$' 0 4 4 4 K<; !@ ? - D@ 0-A@ A +B@ 5 A.@C AD -@
SK-K ( ) ,)!$ & &' =N= @ ? - D E-A@
E@,-A. A. +- +B@ +@AD-A - +B@) ! ' $ ' -) (OK=M
+C2 ! $ ' > $ ' 0 % 0) 0 O=Q / @ + +B@
U A C-? +B@ -,@ - +B@ --+2 ,@ A. +B@ @ ? - D E-A@
-A +B@ JB , A.@ , C+ >, + -A OKP= > ,(0((
$ 0 OL= @ ? - D - ,@
O 10 @ ? - D E-A@ -C C+ , .@
OKP= ,0 , 0(0 $ 0 OPM B@ C + B A A@
E-A@ 2 E@ D@ >JJ,@?@A+ CG @ ? - D SKKM 7
O o - > ' $ 0 1 0 ;;L 7 B@C@ @C
? CU@D C + -A - >C 2 - + -A 8 @ ? - D (? G E@ -?@
D@ @,-J@D A +B@ ->C @ - ?> ,@ -C +@AD-A
! - !@ ? - D , $0 8 A C@ @A+ / @+ (!@
? -&D@ , $(^ ? -D $ - &) >H I ` P0 H $(
OKM< - U 8 &) $1! e MQK =L< B@ >J@C -C
!@ ? - D@ , . ?@A+
! @ ? ? > 8 @' ?) ?(^ 2 D C >) C +- a

' 0 K C 1$, >) 10 8;PKM(LO E2 7 B + G
G-> +- !@ ?>?2 +B + .C@ +,G A @ A +B@ -,D@ +G?@
XM-- 8 3(&) ' " $ - ;; S, OP; 1-> ?> + +@@J@
G->C @@D@ A +B@ - ,@ - !@ ?>?2 -+B@C @ ,,@D >CU @
? ,,@+ ;Q<M = ' 0 < & (2 PP; $ @2 >. C A@ 2
-CA2 @ ?>? SK &) ' ! ,) OLL %- ? ? -A
!@ ?>?2 -C # ,G C A ;KK= C) & - %% "
<L B@ . C, J@C -C? A- ? . @ +2 E>+ ?@C@,G +BC-
@ ?>? -A +B@ .C->AD +- D@, G +B@ AA E ,
E $ 10" $ -) - 3,$. (& !(^* !$ ' (3 (
' K 1$! ;; S S ONP= %-,>?@,, +B2
+B + !@ ?>? @@D@ ?> + E@ - @A +@C >+> ?A@)>
A- + ,, OM<M O ((: 8@D P($ - & (!@ ?>?
!@@D ;) N 5 = $ 0 C &), 0 ?) - $;QM B@
@ ?>? J, A+ , C.@,G >,+ +@D EG +B@ 9 C@A OKML
$ 5 8 1 &.) $ OLO !@ ?>? - , ;K<; $!"
2 SM 3 G) = !@ ?>? U@ ? S@D +B) +-
&@C A AD AD A -J >?
i ! @ ? > 1 (^? -D 2 D C $!* $*&
& d $% " B V !@ ?@2 @ ?@ - ,
SM- $ J V ' 0 M & - ' 2 0 8;MNL(ONL B@ C
A@ @ AD -GA+@ C@ AA- A+@D +B +B@ -G,@ !@ ?>
;KOL : % 8 6&) ' " 8@D O(MMQ B@ J, A - +B@
% G +@C >,+ +@D +B -++-A AD +-E - J, A+) +B
@ ?> AD , ++,@ E C,@G
! @ E A 8 @ E @A(^ D 5 1$' (>,+ ? +@,G
D &@C $1 ' AG ,@.>? A-> J, A+

- +E@ .@A> 1$' $(@ J 0 5 "* $,$ AD &$ 3
! $ $ 8 B B G @,D C-J@ EC@(
KMN & $ ' > < & 2 #C A.@ -,-C@D @ E A ;KM=
K !& $ 0 ' 0 !$ ' hZh0
! @ @2 -E -C? -
! @ >J ,@ 8 @ U) J',(2 $0 - $ (^ D (
,) *!) -C ,) *! 5(C D) *!) 3*! 5(
D) 3 *B "N 3*! 5 "6 .) V T I_ CX#
$ $0
;M<= 7 7 - # ' ,0) & 0 $ ' 0 8+M) (;N) < A
!@ >J,@ &C-J-C+ -A +- M ;QQ= = 3 ' $ - & ' "
$ ' 0 OL $BG+B ?> @ +B@C @ @A2 A +E@ D +G,2 B)
B -A@ ,-A. G,, E,@ @ I> , +- + - B-C+ MA@!2 &C +
@ >J,@2 A +B@ J @-A2 - ?J- @D - -AM ,-A. ,, E -
AD +BC@@ B-C+ -A@ ;K=M C ' ' " " ,!0 !>JJ LM<
!>J@CJ C+ >, CC + - + C @+ @ C@ @ + J,@ -C @ I>E
,+@C2 @ I> +@C+ > 2 @ I>,I> C+> 2 \
! @ @ @@ ! ! ! U
! @ @, 8 @ " (, - 9 ^"(^?@D 6) !
^ 8 , - ! & +(C $. & E(C - $., E (
%% 5 8;M+B (2 + 2 @+ ! (D % J> 1 :
] " $ -0 E J, A+ - +B@ - ?ED,6 @C->!
.@A> ! 0
;PQK & & ' M + E@ DA ?U@A > +B AA @ D@
-C !@ @,G OP<Q K 1$! ;; , K<L # !@W@
+- 2 -C " C+@ --C+ - % AD,@ 1 ( ) = ! E) (
!@ @,@- - % AD @ ;MN; ((C! ' " + SSS " OSL
B@ B@ CE@ !@ @, -C ! ,@C ? ->A+ A@ OMNP A) (
(? ;QO U@ - +B@ @@D@ J@-AG2 - @ @, -C -? 2)
- @ B + - ->A @ OQPL $ - 1 " ,!(!>JJ,2 !
(A +B@ ? +@C ?@D 2 +B@ A ?@ - +B@ !@@D - J, A+2
,,@D , - EG -?@ ! 1$ ' & (OKL= <&& >) " (
8@D =(=L B@ C--+ - @ @C , - +B@ @ @,
! @ @C2 C A+ - ! D@C
! @ ! UGA 1 0 , - > UGA ^ 3 +(>
. B ' (*@ S D ? > S 3. B ' f " V / >+ B
- A - +B@ ,>@ - M ? +@
;=;L , 3 ' 0 92 e O @ ,GB ,J@A \ , 3 -A@ @
JJ@,,@ !@ UGA \ / -GD@UGA 1 00 ,GB ,J@A 2 !@ UGA
-> / -GUGA ;=OL &!! & % $ 0 OPP ; @ ? -A@ @
JJ@,,@ , B ,J@AG 2 !> UGA \ / -D@UGA ;= $. 0
' ??) - 8;KMQ(Q / @ QMK2 ? G+ @ UGA
! @ - C 2 C A+ -
;Q 2 ? $!!$ A " 7 ,J-,@ 0 & C ," P 5@E ;QMP2
B@G ^+B@ E@,, C>A. +B !@ -C
! @ - >C 2 -E -C? -
! @ J@C ,2 -E C A+ - B 1 .
! @ I 2 , 8 @' U (2 + A JC@ S ^ D) 3(, -
D) 3(-A+C + -A - T - 3D) B , A DD Y
+ -A) K 03> - 3)](@SJC@ A.
>J@CJ C+ >, C C + -

7 +B D@ .A + -A - ?@ >C@ -C ? ->A+2 D@Y
A-+ A. -A@ A B , + ?@ +B@ >A + D) 3
1& $ A B->C AD B , D) * --+ AD
B , 8 @@ *B 1) . D -+ @ I> E- , $0(
, + A. A B->C AD B , @) I> - @ ,> X / 0
8 @@ *B . B D ^ @ I> +-A@) 0(A
A+@C , -A + A. - +-A@ AD @? +-A@2
? A-C +B CD , - > @D ,-- @,G A i @ I> D@ ->
*> A $0(-A + A. - +@@A + @ I- D@ ->CG2
@+ - +@@A
OMPN , 0)) 0) 0 L; 3@C, A JC-JB@ @D +-
B ?2 B + +B A ,@ @ +B@A @ I>+D@ >? A@ J@C -D -
+ ?@2 +B@ .,@ B@ D B->,D E@ ,- @A A + ;MPN
3 = ! + .@A@C ,, C ??@C -C +B@ C@ DG ,+ A,>.
- +E@ EC@ , - !@ I> D@ >CG2 -C A>?E@C -
5 +@@A@ D-J+ @ J +,@ -A @CA A. C@ - +B@ #C @AY
+ , -A.>@ +- E@ JC- ? -+@D OMP X *B 6 5 ! 7U
8;KL=(OQ< B@ C +@D -> &B C , JC G@C E@ -C@ >JJ@C2
AD @ I> B-C , .C @ >J-A D B - U AU AD ,@. -
?>++-A ;M<= 7 ' .) $ - & ' " Z8 B@ B CD 3 A-C2
C B@? +-A@2 -C !@)>6-A@2 -A + A. - +BC@@ B ,
-A@ 8-C C +B@C - -A@ AD B , -A@(
!$ - (! / (
< N ! 1 / 0(
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$
B +@C? A-,-.G A+C-D> @D A+- A., B EG B-?Y
-A A B C ' , *! & % - " ;KOP2 AD " -
, % - " ;KL;2 B@C@ ? AG +@C? 2 A-+ ,,> +C +@D B@C@2
C@ +- E@ ->AD
OK=< / 1 .. '& 0 - 0 ONK B@ !@ I>E
@+ +@ - ,@ D2 L&E#2O8%= " WN (i I ;KLO
" 0 - (8@D Q(LKK !@ I>E-C +@ - ??-A 1 (
LO= B@ @ I> EC- ? D@ - C @A ;KOP] C ' ,0
- 0 JJ P;P !@WI> CE-A +@ - ??-A ;KKL
') 8 C & & (- (8@D <(LK 7 B@A C + -C?@D +
B A@ C,G +B@ -?J- + -A - !@ I> CE-A +@2 E>+ EG @SY
J- >C@ +- +B@ C A@>+C ,% CE-A +@ - ??-A @ J@ 2 AD
B +@) D@C ,@ +2 B B 0 CE-A +@ OKQ; ' !(
- 0 &,(4 4 ;N;O !@ I> CE-AG, %B,-C-J, + A +@2
% #S&+ %6 OKOP H C ' ,0 - 0 JJ
P;P !@ I>+ B,-C D@ - C-A OKPQ = .. ! - 0 - 0(
(8;KMO(OSK ,>? A>? -C?) @ I> - ?J->AD
8 ,O8%= " P(L(-CC@ J-AD A. +- + -S D@ O#L ;KL< C ' ' "
" ,!(4 ,,)O O B@ @CC- G A D@ - J-+ >? , - . @
D@@J E,>@2 E>+ +B@ @ I> @CC- G A D@ . @ A-A@ + ,,
OKLO 8@D Q(;; =PO !@ I> BGDC +@D
CE-A +@ - -D OKKQ " 0 - 0 &,0 ;PPK B@
-C?>, - +B@ EC-> ,>?2 L3.N2!NL BO EN>2L!NL
PL " L#2C@JC@ @A+) @ I> ? .A@ ,>? OK=< 1R
.. ' & 0 - 0 ;KM !@ I>A+C +@ - C-A2 5@ # * #
OKL< C ' ' " " ,!0 4 LO O !>,JB +@ - &@C-S D@ - C ?2
-C !@ I> J@C >,JB +@ - C-A 1 ((^&@CA +C +@ - C-Aa
@ I> ,+) OKOP 2 5 C ' ,(- 0
JJ P;P !@ I> >,JB +@ - >C A>? 1 0(!@ I> >
JE> @+ -)@A OK<N - 0 <$00 3 C M X + B
E@@A ->AD +B + @ I> >,JB>C@+ - JB- JB-C> 2 ?@,+ -A,G
+ O=O D@. OKLK - 0 0 ?& ;QM
!@ I>+ C+C- A +@ - -JJ@C OKKK 6 ' !0 - (&,(
LQQ !@ I C +@CJ@A@2 % " *
N A &!& "(@ I> .> DC +@2 I> C+ ,@2
D@A-+ A. A J@ + - J, A@+ B@A ;LPZ C-? -A@
A-+B@C @ I> .+ A+ ,@2 B@A ;NKZ C-? -A@
A-+B@C @ I> I> C@ f D) D)$ $ 0
,, $%$+ ') &!0 ,0 8;MPN(<P G 0 " I
" K L ;LP $;M=Q .. 0 &!0 ,0
P;O OMQ= # . 0 8;M<M(;; ' $$Z " " $
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1 " /]<jD " / _NjD 9 "
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$P (1 3
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$ & ' D) 3) * !$ 5$ 0
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? D@] 2]
+B@A EG D@.C@@ +- C@A->A @ ,, %-A -C? +G ;KKN 5 ' ..
&, & ' $&,) PO B@ A @A+@D EC AD A@ -C? -
,,-+B@ ?2 AD ?@ ->+ T @ I> D@ +2 -C I> +@CA + C A
OMOQ F 1 $ %$)%M] &.%%$ B@G C@ @^ aI> " @C@+ U
A +B 2 +B + +B@G ->A+@A A @ A -A+ A@A G2 AD 5-CA
+ -A2 B B +B- @ @CG B@C@+ U EB-CC@D2 $ OML;] ' 0
S 8;M=N(;;L :@ > +2 -C !@? :@ > +2 JC + A.& J +2
-C d!@ I> :@ > +2 @ > +@D DG ;MPL $ ..
)$ 0 ' (=5 BG D- +B@ AD@J@AD@A+ C>AA@
E@G-AD + +- @ I> @J C + -A OM;O F C& - (
E*& ' & "$ >) O #B2 +- B + B@ .B+ ,, ,- @ -
.C@ +A@ DC @ BG ,@ CA@D J C +2 d @ I> >J@C, + @
; $ 4 5 3 /
5 / QQ / 1
! / D) &,3
) (! @ / & D *
;S 'OGJJ/ 'OG+J '/ >$/ + ;S G++G '/ >$D ?
" ! 9 / 3 3 b <D
" 9> / D D " 9 /
%R &D ? " 93 / 9 3 / & D "
" 9 / " / b] D ? " /
- K Q
$;9(9 ! 006$, " ,) ,! 8;QNP(QOK (/
!2) ? /
,, 'T

!@ I> E +@C, ,2 AD C J,@ JC-J-C+ -A 1 (S!- E- @
+B@ @S + 3>,+ J,@ - +B@ %-A @I>@A+2 +B@C@ C@? A A +B@
A+@ @D@A+ AG F>-+ , J C+ - +B@ %-A @I>@A+2 A B ,2
+B CD2 ->C+B2 -C +@A+B J C+ - +B@ %-A @I>@A+2 8-C
-+B@C @ +B> A ?@D2 !@ I> ,+@C ,2 !@ I?+@C+ ,2
!@ I> I> C+ ,2 !@ I>,D@ ?OF J C+2 \ ($> > ' 8
% % LQP B@ JC-J-C+ -A - -,>?A + U@A
C-? +B + - +B@ B>A+ A .>C@2 B B A ? A @ I>
+ @ +B@ B@ D2 AD ? -? A @ I> A-A , $;9 9
! $)6$ "),! 8;QNP(;KO B@ SJ-A@A+ - +B@ C JC-
J-C+ -A +B@ -??-A F>-+ @A+ S 2 B B B@ +B@
JC-J-C+ JA +- E@ T ! + I> - + , ;MNL C!) $, T
& (SJ, A 7-CD 2 T RD)E&, $ +B + B B -?
JC @+B +B@ B-,@ AD -A@ K J C+ <+- K SK +- ;M $>A%
O !1 > , LN O + JC-J-C+ -A ,, E@
@ .B+ +- A A@2 B B +B@ + A ,, !@ I> - + @ $ 4M<M
! 06 ") 8 QNP(K- B JC-J-C+ -A A ?@D +C J,@
c!@ I> I> C+ ,2 AD)A-+@D +B> L: 4Q;P +C < & ">
&) 8;QOM(J S B@ ?@ @A -A >J-A >E
@ I>?,+@C? %B AD + A D->E,@ @ I> I> C+ A $ + -
O>A% !1 , E LN O !@ @A +- @ .B+2 +B@
JC-J-C+ -A B B +B@ + A ,, !@ I> @J+ ? ,
E A) +@+ *B . AD *B "
$ @ I> I> a)+ 2 I> A+ 2 @S+ - +
8 - + @(2 A-A 2 JJ, @D 8;(+- B C?-A A+@C ,
JC-D> E,@ EG - A). ->C +B 2 @ S+B 2 @+
- . @A +C A. 8 (CBG+B? -?EA + -A -
->C A-+@ . A + @2 @ . A + S) @+
L[0> = ' &) P= +B@G ->,D ? U@ >@
C-+ B@+ +- -A@ @? EC@@ @2 +A@A ?>+ +B@G @+ D- A@
) D$$ $ JA-J-C+ ?)+B> 2 B@C@ A >@ @? EC@ @ -C
+B@ C >@ ? U@ J +B@ + ?@ - ->C@ @? EC@ @ -C +C-U@
SMJ= 7 - / $ $ -&' 4PL -D D@ !@ I> - + @
-A@ 8< +- K(EG D>J,,A. +B@ @C? - +B@ $ + -A +B@C@- 2
A+- O "@? +-A@ ;K<K 9 . A C !0 $ (4 4 K;
7 @ .A +- 5 +B +B@ !@ I> ,+@C &C-J-C+ -A AD
+- -A@ B@ !@ I> - + @ 8-C +B + - < +- K(;QQM
8 0) (Q= B@ D +-A@ B@ B D@? -A +C +@D
+- E@ A !@ I> C+ JC-J-C+ -A2 P +- = 1 0 QP B@
.C@ +@C -C @ I> - + @ +-A@2 F +- K2 AD +B@ ,@ @C -C
@ I> A-A ,+%A@2 ;N +- 1 $0 B@ @? D+-A@ @ I>
I A+ 4KKL C < & , (` ;;; =QP ;
!@ I2> ,+@C 8 @ U @ ,+ (2 $(4 10+(^ 2
D) 3 8 @@ JC@ (i $! @ -AD 5-C +B@ -C? Y
+ -A - 2 # 2 I% $ % $ (# 9]L $I%
$ E1!!
# JC-J-C+ -A B + +- # A
-E*@ + &C-J-C+ -A +@ & A-+B@C -E*@ + +-
+B + > B ?>,+ J,@ &%(
$/>+ $ (C (** E2 %G, AD@C2 B- @ B@,+B2 AD
/ ?@+@C - B E @2 @I> ,+- +B@ / ?@+@C - +B@
!JB @C@2 !@ I> ,+@+ +- +B@ ?@ !JB?C@ A/O - f
-D! A C +B?@ , JC-J-C+ -A ,,@D !@ I> ,+@C -C
!@ I> J,@S2 B B !- ?> B2 >D B ,@ - ?> B .A@
;M=;" 4 7 <& 11 OS< B ->,D EG
@)>, +@C JC-J-C+ -A @S @@D ,, +B-C@ + XMM- 8
),! 4 ! B-,2 - @,@ +C A.,@2 B- @ A.,@ +B@G
E) C@ ?>,+ J,@ @ I> ,+@C &C-J-C+ -A AD
C !($! (4 4 KS 7 @ .A +- 5 +B +B@ !@ I> Y
,+@C &C-J-C+ -A 4&5 +B + - L+- #0 ;QS; " 2 ( ) . A
:" />A -?E@ (8;QQL(<N2 D -A,G @ ,+@C - =
;QSP = C !& (C ,0 OO0 A ,, +B@ $@ -,>+ -A
- +B@ &, A@+ E->+ +B@ I>A2 +B@ J@C -D ?@ ^CC a
A !) > ++@C &C-J-C+ -A +- +B@ ? DD,@ / + A @ 4QK=
: $ -& ,O< B@ @ I> ,+@C BC- ? + OK=M
) V% G) !>JJ,2 OM< O B@ -,,- A.C + - C@ >J@C
J C+ >, A ;P+-;N2 B B @ I> ,+@C
+E) (I * . E)
;QN) : 5(0 0 - (D 2 $! C &T
*& & B B .A @ C J,@ 3@ >C@ - +BC@@ -+@ 2
+- + - > B, U@ -+@ - +B@ %-?B -A ?@
O) ! ! F 6 : + 0 O
XW=C " ",!(4 4 O<L O !-?@+ ?@ +B@ 3 S+>C@ +-J
-A D@C@D J C+ - +B@ !@ I> ,+@C ;K=M 1 (!>JJ,
LM< O B@ @ I>?,+@C +-J - A -C. A
!@) A ,+@C 8 @ U @ ,+@C (2)) =B 0+(^ 2
@CA %$0 $ &+ & D) $! 8 @@ JC@ (a
- @ I> ,+@C ,
JC-J-C+ -A 1 (
$%+ [# 8) A - (, &!0 MO - - / >J,@ G->
? U@ !@ I++ ,+@C @ 2 - - C J,@ G-> ? G ? U@ @ I>
+@C+?@ ;MPN B.8 &*&- (;PN G-> -A@,G
-A+@A) +@ +B@ / ?@+@C - ,-A. +>D@ AD , + +>D@ -
? A 5 @2 G-> B ,, AD !@ I> ,+@C JC-J-C+ -A2
-) (8!@@) - + +?D *" O E (
S.-S B7. WK5 & (.S, 2 &C-J-C+ -A / >J, +2
+C J, +2 D +@ @C ,,2 !@ I> ,+@C 2 AD D@ >J, C@ -C+
;P<Q = & 0) 0 LO C 0 %-?@ +B@A +- !@ I> Y
,+@C 2 B + + $(B@A +B@C@@ A-+@ C@ >A. +-
+ - - +B@ ?@ U AD@ 1 (<0 B@ ? AA@C - A. A.
D) $! $* &*&5 & 0 $%%> 1 - * 0 C $, (
) 0 L= 5 .>C@ @+ B>) ,,@D !@ I> ,+@C JC-J-C+ -A2
B B .A @ C J, 3@ >C@ - +BC@@ -+@ +- + - > B,
, U@ -+@ +B@%-A, ? # A ?@ O>>[8 I I ( )
MQ +B@ ->C+B B-CD + -B@ @ I> ,+@C 2$ J
< & > 0 (=QP X !@ I> ,+@C @SJC@ @ +B@
&C-J-C+ -A + + - +- +BC@@2 AD +B@C@ -C@ C@JC@ @A+ +B@
&@C @ 5 +B2 B B JC-D> @D EG -> AD A. + - +B CD -
. @A +C A. 1 0(A CBG+B? -?EA + -A 2 !@WI>
B@C > @D +B@ .@A@C G?E-,- C J,@ ?@ B@
+@C ? !@ I> ,+@C -, JJ, @D +- J .@ - +BC@@ A-+@
>A. . A + -
/b B@ A ?@ - A -C. A +-J2 -A + A. -
@ @C ,C AU - J J@ 2 - - EC,, A+ +-A@ 6 > ,,G
$1 &!(1(
;MKK A " -JU A $ 8;KQN(=PL) B- !@ I> ,+@C
;NP J J@ OQ<K 7 3 0 V $ 1 & 8@D P(PL B@
#C. A B +B +@A +-J 2 X + - D J -A 2 -A@ > I> ,+C
@+ * XK-S B ( ) (&*(D) $! $ &*(
A>S) +-J C>AA A. +BC->.B +B@ ,@ - +B@ A +C>?@A+2
AD -A + A. - +BC@@2 ->C2 AD -?@+ ?@ B@ C AU -
J J@ 2 +>A@D A +B CD 2 +B 2 AD @ .B+B ;KKL
A< & > ( ) 0 ,, =QP B@ !@ I> ,+@C -C. A +-J

!@ I> ,+@C 8 @ U @ ,+@C ,(2 $0 ^
@@ JC@ a f *B .
;MNL `) C!) $, > & (;LPK B@ JC-J-C+ -A -
/ J@A+@2 ^ a "@?-, - -C !@ I> ,+@C 2 +B + +- G2 +B@
B-,@ AD B ,@ ?> B ?-C@ ;M<O ?&"! ,
8;M<L(;N +B@ S&C ? CG &, A@+ C@ -, @ E->+ " ?2
- +B@ !@ -AD CG -A@ C@ ? - @D E->+ B@? 2 A +B@ ?@
!@ I> ,+@C JC-J-C+ -A - +B@ C &@C -D , ? -+ -A +- +B@ C
#CE 2 $;M<M B 7),! 8;QNP(SK-2 S- +- = A
3 >,+ J,@ >J@CJ + >, C JC-J-C+ -A D>J,@ !@ I> ,+@C ,O 2
+B + O= ;QO< B .3 !! " A2 ;=K B@ JC-J-C+ -A
-%- ,+- !>,JB>C2 B ,, E@ @ +B@C !@ I> ,+@C ,-C / ->E,@2
-C C J,@2 -C -?@+ ?@ I> ,2 ;K;Q " .
! 1 $(@+ OKQ
/ ?& (AD 0 8!@@ I>-+ 2(
;Q<L = $ 0 ?& ((D) $! % & ,)!) (!@ I> Y
,+@C , ,-C@+ 7 B@A ,C.@ @C+ ,@ ,-C@+ -?J A @D
EG ? ,, E-C+ @ -A@ ;KNM B +C (" 0 $
SJ, @C? 2 A@A+-? -,-.G + ?@ A
- >JG A. +B CD J C+ - +B@ A.2 -C A ,>D A. ? ,,@C
E AD -C J- + B A , C.@C -A@ ^S8) . 8 0
?& 0 - (D) 0$! (7 B@C@ +B@ + ?@A C@ -A@ B ,
? AG +B@ J@+ , -C @J , a
+ !@ I> ,+@C > 1 0 ^5-C?@D JC@
i a f *B .
;MPL $) C." & (OQ; " @C@ G-> ? G AD@ +B@
/ ->E,@ JC-J-C+ -A2 +B@ @ I> ,+@C A2 +B@ @ I>,+@C+ A
;Q;P +C < & " & (8;QNM ;LQ B + +B@ &@C -D
?@ - +B@ &, A@+ , E@ @S +,G A +B@ !@ I> ,+@C A
&C-J-C+ -A +B@ C #CE + -C % C ,@
!@ IA ,+@C +@ 8 @ U @D+\ (2 $0 ^5-C?@D
JC@ i Oa *B . "@A @ !@
.> ,+@C +@ 0 8 @@ I>-+ ;MN<(
;MN< 8 .) (& M= B@C@ E@2 B B DD@
+B@ -,->C+- +B@ .>C@ B B C@ ? D@ @ I> ,+@C +@ EG
+B@ % C +@C - +B@ A>?E@C AD -A+C C,G @ I> ,+@
S + A. +B@ @ I> ,+@C @ ;MPL $) C " & (OQN
B@ @ ,, E@ C @ I> ,+@? +@ ^C0CaJ C+ +- +E% -C?@C
JC-J-C+ -A ;QOK ,!0 - - (B@ 3 CU
-) @,, E>CA+ ?@2 C@2 +B + + 7 @ .B+ +W+- +B + - +B@
!+-A@ A @ I> ,+@C +@ &C-J-C+ -A ;QQM B
) (8;QK<(MQ ?@2 - -DD A>?E@C -C @ I> ,+@??+@
JC-J-C+ -A ?-C@ JC-J@C +- @S +@ -??-+ -A);KSQ !
! 1 $(@ OKQ A B + + ?@ ,, ? G JC AY
J E@ C @D +- +B@ @ I> ,+@C +@ ?-> C,+ ;<NQ #3+b=E
=5@@+- @ I> ,+@C +@ C + - 8L O MC O L(
A @C +- +B@ / J@A+@ -C +B A 3 >
E 8!@@ I>-+ AD *) . ; E (
K-S B 0) 0(D 3 ! $ ($
C % 000 +C J,@ A +B@ -,D ?> 2 A B B +B@ EC@)
+BC@@ ?@ >C@ 2 -C @? EC@ @
!@ IA ,+@C -A 8 @ U @ ,+@C (2 $0 ? 0
^5-C?@D JC@ i - a !@@ I>-+ 2 AD R
*B . E
;KOM : , 1 & - &!0 S, OKK !@ I> ,+@C->
@,,> = , !!) D) $!) +0 A - @,,> +B ? ,,@C
A@ C +2 ,,@D , - D) &, !!) 0 1 0 OK< !@ I> ,+@C->
5 = $, $ D) $! $+0 7 B@A E-+B A. C@ +C Y
@C @D EG -A+ A@A+@C E AD2 AD @ +B@C +B@ JC ? CG -C
@ -AD CG EG A-+B@C E (L=O !@ I> ,+@C-> = D) 3
$! $ +0 B@A ? A>+@ C@-,@+ JJ@AD@D +- , C.@ -A@
!@ .) @A+@ ? 8 @ U @A+@ A ,(2 AD
1(E((^ *B " i . V $ B(&@C
+)A A. +- @,@EC + -A - E>ADC@D AD + @+B
AA @C CG2 E !> B @,@EC + -A -C AA @C CG
;KKN & (C & 0) ($ (;P - L); B@
!@ I> @A+@AA , - 0 ,+ ?-C@ @,@EC +@D D>AB. +B@
@ -AD @@U -# +-E@C SKKK $ %B . -(< >. 2
B@ @ I> @A+@AA , @,@EC + -A - +B@ B>C B)
,$ - " M :>A@ =MK 0 B@ @ I> @A+@AA , @,@EC + -A -
+B@ 6A @C +G - &C A @+-A2 @ :@C @G
!@ I D>J,@ 8 @ U D)J,(2 ^I *B "
i B1. ! +- @SJC@ +B@ ?@ A A. T+ -) D B , "
8-A - @ A ,-.G(2 +@C D) $! $!!H A -, A.
C + - - Oa +- ! - !@ I> D> J6 - + $(
?>> ! D))*!,$ (E@,-A. A. +- +B@ C + - - @
+- + - K=O) 0 0(@+ D) (!@ I> Y
D>J, +@ -?@+ ?@ -> C A ? -D@CA +C@ + @ SK -
7. 3 ! D))*! (-?@+ ?@ > @D A +B@ ?@ ? AA@C
D))*!,$ (
!@ I+>-S D@ 8 @ U J U - D(-0 , -
@ I>- X D@ ^!@@ *B " E + A -S D@ -AY
+ A A. +BC@@@I> ,@A+ - -SG.@A +- + - - A-+B@@C
@,@?@A+ -C C D ,
;KL; " (- (8 D Q(!' 7 B@A +B@
A + @EA-S D@ - ? A. A@ @ ;@SJ- @D +- @ ,, +B@ ,
+ -A @C+@D A+- @ I>-S D@ 1 (K;K 3>C +@D
@ I>-S D@ - ? A. A@@ O & (+C & > - (
$!" ;P< !@ I> -SGD@- C*D >?2 ,CON<
? $ P B@ @ I>-S D@ - BC- ? >? A@ C-A
"@A @ !@ IA -S D + -A2 -A @C -A A+- @ Y
I> -S D@ !@ I> - X D X@D *$0 **! 0(-A @C+@D
A+- @ I> -S D@
;K=< / 1 . & (-0 OQ B@ ?->A+ - C-A
@ I>-S D X@D 1 (;=O - ? J,@+@ @ I> -S D + -A -
+B@ C-A ,+
!@ IA J@D 8 \U J ,2 @ U J@D ,(2 $0
+D 10 ^ D D) * !3 (0 *B "
*) . V) f! !FA& / ,
SM+ $ B /+ A & "$> U E2 B@ @ I>
J@D ,@ E@,,G +BG -?@ ;MO= B $ (!((
2 5> + A2 E ,2 @ I> J@D JCD) SK-)
(8;KM<(= / C & CC @@? +- +B AU +B + @,-I>@A @ -AY
+ 2 A +>D -> CC A.@?@A+ - -A-C-> 2 @S-+ 2 AD
@ I> J@D , -CD ;KO< ?!$,.2 0 $ 0 4 4 ;Q DY
? C E,@ D @C+ + -A -A -,D B ?E@C J-+!" C@ J->C@D A+-
@ C @ I> J@D , S!)S 3 = B 8 < ! V$ *(
S2 !-?@,- @,G @ I> J@D D @CE
0 1 0 +B A. >-+ AD B , A ,@A.+B
A@S+ 0 8 A I>-+ > @D*- >, C,G (
;QSL <) $ $ -,-!&= ?E>+ !@ I> J@D ,2 B A.
-A,G S 5@@+ AD B , - ! + +>C@

" 8 @ U ,J,D) , A(2 $0 AD 10
^ D)* ! @@ *B 1) AD " #
$ B(# -CD AD @SJC@ -A 8 +B@C
"-C @ D)* $! $ 1$ F -CD - -+ AD
B , ,-A. 2 & <Q(# ? AG G,, E,@
$%/ . B 2 !@ I> J@D , A -CD = 1$
D)* $! $+> @D EG "-C @ -C .C@ +2 +->+2 AD ,- +G
-CD -CD +B + C@ @CG ,-A.2 -A + A. - ? AG !G,, Y
E,@ XMMS 9 7 2 ,& % $ ((&) 8 KMN(ON , 3 D @
J>XX, A. :

-CD
666
* ,0 2 j
C@ >,, - E CE C-> @ I> J@D , A + A ? 2 +B@
JC- @ - +B@ $?E,@C KMS L = X.. , 0 $ 0 !@C
84KM=(LLK A +B@ @) > J@D ,, A %-?J->AD +B@
.A + @ C--+ C@? A D + A + SKKM $ 5 B
$10 0 8 EC @D (5-C@ J S 2 !@ I> J@D , A >A
A., B -CD
/ $ %0 @A +-> A.,-A. -CD
$ /J = < $ %& - CD +B@ @AD - B@C
,@++@C 3 :@AUGA > @D +- E@ -?@ I>+@ @ I> J@D , A
) 6 @D -C @CG+ ,, -CE .
;KPQ _ _ 1 ?$, _ _ (4S 2 _8 ; &9 _
= ! ? @
A! (
/ " , G CD B .B -C ,-A.
% Q4= B ! @+ - (3<, 1 S 8;Q=;(=K
" + +B->@ @C ?@ >C D +B@ . . A+ U +B -J A2 B- @
+ +>C@ E- @ @ .B+ >E + B .B2 -C +B@ @ I> J@D , A
&)@G
I 1(J@C -A -C +B A. +B + - -+ ? D
B , A B@ .B+ -C ,@A.+B
;MSP) "3 &-1 % & &5 3 &-1 4;L "@ +B->.B+
+ EG B C @+G2 +- ? U@G->UA- A@ -C J@C->!@ Y
I> J@D , A A@>@CG - + SM) . B !& &
/ @ I> J@D , A -CD
$ > $ 0 LPN 7 B + A ? X A. J- @C A
C + A. D- A B CD A ?@ AD @ I> J@D , A D-@ A +B@
-,,- A. J . @ ? A @ + ; K<= $ 3 1 M : A
;<= O " @ I> J@D , A C@ ,, +-@ >++@C A @ - A-+B@C
/- +-C
"@A @ +G,@ B C +@C X@D
EG +B@ > @ - ,-A. -CD , @A. +B A@ - D@
I> J@D , ? !@) IS J@D ,+G2 @ I> J@D , A
I> ,+G $ %(.C@ + ,@A.+B2 ,@A.+B A@ , -)
T+B@ JC + @- A.,-A. -CD 8#. B @2 KK (
;KML $ 0 (==N "- D@ C +- B B@ C ?> +E@ +B +
? C @,-> @ I> J@D 6 A!?(A 7B B E@-CD A C,G C@ @,
KKQ 7 % B ?.0%& $- -&,.8;K<L(;ON @CGY
+B A. ?>+ E@ D-A@ I> U G @ +B@C@ ! A- +?@ M
@ I> J@D , A ? X) L 5 & ((;=K B@ @C
-, A X@D = I> J) +! ? AD -A-C-> D@A @ ;QP<
($; S 7 +B EC@ D+B - E U2 AD
) @ I> J@D ,+G- E@,,G2 B B ? .B+ B @ D-A@ B-A)+-
@C A+ A +B@ B-C @ .>CD C $ 0 4
MP= B@C@ @C+ A,G -?@ @ I> J@D ,,+G A +B@ +CD
;KPP 1 0 ML ?- + -AD@C >,+-JUA-++@D - U +B
@ I> J@D ,,+G- ++,@
!@) > J, +@ 8 @ B)J,U)(2 $(^ D ? -D
D) *E - * KN*!) -,D@D . f
+- @SJC@ +B@ ?@ A A.) ED>J, +@ - +B@ +C?,
+@ 8 D) * ! 5 -A @ B , (a
O@ C A. -C A -, A. +B@ C + - - +B@ I> C@ C- -+
- +B@ >E@ - +B@ +@C? - @C+ A C + -
B> 2 $ +-$ A +B@ @ I> D>J, +@C + - 1+-C(B@A
$ V (%!
;QS= &!(&!(8;QM<(OO B@ C ?-+ -A
C->AD +B@ !>A2 C@ - @ I>BV6 +@m)-J-C+ -A +- +B@ C D Y
+ A @ C-? B ? ;QOK +C 2 &(" (& ! ;O B@
J@C-D + ?J - +B@ +D, + - :>J +@C C@2 -A@ - A-+B@C2
A +B@ J@C @ +@ JC-J-C+ -A - +B@ C D + A @ C-? +B@
@A+@C - +B J, A@+ ;K=;C " " ,!(4 4 LN< O !@ I>
J6 +@C + - +-O $IJ 5*$ % $ % ;NK
!@)) A +@C+ 8 @ U + >)( ) (^ 2 @CA2
8 $ &+ - DE) %(-d F i +B CD a
/@A-+ A. C + - - +- 2 +k = +- P B @ ,G
) (D@A-+ A. 8 (A A+@C B A.) C + - 2
X +B@ J@C @ + ->+>B2 8 (CBG+B? - +BC@@ A-+@
. A + mE>C
O/0> = . & ( ) 0 LL !@ I> +@C B@A I>C@
A-+@ C@ >A. +- +B@ ?@ U AD@ $%/+ B. 8
&*&- 0 ;=< 7 B@C@ -C@ +B@ , ++>D@ +B@ 5 @ -?Y
J C@D +B +B@ ,-A. +>D@ - B->D E@ + @ I> +@C+ JC-
J-C+ -A ;QQM 8 ( ) M= O @ I> +@C+
+- / 0 1 0 MK B A>?E@C OPM2 @ I>++@C+ - Q<O SK-+
B ( ) (O J A < & 0
D) 3
!@ I + +@C+ 8 @ U +! G: ,(2 $0 1 0 ^
JC@ i a SJC@ A. C + - = L % JC@
0%+J) C!) $, > & (;LPK B@ JC-J-C+ -A - +B@
3>) @ -C!G?JB-A@ / , +@) C-A2 OJ +C +-! -C !@ I>
+@C+ ,+B + +- G2 +B@ B-,@ AD + " CDJ C+- @C $%/
8 .) +C &)% $0 (0 ;;S ;NMM B@ @ .
- C@ ? D@ A @ I> +@C+ JC-J-C+ -A2 $%0%
B 7),! 8;QNP(=N +- ;O L -C L 2 C J,@
!@ I> +@C+ ,
E $ %(8!@@ I>-+(
SK-M B (_ 0 $ 0 766 - :) #
D) $!(! "
!@ I> +@C : 8 @ U +! *: A(2 $(@ 1 0
^5-C?@D JC@ i " V @ *B
+M-L . C!) $, > & (SJ, 7-CD 2 D) 3
$ (JC-J-C+ -A2 B@C@EG >AD@C +--D ?> B
-?J+@B@AD@+B @ B-,@2 AD CA @ +B CD J C+2 S\ +-<
;MPK 8 $ 0 ") PK B@ @. &%!J D@C
C@ ? D@ +@C , @ I>,+@C A JC-J-C+ -A ;M<K C !0
$ 0 4 4 K; 7 @ .A +- 5 +B +B@)) I>E ,+@C &C-Y
J-C+ -A AD2 +- 5->C+B +B@) I> +@C+ A ;QMN
A C !($ ( ) h;h 6 +B@ A+@C ; D +@ -A2 -C @

[illegible]

[illegible]

[illegible]

E * ,0 A A., B J C, ?@A+ CG > @2 JJ, @D N +B@ J@C -D E@+ @@A +B@ -J@A A. - & C, ?@A+ AD + JC-C-. + -A

B@ +@C ?$)) - &' 8 A +@ D - T >+> ?A ++ A.
-?@+ ?@ > @D +- D@ .A +@ +B@ @S @J+ -A , C@ >?J+ -A -
+B@ ++ A. M +B@ " -> @ 2 +@C A D*->CA ?@A+2 A B +
A-C? ,,G +B@ >+> ?A C@ @ E>+ +B* > @ -AD@?A@D EG
J C, ?@A+ CG >+B-C + @ A -CC@ +
$ \ BB ! & - 0 0 C E 8;PK<(P= B@
, +D G! +B + *) C, ?@A+ -C @ -A +B@ &C A @ -??@+B
A J@C -A A B & C, ?@A+ C-E@ ;MQM) 8
A # . C0 0 0 & - -0 JJ L= & C, ?@A+ 2
-?@ G ,, E@ D -, @D - ->C @ EG C@ -A - +BC@@
@ -A 2J + +B->+ AG E ,, J A. ;MKL * 0 $ ' Q
$ $ ') % &&E 3, &$ 'B@ ON+B + - +B@ +B CD
!@ - +B@ ?@ & C ;QS; ;L 8 6 6 - !0 & !!$
O; 3 C 2 D->E+ +B@ @ -A ,, A-+ E@ - @C + ,, +B@ @AD -
JC , ;;KLL = 0 0 7 U ;K=M =L +
+B@ -J@A A. - +B@ !@ -A2 +B + " -> @ B D -A+@A+@D +B@?
@, @ +B .@A@C , +B AU +- +B@ 9 A. -C B J@@ B ;KQK
" ! 7 &2 ' <$!$ ' ;<P @CG @ 3 @?E@C - & C
, ?@A+ -A,G 7 ,, + -C +B@ !@ -A +- C , +- + ,- @

^% * 0 +B A.2 @A @ AD -A +C> + -A 3

$%&J Q $ & ?& &0 OK JC P # +B@C O ,,
J @D +B !@ -A ;QN; $ "!$ ' $2 8;QOL(;M
7 +B A ! S 3 -A+B C-? +B@ AD - +B !@ -A - Y
@?E,G ;QL 7 B. A <0 &! - $ C& 0 0
8;KON LK B D G +- -A ,>D@ @CG +@D -> !@ -A -
& C ;QKN 3 =) = !" * .& $ P<2 ?> B D->E+2
B@+B@C @ @ G @ -A - & C, ?@A+2 -C -?@ G@ C J +2
B A-+ -CD@D ?@, A B-,G JC-- ^@+ a

+, A ! -+, AD AD +B@ 6 ! 2 AD A -?@ - +B@ A@ @C >A @C +@ AD -,,@.@ A A., AD2 +B@ J-C+ 3 - +B@ G@ C D>C A. B B A +C> + -A . @A

) - - &' A C@ @A+ ! > @2 J@C -D - A +C> + -A
D>C A. +B@ >??@C2 DD + -A , +- +B@ -,D A+@C @ -A
' # (;O ^!+ ADC@ 'a +>D@A+ -
+B@ B .B@ + , ? G U@@J B W AA> , @ -A2 B B
, + E->+ @ @A ?-A+B 2 -C E->+ +@@A J->AD ;KNQ
< ! 0 ' 2 ,-! B@ @ ,-A - +B -,,@.@
, + -A,G E->+ ->C ?-A+B 2 AD +B@ -?J,@+@) ->C @ -
+>D@A+' ++@AD A @ 2 + +B@ B-C+@ +2 ->C @ -A ;KP;
$ $!0 E ' 0 ' $;P 8 " ,, &!! & + B@ @ -A
-??@A @ & +B@ + - # +-E@C2 AD -A+ A>@ +B->+
A+@CC>J+ -A >A+ , +B@ .+B - :>A@ KM - *E ?$ $ 0
P;P B@ ?@D , @ -A ^ + D AE>C.Ba E@. A -A +B@
+ - @?E@C ;KKN B@ 3 -A ! @A @ %-,,@.@
% ,@AD C -C +B@ !@ -A ;KKN K; SK-S ' 0 E ' ($!(
LN !>??@C !@ -A 8 + 3 G +- ; + # +-E@C(

! *>D , ++ A.2 ' (++ A. - *>D.@ *>D.@ +-) +@C? A@ > @ *>D , +C , -C A @ + . + -A ' (AD ,&!! , (* (8- +@A -A +2 ' (>+(1 (8@S $, (-A+@S+> , > @ - @A @ -C O(2

;=) & - & % $! &' 5') ,(8;K<N(MN aV@
GD O>C.-G@ B ,, A @C@ A ,, @ G-A AD A I GC@
P=K $, (PK " @ +B + G@+B +- E EC-+B@C
9 B ! -C+BG@ +B@ @ G-A ;PPQ A ! , C! $
- $! " 8!@,D@A !- (LL + +B@ !@ G-A - +B@
?@ ->C+@ B B B->,D E@ B-,D@A +B@ S *TU D G@ -
/ @ ?AEC@ +B@A A@S+ -,,- A.@ ;PKP - . 8) A ,,
((!@C2 O<M 6 JJ-A B>C D G@ , +@ @ U@J+@
!@ -A - A I>GC @ A -AD-A A +B@ -C@A-A@2 AD A +B@
+@CA-A@ @ U@J+@ +B@ ,GU@ ++ 5GA E>C @ -C 3 DD,@ @S2
A B B + - @ @C ,, !@ -A @ ,, > B @C@ +- E@
CC G@.A@D -C @,-AG@ + +B@ -,@ D@, @CG@ @C@ ADG+@D
;MN= &' .0 7 U ;KQL ;PN $ 0 C +.A@
+B@ J--C@ 7 B-C@ %0 "@ A-+ ? @ +B + !@ -A SMSS
' 0 0 ONO !>??-A !@ -A2 +B + @
? G CC .A@ #>C ?- +D ,-G ,,) DG ;M<; C $, (
0 8;QNN(L B@ C + .@A@C , !@ -A B@,D A +B@
%->C+ - +B@ C B@ 2 U@J+2 +B@ A@S+ D G 8 A- " -,G
D G(+@C +B@ 5@ + - !+ 5 +B +B@ C. A
) $ ' %0 AD % 0 ;P<; " &) ** ;; LN B
+B@ JC > +@2 C .A@?@A+ -C ,- @ !@ -A 2 B@A %-A
@A @ + A B@C B +C@ +- @S ? A@2 AD > @2 AD >D.@
AD JAD@?A@ B@C @, @ , SMN- &' '0 SSS S ;MLN
1 ' .. ,,$ 0 (SSS S 8;MLL(OOP - B-,D JC G
!@ -A 2 >J-A ?G !->,@2 AD + -A $%&/ = .
$, 0 7 U ;KP; ;<= B@ B CD B@ C+ - -+B@C >A
%B + E,@ A +B- @ *>D , %->C+ 2 @C@ - C@? ++@D +B@C@2
E->AD - @C +- +B@ B .B@C !@ -A - 8%-A @A @ ;MP<
9 B7 $, 0 C ' ,0 ;<N B- @ J C+ >, C @ -A -A
? G @, 2 JC@ @A+ " .@A@C ,, X@ $ I O
.= ' # / A @, E@B@,D +B@ !@ -A - +B@ A @A+
- / G 2 E@B@,D +B@ :>D.?@A+ @+ AD +B@ O--U -J@A@D

E !@ - + - +B- J@ @ 8 A -CD A CG, A.> .@ J ?J,G @ -A (+B@ J@C -D , ++ A. - *> + @ - +B@ J@ @ 8-C2 A -*A@ A + A @ 2 - + J@AD CG ? . +C +@ -C C@ -CD@C(# +@A -A +2 ' 0

A A., AD +B@ @ -A - +B@ J@ @ C@ - +B@ -,,- A.
U AD * " &) B ->C+ B@,D EG + - -C ?-C@ *> + @
-C + J@AD CG ? . +C +@2 @S@C A. >?? CG *>C D + -A
A ? A-C - @A @ +B A J C+ >, C D +C + 8 T J@++G
@ -A , D -A (* , $! &' J@C -D , ?@@+ A.
- +B@ *> + @ - D -A JC@ C E@D EG + +>+@ -C +B@
+C A + ?- !-?@ J C+ >, C U AD - E> A@ 8>AD@C +B
B@ D C@ & 2 &5 ! , ' ' &' -C +B@
B@ C A. - JJ, + -A -C , @A @ +- @,, , -B-, DC AU (
' $! &5 D) $ &' ->C+ B@,D ->C + ?@ G@ C
8 A ->A+G2 C D A.2 @+ EG +B@ *> + @ - +B@ J@ @2 AD
A @C+ A A-C#>.B EG) +B@ C@ -CD@C(2 B A. , ? +@D
C ? A , BD , *>C D + -A AD @C+ A D? A +C + @
>A + -A [&' +B->+ I> , + -A2 > > ,,G
D@A-+@ +B@ I> C+@C @ -A (F> C+@C @ -A C@ , -
B@,D A ! -+, AD AD C@, AD A @C+ A OC + B -,-A @
+B@ A., B G +@?- @ -A - +B@ J@ @ -C?@C,G @S +@D2
AD -C + ?@ C@+ A@D A -?@ - +B@ 6A +@D !+ +@
) ;) M B C &!0 LPP + @ ->A +B@C B@ ,-CD
AD C@);=PL &!! (C$! 0 OMQ O B@ :> + @X -
+B@ J@ S A +B@ C@ !@ -A - J@ S ;=QQ 1 (;QL O
/ @C @ - +B@ 9GA. ' :> + @ - +B@ J@ 2 ++GA. A +B@
9GA. ' .@A@C ,, %@ -A - J@ @ A +B@ ?@ %->A+@ ;P=K
A :2 " ,- @C V .& * $ ' $ 8;KKL(;NK #A@ C@.-CG
%- EG ADG+@D + @ G-A B-,D@A + -+B) -C

B>A+GA. - +B@ B C@ A +B@ @,D - &G -CD ;PPM &'(
< " $ 8% ?D@A(L= JC -A@C EC U@ C-? +B@ B ,,@
+ @ . +@ B A +B@ @ -A D-A@ ;MQL 9 !
1. 0 $!(3 8;MKN(;;M !-?@Y
+ ?@ -A@ B C@ - +B + 3 -A@G J D +- A) @ JC@+@AD@C
+ +B@ ! X@ 2 -C !@ -A SM) C! $ $ E 5 (C , &%
& - OL # >C %->A+CG ,@B-> @ ? U A. :> + @ + +B@ C
&@++G !@ -A 2 F> C+@C2 AD @A@C , !@ -A %_b] < ' 0
$ (4 4 =M; B@ OC@ +@C !@ -A + OC G A -C+B
>A.C ;K==) B7 ? 0 &' (S,S 8;KMO(L;P B@
3 . +C +@ 2 B@A + A. A.,G -C A ? ,, A>?E@C + J@++G
@ -A ;KP< (2 ->C +@ +
+B@ #,D O ,@G2 AD @U@ + +B@ !@ -A
$!" A ' 0 ;==L &!! & % C$! 0 =) ; #A@ G@C@
.C@+ %@ -A B-,D@A -C@ +B@ 9GA.@ :> + @2 AD , -
J@+ + %@ -A2 B-,D@A -C@ +B@ D :> + @ $ / I)
' 0 2 8;P<;(LQ= - $ ' B@ D@ C J+ -A - !@ -A
- +B@ &@ @2 ;MSM O # !$ ' O; C (
" - ,-A.@C B@C@ C -A@+B ' 0 1@ 2 E-G2 + ,, +B@ !@ -A2
SGS- . - $ " 8CKKK(;MN JJ,@EG +B@
B C@ +- A B@C@ +B@ @ -A AD X@ C@ B@,D ;K==
, Q K 0 ,-C e O !> B :> + @ - +B@ &@ @ B ,,
+B@C@>J-A >@ B !>??-A +- +B@ &@C -A 2 +- JJ@ C +
&@++G !@ -A

C- C " -C $) &' @@ I -+ 8 % " &' ' 1+0 1 0

;P) L , R !O0 = e =N B + + B ,E@ , >> " +- +B@
" .B@ %-A + E,@ - ">ADC@D@ A @ @CG !B C@2 +- B-,D@
U@J@ AD -A+GA>@ &@+ @ !@ -A 2 -+B@C @ ,,@D !+ +>+@
!@ -A ;M=; - !$ " O=Q &@+ + !@ -A -C
+ +>+@ !@ -A C@ B@,D EG +B@ B .B 8%-A + E,@ - @ @CG
">ADC@D -C +B@ J, A. - @C A+ ;QKQ 7 " = ..
) 0 ,&' 0 & %&!. 8;Q<P(=N B@ " .B %-A + E,@ - B@
">ADC@D A B B + +>+@ B@,D2 E-,D B + ,,@D
J@++G @ -A ' + B B +B@ B C A. ^- @C A+ a AD +
++@AD A+ C >? + A @ C 2 -C ? GE@2 C@. +@C@D

D < $ &5 $ ' &'4 M ->C+ - *> + @ -C ?@C,G B@,D B , G@ C,G A @ B - +B@ ->A+ @ - 7 ,@ 2 JC@ D@D - @C EG + A@C A+ *>D.@ -C ? A. D + A + E-DG C-? +B@ *>D.@ - @ A A., AD &) & % &' ->C+ -C ?@C,G @S@ @ A. -C +B@ %->A+G & , + A@ - %B@ +@C *>C D + -A ?-C@ -C ,@ -CC@ J-AD A. +- +B + - +B@ ->C+ - @ A +B@ C@ + - A., AD 1 0 @S% 0

O-+B +B@ @ ->C+ @C@ E-, B@D A ;KLN EG +B@ + ;;
@- \ 7 ,, 2 QN e ;=
;P=O L LP '0 ! 0 J OM e= B@C@ B ,E@ B-,D@A
!@ -A +) @ A @ @CG@ G@C@ A @ @CG@ - +B@ D@ !BGC@
A 7 ,@ +B@ B, B@ !@ -A B ,, E@ ,,@D +B@ % A.@
%C@ +@ !@ -A A 7 ,@ %B & &' 0 < $O0 - =LLN = B@
C AD :>CG2 :> + @ - +B@ &@ @2 AD -+B@C 2 ?@+ +-Y
.@+B@C + +B@ C@ + !@ -A B-,D@A -C +B@ D %->A+G
&@?EC-U@a2 ;QLN , < &0 2 OP C $- 0 :>D.@ -
+B@ C@ + !@ -A A 7 ,@ 0 e < % > @ A +B@ C AD
!@ -A A AG %->A+G - 7 ,@ 2 10 0B + ,@ + @ .B+
/ G E@ -C@ @ @CG C AD !@ -A e ;= B@ C AD !@ -A
A 7 ,@ 2 K<<j 7 $ 9 .. = +0 B@ B +-CG - +B@
C@ + !@ 3 -A A 7 ,@ P=O KLN

,& $ 2 0 0 B@ A ?@ . @A +- ->C+ - *> + @ 8- +@A ,,@D T +B@ !@ -A - : ?@ '(2 @ + E, B@D A ;=OP2 -A + A. - +B@ %B A @,,-C AD -+B@C J@C -A B- @A EG +B@ U A.2 B B + +BC@@ + ?@ A +B@ G@ C+- D@+@C ? A@ A B > @ B D JC@ -> ,G E@@A EC->.B+ E@ -C@ +B@ U A. AD E ->A B@ *>D.@ - +B ->C+ @C@ ,,@D +B@ & &% &'(E &) &% &' +B@ >JC@?@ , +C E>A , - ! -+, AD 8-+B@C @ ,,@D +B@ &!! &% 6) , @@ .R . 7 Q (2 @ + E, B@D EG + - & C, ?@A+ A ;PLO2 AD >A + A. A + @, +B@ J- @C AD *>C D Y + -A B B B D E@,-A.@D +- +B@ !@ -A - : ?@ 2 +- +B@ / ,G %->A , - : ?@ 2 AD +- +B@ -CD >D +-C - & C, ?@A+ B@ *>D.@ - +B ->C+ C@ - ,,G ` 1BH& 0 & &% &) ' , !$ ' &' 01 ' A -CD A CG, A.> .@ & &% &' 0 85-C?@C,G +B@ ->C+ - +@A J-U@A - + &' = +0

;=) ,,0 0 $ (,& 0 O=O +@?2 .@ A +-
+B@ 5C@C - D AE>C.B + +B@ 9 A.+ -?? AD- S * +
+B@ @ G-A ;=<M 1 0 OM< F>B@A +B@ 9 A. C D +- ! A +
:B-A +->A +- +B@ @ ->A O/++"J+ X= C& - S ;L=
+ %->A ,@2 !@ ,->A2 AD + & C, ?@A+ ;) L -CD N;
!@ -A ^ @@ B . >V O/%0 (C " &) ' , ! ,& (
MMP @ A AD JC-A>A @ + E@ +B@ -CD - %->A ,@ AD
!@ ->A O/>>" > ' .) (,& 0 L;Q O B G@@C@
^;PLNa +B@ -,,@.@ ->C+ - > + @ ,,@D +B@ @ -A
A + +>+@D SMS- ' ..) $- ? (;; K B@ %-,,@D.@
- > + @2 -C +B@G ,, + B@ !@ -A SMWL
$ " 80 AA +GA@ %,>E(LQ -CD - !@ -A AD %->A @,,
;QNK : . 0 < 0 ? (;; ;; 8;Q;N(=OM
-A@ B ,, E@ A ?@D2 +- E@ -CD A CG -CD - !@ -A2 E>+
> B B-B @E@@A D - +@ -C JC A J , %,@CU J !@ -A
-C +B@ !J @ - 5 @ 1@ C 4QSS , ;N ' ' L e O
B@ %BC +? + -A - +B@ !@ -A -C %-,,@.@ - :> + @
M % : "

SSPQL : L 0 %(. 7 U ;K=K ;PO B + +B@
>,D !@ ->A E@ -C +B C D@J C+>C@2 A-? A + + @A+G ->C
A ,@ + ->A -C ,D@C 2 AD +B C+G + - -C /@ ->A@
4MQL " V 50 N5 0 C! $ ' &C@ *2 #>+ !@ -A
B A. E@@A + C + -A + +>+@ - A @ I> , A>?E@C - %B>C BY
?@A AD U 4QLP A :2 : @CA-A $2 , . 8;<NN(;KQ
B@ 3 A +@C D D C@ D +- G@ ?@?E@C - G@ !@ -A) + + -A
$> % B ' 2 0 & - - ' * (1" $!& 2 7
J A B J>+ !>AD G @ -A2 A A-- 'D E@ -C@ +B@
!@ -A 4K=M : = 6 . $, 0 0 ,& 0 ;O=
B@ , + - J C B@ A+2 AD - @ -A D ?@?E@C@D2
AD - B>C B@ +B AA@D2 A-+ +- E@ - @C,--U@D

$ 1(AD & - 10(8 @A @ O(&'31 !!H 8 @A @ L(&' - 8 @A @ =(&' 3, $ - 1 (&' = $ " * 8 @A @ M(&' ,! .(,! . *
KMK -A8 E--U ,m E--U U@J+ A @ B J C B +-
C@ -CD +B@ JC- @@D A. - +B@ U CU @ -A @

K -A8 B-> @2 8 (E> ,D A. A B B @ -A C@ B@,D 8D(,T(C--? ++ B@D +- B>C B A B B +B@ @ -A ?@@+ @ -A J J-C2 , + - @ J>+ D- -C +C , + +B@ @ -A

;QN; ,) ' 8;Q<N(OO; +@C +B@ C A. A. - +B@
!@ -A E@, SWO< A ! -++ ! $ (A+C-D 2
" D@ +B A-+ C@. +@C@D A +B@) @ -A E--U - AG -
+B@ A@ .BE->C A. J C B@ 4QQK ' 0 < $O 8@D O(
! &' 3< $ B AD -?@ ? CU@+ B-> @2 AD @ -A
B ?E@C - @C + S! S) < . ' ' (C$ S 8;K<P(KM
B@ B--,? +@C , U@ @ @) -A ,@CU AD JC@ @A+-C
Q<P $ 0 ,,0 ,& 0 4 P; ; B AD +B@ T)) -A
@CU 9 J D- A-+ E@,-A. +- B ? B--,? +@C $IJ>
) A ,, 0 (!@C ; K A +B@ @ -A
D G@ AD -+B@C - C+ D G@ SM-L ' 8) & '(. !!
2 0 V ' (8;M;Q(% E2 B E +B@ !@ -A D G ;P<<
8 &' $ ' & - ' 2 0 ' , ; OO >@C B-,, D G
+B . C@ + ->A @,, @?E,@D A+- .C@ + AD J ->
B ,,2 B B @ ,, ,, +B@) !@ -A B-> @ SM-- A $ .0
,0 &,0 C) 1!0 8;<NK(LK< B@G @C@ E DD +- J>++ -A
+B@ C E--+@ AD +- . -@ +- +B@ @ -A B-> @ ;M=Q)
) ' 8;Q<N(PP ,, 8B@ D - +@ , -?@ +- +B@
!@ -A B-> $ J$/ .(?&N" , ' SS 2 B@
C .B+ A. - +B@ JC -A 8 @ . +@a A@ C@ + +B@ !@ -A
B-> @ $;QN= 8 C! $ ((& < ' 0 7 U QN<
3 ;M B@ .C@ G 5C .?@A+) !@ -A & J@C ;QOK
) C &!!" [(8;QQQ(;K @CG ?-A+B,G # -A J J@C
C@ -CD - B ^ +B @ + U@C a @C @ ;KSQ (A
&,. $ 8;KLQ(, P< A +B@ + -A A@ @C + D- A
A +B@ W@ -A + ?@ @,D-? C @ >J

8 @) A(2 O 0 ,0 8 @@ ,W- / / (^

JC@ a $ ' 0 - EC A. E@ -C@ +B@ U CU @ -A
;K< ' & % $;OP 7 +B@C@ -A@ - >
2 +B + B D A-+ E@@A @ -A@D + ?@ . A

8 @ : A ,(2 ^ i E a

&@C+ A A. +- @ -A -C @ -A 2 $ O@,-A. A.
-C C@, + A. +-2 >JJ, @D EG2 U CU @ -A
4Q4P A : 5 ! -CD-A ? .0 &' (V 8;KKN( ) B@
!@ -A2 +B->.B+ + +- . @ +B@ ? @ -A , D?-A + -A +-
? U@ -A @A @ - -CD@C A. +B@ C C ^@+ a SKSS
8) " 3 $! A " AA - 0 8;K=<( ) . @ B@C @ Y
-A , + A @ ;) < ' - 0 $!- LNQ
B@ A> ?E@C - @ -A , J--C 8+B + 2 - J--C B- B D
E@@A -A +B@ @ -A' C-,, - -A@ -C -+B@C - +B@ +BC@@ J C B@
(A A@+G C .B+ $ /) 7 ! .0 % ,& 0 O=N
B@ -CD' + E,@ A-+ +- E@ JJC- B@D +B->+ @ Y
-A , J

E &@C+ A A. +- +B@ @ -A - , ->C+ !- , =+ J@C+ A A. +- J@++G @ -A 2 I> C+@C @ -A

K. , O= L !!((M= < !> B -+B@C J, @ 2
C@ ,- ,,G +> +@D +B A +B@ D @ -A , D -A
,& 8;KL<(LOM ! -++ E@ A. +B@A -A MA@
- B B-C+ !@ -A , + +- -E-+ -CD S \ ) ! # R
0 OK 3 G 8;K<;(bM B@ ++ A. -A +B@ I> C+@C
@ -A , E@A B U!!. & 'T (3 G M<L - @ + E, B
J@++G @ -A) D +C +

O@,-A. A.2 C@, + A.2 -C C@ +C +@D +- @ -A
- " -> @ - & C, ?@A+ C@ >CC A. @ @CG @ -A
;KL= 9 - . *B % 0) ' Q - - 0 8;KLQ(
;N= B@ @ -A , + .@ ;KLN Q !@J+ = ; " @ ,,
? U@ @ -A , ?-+ -A A +B@ " -> @ - %-??-A $ &&
= C$! 0 ;LO !@ -A , -CD@C + +B@ -??@A @?@A+ -
) E @ -A E-+B B-> @ .C@@ +- @C+ A -CD@C AD C@ -,>Y
+ -A 2 B B2 C-? E@ A. -A + A+,G C@A@ @D C-? G@ C +-
G@ C2 C@ @ D@A+,G A-+ A+@AD@D +- @AD>C@ E@G-AD +B@
@S + A. @ -A SKKM % < &) (& % &3 $" 6
8@D L(K; B@ !@ -A , D AA@C - @ B " -> @

2 8 @': A , (2 ^ ! !! -

/ G

,0 O G +B@ U CU @ -A
;QSP A : 5 !2 -CD-A ? .(&' (V I(B@G
7 @C@ @ C -A ,,G C@E> U@D2 + ,, >C+B@C .> ,+2 AG E@2
JJ@ C2 $;Q) ,,(" % 8;<NK(*% B@
JC@ @A+-C JC 3@ A. B -CC- -C B - @A @2 C@
D? ++@D @ -A ,,G ;KKQ 7 $- C$ & $! & . & Q
' $ ' 0 - > SMK !-?@ >,+ D@ ,+ +B @ -A ,,G
->,D A-+ E@ ,--U@D >J-A A- D G > @A+,G .C @
/ @CG @ -A
;KML %-S ' 0 ' 0 <& 0 ; S ;PK - + AD A. -?? +Y
+@@ - +B@ B-,@ " -> @ JJ- A+@D @ ? ,,G A- +

2 8 @ *DA C (2 ^E

a $1 a # -C J@C+ A A. +- @ -A -C @ -A 4Q- $ & % ,)! $ KM $)) 0
@ @C +B@ @S+ !@ -A CG / G 5 $2 4 4
=N; +B@ @ -A CG %->C+ @C@ A @ +@D +B ?-C@ D Y
C@+ -A CG) @C

E / >C A. 3 B E> A@ CC @D -A
4KLQ 61 !%3%& - $ &' SKK B@ @ -A CG
B->C - +B@ B-JU@@J@C
* $,(4=7 ! (0 0? R
N " Q V

?@?E@C - +B@ %->C+ - !@ -A
SW<Q $ B *&!(A 7 -DC- % 8;K=L(;M< 7 @ + U@
> A-+ +- E 3 *@ +G2 A@ +B@C +- +B@ A-E , +G - ! -+, AD
@ + U@ > -A,G +- +B@ !@ -A@C SM - # ! A 0
C " &) ' , ! ,& (M;L B@ D &C@ D@A+ AD
!@ +-A C @ C +B@ @ B E + >J->A +B@ +C@ ++ - D AY
E>C.B AD>C A. +B@ +G ?@ - @ ->A 4M=4 ,0 , $ 0
8;KS=(=NL ; AD A GU@ ? A@C +B@ @ -A@C +B +B@
D) AD JJC-E + -A J +B@ ?- + J C+ - +B + B-> 2
@,@ + -A@ ? D@ A +B@ A+@C C , B ,E@ ,,- @D -CD ,,- @D2
;MPQ # .6 B ' ' 0 ,& 0 " J 7 U ;KOP :: ;O<
B + C-? B@A @ >C+E ^;MOMa AD *>D.@ -C @) -A@C B->,D E@
JC >@G ->A @,,@C

/ A I@?E@C - U CU @ -A

;M=L O-GD &' > !&2 8;KPP(JJ =; O B +A-A@
A +- +B@ !@ -A ,- + + ,, +B@ !@ -A@C E@ J, @D X+MG-
1 .) 7 &) 10 0 80 AA +GA@ 8">E(: ;QL ,U ? A Y
+@C B @ A. A@ C>,@ A. @,D@C B- @A ->+ - +B@ -C+B @ + -
+B@ @ -A@C - B *JC@ E +@C @ SMK W0 - . A !&) 8
' 8;QQK(.. B@G A- C@ @ -A@C +- +B %>C +@
;MKL A 7 D - ( ) B%0 0 ,& 0 8;QOO(L;Q B + +B@
3 A +@C . @ A >J-A # +B + J +B@ C !@ -A@C 2

ʾ 8 @ :DAX(Z *(' !$' (^ ' &' 'J '
- ' ' (6' $' 0 -' -? ? +' 8 ' J@C -A(+-'
+B@ @ -A' -C +C ,
;) Q' ' = :9'C$ '2 .'<&! ' A' Z ' ?' +B@' -A,G'
B J' +B@G' ->,D' JC- @ . A + ' B@G' ->,D' @ -A' ?@Z
E>+' @D' AD' &B ,' C@ @'@A->.B
! @ ,# +' T $!0 , -' ,@' ' 0 -' ? - @
>A@ ,GZ D.@+
SD<P : 'C$ (' D(,- ' Z $ L $! ' A'
9@A+' +-' !' E->+' '+-' B A.@ @ +' @CG' -+@A' ;KMP
< ' & ' 0 & ' 2(A' " '!0 &"(' (& ' (
JC'PO \ ! 'X '? - A.'>A@ ,G' A' ,@@J
+' ! @ ? @A+' 1 (, -'M @ 8 (Z M Q' @ Z
@ @ Z K@ X8@(VZ Q' @ @ Z @ X@ ' ^ JB@+ ' '
' 5 -C' +B@' C + -A'- '
I> A+ +G' A' +B@'C--+ - @,' ' 'ba f' R
' ,' C -> ' @A @ ' , -'$ 1(
; PLK' A' & & , 'C$ $' '8;KPM(;K' @ ?E,G' +' 0, U
5CG@C Z ;<' 3 GZ ;PLK Z @,@ +)' # @C ' ' !@ ? A+' ;= '
%B C.@ Z 0)' @ ?E,G' +' >G,DB ,,@Z <' 3 GZ ;PL<Z
@,@ +@D' # ? @C ' ?+' M' M) a %;P=N' CE - * &" & (
8% ?D@A(OL<Z ' ? C ,,' .C@ +,G' +B +' G->C' D' ? A-C' B-,D
E@ -' B+.B,@G' B C.@D '' ->,D' A@ @C @'A-' C + A.'- '+B@
@ ?@A+' +B@C- ') ; P) A' ,$ " ' '$ 0 8;KKK(JJ' ? ' '
;LP' 'JC@ @J+'D C@ +GD' +-' +B@'%C +@ - ' -AD-AZ -C' J GY
?@A+' - '+B@ C'!@ ?@A+' A+-' +B@'J--C@' ;PQM ' (!500 '
;N' e' P' 0G' ' S -A' AD'!@ @ ?@A+' +' -A@'%->C+@' -C' @'
D G@' L=K' 0 +$ S' & 0 $ ' MZ ' ->,D' B'
' .@A@C? +' @ X@ ?@A+' +-' E@' ? D@' J-A' @>@G'J C B' SM - '
') ! 2 & ' ,,0 8%B@+B ?' ! - ('0= '&'D' EG' B ?' -C'
@ @ ?@A+' +-' U A.@' AD' B>C E@' +B@C@Z *b' *)' ;M)M - .3'
!$ ' " (S ' ;Q<' A' -+B@C' @ X@ ?@A+' 'G->' . @' 'G->'
C@' A' +B@' 9 A) ' E--U ' ;) Q' A' C&! (?$! (&- - 2(
8&@C G' ! - ('L=' B@' @ X@ ?@A+' -C' +B@' ,-+ ' AD' >E GDG@ Z
B@' @@U,G' @ X@ ?@A+' ' -C+B@' +C A@D' E AD ' ;MMM Q' = R
3 . ' & 0 7 U ' 8 C- C(' ONK' #>C' "-> @'G@ +@CD G'
J@C @ +@D' +B@' JC- -'- 'LKN2NNN Z - '+B@' !@ 6@A+' 0 ,, ' H(!1 (
ON< 0 ,,' - ' @ ?@A+ a
! @ -A@Z' - ?Z -E ' ! ' -C? ' - ' ' 1(
+! @ -C ' 1 0 ^ JB@+ ' I' ' % '
Q V' G' ' A' C -> ' @A @
;=K;' & ' "' '? .0 =K;' B@'A ?@' - ' @ ->C' ^- '
' C ,@ Ga' ;=<M' &!! '8 C$! 0 ' P;M ;' B@' !@ ->C'
AD' #CDC@C ' A'@ @CG' - '+B@' D'% +@@ ' AD'0-C->.B ' P Q K'
,0 ($ "'$ ' !! L=L' & D' -C' +B@'DC AU A.'- '+B@' !@ Y
->C' '- '+B@' ,@CU@ ' .@ Z "D' ! < K- ' ('C!) $, "'
C0' - !0 8;P<P(OKO' B@G'^S '+B@'%@A -C a' E@' +B@' @ ->C'
- '+B@' J@ -J,@Z AD' +B@' ?> +@C' +A +@C ' ;M=' ' (,!(
0M' & - - 0 O<' - 'P -'A-? A +@' !@ ! -C' -C' +B@ ?@
% +G' AD' 0-C->.B' 4QS L' 8 6 '" - !0 &' !!$'O< : A'
7 @ ' , -'C @D' S+G' + A@ '>J-A' ->C' - A' ! - @+G' E>+' '
? D@' +B@?' D-' +' EG' @ -C 2' AD' @' ++@D' ->C' + S' +-' +B@'
@ @C ,'@ + +@
! @ J - - ,Z ! @ + >Z C' ' "1 .!' L !'
! @ +8@Z -E ' 'J '+' AD' J 'J J ,@ ' - '
);LKN 'C) - 1(;N;Q' J@' ! C GA ' ,@*@' \' A-*+' A@' @ +
;= ' C&! (!(=' & 'C& - '8;<NL(;LQ' # ' :V M >G @ - +'
E @' ' @ +@
! @ +@ ' -E ' -C?' - ' L
! @ +@C' 8 @ +D (' - '-A,G' 0 , -'=' @ '
C@Z @ +@CZ M' @ +@CZ @ +>C' ^N I ' '8 , -'
&5 +' AD' 5' C(5 '
) - ' L !' L
% '#! ' & ' % /> ' ' 3 '
# " ' $ ' AD' 5 $ '83 " ' ' AD' ' '
' ' +0 !@@' , -' 1 V
' ' @ @,' -C' B-,D A.' , I> D' A' # ' ' * CZ
J + B@C' A' 3 ' 'EC@ A. +' 1 (
,'S---' .1 '<!& (A'7 C 7 , U@C' ;OO LN' - & $(@ +@C'
- - -] ' %) 'HH (SM @D@-A B@+' B@-C ' @, A@)@A ? A'
AA@' @?+) A@' @ +@C' - WD)@' AA@' @+@CE>' '+-' B ?'.@ AA@'
-C ' %4L=;') $ ' ' P=' A'O A-
!@ +C@' ' + 'D@'A- -'JC-'EC A Z & 0 ;L=Q K' 1 0 P=M A'
0 %@ +C 'A- ' +Z @+' @CC-', . ADZ JC-'EC A Z O 'S S)
/ ' , I> D' ?@ >C@' -C' E@@CZ A@Z @+
A'# 'C@AD@C A.' ' - &) (,$) ' - $(AD 5 $) 0
<N< A' B-CJ@' $ '8;KMP(;PK' @,' @-S+C@'E@-C '
)<PN' ' 0 <& *0 :-BA' ' M' !+ @A A-' ++- A - ?@AD@'
GADC)@' @ +C '+>-@.@') !' C@' ' (<& *0 @,' @' -A'
+ @ C ' @ +C') ?@+@' -! @' -A' BC@-C a' ,'S---' $5(, 0
"' '<0' @.@A' @ +C@' J AZ \' + @.@'B>A @ '\' BC@' @ +C@'
@ @D@ Z \' @' @ +@C' @ ,' @) A' + ' J>AD' ,' ;==N'C$!!$ 0
&'') 10 '=;N' A' B ,' ' @ +@C' m ' - '$ -]' .@D' GA'
D-' B U@' ;=<= A' &) .0 (8;Q<N(;;L' B@A' G@@' ?> +'
.- @' +-' +B@' @C A+' - '+B@' @,,@CZ AD' '?@'B ?' +- U@'
C@ D @ ' ? AG' @ +@C@' - ' A@' 'G@@' +B AU@' ,,'!@C @'
+B@' J@-J,@' ;POK' & ' "' '? .0) M' -'EC>@C' C-?@'
E@A >C+B' B ,,' @,,' @AG' ,@' +B A' +B '% + @'EG' +B@'%@ +@C'
E->@' "' S) - ' ..)' $ ((' &' "' -"'
00'B , @' @ +@C
E ' ! @ +@C J@AAGZ ' ' B C.@' ? D@'>J-A'@ @CG'
@ +@C' - 'E@@C' EC@ @D
;LOK' A' 5' 0 4 , 'ONL' @CG' -J @B-,D@C' +B +'D-@+B'
EC@ @'B@C@' -C' ,@' +-' @,,Z B ,,'J G@'G@C@,G' J' +B@' ?-A@+B' -
B C @ +' -A@'J@AG@' ,,@D'%@ +C@ J@AG@
'DCG'? @ >C@' -C' B@ +Z @+
A' ?-D'> @'-A,G' (+B'C@ @C@A @'+-' 0 0' &'0 A'
;N=LZ #A' B >?' ? -CA' 'DGC@' @' @ +@C'
B @+@ '@-D@' +- ,S' J@A@*) '\'@ ' >C!-C
,'4NPN &,0 A'7 C 7 , U@C'=== =' - "B@ , @ +@C' ;' ;=) '
C$!!$ 0&'') 1(';=K' ' @ +@C' AD' '@?G @'+ U@' # '
@A>@G' @@D' ;QNQ' 1' - . 8)' &'(C ,0MP' '!@ +@C
-C' ! @S+ C>' ' B +' @'A- ' ,' 'F> C+@CZ -C' ' ! @ ?Z
-A+ A A.'K0> B@, ' ^;K=K' ''+C' &'0 =L) a
! @ +@C' @'8 @ +<: ('& ' @ +@C @ '8 @) +D* X('
, -'* 0 M Q' @ +@C @ Z Q' + @ ' ' (Q') +@C- @'
^ D' ') 'JC-J@C,G' D*'8 ' ') - -) ' - A(
+B +' '+ -' AD' ' B , Z ' - ' 0G '
+B CD' ' * B " V' '$ - ? A' - AZ -C . A ,,G'
@ I> ,@A+' +-'0)' @ Z , +@C' +-' =' @ '+B@' ->C+B'
J C+' - ' ' B

* 0 ;P<K' < 8 ' $,) "' ' Z 8;MOO(:OQ' &>+6A.'
'B>ADC@D' ? ,, -A' @ +@C @' A' E) U@' SM-S 0 ' #
C& $ ' ' M=' 7 B + D-@ '+B ' .@A+,@? A' - @' +B@@Z
, ++,@' 3 A- '+' '&(5->C@ -C@' ! "' C' M S'] '%- '
! ' ' ? " @Z + ?@'%C- ZZ ->,D' B A@' U@J+' 0 -+B' @G@ Z AD'
E@) @' @ ,D' J2 -C' S@' @ +@C @' ;MO=' B '$0 '
' '8@D'0(OMQ' $ A. '-A'E ' A.@C' -C+B'ONNNN @ +@C @ '
4Q- ')) $!' 7U 'bMM' '+-' B +Z ->,D'
C +B@C' B- - @' +-' ->A+' ->+' '!>?' A' ! @ +@C @ Z +B A' A' J->AD'
-C A.)' ;KLZ 'C& - ' ' A' DD + -A ,'C@ -A'
-C' >JJ A.' +B' B ?' B ,@' +B@' @ +@C @' , +' KK ' -
$!"' 0 P 'C-E@' - @C@D' +B' J@ C,' AD' @ ?@C ,D Z
B B' B D' - +' -C+G' ? ,, -A' @ +@C @ ;KKW 9')7 '
&' ' '!@@Z B@C@' ' @'G->' -B>ADC@D' @ +@C @
' 0 SM-S' # 'C& $ 0) 0< ',' @,,'B@?' ?G' B C@'
-C' ' @ +@C @' ;MPM . B '<!& & 0' , (0
;QQ;' ' A'C !0 $' 0 4 =K< B@' , 'C@D> '@D'
+-' -A@' ->A @Z AD' +B@' , @C' D@A C> ' ? D@' +-' J ' -C' ;M
H' +B@' I> A C > Z -C' @ .B+' AD' +B@' @ +@C @Z -C' ->C'
;KPN = 3 . ' &-0 - *0 S '8;KMP('LLK'%- +,G' C'
B D'DC A@D') CB J '+-'+B@' , +' @ +@C @' +B@' - '+B@'
@?J C@' SKMS 11)' $!!'8 ' &- ' '<K' / @ + +>+@' AD'
D@.C D@DZ +B->+' ' @ +@C @' AD' +B->+' 'C @AD
"3 > @D' -C' B
;M<L' " '>'") '$!' '8;M<Q(QM)' B@', B' !, @' ! S'
+B-> AD' & @ @' -C' 'O CE@,' . @' '!@ +@C @' -C @ B'
&->AD' +' @ .B'D' ;KS<'C$' &!& $' '! - ?@' >B-C' ? U@'
+ -'U AD ' - ' @ +@C @ ' +B@' ,@ Z ,,@D' @ +@C+ > Z AD' +B@'
.C@ +' -A@Z ,,@D' @ +@C+ >?
+'! @ ! +@ ? ' 1 0 , -'P -@) +C-AZ 9 @ +-CA@Z
@G + ? #(!' @ +C-A ' ^ C' '& ' '(
C'8 ' !@@' , -' . %'
;= ,+' & ' "' '? .(OP B +' A-'EC@> +@C' @,,'A-'D@CC@'
'%@ +C-A' ,@' +-'B>U +@C E>+' -C S ->' 'D' ;PNO ' .)'
&'0QO E 0 B@' +-AA@' -'E>CD@>S' B-,D +B' A' @ +@CA@'
S *' @ +@CA@' B@ '@ +@?@' *' , -A ' ;PL=' A' !B CJ'
& (" 0 8;KOP(;KL' '!@G + CA@' \' 'B ,@' - ' @' *' 0 @@'
;MKO ' ' " (' ' ;P @CG' !@ +C-A' '=' . ,,-A Z
! $ ' ' #
á ! @ +@A A ? ' 8 @ +e **) ?(' &Z @ +@C+ '
) 5 + :' 'M (/ / / ' $' KO$/
2 (' $ $) - ' '
) ' ') 1 ' ' - !!' ' I
./ ' $ $
B@' > @' - '+B@' A.Z A' +B@' @A @'S---' @ +@C @ Z B B'
?> +'-A' +B ' @ 'B @'S +@DZ D-@'A-+' JJ@ C' +-'E@' ->AD'
A' +B@ , ' +B@'J ' -C' '+B-> AD '- ' @ +@C @ ' ' -?Y
? -A' #A' +B@' -+B@C' B ADZ +B@' .@A' J ') - (+@C'
' '+@A' + ?@ Z , ' ' 'B>ADC@D' + ? @ Z ' >@D' +B'
@,,'J '-' ' ' '$' - !! $'8);NN2NNN(Z AD' B@A' -'> @D' '
! - ?@+ ?@ '+C@ +@D' ' 'A@>+' ,>. a
' > ?' - ' '+B-> AD' @ +@C @
I K' . ' -$ '<& (SSS'8;P==(Q;'EZ >@CG'
8 B B' A'@ +.,G B' ? -A@G' - '-,D@' .C-+@ ' ? ->A+@+B'
+-' ' ,' S ' ' 'D(' 4P=<' 7 ' < ' 0 $!(OQ EZ
&, A @' @+,>' +B +' B@' ?>@ .B >A @' - '+B ' +@'*C 8 I> '
%, >D a' D D' - +)' PPP' +B-> AD@' @S+@C+ ' E@' >? ?@'
? ->A+@+B' +-' ' ? ,, -A' AD' 'B>ADC@D' +B-> AD'
J->AD@' - ') >C' ?) @G' ;P<K = 'C$!'$ ' $- $' +'
OK=' EZ # + ? ' . >@'B ?' C. ,a' -C' ? U A.'OM @C) Z
' 'J->AD Z +-' +Z +@AA +' ! @ +@C+ @' -C'@>@C,@' @C @' ;MNL'
0 ':-$!#' ' *$- ' ' Z B@C@' '@A+,@? A- '$-?@' ->,I'
E>G ! ' ' CE>A@' J, @Z ?G -CD' (7 B +' ,'B@'
.,>@' $ (5 ,@' !@ +@C+ 4QQN 7 'C!) $,

;K=0 (- V ' , (' !$ (' D0 KQP' 6 J' +-'+B@' + ?@ '
>.> +> +B@' @ +@C+ > ? K' ;Q' ' +@C' +B@' C@ .A' - '
>.> +> '+B@' @ +@C+ > ?' SM'L
? ! - +@ C C ?' , -'Q' - 0 @S 2
+@ '& ' @ +@C+ '8) < (' ^ ' @@' KV'
KG
A' +B@' C + + -' I> - + '%B@ -C?' JJ 'C@JC@ @A+ '+B@' +'
'J
) ' 'C$!('C! $ 0 ZS6 Z ! B@' @A+' -A@'+ -'D@J >AD'
2S '%' !@ +@C - ' - ' >@C' 7 ' $ ' $!
,SS ' ;=L' A> ' %@,@C J D KNNN !@ +@C+ - Z B)B'
+@C -A + , ' ->A+' ' ->C+G'J->AD' +@C, A.' L% ' .R
: ')' "'S+ ' ;OL;' @A+ @' ? ,, -A'- '!@ +@C+ *' A SML-'
: ' 3. '8 7 +@C & (7U ' 'MM 0 A' Z ' / C B? Z '
!@ +@C+ @' $'S ' 3 . ' $ "' 9 3 G' ;M=PZ B@'!@ +@CY
+> ' ' ' ? ,,') @C' -GA@' ? CU@D' " ' ! ' -C' C +B@C' bZ
'>D' 0 J->AD' AD' B , '-+ , @CZ ;KK=' ' , " !(? 0 4 ,,
MPL ' 6 AD@C' !@ @C>' ' ,@S AD@C' +B@C@' '+B@' , +@ +, C.@'
>@-'D@A C' AD' @) @C+ >
/ ' 8 @ +@ +(' &30
@@'A@S+' AD' " !' " !' AD' ' L V
') 0 ' -? J- + -A' -C' S' - @ ' -C' A +C>Y
? @A+
SK-' B ' L 0 '0 ' &0 -C' 0 ;KQ=' B . '
0 & - '\0 B> ' C@' -A +C> +@D @ +@++ Z @J+@++ Z AD'
-++@++ ' 4KKL' < & > ' 0) (' =QP 0 A +C>?@A+ ,'
@ +@+ ' C@'N;' + -'U AD '+B- @' -C' +C A. ' -A,GZ AD' +B- @'
-C' C -> ' -? E A + -A' - ' +C A. Z AD' AD'J A- -C+@'
/ ' C & 0 B@' $ + S', A@' - ' ' -AA@+Z % ' R
3 !' "
$'$ /0 ' ' B '? .(&' ' '8;KMQ(;N B@'3 A-CD -A'
^- '+B@' + , A' -AA@+' -A + a' - ' S', A@ Z ,,@D' +B@' !@ +@++@'
SKKS ') - 'K # +'=P< L' B@'C@.>, C' -AA@+' - ' - + @'
AD' @ +@+ ' SKK ' $, - ($ 0 5@E' LOP B 'CBG+B? '
C -A- -'+B@' -CD@C' A' +B@' @ +@+' CBG?@ ' SK)' I'<
(V E V $ 'Q' -' >,+' A'E@' ->AD' +B' +B@' +C> +>C@'
- 'B@C ^ 3 C 'OC- A A.' a' - +@++ ' AD' @ +@++
, ! @ +@) + -' 8 @ +@ +D(') (^ + Z ')= N S+B'
8] ' 5) + ' i'D ? ' > S'^ &H T' '
XK-S' ^ @@' ' #' $ A& =) 8 ' &' 0 ?" &'' '
OM;' +' +B@' ? - ?@A+' B@' ' +@A A.' +- @ +@++-' A' 3 G@C' '
-J@C' - ' T ,@A '' ;KQ<' 71' % '8;K<;(" 'O<=' B@'
@ +@++-' +' +B@@AD' -'+B@' @ -AD' +' J,@AD D
d 9 $ 1 0 A' M Q' @ +G D' ^ D' C'
! *> ,'Z D! - '83> @A (D* Z ' K ' +@+> Z' '
+- A' -A' +B@' "@,,@ J-A+

6 @D' EG'%B J? A'8 +)' ! $ +' '+B@' + +,@' - '@ B' - '+B'
S'D -A' - ' & ' 5$' '8 A,@G' '@D' ;P<K(' B@A @'
A' +C A '@A @'E@,- (
' 2 ' ' (' ' 3 ' ' ' $
;M=M ! ' 11)'=* ! +' B@' ?@' / J, G@D' ' S' !@ Y
+G' D'
') (9 .$ C & 0 ' ? ?$ $
K $/ $ & ($L ' ' ((A '
) 1 ' 3 2.' 1 ' '
A ' / ! ' ' / '
' 3 $
c <' <B ' ' !(" - ' 3$ 'LQ0 B@' !@ + A- '
+ @Z A @A+@D' EG' CA >D' / A @,Z +B@' C->E D->C' @>,-Y
. @D' EG' / A+@' AD' &@+C C B' ' ,",!0 &*(4 4 '
K;K ;' + ' C-?' +B@' &C- @A , , '$O&' +B + 'B@' + , A'
D@C @D' + B@ C A D' ' 0]' % _ ' 6 8 'C& - '
' ?$!!0 !@C' 'MN B@'%- ?J, A+' - ' 8 / ->E,@' !@ + A (
SKK- ' 8 33 ' A' $, - ($ 0 - ' =<' B@' @ + A ' '
D A. @C-> '@SJ@C ?@A+Z -A' B B' -A,G' J-@+' - '+B@' C +'C AU
B->,D' @A+>C@' c &MQ 1. 7' ' $ ' ;PK' 4 ! +' !@ + A '
- '+B@' +C ? J C-G ,
) .$ C & 0 $ ($0& 0 0 ! ' (
$ $ '$') ' $./ % ' .' Q $
$' ;PKM) ' ,$ $' ' 8;P<K(O ?' -' JC@ @A+' 0 ,> '
+B' -?@' -+B@C' - '+B@ C' -?J, A+' , -. >@ @Z AD' C +'
+B' +B ' D->E,@' !@ + A@' 61 0 ' =OM #A@' .@, +> '
C ? A.' A' A >@C ,,' -?J, A+' A' +B +' A >@C ,,'? B @ @Z
++@C@D' +' A' +B ' !@ + A@' (M(' 7 !' ' (' !@ + A@Z
-C' + AX-' - ' S' @C @ ' ;KQ< ' - @' 2' C& - ';PQ
? >+Z .C@ +' ? +@C' - '+B@' ,-C@' - ' ,- @Z 5 C +' C->.B+'
@ + A@ ' + - ' A' B ' , DG' 'B@ C+
! @ + - ,@Z ' ! @ + - ,@ +Z' - ' C' ' L . !" '
! @ K + - 8 > (? @Z' -E ' -C? ' - '
;PQQ 0Z < 7' 1$, ') 10 '8;PKM(OK EZ 3 G' 0 CY
,@G' ' GC +' +@@J@D' A' '!@ + -CA@' - ' +@C' D G' -C + - '
;) L' ' 0 A' .@' ' $ '8;KOO(OQ #A@' .C@ +@' -JJC'
@ +->CA@' +-' + AD' +' +B@' - - E CD
! @ O +C@Z' -E >C@' C A+' - '
$';LNN (0'C $! ' SS 'ON 5>, ,,@D'@C'a '(V'J +' @ '
+C@D@'H ((@ +@C@Da' @C' A' ? CU@A@
! @ +C - A @Z' -E ' -C?' - '
5 &,. $' .$)10!8%B@+B ?' ! - (';;'44Q< +@?'
- - A@' .C@+@' ! @,+C-A@' - ',@DD' +'SS' (
' 8 @ + b J (') 0 , -' L B ' ^ '
$ &' S+BZ' +@C' $, ' @ +@+
(M' ' ' . . 1 ' $ $' ' ' S ' F> C+@++@ Z @ '
+>-C Z I> A+@++@
! @ > A 8@Z' G A 8@Z' -E ' -C?' - '
') ./ 1[' ' '] b' / < M /)M
./ b ') 1' 3 ' 2 ' :
/ K D ' c' 2 2 ' '3!$ /
' 2 ' ! $ ' ' ' ' **!($0D ' 1 '
' 1 2 ' ! ' $
)# 'B D' 'A@>+ Z @ + FA' A. Z J, @' - ' @ ++ A.'- '+B@' >A'
A' J ') "' &)' -,,@ +Z A' +B@' @A @' ' ?JZ + E,@' -C' - Y
B-> @(Z -CC@) '+-' # " ' 'A@>+ Z @ +' 8 3 " ' 'A@>+Z
? Z @ +) @ .@Z ? -D ' '? Z @ +(Z # ' 'A@>+Z
E-D@' C# @>+ 'T &0-('T n' @@' ' ' +' 'D->E+ >,'
B@+B@C +B ' >C @D' E@G-AD' # '+B@'C C@'@ C,G'3' ' ,
) +' JJ@ C '+-'E@' 8 '+B@'CBG?@' B- ' A' -A@' A + A @(A'
CC@. >, C' J@,, A.' -C' 1 ' !@A @' ;' E@,-7' A'
B CD,G'B @'E@@A' A ,>@A @D' EG' +B@' # ' -CDZ '+B '- >C '
8 A' A. (-A,G' A'JBCZ@'. ' &' ' '8 f' +-' @+(Z AD' +B@ D + '
E' ->,D' B @' E@ -?@' ' A' @ C,G' 3 ' 8(A' +B@' -+B@C'
B ADZ @A @'S ? G'E@'J C+,G'D>@' +D' A' D-J+ -A - '# '^ '
A@>+ Z 3 $' @CA' A' $ '!$ (3 $' @@' B D!
B B C@' -. A' +B' # 0+
/ G ' ' ' ' ' ' ! ' $
$ G ' ' ' ') ' ' 2.D ' I
' ' ' ' ' 3 2 ! ' 1 ' '
A ' ' ' ' ' $ - 1'
Z * & ((' ' B
,'4L3'8 @@' $"' (+V ' 1(O= ' ;L<N< 8 ' &' '%0 'OPQ
$ B+' @ @A@' >J-A' +B@' ! -AA@' @+' A' ;=NN PN $ ' ! 50
ON=P AD' -'+-' @++' - ' -A' @ D']LP'A@>,C@Z ;P<O '
&' * 0 & $ - &') H (8;Q;Q(L<' B ' C 3 -CA A.'B D' '
B ? @ >,' !@+' ;P<=' $', ''A,Sa' @,,'?@Z '@>@C
A @' +B@' -C,D'E@.>AA@Z ! -' C@ '? -CA A.'B D' - ->,@' '@+'
' ' 0 (' 'O<0 0>+' ^+B@'9 A. a', U@' ' I>@GZ
-?' +B@'$ @'8-' ! @ +Z ! @ +@ ' A' +B@' @G@' - '5B@E> ' ;MNP
] ' $,1(' ' B +' ,'E@' @C@' +B@' @+' - ' !>AA@' (M '
1 & >'< & (Z LMM B@' !@>@A + C Z AD' +B@'
5 >\' B +' + S+' +B@'$,,'B-?@ Z + '+B@ C' @' CC >@' cMb]'
MM ' 'C$ '0 8;MQM(PM< B@' !>A' ' ,>@'
B->C' C-?' B ' @+' 4QQ=' ' &' S Z 5C @' +B@'
>A' 'CG A.' +-'B ' @++' ;KSO ' $' (C) 0 S A 'KN
7 B@A' +B@G' - '$- ?@'E@B-,D'B ?' ^+B@ >Ad' + B ' @+'O@+ S+'
! CD A ' AD' +B@'%-C ' ,@' ;KL= = ' ' $! '
SSS Z B@' >A'B D' ,C@ DG' ? D@' 'A@CG' @+' ;K=P B '
') ' < $') ' $ &' '8;K=M(;L' O@+ @@A' +B@'C @' AD' @+'
- ' A.,@' >A
! $ ' ' & %' $ " D =$ +' ' 1 '
D)?.' ' 1 $
;MOL' 'B !% ,' &'' 0 ' 0 ' 0 / @D' S ' B->'
B ,+ S+@AD' +BG' @C' C-' !@+' +-' !JC A.' ' -'D G' ;KLN
! ' ' Z --U A.' +' +B@' @+' - 'D G' ;KMK
(' 1 0 ? & 2 ' ' 0 ;OQ +' @+' - 'D G' 4KKP <=
$ ') 7 & ' 'C " , ' 3 C' SS Z --U+' ,@ +' AD'
C .B+' +-'C @' AD' @+' - 'D G
$ % (' $
;MOP A' $> B ' (&!!0 8;MP<(;PK' 1@+' A' +B@G' A@ @C'
D@AG'E>+' +B +' D? C@D' !@C@A +G'B D' + ' @+' A' '%,->D' ;MLW
V A $ '(<!& "';L' AA Z E@ A.'+B@A' A' +B@' # D@A +Z
-C @+' - ' , @
: N$ Y ' ' ' / ' / I
$ 1 0
;';LLN $' B ' &'0 $, '8$-,, (;PMPK 7 GE' % D'
,G' -'B CD@'B@' ?@+Z \' % D ,GA' @G' ++@' @C +@' @+ '
' $ O / $,0 (
%]<&' $ (@+ ' '0 8;KQ;(M=' ! ADCG' D@' B C+@C Z
+ U Z AD' @++ ' - ' @@ @D-C?@' ? D@' +-'+B ?' ;=Q;' '
( ) & '8;KL<(;= O V+ B@' ,'B > 'A 'D ,@' A-C' @A

+C-?@+A.':(C +, +B->+' V+ B@' -J+@A@' + U' \' @+' B C-
;=QM 1$ '=; ;' / > D' ,,@) AD' +' D', AD ' - ',-.G
C - B'E@, A. +'B ?'E@' $@ -A@' - '3+!' ;)L' 5, (&!!
,&E' 4 4 ' PM= B C' ' A@' @+' ? D' - '+B@' U A.
? *@ + @ ', AD V ;MNN : ' = .3;..') & & 0 '@+ ' 8;K=O(
O@' B-?@'+B@G'? .B+'.@++' 'A@ ' @++' AD'J- @ ->A' - '+B G'
+@ AD' B@ ' C+ MLQ' 1 8 8)' 0' 0' ,& 0 8;MPP('
=PO' " @' B->,D'A-+' -) J D +@' B ' O@A@ @2' A-C' ? U@' AG'
@+2' -C'D J- + -A' +B@C@- ' ^;KKM' , '=< 'PN' ('PN' e' L'
' @) @' '^A'+B ' +a' B ,,' A ,>D@' + U' AD' @+a

E ' 86 > ,,G' ' ' ? A A.' ,@ @' %B @ ,G'

& '2$!!0' 8% 'O; (

;QSL' &' 0' <$ 0' - 'P;=; =' B@' !@++ 'B@C@+- -C@' ? D@' -
+B@' %-JJ@C -CU ' ,,' D@+@C? A@' +' 3 B @,? ' A@S+2'
QQK' C 5 '(& ' 0' LOM ' !@+ -?@+ ?@ ?J,@ '
+B@' D@@D' -C' ,@ @' EG' B B' +B@G' @A*-G' +B@' JC@? @ ' ;KPP'
6 .)' & '2$!!' O=;' B@' @++2' -C' ,@ @2' C@I>@A+,G'
@S+@AD '+-'+ @A+G -A@' G@ C

$ 1(S!J' $1&) ' &- - &'' ,- 2' 'D)$ ' '
A>?E@C' - '? A@ '-C' I> CC @ '+ U@A' -A',@ @

! ' ,& ' $20' B@' + -A' - ' @++ A.' +-' ,@' 8 @@'
I>-+ (2

$%OJ' ' ' 0' $2' ,& 0' 'S '8@D'O(;LP' '$->J' +'+B@'
B ,'-C' ? *-C'J C+' - '+B@' # A@C ' . A +' +B@'C@ +2' -C' '!@+' +'
6AG' - '+E@# A C!' A + A @' . A +' +B@' B-,@2' @ +B@C' +-' + U@'
B 'J C+' +' > B' 'C +@2' -C' ^@+ a' 7 ' ..' 0' $2'
,& 0' ' ' '7 B@C@' +B@' - A@C ' - ' ' B J' D .C@@' ' +-'
+B@' ? AA@C' A' B B' ' @ -,' ' +-' E@' @?J,-G@D2' -C' B@C@'
-A@' - '+B@' - A@C ' 'D@ C->' +-' @,,' B ' B C@2' E@' 6 > ,,G'
- ,@C ' +2' +' ' @C+ A' JC @2' +-' +B@' -+B@C' - A@C ' AD' , A.'
A' @S+C *>D ,' CC A.@?@A+2' A' + -A' - ' @++' ' -?J@+@A+'
+'M ' B@' -AD + -A' - 'E@ A.' +-JJ@D' -C' B@ U@D'
' B@ U' &BC2' $ '$' ' +' ' + AD + ,,2' A' D B'
A,+ 2'A-AJ,> @D' 8 ' ,-@(' $ '&5' & ' '
' @C -> ' B@ U' -C' @+ E U' 8 'JBC' ' ' .
;MSL' B 'C ! - $ ' ' 2' O;;' #>C' >,, . ,, A+ '
B-' ->,D' -?@+ ?@ ' E@' +' ' @++@' A' +B@ C' BC >@' AD'
EC >+A.'JBC @ 2' '+B@G' B->,D' A-+' B >@' C @+ @' - ' - +B@ '
AD' >C @ ' ;M= '7 ' 7 ' $$-$'' KQ " @' ' +' ' @+2' AD'
UA- 'A-+' B +' +-' ? U@' - ' + ' 'SMK-' -0' 0' , '
@+ ' 8;K=M(OM' 8 / / (' B@G' @C@' E-+B' . A +' +2 B B'
. @' ?G') B ' -C@' @+' 4QP+'^$ ' . Q' 'C 0' !. ' '
S 2' +'C- @' -' +@@J2' +B +' ' +' '!@+' >J-A' +B@' C +' AY
+C A @' 4QM< $- ' ! & 'm;QK<(=P' C@ +' ? G' +B@' B CDY
B J ' +B +' B@' B ' ?@+2' -++@A' -C' ?G' U@' -' E CD' '
@+' 1 0' QN2' ' B AA '+@,,' G->2' " - ' D' +B@' @+' 2' +B +'
?G' B@ C+' D D' .@+

E '?&2!(8!@@' " $ ' / , ' "' N $.

;KQM' ',",!0' ? 0' 2' ;KN O' ' 'C>E' " -C' ' @+' " ')@A' '
* U' #5E- ,2' '' $' ' @AA@ ' ,' -A+ +' +B' AG' -E*@ +'
-A' +B@' .C@@A

+'N' .0' 8!@@' I>-+(

S)L' 5; ONO$ /' A' C !0' $ 0' ' ;PM' B@' +-J2'
-C' @++2' .@A@C ,,G' A', C.@' @A. A@ 2' B@A' +B@' @AD ' - ' +B@'
,@ @C' -?@' +-' +B@' JC A. 2' ' ' D@ @ +' +B +' B ' E@@A' @AY
D@ ->C@D' +-' E@' C@?@D @D

B@' +' - ' 'D-.' A' @++ A.' . ?@' 8% ' ;N' ('
$>A>' Y/YNFY :' ' (' /-.' +B +' ? U@'
'BA@' @+' O>J>' ' $ "' - * 0' 8;Q=<(' LN<
B@ C', ++,@' /-. ' ? U@' ' !@+' +' +B@?' A' +B@' 3 AA@C' -
!@++ A. /-. ' ;K<Q' ?$ - ' &'' $ 0' JC' ==K' ,,' G->C'
) @ '+ A.,@' 'G->'. -' +-' +B@' @+2' AD' @A ->C .@' +B@' + +>@Y
, U@' A+? ,' +-' . -' -A' 4K<Q') ' ' 4 4 4 ' =Q< O' #A,G'
+ @A+G' G@ C ' . -' +B@' +@C?' T @+" 7 ' A' .@A@C ,' > @' '
J- +) A2' @ J@ ,,G' A' -,D + ?@C2' B@A' ' @++@C' J > @D' -A'
. ?@2' ->,D' +B@A' W G'T' B@C@'' ' @+' ;'

2' / $ ' ' ;N' b' D

;KO<' 5$- ' 'MN< ;' T' ' @+' ' ' ? D@' >J-A' B ?' - '+B@' + U A.' 'J C+ >, C' D C@ + -A
?- +' A @+@C +@' AD' J,@A@+ ' B C +@C ' SK -' B ' &,.
'V B% ' ;Q' 7 B@A' T ' @+' ' ? D@' +' ' E AU2' @ @CG' A -C? Y
+ -A' ->.B+' -C2' EG' +B@' E>C., C ' ;KPQ' = ' = 8 '
$3 $1! ' 0' ' ;LM' #A' -A@' - -A2' +' ' A-E,@' + E,@2' '
.C@ +' @ ' '? D@' +' BA' OK)Q' ' = 8 'C$ '2 '
<&! ' ' ' 'D C@ +' @+' >V-A' &B ,' ' ? D@' EG' +B@' + C ,'
G->A.' C-.>@ ' ;K)' 7 ' ' (' $B& ' '& 'SS 2'
-' -A@' ->,D' G' +B +' 3 ' ' ' ? U A.' ' @+' +' B ?

K ' 86 > ,,G' +' ' -C?' - ' J- @C' > @D' EG'

B J C .B+ ' @@' I>-+

4Q<=' ' 'M' $-$' *' ' ;N' B@' @++' ' ? D@' EG'
DC A.').@*' E@+ @@A' +B@' B@ D' -C' B@@,' - '+B@' B-C@' 1 0'
;<' O-+B' ?> +' E@' @+' ,- @' +-.@+B@C' +B' C- @++ ' ;KSP'
$!,&' >' 0' $ ' '8@D' O>CA@G(2' (A' ? + ? UY
A.'D@A-+@ 'J- @C ' ? D@' > @' - 2' B@C@' -C @' 'C@I> C@D' +-'
EAA.' -C' >?+#' + -' -C' ?-C@' J @ @ ' +-.@+B@C2' AD' ' J@CY
-C?@D'EG' C@ 2' B-C@ 2' C- @++ 2'-C' ,@ + ' $ >&' . '
$ $!' , !0' KL' 'T' @+' ' -C' JC@ >C@' '-E+ A@D' EG' ?@ A '
- ' -+B@C' J A 'DC @A' AD' @D.@D' A+-' E-,@ ' -A' +B@' -JJ- +@'
D@' - '+B@' A.,@ C-A

' B@' + -A' - ' @++ A.' -C' B CD@A A.2' -C' +B@' -AY

D + -A' - 'E@ A.' @+' &' $. '$' ' +-' @+

OKLQ' : ' ' '+C' ,$ > ' & $ 'PL' B@' T+ ?@' - ' @+' '
? G' -?@+ ?@ '+C A .C@ '+B@' JC@ C E@', ? + ' OKL< 0'
' '0' ' , 0' " - E0 'M< ;' O@ -C@' +B@' @?@A+' ' J@CY
@ +,G' B CD@A@D' AD' B D' + U@A' ' @+

;N ' M 1%' @+ ' - +@A' A' JBC ' &' - $. '$' $ ' '

$ 0' ' 8!@@' I>-+ (

QOP' &' $' 0' O(' (' W' $ ' (' ' @C?' > @D' EG'
B @ ' + B@C ' B@A' +B@G' B @' '%@C+ A+G' - ' @ X A.' -?@'
- '+B@ C' %, @A+ ' ;QKW' < ' 0')! $ ' O(' (' 'D@ D'
@+2' ' -A @C+@D' B@?@' +-'D@ C >D' 'J@C -A' EG'. ? A.2'
+'E ' ' S@D' ,--U ' (

A I A' < ' ' 2 &,0' ' ;<M' B@' / - +-C . @' ?@'
B +' ' +@C?' +B@' D@ D' @+' +B' E '@G@

N ' ' J- A+@D' ++ U ' ' D@+@C? A@D' -A , >.B+ ' A B' +-' -C+G' ?@ E@ ' A' +B@' A B' OKQ<

-A +2' $ %' $ $ ' 0' , -2' A' ++ +>D@' -C' J- + -A'
- 'B- + , +G

;KLP' - . *B ' ' 0' 3)' ' Q' - ' 0' 8;KLQ(' '
OQ=' B@' EB-CC@A @' - '@ @CG' +B A.' , U@' 'T D@ D' @+' -C' A'
++@?J+' +-' C>A' D- A' ' ? A' EG' E> @' AD' , ? ->C ' A J%'
< =' & ' 1 ' 5 0' 8;K=O(' ' <;' 'D@ D' @+' ' +-' E@'
? D@' C-?' C -> ' I> C+@C 2' . A +' +B@' E-? A E,@' AA- Y
+ -A' - ' J>E, B A.' / -A ' EG' >+B-C +G ' A &A' : . '
0' &' ' $'' ;<' :>,G2' +' ' J, A' C-?' +B@' ?-?@A+'
1->J.' @A+' A+-' +B@' C--?' +B +' ' D@ D' @+' ' +-' E@'
? D@' +' B ?' OKP<' & '>' !$' 3 (2' T ' D@ D

@+2' ' D@+@C? A@D' + AD2' A' C.>?@A+' -C' A' ?- @?@A+'
;KKP' $',.0' ' ' ' 2 ' ;M' :>,G' O ;' B@' D @ +@D'
@ + -A ' - '+B@' C B' J-J>, + -A' ? D@' 'D@ D' !@+' . A +' B ?'
C-?' +B@' "C +

D ' # ' ' -? A ' 'D@+@C? A@D' ++@?J+' +-'. A'

' ? A' ' @ + -A ' , -'&,,$ 0' -A @C @,G' - ' ' ? A

OKOL' ' 6)$'' S ' S, ' "@C' , +@' J@C -C? A @' B D'
E@@A' 'D@ D' @+' +' -CD' >.> +> ' OKOL' ' ' ' $" ' '
!@C ' ' ' !(' 8%-,E>CA(' L' : ?@ 'B D '? D@' 'T D@ D' @+'
+' 'T -C+>A@' ' OK=K' ' $'($ ' 2' B@C@' ' '
. C,' +' / > ? D > ? 2' B-' ? D@' 'D@ D' @+' +' ?@' A' +B@' G@ C' '='
OKKL' 5 ' = ' 8 6)' 0' !$)) 'S 2' ' ? D@' 'D@ D' @+'
+' 'A@ 'E@ >+G' *> +' CC @D' C-?' +B@' !->+B ' OK<= = ' 5 '
.. ' &-$'' <& *' "0' O=K' 7 -?@A' ,,' +BC->.B' B ' , @'
? D@' 'D@ D' @+' +' C E ,D

@ ' A' E -,>+@' +-J ' ' -?J,@+@' B@ U ' JBC '$ '

$' $ ' 0' , -'E ' (' !$' L` [L' P

OKNM' !>$$' ' '' & ' 0' 'O;;' " -,,-] B + '+B ']'
+B@' D> B@ ' - ' / C AU +@C' +' ' D@ D' @++' +' OK=K' 9
' ' (' &' '$ '$' $ ' (' +-' E@' A' ' S@D' + +@'
-C' -AD + -A' B B' JC@ ,>D@ ' >C+B@C' JC-.C@ 2' $') ' A'
O ' " ' " ,,' &!! ' 2 & ' # !@@' +B@' C-A+' - ' - . ' ,- @C '
! C@ 2' D@ D @+ 2' AD' A@ ' OKP=' B' C $! '' '
8;KML(' QO' B@' ? A' ' +' 'D@ D' @+' B-' B ' . -+' +BC->.B' '
UA-+' B-,@' -C'. +@ G' B@C@' B ' ,@D.@' ,- D' - ' >CA +>C@' AY
A-+' -,,- 'B ?

' *& ' 0' A' EC@J+' +-J' ? D@' EG' A' A ? ,'

+B' + ' ?>XX,@' A' +B@' D C@ + -A' - ' +B@' JC@G ' *0'

+B@' J- + -A' + U@A' AJ' EG' 'D-.' A' J- A+ A.' . ?@'
8% ' M (

OKO<' 'O '"&H,' & && &- *0'OL' " JJ@A A.',-'J
' ? ,,' E> B2' +B' +B@' B@,J' ,- @' +-' ?@ ' B@A' +B@' E + B'
' +' 'D + A @2' B@' ? D@' 'D@ D' @+' OKML' 7 '%' .)8 '
% 0')' ' ' ;OO' "@' ? D@' 'D@ D' @+2' .@++ A.' ?G' AD' W
AD' ??@D +@,G' ? D@' 'D@ J@C +@' B C.@

' B@' ? AA@C' -C' J- + -A' A' B B' ' +B A.' @+

' B@' G' A' B B' -?@+B A.' ' @+' D- A' A' C + A.' 0' $ (

' ' 8 ' &'0' ,& 0' ' OQ' A@' B@C ,D F>B,,U'
B@ '+-'B ?' ,U' -CD' C '@AD' +-'@AD2 ' A' -C?@' AD' @++' '
;' B , ' D' LN7' B@ C

/2' @AD@A G2' A , A + -A ' D@+@C? A + -A' 8- '+B@'
? AD2' B C +@C2' + -A2' @+ (' A' ' @C+ A' D C@ + -A'
- +@A f ' @++,@D' D C@ + -A2' S@D' B E +

OPMQ' = 1. '< 0' & 'O=' B@C@' ' A-+B@C' U AD' - ' -D@ '
+-A@ 2' +B +' ' @ ' -A+C C @' @+' AD' D) - 6 -A2' B B' ,,'
B >@' A-A@' - ' C-A ' OMNL' . ' %0' - ' 7 U '8;Q;Q('
Q' 7 B B'5C ?@' - '7 -CD 2' C@' D J- @D' A+-'D @C '5 B -A 2'
-CD A.' +-' +B@' ">?->C' - '+B@' %-?J- @C2' AD' +B@' !@+' -
+B@' ?@2' ,'OMON' - . ' $! ' ' ' * 2' 2' "@C@' ' '
+C A.@' ,+@C + -A' A' +B@' %->C+ ' 3@A ' 5 @ ' C@' - ' -+B@C'
@++ ' AD' ?-+ -A 2' B 'C$ 0' $ ' ' KN ,,G' '
# @' ,,' . @' +B@' 3 AD' ' A-E,@' @++2' OQLN' '
-(' 8;K<<(' -CD' ' J,@ W@D' +-' . @' ? G
B@ C+' ' @+' +- CD' +B@' JC@ B A.' - '%BC +2' OK=Q' " ' = ..6 '
' - * 0' ' 0' S '8;KPQ(' OMK' B@' J-@+ ' ? AD' - ' A.Y
, AD' E D' + U@A' A' A @+@C +@' @+' ' OKPO' . ' '') "Q
' ' $' 0' ;N' A' +B@' JC- @ 'EG' B B' +B@' ?-+B@C' +-A.>@'
' I> C@D2' +B@' ? AD' I> C@ ' ' B E +' AD' ' @+' OK<K
!!1) > ' " 0' 0' 'K=L' !+C A' - '+B@' B@ C+2] +B +' !2' -
'J@C? A@A+' T' +@C +C A' ' -C' T' @+ ' +- CD ' -+B@C' +B A' +B@'
A-C? ,' , A@ ' - ' + ' + -A

' B@' D C@ + -A' A' B B' ' >CC@A+' ,- '&5' '

AD' E,- ' , -2' +B@' + -A' - ' +B@' +@C2' @+ ' A'

- ,,G' JJ,@D' +-'J C+ >, C' >CC@A+
OQO<' ' - ') & ' 0' 8 ,-E@(O<L' " - '+B@' !@+ ' - '+B@'
D@2' -C' %>CC@A+' , G2' B@A' +B@' 5,--D' ?@' A ' OQPP' :
' " $' 8;Q;)(' ;OP' O G' ' >DD@A' @++' - '+B@' @
': U' +>?E,@D' -C CD2' ;Q<L' C !0' - 0' 4 4 4 OK<
,+B->.B' +B@' A-C+B@CA' @+' '+C , A. 'G@+' +B@' AD2' E@ A.'
E-+B' A+' AD', .B+2' @' ->,D' A@ @C' - @C -?@' +B@' +@AD@A G'
#'+B@' >CC@A+' OKOL' 7 ' - !(LPN' B@' @+' - '+B@'
@ ' KOQ' - . *B ' ' 0')' 'Q' - ' (' 8;KLQ(
' ;L' ' +C ' B- '+B@' @+' - '+B@' AD ' A >% -
$! (- 0' 2' ;< ' @ +B@C' ,,' B- 'G->' +B@' D C@ + -A'
- '+B@' AD ' ' +C ' ,,' JC- @' +B@' D,' - ' ' >CC@A+' OKQ<
, 1' > ' &' !"' LOQ ;' # +@A' A' +-C? ' ' +C-A.'
+' >CC@A+' C>A ' ,-A.' +B@' - +' E@+ @@A' +B@' ->+@C' S C'
AD' +B@' B-C@2' ,,@D' EG' +B@' >C ?@A' +B@' T @+ ' -C' T >+

! ' B@' E> ,D' -C' ? U@' - ' 'J@C -A ' R(& &($!0

OMOO' 1)' 0' < 0? 0' S 'SS* '8;MOL(;;KM' # ' ' E ..@
AD' EC- D' @+' ,'OMON' - . ') &-'8 ' &)' "' ' 2'
' .--D,G' .@A+,@? A2' # ' ' ?-C@' ? A,G' @+' ' A@ @C' ,--U'D'
-A' B ' ? 0' *&!!&' -'LO' = O' "@' ' - ' ' !I> +' !@+'
A A/' # !' 00?0' !B J@2' .>C@2' +2' ? U@2' E@C '
D^@@Aa' SKKK' $ * > ' $ 0' : A ' O<; O' !-?@+B A.' @ @ Y
+ @' AD' J +>C@ I>@' A' +B@' @+' - ' B ' +C-A.,G' E> ,+' C ?@2'

+E ' ' 0' ' !B J@' 1 (

OPMQ' = 1. '< 0' & '=M' " -> @, U@ ' -C' B '@AD>C A @'
'C@ @?E,@D' +-' ?EC- 2' -C' B 'C->AD F+'^+' C->AD' @+a'
-C' .>C@' +-' +B@' O>,,- U '@ @

.2' $ ' (86 > ,,G' !+' B@' D*> +?@A+'

- '+B@' C@@D '8- ' ' ,--?(' A@ @ CG' -C' +B@' ? U A.'

- ' ' EC ' - ' 'J C+ >, C' +@S+>C@ ' B@A @2' +B@' ? U@'

- ' ' EC ' ' D@+@C? A@D' EG' +B

OQKN' ' B 7' &) 0' !0' ' LO=' B@' .C +' -C' A@A@ ' - '
+B@' G ?2' D@+@C? A@ '+B@' @+' -C' A@A@ ' - '+B@' C@@D' +BC->.B'
B B' +' ' +-' E@' C->.B+' ;KLL' : ' ' ..)' $'' 0' $!
'LPN' 7 B@A' +B@' @+' - '+B@) @E' ' C-?' +BC@@' ->C+B ' - ' J'
A B' +-' -C+G' ?@ E@ ' A' +B@' A B' OKQ< B ' $ Q
' (@+ 'OQO' B@' G +@? ' - ' , >, +?.' +B@' @++' - 'C@@D '
1% 0(' ' ' ,-+E' -A+ A ' S+G' +BC@ D 'J@C' A B2' +' ->,D' E@
D' +-'E@' ' S+G' @++' ,-+B ' OK<L' - ' ;N' :>,G' = M 3@D >?'
AD' B@ G' @++ ' - ' J- @C,--?' ' C@ B A.' ?- +' ++@A+ -A2'
A@' D@ C J+ -A ' E@ A.' ,?- +A@.,@ +@D

E ' 86 > ,,G' (+' B' -C' AG' - '+B@' I> C@ ' A'

+B@' J ++@CA' - ' ' + C+ A ' +B@' J ++@CA' + @,

OQO;' ' $ $'$' O<Q' B@' &, D' + @, ' . @' J,@ >C@'
+-'+B@' .B+' -' @@' B- ' ,,' + ' @+ ' ?E E@' +B@' , .B+' OQOP'
] ' < ' ! ' * 0' ' ' ! C,@+' AD' .C@@A' +B@' @+ 2' +B@' E-CD@C '
E,>@ ' SKSS' = ' ' < ' '* (.!0' ONQ' @CG

, A' -C@' ' D @C@A+' 00 ' + C+ A ' ;K;<' ' '
&' & ' 2' " - '? AG' B@ U ' A' +B@' @++' - '? 'J, D' AD'
+C@ ' ;K<Q' $' $ ' +' !@J+'Q ;' B@' 3>CC G' @++'

1' B@' -C?' B B' 'E-DG' >?@ ' '+B@' C@ >,'

- ' +C A' -C' JC@ >C@' -C' A' +B@' JC- @P ' - ' -, D Y

+ -A2' @+ ' *(+B@' J@C? A@A+' D@ ,@S -A' - ' ' E C'

-C' J, +@' - '?@+ ,' -C' --D

L LA' &2' (. ' .0' 5 0' KP' 7 B@A' +B@' + ?E@C '
C@' + .@D2' @ +B@C' EG' + A.' -C' EG' ' @+' OKO=')7 .)'
0' $ ' &''8@D'O(K;' B +' C-A' '+-'E@' @ +@@?@D' +B@' E@ +'
B B' ,,' E@ C' +B@' .C@ +@ +' D@.C@@' - ' ,@S>C@' +B->+' @+2'
;)Q' " ' = .. ' ' - * 0' ' 0' S ' 8;KPQ(' - ' U@' '
J @ @' - '-,D' @, + 'J C B?@A+' +B +' B D' E@@A' I> C A. D'
.@ '+B@' @+' - '+B@' C-,,' ;KM< = ' 3 .. ' &! ,(0'
' 'QQ' B@ ' JB@A-?@A ' - ' CG + , 'D@J@AD '>J-A' >A@I>)'
-AD> + E ,+G AD' +B@ C' @+' ' D@+@C? A@D' EG' +B@' D @C2'
@A @' E@+ @@A' +B@' -C @ ' - ' ++C + -A' A 'C@J>,C -A' OKKL'
, ' , ' ;Q= S' B@' T' @+' - ' ' X A 'E C' B@A' B@ +@D ' SKK+'
' <!& (' 2' 7 B@A' +B@' CG + , ' - 'E G ,+' E@. C'
+-' -C?' >J-A' +B@' +C A. ' AD' +B-CA 2' +B@' J A' ,@
+-' B @' '.--D' -C' E D' @+' -CD A.' ' +B@' CG + , ' C'
, C.@' -C' ? ,,' ;KKK' &,.2&& ' 0' - ' , 0' ' '0
C -$' ' ' (' +B +' ?->A+' - ' D@ ,@ + -A' C-?' B B'
E@ ?' -C' +C> +>C@' ' >A E,@' +-' C@+>CA' +- + ' -C . A ,' -C?'
E>+' B B' C@??A ' -A + A+' <NL' : 1. 7' P' $ & ' Q2'
>CA A.' +B@' B A.,@2' C@+>CA A.2' +B@' B A.,@2' B A. A.' +B'
!@+' - '+B@' AD

2' B@' G' A' B B' A' C+ ,@' - 'DC@ '

CC A.@D' -C' T' B A. ' ' , - ' ? , C,G' - ' ' B J'

OKOO' 5$B' ' '9? #' !+>DG A.' +B@' @+' - 'B@C' E-IA@'
OKOQ' - . *B ' ' 0')' 'Q' - ' 0' 8;KLQ(' ,-
!B@' B-' B J@ '+B@' ? +C@ ' ' J 2' AD'. @ '+B@' @+' +-' B@'
B@ D DC@] +B@', DG ' ? D' ' OK)' " ' @' . ' 3 '8
" ' ' ' $ $ '8@D' O(MP' ! C>+ A X A.' @S ? A + -A' (
E@' ? D@' -A' +B@' ' - 'B '%C +' ;K=P' = ' = ' : ' ' 8 .
$' 31.(3-$. ' '=N' A' -CD@C' +-' . @' +B@' U C+' H
JC@++G' T @+'' OKKO' $!"' !0' OK' : A 2' %-A D@C A. +E '
I> C@A@ ' - ' B@C' E- ' AD' +B@' @+' - 'B@C' ?) ' OK<;
: 1. 7' ' ' $ ' ;MM' B@' @+' - ' +B@' +>A ' ' -CC D'

O ' B@' J- + -A' -C' ++ +>D@' 8@ +B@C' - -A ,' -

B E +> ,(. @A' +-' ' , ?E' -C' 'J C+' - '+B@' E-DG

;KP;W' '!@A @ '=' ' 0' A '+ 'e' L'8;KM=(LLP' 'J@ >, C' @+' -
+B@', ?E2' -C' @S ?J,@2' +B@' +>CA A.' - >+' - '+B@' +-@ ' OKML' O'
. ' $'0') &'' 2' " 'G@,,- 'B C .C@ ' / ,
C-?' +B@' +@?J,@ ' +B' ' +>CDG' @+' OKQM' < ' . ' $''
0' ' B@' @+' - 'B@C' B@ D' AD' A@ U ' OK<M : 1. ('
'' $ ' ;MP'' ' +B@' @+' - ' ? G' B->,D@C

' " ' B@' A , A + -A' -C' D J' - ' +B@' C?' - ' '

S,@ +C@@ ' +B@' @,@ + -A' - ' ' .>A

&&' ' ' 1 I '?.0' $ - ' ' O;ML' 7 @C@' ,,' B@@,'
? D@' +B' -A@' >A -C?' D@.C@@' - 'D B2' @' B->,D' +B@A' B
-A@' ?J,@' + AD CD' -C' +B@' ' - '+B@' S,@ C? ' OKP'
B ' $ 0' * ' ((2' : . @' +B@' JC-J@C' @+' -
D J ' OKQM' -1 ' \' 3 ' ! 0' (OK)' ' ," ,'
B*& ' ' ;MK L' 8&>A+ B--+ A.(2' ' 'T8 ' . E '(+B@' @,@ '
+ -A'. @A' +-' +B@' .>A' ' +' , @ ' -A' +B@' .>A C@ +2

E ' B@' , .B+', +@C ,' D@ ,@S -A' A' -JJ- +@' D C@ '

, -A ' - ' +B@' ,+@CA +@' +@@+B' - ' ' ' +B@' A->A'

- '+B 'D@ ,@S -A

A J>' ' ' ' 0' D' .0' ' ",!0' 'MLN' B' >@'
@! @' +--+B' 'J, @D' A' -JJ- +@' D C@ + -A 2' +' +B@' D@ C@ '
(+-' ,,- ' +B@' E, D@' - ' +B@' ' +-' J ' +BC->.B' +B@' --
+B->+' C@ @ A @)OKPL' X 0' ' ' PK=' B@' T' @+'
- '+B@' -A + '*A' A , A A.' +B@' +@@+B' +' +B@' J C+ >,
A.,@' UA- A' +-' E@' +B@' E@ +' +-' , + +@' +B@' @S +' - '+B@'
D> +' OKQP' : 7 ' T' .(;N=Q ;' $,.3 $2(' C ?'
' - '?-D@C +@' @+

% ' "*& (8!@@' I>-+ (

OK<O' &) 32$ '* $, 0' C ' ' '4 0' =(O<_)L (B@' @'
- '+B@' +GJ@ ' .A @ '+B@' JC-J@C' J- + -A' - '+B@' ,@++@C 2' +,'
C@ @C@A @)' +-' +B@' JC@ @' ?->A+' - ' J @' E@+ @@A' +B@?' O<M'
7 ' A' C &,(' ' 0' .0' * '0' /@ ' ON=L' ' +B'
,@++@C ' C@' A-+' -A,G' 6A@I> ,' A' @+2' AD' A @' +B@' D+B ' '
@+' .@A@C ,,G' E@ C' AM' J C+ >, C' C@, + -A' +-' +B@' @?' 8-C' E-DG'
1 0' 4NQP' B@' ?->,D' +B> ' ? D@' ' - 'D@ A +@' X@' -C' E-D'
E>+' C E,@' -C' +B@' D+B' - ' @+ '

A ' !-?@+B A.' B B' ' @+

i'/3 ' A' C@ ' ? CU@D' ->+' -C' 'B>A+ ' ('

,'O=ON' $ '& %'<$- '8 3 !' / .EG' ;KO(' SSS 2' B@' ? +@'
- 'E@' . ?@' B>,D@' E@' -CD@D' +B' ? +@C' -C +@C' -
J CU@C' B@DGC' E +' +'E@' B@C@' ,V@ UGA.@' B ,,' B>A+@' > B'
'D G@' AD' +' E@' @++@' E@' GD@' ^@+ a' 1 0(' V@ ? +@'
- 'E@' . ?@' B>,D@' E@' @A -C?@D' EG' EM' -C +@C' -C' J@' J CU@'
B +' . ?@' E@' UGA.' B ,,' GAD@' +B AA@' E ' @++@

/ ' 86 > ,,G'P)) (B@' C@ ' - '.C->AD' -CU@D' E'

'J C+ >, C' ? A A.' -?J AG' %B @ ,G' & - $!'

8% ' 'E (

OQQK' ' '(& ')10' LOM' '!@+' '+B@' .C->AD' .C A+ '
+-' ' -?J AG' - ' D @A+>C@C ' OKLP' ' ! V ' ' ' '
:>,G' ;;L' B@' @++ ' -?JC @' ' C >? @C@A @' - ' @ @C ,' ? ,@'
AD' E->AD' A' ,-D@ ' JC-D> A.' C.@A+ @C-> ' -C@ ' OKL'
' . ' ' *0' < &!0' & '2$!!(@+ 'S 'PLQ' B@' E->AD'
E D' +B@' C .B+' - ' .C A+ A.' +B@' @++ ' OKPP' 6 .)' &%
2 $!!' ;LM' B@' ,-CD' - '+B@' - ,' .C A+ ' 0 2' -C' J-C+ -A' ;
? A A.' - ,2' -C' ,@ @' - 'G@ C)' OK<L' $!"' 2 ' ;;' :
O ;' B@C@' C@' ? AG' -,D' -CU A. ' ?' 7 B@ ,' # ,@ 2' A'
@ @C ,' @++ 'B @' - ' , +@' G@ C 'E@@A' D -A+ A>@D

// ' ' A' -CA ?@A+' - '*@ @,,@CG' @+' -A' ' . '
?@A+' (

;PNO' C 0' C) ' 5*(!O(' & .'8OKLN(OO' !J A.@,,@'
)++@! +@CCG 'DC-J@ ' AD' J- A+@ -C' . ? B A.' - '* '
U@++@W' OP=O' ' (&"$!' $ &1 ' 8;K;P(MQ' 6J-A)' +B8
?GA@' E-A@+' +@A@' @++ 2' A' @ @CG' @+' ->C' DG-?-A++ 2'
+B' SS ' @++ ' - 'J@C,@' A'@ @CG' @+' ->C' J@C,@' 1 0' MQ M'
@A@' J, A' DG ?-A++, ' A' @++ ' - ' .-,D2' S ' @++ ' - 'J),@'
\ '+BC @' A'@ @CG' @+2' AD'AGA@' @+', A.2' AD' ->C' A'@ @CG@@++'

T/ ' ' AG' +B A.' A-+' - A2' E>+' J>+' A' ' + +@' -

-?@' .C- +B' A+-' +B@' .C->AD' " *c (' ' + . ' , J2' -
> U@C2' > @D' -C' J, A+ A.' -C' .C + A.' ' , -2' 'G->A.'
J, A+2' *0' 'E@DD A. ->+' J, A+
OPOL' B 7 . ' ' ' L . ' &C- ' ;LL' B@' J, A@' J>,D@CG

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

!

B +@ @C @ @+ -A'+) +C-A. D J- + -A+- E@, @ @ A
? C ,@

! / 2 - J>+ 8 A @D.@ -C J- A+(&' &(8% 2 QP (

;MNN) - - > $!! 5 S2 g) + @+ A @D.@
-A UA @ +B@ .C AD +-A@ ,-A@ A-2 +B@ ? -G + @,@?@A+
J- C'D J-A +2 B B .C AD ->+ ,, . J 2 @+ J-GA+ J-A
+ S!@- 2 $ & - ! 8&@C G !- (;; B D D ->+
@+ A @D.@ +- B@C A+-A JJ@+ +@ ;M=Q % ' 3 , &!$
& SSS S L 7 B + .@+ !@C @ E>+ +- @+ A @D.@ >J-A
? A@ JJ@+ +@ ;K<; & - 0 $ / / @ MLK : ?A- @++ A.
@CG U@@A @D.@ +- ?G E, D@

!0 - S 8 @C+ A JC @( )*&' +B A. A-

B @ ,G A & $ * ,)*&' &' > $ AD +B@
, U@ -+B@C @ @SJC@ @D EG *) (8% K< (
;PLN . 7 Q;P O AD G-> @+ A + JC @ >J-A G->C
? C B >ADG @2 B- @ A + E@ E->.B+ ;NP ( ) +C
! '> - $!(=<O !@++ A. .C@ + C A -? >J-A +B@C
5 B@C?@A ;MMM Q = 3 .. & (7U 8 C- C+(ONL
0 ,, B E A C@ D -C @++ A. +B@ JC @ - A@ @,,
>J-A +B@ ?@C B A+ C@, G,-C ;MKQ B & ' 0 *!"
& $!!$ LP B@C@ A-+ -CD - AG >? @+ -A B
"@ D ;Q N U .. & > & - (*0 S ;K= !G,, @+
&C @ >J-A +B@ "@ D - , +B + @C@ JC- C E@D ;QMW
@@ B SKM+ - *! ?$ PO; JC @ @+
>J-A +B@ B@ D - +B@ &C A @ ;KKN / % 3 $E %(
(=ON 2 @+ JC @ >J-A) C@ A ? A@

€ 6 (- J + 8 @C+ A ,>@(E*&' B @ 8

@C+ A @ + ? +@(&B(
XMX " (+ =K ! A @ - G->C ">@ G-> @+
!- ,) B+ ,@ + -A ;MQ; 3;; # C ((XM- B +
#A B + :- @C @+ B .B @ +@@? ;QPM 3$ 1
A & ' &!! ,(8 3 +, AD %,>E(OLK +@C @++ A. '*> +
,>@ >J-A +B@C 2 ;?> + A@S+ @+ + -A+C@ ?*C @,2

i'== - 6 G 8 -?@+B A. E>CD@A -?@( )*&' - +-

? J- @ -C A , + 8 J@A ,+G2 + S2 @+ ( )*&'(1 (
KKK 5 .6 1 ?& .( ) S,S 'X- JW@+ -D AG,,@ A A >A
E@C@AD, @ EC- B ? A @++ A $ X--- $ -&'> < (
;OMM " -AA@ ,@ -,D@ -A @C,-) A ,+@ @++ A)[K-
(&!!0 & (MX , +@D A>' B EC@ + D >D @++@C
>JJ@A > ;LLK $ B . &'(8;K;N(PP 5-C+-CM @ E-
+C@> .@2 E)+-A E- ,-AD @++@ ;L) & (OLMMM
8 D+(^& A@a J + .-DD B @++ -C C +> ;=PN 0
) 1 8!>C+@@ (MO=M E@ + S -A E> ?+-' X!LQ A
@ D ? !($ 0 D) 8!@,D@A !- (=Q B@ @ D
@, @ B J @++ *)A @>@CG -+B@ @GD -?J,-GA >A+@ -C
E -A+C E> -A S *D EG +B@ G@C@2 ;PPO L h 2(9 2
;O e ;N B@ #??@ -C -??@ >J-A EG? @++ +- E@ D>@
L%U> = (;: B@C@ E@ A. .C@ + J@A ,+G @+
>J-A AG +B + CCG +B@C C?@ ;ML< / > S 7 +C
$ -) - (OON B ? A @+ @ >C@ -A
6 ?-A , AD 2 $;QSP B 2 8;QO=(: L<<"@
+- B @ JC-J-C+ -A- ,,+B@ A@ +B + B->,D E@ @+
> #A +B @ D@A @ ;QM; & - [(0 :>A@2 #
B B- @A @ B@ E@ A. -A +@D2 +B@ %->C+ @+ A@-A B ?
2 - JJ-A+2 A ++>+@ 8 J@C -A(+-JC@Y

C E@2 -CD A2 @ + E, B 8 +B A.(

!1 - J- + -C + + -A 8 J@C -A(A @C+ A

J, @ & J@C -C? @C+ A D>+ @
7 +B A A +B @A @J @ A+- ;;O E
<Q[? ! ,. !0 & 0 ;QQ J B@ E@EGC @D @ 2 @++ A B ?
BGCD +- $;OLP , 0 0 OQN E- @+ ,@ \ @J+@ \ @++@
A@ >??-A >-C+@ E@-A)@+@ CD ;L<Q $ < . B 8$-,, (
K;;L " + @ B- E) ->C) +@ @++@ A -?) GA@ 1 (
[NMKP "@ +-C@D@ * +@, \ @++@ E C>-,U A->+-B-,D@
B ?)@ E) UA.@ ;LMO 7. C 0 C 0 S OO J@- @ S@
E@A @+ +- >@ E % +@, & $ 4" <$- = 0
/ .EG ;KO(444 -E PP E2 J@ + E,@ E>+ - @+B +-@++@ -C
E@ UGA. -??@ , ;=PN > $! ;M J@ @C J@C E) @
@+ -C BG? GA - D J>+ B@ ? - +A@D@ .--JC- .B $ [PLL
) & SSS, OP< -U@ +B +G@ @+ .--D + B@
+ @>@CG . +@ ;P) (& ($ A OO "@
B ,, 2 + B ? A @++ A. +B@ + B ;MLN 9 1
@+ +B@ + B2 +@ .B+ A +B@ @ @A) ,,@D B ?@A WM<Q
) 0 < & (MNQ U@ @A+C@ @+ ;QM< - .R
($ 8;QKN($C=E - @+ +B@ 7 + B2 +-
JJ- A+ -A@D -A- +B@ C@ +- @A+@C >J-A +B@ D>+G -
+B@ + B SK V !2 0SSS , 2 " - ?@ B@ +-
,@ @ +B@ % +,@ +@C +B@ + B @+) L 1
) 0 &. $!(S OP;!J@ B @+-E@ @++- B@ U+B@? ;KQQ
3 =) $- &!@C> SS O;= + B @+ ,,
C->AD +B@ +,@

!1 - J, @ 8 J@C -A(A A - @2 JJ-A

& @C+ A >A + -A -C &* %& - @C+ A D>+G
+- JJ- A+ 8 A - ,(1 0
X--- (C (8 E (;Q "@ @++@ B A@-A B E> @+-
B, @ CD@ S-- ;L=LK2 @++@ *> +- E@A ? A.
B @J@A@ ,@D@ EE+ ++@ ?>J ;LNN) & (;;QPL
&C@ +@ -D- E@ -,U2 , J C @+@2 3 C @ +-
J C ?>?@+ 1 (OLKQQ "CD@ E + E@ , >@CD B @++
;=NN)! (? 8&C- @(ON J E-@ B + A A J C +-
E-+ J + B- CUC- @ ?) "@ ? D@ B
+@ + ?@A+ >,,2 AD @++@ B @S@ >+-C ;=MN
P B@ B B @+ A +B@ @GD@ B>C B @ >,@C B A-A
[=MN ? !! $- M;L B@C@ A- >.@*J@+
-A >B +C@ J @)% 1 0 (%" $!!=(H +B -
, D?G++@ A B-A@ + JC@@ +-+B@ D %B >A+CG2 \
BG?" @+ \ AD> +@ A +B@ ?@ ;=<K & 0 ?.0 P<Q
>D +->C +B@C>J-A +-E@ @++

!2 - J, @ A J- + -A- >J@C -C +G -C -A+C-,

& A-+B@C 8@ . C>,@C2 JC-+@ +-C2 .> CD(
X--- (C 0 8 B(S 6 =K J E @,- J@ GA.@ -@+ +
!@ @++@ + -@C -,>? 44KL (0 & (8 >D 3!(? " +
@ +-"@ A@ C B+J + ? A -,D@ @++@A -@C -@C ?>A@ @
%[ONN L<;N - @++@A @B,),@ - @CC B@?? -
*@? @AA E@?? $[OKP , ((QO) + E@- ->@C -WC@ @+
M B EE@!B ?+-' +@A@ $;LNN) 0 MOOO #>@C ,
J + - + B@ @++ ,@D@C ;=NN)! 0 ? 8 @C @C<MP
-CD2 - E->@A @+ E @ J-> !->@C GA +- B ?' E> E
;PKP 9 7 +C & !$" & "(, 2 QME2 B@
? E D-C 2 A+- B-? +B@G C@ @+ ->@C +B@GC. CD
XM)= . C0 (S <=; 6 B JC ?@ %C@ +>C@ 2 !@+- @C
,, B 7 -CU 2 $ [ONN 3 . $ "!@J+ ;M=M2 B@G @+
> CD >J-A > ;QP=! < $ & S KN
B@ @ @A+B ? A @+ - @C +B@ J- + E-G ;K== " "
9 . ? ($ OLP A +B@ @ + ? + -A- +B- @ B-?

E@ @+- @C ;KQ< 8 0 (0S 2 ;OQ "@
JC-?-+@D +B@ 5C@A B ,@C.G2 AD @+ +B@?- @C +B@ A., B2
E - >@ 8 J@C -A(+- + A .C@ -> G

)*&' (
&BC & 8-A@(' A-+B@C ' ,.5 @@ (1(L
! ? , C,G & & A-+B@C 1$,.0
;PP; ! +C & > E &* $ 2 8;K<P(OP; B@G
C@G @ J +B@ J@-J,@2 AD +B@? +B@G @++@ A +B@GC@ A@ U@
AD@C +B@ -,->C@ - -?@ -,D@ +G+,@ CG.B+@ S)
< !&- 1->C 5C@AD @+ >J-A G-> -C
! JG U%* / 8# " !(=< "@ @AD@ ->C@D
+-' ! C 7 ,, ?' ,GAA -A B E U
& 8 J@C -A(&' 8 A-+B@C(+ - .@+B ? +-

> @ A ,>@A @ +B $ 0
$ 4Q4P 2 8;QO=(0=; "@ +--U C@ +-
@+ +B@ A., B 0 B-J -A +B@ 9 A.

!0 - JJ- A+ 8 E->AD CG2 , ? +(%-A +2 D +

- J@C -A -C@ I> ,@A+ +B &(
KKK & $ / ?& .0 SS 2 "@ B @ ! B@-C ?@ C @
) @++@ J!O B@ A@ ?-+ B@-C@ ?+-B@ C @)@EC)D A $ &&&
5$ 5& 0S S OL) E@+@ @++ A @? @C- [PLP 7
C 0 < B-> E + @+ +B@?+B@ C E->AD@ 2 B B
+B@G ? @ A-+ J)@ ;PQM 8) < %&%6&"7U
4<;N ::PO; +B->.B 3" E->AD @C@ @++ " - ,-A.@
? A ,G @2 ? .B+ B@@C@ -A @ C+B@ @AD>C@2 $ 4PKM .
,$ $ A 8!-??@C(OMP ! A @ B@ ->AD B@ ->,D @+ A-
? + +-E J -A ;MMQ & ' (PLK 7 B@C@
E->AD @C@ @+ -D CUA@ ;MQK 1 !!0 0
KKO B- @A CC- ?+2 B B >,. C#J A-A AD ? .Y
A + -A @+ +B@? !Q=< . < !? $ S ' 8;QKO(:::
OOM ?E + -> @,,E 2 B- @+A- E->AD +--+B@C D@ C@
;KOQ !0 &2 2 3G > @C A. ,, --A E@
- @C E>+G-> C] #E2 B-E>+ "@ @A B ,, @+ E->AD CG
+-+B@? SKKe & & 0 % 0
;;LN B@ ,? + - ->C A +>C@ C@ @+2 AD @ A A@ @C
C- +B@?

! - JJ- A+ 8 @ -A2 @ + ,2 @+ (+-E@

-E @C @D 1 0
g[### (C,(8 B(SS Q J @+ J@ G?E,@ D * @++@
AD *GC @ , X--# I .6 & 0 2 L;N ((@ D @* ^&@A+@
-+@ (@@ -A !@C@ ,D A @.@ @++ AD .@E ,.-D ,;;QP
$- 1(& SS J D)@ E@-K @+ > +-' ?> E@,@ B@,J@
$[LNN) & (OKOMN J@ @!+@ J + A UGCU C @++@ ;L;N
1(;Q; J@ @!+@ JC A J , J@+ EG@J GX@+ A@ B-,G
%A@C E@ -S -D +- E DD@

13 - -CD A &5 @ + E, B 8 C@.>, + -A(+-, G

D- A 8 , (+--JC@ C E@ 8 -C? -C -CD@C(
J , -2 A # AD 3 2 +- -CD A -C , G +D- A
= $ -?@+B A. B->,D E@ D-A@(1(-C $, (>
% !$ 2! ** 0 $(0
K<L .6) & (0 :L " - .@ @+,@- @C ,,B*C@ C @
&+@+ A A -CEGCD A C@ ^@+ a2 <NN 3 8B.6 OLM
- Da G, @++@ J)+ &> >A> C@ @ @A@ CD .@AD@ ? D
J AA@@A. A C@ A $ 50$ (& 0 8 >D 3!(A 4;NO2
J@@C ? A) E@E-D @++-A J@+-%C)@AD-?@ E@, ? J !
?A++ =<4 / C BB+ A B !D@ E AA@ @++2 J ++ A A A@
EJ,,D@ >CCJ@AA J @++ +- >CCJ@AA J@ > E>++ "@
JC@ +@ >A@ @C@ 4OOP (V$ .0 LP< ,,@ B @-
J A@ B@A -+, B@ * @++@ ;==< * (B
=M;!@ A+ &->. B)? D@ +B A- C@ @C@+D , - AD
+@++ D@ + +-E@ E D A @ ;=QQ 0 !,.0 A
WB? 8;MPO(=M $ @+ +B@ @+ CG ;P + o A
U,>G+ &"(8;P<<(::;S-- B@ B@@- +B@ >CU@ @+
-CD@C A-A@ E ,D- AG E C@ @+-+B@*) J,@ -+ +B@C
.--D 4MMM Q $ " ;= 5@E 2 7 A@A ->C C>,@ C@
-A @ @+2 A- -@CA-C B->, - @C +- ,+@C +B@? ;KMP
8 C!$ & S "=0 +> J- + @, B B B @
E@@A @+ EG -?@ ,, I> ,) B + -C , C>,@C2 -C B @
.C- A >J A @A E,G
$1 & [ONN ; 0 /@D ;N A C@)B@,,E- +- -,,)B@AA
6AAD@CC U A>AAU@ B D \"2 ! >??! AA+ +A
@++@ ;=NN & "LQ< >+-?@ +-U@J@ +B@
9) @+
- S-C JJ- A+ 8 ?@(-C+B@ +C A + -A
- A C2 -C +B@ +@C?- - J@C -D , -2 +-
S + ?@ -C % **!(1 1
CS- M * 0 % E 8 B(LQM^" a @++ A D) +- J?+
? A+-K ?, AD@ -D@ C A SS ^@@ * ;ONP
OPP= J-A D @ J@+ @ ,W@+ J -?@A B@-+-> ?A@
[[<N? . QKO A (0 (;O< B J@ ,@AD@ J-
E-ADC@D J->AD !@+@ ?@ J C- @J-C+@ D G -C J-
B ,+B@-?L@,D@ B -A $ 4LFN) 0 P<L< !@+
+??@A @ -CJ@ JC $J I S $$-,, (
4NL &@C@ !@++@ D G+- A @C@ O=Q) P = R
) 5 SSS > MK !@++@ G@ D G D C C +C ?
+B + @ B ,, @ D--E + @ S $ (8;KKK(
B@G E * @>@C) AG-@C+ A@D G- +B@ !-U@ ? A
B@ ,+B2 -C +,G@+B A-+ ? +B@C@@C J- @C $%JJ 1 $
5 S ;= 7 +B A +BC@@@ C@ 8 B B B ,E@ JC@
@,G @+ AD -E @C @D2 +B@ B C@, A.'> @ +-U@@J ->A+
+B@ + B@ ? .C@@D>J-A -C B @ ?%OJ) ,(
e ;OQ 7U ;QS=;;;; PK 6J-A B D J +C A. BE !+>DG
+B A +B@ ?@ @ B ? $>/J < $ & QS
L QK ;ML2 AU ?G .C AD? ?? AD >A -C+B@ CU AD
>??-A ,--A @ ? G D G $;KSN C& -
FL &%DAL @+ @++B@EC D ,A .B+ -C@G@. A. X) = ;
2 9 $ 3$ 2 2 !& "@+ LNP - 0 ,- U B D
E@@A +B@ B->C @+ -C+B@ @DD A.2 5N !SK5@E OOP L
B@ ,>E -J@A A.D G @+ -C JC ,OO
V2 ! D - JD2 D@ + AG2 @+ , - A ? J@C 2
J
$ 4LNN) & (;P;ML J@ +D@2 J + A B >@+@ +C ,
@++ 4L<N 8 1 & %(:XJS B@ + ?@ @+ - U AD@
-?@ ;=NN QN ? . (A) , X J@ +@@C A@ J + @++
/ .-D2 J + A-? A ? G @E J@ ;P<N :LM 7 & $!"
8 ">A+@C %,>E(E2 1-> @@ +B + 5 +@ B +B @+ J@C -D -
?G G@ C@ ;P<= & ! $; =Q "@ > @A B @+ ->X
+?@ XMSX , $ > $ LM= @+ C +B@C D +@
@++- ,, -CC- @ VMMQ & < =<< !@@D2
B@A A-+ @+2 B ,,EC> @ ?G B@ D SMKX & 5*& (
$ (4<< -D B D !@+ B + ?@ B@C@ A +B@ @ , + -A
B->,D @AD
% - 0 - S)*& ' + ?@ 1 0
;97P < 7 ( ) 7 @+ >J-A +B@ + ?@ +B + @
EJ>,D + U@ ->C , .B+

i . / $ 0 - JJ- A+ -A@ ,-+ -C D@ + AG

, - $1 &!(0
,5&&&) 5$ & (M= B@ @++@ D@ ?J *@,@
>,,>? ,>? - QQP2 \ -CCJ @++@ B ??
/ C BB+ A -DD -E@A *-B A *@B , AA 1 0 =KLM ,,
J ++ B@ @++@JJ >JJ- J@ # , @,,() \ - >AA @,,J@ $ 4LNN
) & (;PP=K , JC-JB@+ B @++ , C @ -A J@
+BC D D $;=NN PN $! 5 0 POO "@ ! D + @++
+- E@ - B@)@ EG " CC %;=QN ' $!!$, >
M<; 5-C A., ?@A B@ @++ A-D-G? E-+ D@D

i 1 - JJ- A+ -A -C JC- D@ +- E@ > @D -C -EY

@C @D EG J@C -A 1 (
(5$ & 0 L;O #A ! ? @ ,D A &@A+@ - +@A
@++@ -D @! ?' C B@, , @ a%N& # 0 & 0 8 >D
3!(2 %C + @++@ C@D -C B C@ @ - 5$$& o
[;M<N J@ , C@ - B , B- J ++ X> @++ +- -,,OB@AA
S78 1 0 S J@ +>@, J- +,@ J@+ B @ X@++@ +- BG@ ,D@
AD +- ,-UG +- ,,@ J-A J@++ G,@J EG GE-C)@ %
0 V$ 0 8$-SE (OK +@C J@- @ J + B@ B +B @++ A +-
B@? ;=PN % 0) 0 S2! B@ +--U ->A @,,
- !@GA ?EC- @2 AD B@ @++@ B C J C@>,@ ;M<N
) - 0 E 0 C SS e M ;PK + ->,D E@ A A -C -A@
A+@,, .@A+ O@ A.2 +- @+ $>,@ +- @+ + -A - A-+B@C
- JC@ @A+ 8 A @S ? J,@ -C J ++@CA(-C
-+B@C +- ,,- + - A+C-D> @ 8 B -A(
,[;QP $- 10 & (P -D ,? B+ @++@ > E A@ $ $J&+
1 . C $! SS % %C +2 @++ AD B? @A >?J,@
+,C .B+ ?@A ;M=O = . *&!(- , 0 e ;O PQ B@ C
3? +@C %BC + . @ +B@ ?+B JC@ @J+2 AD @+ +B@?+B +
@S ?J,@ ;Q;N B - 0 83 ++ S M(8;QL=(KX
-+C @ ,, @ +B@ !+@J - +B + S ?J,@ B B B@ @+ > A
+B@ 5,@ B ;QKM , &,& - ;; ;LN "-?@C B A.
JC@ E@D +B@ -C? -C2+- > @ ? -C@ ?-D@CA +@C ?2 @ +B@
B@? - J &-@? ;KMQ- & - 0 & D0 : LQK
B@ .A - / A B D@ @A+2 B>C G+@, 2 @+ +B@ @S ?J,@
- , ,B+ ;KKL (-< - K;L L "@ @+ J ++@CA -
-A+C- @C , - ,@A A @ @ +B@
,@ -A ? - + A@@D@D EG ,, J C+@ ;K<N !
?$ 1$ & $ S O;L B@ @A-@ @ AD @A@+ A
@+ +B@ ? -D@, - +B@ @ @, ;K<P : .6 B &) 0
? ! % P= B -A2 +B@ JBC @ .-@ 2 B +- E@ ? @
E - J>+ E@ -C@ J@C -A 8 J@ ?@A - -CU(
+- E@ -,,- @D2 ? CU ->+ 8+B@ ,A@ (-A B B B@
+- -CU -C JC- @@D
>" (A 0 (>< P 7 @ +--U@ B ? @++ A.-
E-G@ %-J @ #! WHS TH C$- 0 , %B ,DC@A -,,-
+B@ -J @ B B C@ @+ +B@?2 ,$% + 3)7 - 0 8;QO<(
PKM , U2 A +B@ G B B B@ B +B @+ +B@? ;Q;=
1 0 & $ "!! ;M > . 2 ->,D +>CA C + A. ? +@C +
+ AD @+ -J@ + - B ,DC@A ;KMO . ! 0 " 0
< " - $, 5 ,0 < B@ A +C> +-C ,, @+ = 50 J@C -C? A
+ J@C @ + ? AA@C(@ B @S@C @ O<;0 ,& 0 0
A 4<L!> @ >, A EC @ ?, + CG ? J .A -A ,A@ @+
-C B ?EG B C >? + A@

i 3 - + C+ 8 BG?A2 @+ (-C -+B@C +-+ U@>J

CS=PN A > A . ,, @ C 8;)N(L) B@ B@ @ B >A+C@ @
- E- B C.@ +-@,-A.@+B -C +- @++@ B@ -A.@ @>@A
AD ?@A >C E,G 5850 * 0 - OK= 5 P2 : B D
-A@ I(G @+ +B@ ">ADC@D+B & ,?2 AD) A.+B@ C +
6A@? 3D@5 +- J>+ +B@ %@?.C@. ++-A A+o +B@ >A@ ;QOM
($* ((?&"! 8;QMK(;=K #A@ !>AD G +B@ %,@CU
B D @+ +B@ & ,+A ;Q=0 -) 7 %& 0 2 , C
B->,D E@ @CG ,, A.+-E@ E %,@CU -C B B G->UA-
: ?I> , @D2 E@ A. E,@ +-C@ D2 AD +- @+ & ,?
D A , $ -C C @2 & *$, +- JC- @@D
+ C + @- J@@D +- E@ -,,- @D EG A-+B@C !-
& & . 8 AC- A.(
U OM) $"> $ (3 C LMQ 7 ,U A. +B@ J @ @+ EG
B@C J>a ", SK) O JC =KN S , A2 A +B@ % ?EC D.@
E- + 2 @++ A. ,-A.@C +C-U@ ;K<K (8 0 $, Z7
"@ ,@ D A. +B@? +C .B+ -C0, U?--C +@2 AD B@
@++ A. J->AD A. J@ ;
@ ?&2! % @+ 2 8!@@ !>-+ (
XKKM (&- & 1.(2 + @ B C->AD ^- U++,@ a
+B@,- @C B +- @+] @ +- S+B@ J-+ B@C@ +B@ E- , B ,,
E@ D@, @C@D A +B@ A@S+ ;K<Q , " ,!0 *& : ;O< 0 8O- , (2
!? CU & 2 -C! "EG+B@ AA@C o A@AD +@C
+B@ @ -C@ B E) A @++,@D
MM - ,,-+ -C @A*- A 8 + U(%-A +2 D + @ -
J@C -A -C)*& 0
A ?-D > @ - +@A *$ (D- B + C@I> C@D+-E@D-A@
$5") & (O<NNN %C +2 B B@ @++ @ B+ A ,U
I> ,U C(?E-A@ -C+- U ;M<LQ), 0 e ;OQ 8;M<<(
OLP !@+)B ? > B B UZ+- E@ D-A@ A > B + ?@2 ? G
,- B ? >V-JJ-C+>A +G+- E@ D,@ SKOS V !2 (
SSS $@J@ + A.+B@ -CD ,U@ + U B B @ B ?
X\b 2 BI A " C@ % 8;KQ<(:;KQ 7 B,@ +
-CU A.-C @++ A. -CU2 4K=PY 6 V &!! $ >
)2 ;) ,- @?G D- C A-+B@C ?-CA A. +@C+B@ C + @
?A>+@ 2 AD +B@A @+ ?J- +-A ;K<Q = (
2 & S 2 ,B, A-+ @+ B ? AG+B A.+-D- SKI)
$, (5$-0 ;h :>A@ P ; B@ ? +@C2 A +B@ B E +
- @++ A.,@ -A -C+B@ B,DC@A+- -CU >J-A +B-?@ +@C
B--,B->C ;K<0 $ @ ;OQ >,G Q P B@%,>E @C@ @
<= C>A+- A ;K<O ! %)@E ;KK S 7 @ B D ->C -CU
@+ +-U@@J >J +B->AD
E B [,(- JJ- A+ +B@ ?->A+- 8 -CU
+- E@ D-A@(
4Q=L &) < 0 ? 0 8@D L(;=; B@G JJ- A+
+B@ 8F> A+ +G@ B /C@D.@C? A B3 + U@ A / G2 B B
>>?,G ,,@D !@++ A. +B@ !+ A+ SKMK *
&2 + SS 2 B@ ? A .@C2 C@ D ->+ +B@ A ?@ 2 J- + -A 2
+ B + ?@ C ->?J + B@ +B + @C@ +-E@ @++ " -C +B@
-,,- A. ? -A+B SKK- / % 3 $ E % 0 7
-@ E C. A -C -CU+- ?A@C ;<NN $!" 2 L / @
4N L B- @ -+B@C E C. A B B + ?JC + E,@ +-
-A +B@ ;<+B AD ON+B - @? E@C ,,E@ + @+ >> , -A +B@
?@D G 8/@ @? E@C P+B(2
- JC-J->AD 8 !>@ + -A -C @ - !>@ + -A (
+- E@ -, @D -C A @C@D +- JC@ C E@8 E--U(-C
A@S ? A + -A -C ->C @- +>DG
4Q448 @ S a ;K=PY 6 a &!! $ <) L;Q^6,
@A E,) 7 ,, ? -A + -A @C + -- +B@ @+B ,!>@ + -A
+B +B@ * - $ 1$ - + - o +B@ @S ? A@C B-!)+

[illegible]

[illegible]

[illegible]

E D,G

>

!

Q! 7=-**4- *6- (00(K-1- *7? ,((01+/ ?70
3(**4- - J < @ D U

,4ONP OQ=LN H, U A. - B -,U@) CU@D@ @CD@
& B@ , @% \ ) @CD@A @?@D 4!<Q $ < . B
8$-,, (=LO OC>+ -CD@ A@D@ - +2 AD @>@ B-CA
, B@ , ;= M) 7 - 1!" 8 <& ML= B@ JG
+@GA O^@* + +- @+ BG @,D@ AD -,- -A +B@ B @2 S)
8 @@ - .) KEa2 O >J 9 %@C+ @ 7 ,@
-C +B@ -CD@C A. - ! ->,D ->C A E ++@,C Gb AD @++ A. -
E ++ ,@ SM-K 1 ?" &'> &' * 0 "=2 : ? A-+
E@@ +B + A @+ ? G ! I> DC-A ->@C A .B+ 8@+ a

! : 7 1(J- ,(*(34-/ 0-(<+ ?70 (1-(4
=L0-(< ,(*(34-/ * ?77< -*D 3 7 4(+ ,(
1-(4/

,OJ % ! .> 0 <QP !B@ . A +B@ B-> +- D .B+@2
AD + E,@ -C+- @A@2 $ 4P=Q A 5- EC--U@ ,&' 0 &) %
8;Q<M_ K= B@ B-CD@ 7 D @C + ?@ @+ 4PQP <$ -) (
<) &' ;; OL 7 +B@C@ A-A@ + B- ?@ +BG D AA@C 8-C+- @+
4Q))) (?$, ! B@ .--D -,D "> @
@2 +> U A. >J B@C - A2 B@ E,@ @+ O>0& = =
!! ' S "@ D@ ,A@D J C+ U A. - +B@ >JJ@C2
B B @++ A. -A +B@ + E,@ SKMS - *! ?$: L=L -
AD @+ +B@ +@ ;!Ki: 8)7 $ - ! &!!" :
SSS ,- 1-> ? G @,, @+ +B@ + E,@ -C+ - S!J- E'E
O> $! (>. PKN + E,@ @+ +B C@ C@ B?@A+

7 (00(K- *6- D747E0= *6- <-= 0-< 70<-0
7 ,(L(4-**-/

\7" $'(!C$ ' ' ;OM - @+ J ,@++@ +- CC A.@
+B@ + A+ AD -,->C A +B@ C D>@ -CD@C -C @C @2 S)
I $' $ $;OO O G +B@ @ !M, @C@ E .
J ,@++@ ,C@ DG @+ 2 -,->C E-S2 AD B@ - EC> B@

! ; 5 7 L4(D- ,*+L-/ *6- 70<-0
W6 D6 * = *7 3- L0 *-< ?07 1U *7 D7 1 L7=- =-*EL
,*+L-/U 6- D- *7 LE* ,1(E=D0 L*/ *7 *+L-
? 4=7

;PLN) # Q;; O 1->C -CU@ ?> + A@D@ . - -+ CD@2
-C : B @ ->C@ +B + D- A.+BGA. @, @ E>+ @+ >J-A + 4PLP
:-1 *&! ' $! 8 CE (ON : -CC@U@D E>+ +B@ , @ -JG@
B@CEG AD + C BG B@ +B@ JC A+@C DGD @++@ E E-U@ L%
' ' ' $!C& - =OK JC + 'D JC A+@C @++@ AD
D +C E>+@ B@ C ,@++@C ;MLQ 8 @@ o , Qa 4QNK A
"@ CA@ &!! , 0 8# " ! (:: ;OM B@ +B CD B@@+) +
4KLN 3 & !!$!@C O=; B@ JC-JC @+-C -
+B@ ->A+G A@ J J@C2 B- U@@J +B@ D @C+ @?@A+ - +B
? + B,@ ,, -A + A+,G @+ SKM= $!" !0 OK :>A@2
@S+2 +- +B@ -?J- A. C--?2 B@C@ BAD E->+ @ @A+G
?@A + -CU T @++ A. ? ,, C J - -JG E@ -C@ +B@?
;K<O) &) 5@E OLO O B@ +GJ@ C-? B B +B@
-> A , @+ ;K<< 3? K JC LM O .--D -?J- Y
+-C A @+ ;O2NNN ,@++@C D G

! 7 LE* ,W70<=/ 1E= DU *7 W0 *- ,(
1E= D(4 D7 1 L7= * 7 / D-0*( )7 D-= 70 =*0E[
1- *= 4=7 ,4-== ?0-T (< 7W *7 LE*
,1E= D/ W70<= (<(L* ,(1-47<+/ D7 1 L7=- ,(
*E -/

;PN C "C) 5*0 !O(& . 8;K)(O 5-C @++ A. A
A+B@? - ->C@ , DG AD !?A+ , X E@+B 1 0 KL +@? +-
%-CA B@ -C @++ A. - CC ,,@ >J-A % +? D G $ 4P=K
' .. &'0 '(K S@C GA. BG? @, @ D ,G
2 A @++GA. - -A.@ 2 ? UGA. - E ,,@++@ 2 \ D D @+
.--D,G ? @ 2 @>@CG - +B@? G>@ J C+@ SWM- B +C
! $' > &- - 0 OLL B & ,?@ B@ ? D@ + , - A ?@+C@2
AD @+ A-+@ +- + SM-- ( ) - - $ O
"@ @++@+B A+-A -A. A+- +B@ >+@ 4MNQ 1
?) " ! -1& MQ %-A -C+ + +- ->AD -C+B B CY
?-AG !@+ +- +B@ ,, - U A.D-? S) = ! + &-@? -
3C :-BA 3 ,+-A B@ -A. @C@ @+ ? 3> +@U EG 3C
"@ACG @ ;M<L < > *# ? % !(8;KPQ(;L=
A@ -A -C+ - ?> U2 B@C@ A +B@ -CD 3 C -@ @++
+ +--U >J B , @ A B->C A A. A.2 $;QNN 3 . $ "
< >.) 28 " @aJ, @D <-C X- +>A@ -A +B@ E@,* @CG A@,G2
-?@ - +B@? @+ A J C+ 4QM . " $ " ;<
&* "0 AD G-> C@ ,,G +B AU + @+ J C @++ ,G / @ Y
,.B+ >,,G` AD >A.] # B@ @A 4QQ= A :@ @
!2 "' P &' - *0 8;K==(" C @+ +- +B@ -CD -
-A@ - B - A E ,, D SK S .. &' @+ ?@ @+
? G ?->CA >, D ++G - ?@CCG ?@ >C@ ;KQN
' & & &C@ 2 !>,, A B D E@@A @CG > @ A>, A @++ A.
> B -,D -A. #CJB@> +B B ,>+@ 4K<4 $ ((
;= - PPK O B@ J-@? @+ -C B-C> AD -C B@ +C

.

$> O = & -XX %&) - 0 $', K "@ @+ B + ,U +-
->AD A. +>A@ O +0 = . < !? $ S S 8$+,D. (LQ;
@+ ->+ - ?G .B+2 -C B ,, @+ G->C &!% & A CG A.
U@G SKM) .. &)' $' (S <O %,-+B A. +B@ C .
+B J,@AD->C2 AD @++ A. +B@ AD +- ?@,-DG O >0 = .
?) . 4 ON< O>CU@' ? AD A-+@ ,G @+ +- +B@ @ +>A@

7 7 3- D(L(34- 7?3- K L E* 1 E= D *7
K7 ,W@YY/ 1E= D

: 8 - 0 .0 <!&, 8;QK<(KO "@ +B->.B+
+B + +B@G ^+B@ @C @ a ->,D @+ @CG @,, +- ?>

!# *0(= - 7 1(J- EL ,(=D- -/ 7 *6-
=*(K-U *7 (00(K- ,(*-1 7? *6- =D- -0+/ (
L(0* DE4(0 W(+ 4=7

O>>O) , 2 ! C2 +B@ @A@ @+2 AD @ @CGY
+B A. C@ DG +- E@. A SK) = &> &'
;; = "@ A+@D +- @@ B- E@ B->,D E@ C@ @)
B@A +B@ + .@ A-+ @+ A-C @C@ +B@ , ?J +C ??@D -C
B C@ @J+ -A 4K<N $ C $ 0 :>A@ MK O B@ J , @ -
+B@ O-C. @+ ?-D@? J-+B@ CG' B-J S!)
!!) (' 0 2 OL :>,G S - O B@ + ?@ A@ @ CG -C
@++ A. AD B A. A. @A@

Q " =+ ,

! 7 LE* (-<K- 7 ,(DE** K =*0E 1- * ,
(0(I70/ 4=7 , ? #; /

A C + I>-+ JJ . JBC2 &) *&' &' +- B CJ@A
8 J@C -A(>J)
4=M4 = 7 A C((MO -C 7G,, ?
7 GC@@ +GC2 B@ B +B@ E@ @+ - #J -A +B@ B-A@2 B + EG +B@
J C -A AD EG -+BGC2 +B + +B@G B-J@ B@ -,@ D- @,, A-
! 7 " ! 0 LN +-A@ +- B@++@ -C @++@ +B@ C >C@
+B ;MMQ 9) % 8# " ! (;OO !@++ A. C X-C2 O (
SMK- = L , (5 ,0 S ;< + +@C CD !@+ >J-A
7

C->AD 7 B@+ +-A@ ;MKQ < ' C 0 ;< 1->
B @ .C->AD +B@ J@C @ >+ A. UA @2 AD @+ + +- C X-C @D.@
-A , @ 4Q=< . o < ! ? $;; 8;QK (;MP @
AD + -C X-C 2 +B +B-A. - ,@ +B@C +- @+ +B@? SKSM
& C A S 2 B@ B@ D ? A 5@@, +B@ S@ E@ B CJ
AD +C>@ ! A @ B@ @+ + @D.@ A@ SK) o
) ' A A T @++ A. " +B@ +--, 2 JJ,G @ DC-J - @@+
- , +- +B@ CU A +-A@ 4K<!) &) JC LKQ ;
C@ ?G C X-C @+ G@+

E . JBC & 1 $ * -C . ' +- E@
B>A .CG -C U@@A 8! @@ , - 1" D
4P=N) # ,&!$) A 3 *2 3 G ? GAD + C@DG A
+B@ J, ++@C -C D B@ ? B CJ@ @+ SM-M
0 % <= O@ A. @D +@?J@C +,G2 ->C ? AD@ ? G E@ +B@
B CJ@C @+ +- ,, +- +B- @ -+B@C D A+ @ ;Q<K /) &
& % $ - + X- A ?--+B - , +B@ C X-C E@ + B@+2 ! -
+ J-, +@A@ B CJ@ + @+ > " # 4 ? $!!
,, KN "@C - A JJ@+ +@ U@@A@C @+ +B A > > ,
4K<L . $ 0 (0 % ,$ OO2 : UA@ B@ , -A@ a
?> + E@ JC@++G U@@A @+

! - D*> + 8+B@ +@@+B - (EG D@ ,@ + A.
+B@? ,+@CA +@,G A -JJ- +@ D C@ + -A - +- JC-Y
D> @ U@C - +B@ C@I> C@D D+B , - & $ $2(
;MQK & .(5 ,0 <= B@A +B +B@ ! C@ +
2 +B@G @+ +B@ @@+B - +B@ ! SK-M : Y
) - 0 % 8@D L(QQ " A. G->C ?J +@A @ --+B@D
EG +B@ @++ A. - 2 ,- @ + G->C @ C ;KL= M 1
A ',",!0 & 0 8;K=P(: LKO A A. ,> E,@ + ?Y
E@C +B@ +@@+B C@ A-+ +>CA@D ->+ - ?> B 8-C +B@ -CU ?@A
+@C ? +2 @+ - + AU(-C - C @ B@ J +>

?!! 7 *E - ,(=*0E1- */ 1 0

4=Q4 ,)" !! 8!-??@C(LO= #CJB@> @++@D P
@A+>A@D B B CJ@ ;PLN) # Q;= ;2 : @+ A +>A@2
?GA +C@,,@ D- +B@ C A +C>?@A+@ - ?> GU@ 4P<N 1
,0 $ &' O LV D->E+ A-+ @ B ,, E >@ %-CA@, >
+- @+ +B@ @ A +C>?@A+ A E@++@C +>A@

!& ? 7 *- *-0 ,D47*6/U *7 =*0-*D6 ,4-(*6-0/

;=)L ' '&.! T &' 4 + QK B@ >,,GA. +@GA+@CGA.
-C @++GA. AD B@CGA. - >,,@A ,-+B +@GA+@C@D @++ AD
DC @A ->+ A ,@A.@+B AD EC@D@ ;KK= 4) 0 , 0
!>JJ, Q<Q X - @+ D@ - ,@ +B@C2 + JC@ D >J-A +B@
+ E,@ B@A @+2 AD ?--+B@D ->+ -A + ;K<Q % 3
$) %0 $ 8@D O(O;Q + @,, +- B @ +>E - +@C
EG B- +@ - +B@ +> A. + E,@2 AD D J A @ B D@ +-
- +@A 6 E@ -C@ JC- @@D A. +- @+ +B@ ?@

2 7 LE* ,(307J- 70 < =47D(*-< 37 -/
L7= * 7 (<(L*-< *3 *6- 0-=*70(* 7 7? *6- 701(4
D7 < * 7 4=7 =(< 7? *6- 37 -

! > .@ ' $ 8;KKO(;<O - DUGA - O>CG2
>C. -A -C @++ A. - * D-..@ ,@. S KM . ,$ $
8!-??@C([;= L2 GA@ B D B@C B->,D@C J>+ ->+ -
- A + B B +B->.E + @+ @,, . A@ ^@+ a ;MQO
o &)' ;; Q; + D->E+@D2 B@+B@C +B@ O-A@
!@+ -C A-+ O-A@ !@++@C @A+ -C) S)
$! - =;;) Q B@ A@ 3 A B EC-U@ E @ .2 B B
- ,, @+2 +B + B@ A A@) C D A @ ?-C@ SK + +
) &1 & 0 7 C + ;K<O: ;NN D ,- +@D C +2 >A > @ >,,G
@+ SK,) ',",!(? 0 4 4 , MKO ; >C +@ JJ- + -A
+@C ?@D T @++ A. +B@ C +>C@ +B B@\+ D-A@ EG 6 @ @SY
+@A -A - +B@ , ?E AD - J+ + -A - +B@ EC-U@A >C @
;K<4 C ! ;= - QM; O / - . E-A@ --A @+
% 0 $;!<4 " . o - 0 8;P<O(=LN &C D@ D-+B EC@ U@
+B@ 2 @2 B>? ,+ @ D-+B @+ + . A@ SM)Q - *!
&1! MP 7 B@A U A.D-?@) -U@ I *> + A +B@ A@ U
*-GA+2 C-J@ AD B + B@+ C@ A-+ +B@ U AD, @ + A +C>Y
?@A+ +- @+ +

: & 7 L4-(* ,(0(??/U *7 (00(K- *6- L4-(*= 7?
,(K7W /

SWL- . 7 QSN O; @+ .- A@2 J>+ +B@ J, G+) - +
A -CD@C A A + @++@ .- A@2 A@ @C A- + G,->C
;PQM < 7 < % & % B& " 7 U ;<;N PL= B@G @+
+B@ C C> @ 2 +B@ C> ,@ >J +B@+C@ B@ C@ !!"! 1 ' .. $ (
2 " ,AA@A -,, C EGC,A+B A @+ SMSS < 7 !
<& '' ' %) +- @+ C> @

Q & : 7 (<ME=* ,7 -2= (** 0- *6- 6(0/

;LNL $ $' !("''' LONM Oo A + JC->D - : G
@CDU@+ 1A &! B@C B@ +- +G @ AD @+2 4M<= < &
) - * 0 / @D 2 %- ?E A. B &@C>U@ AD @++ A. B %C +
L%O@I) "@' + +B@ .C@ + #,) A +B@
/ AA. $--?2 @++ A. E %C + AD 7 . SQ4 ,
$ &,. ; ;=M B@ @ @+ +B@ B@ D2 AD +B- @D D@ +B@
B C ^;QOO . &' ,0 & ;; 2 !> B A >+B-C -AY
>,+@D A 3 -CA A.2 @+ +B@ !J C + -C +B@ +>D@ -
+B@ / G+ E@++@C +B A +B@ , D-@ 3 A &@C -A2*

& ; W " 7 ?R *6- *-R*E0- 7? ,(?(30 D/
? 0=* TE7* YN900 7? (*(0*(U 7 6()- (L(**-0
7? (D-0*(J < ,D? ' : 3/

4MKP * (- $ - *1 !!4(5NH + ;;= +@? A@A@ -,-C@D
-? A @ C A. JB>D2 ?- + @++ +- E-D G C@D +@?2 A@
.C G EC-U@A J, D2 @++ ?- + +- +B@ .C@@A 4KL< 6 0
4NPM +B-C->.B UA- ,@D.@ - +B@ D J+ + -A - G CA
- JC-J@C D@.C@@ - A@A@ +- AG . @A ?@ >C@ - C@@D
B@ C+ - J@C -C? A. +B JC-J@C,G UA- A EG+ @A ?@
- 5$ - ' ' (' -C ! " ' 0 SO.S & . (&!!(5(
! & (6 - S J OG +B@ @++ - EC ?@ A+ +B)
A>?E@C - +BC@ D + -A+ A A . @A J @ B@C@ C@
.C@ + ? AG +B A. +- E@ -A D@C@D A @++ A. AG EC

& 7 (00(K- ,(3E**-0?4+ -*D / (= (- *717[
47K D(4 =L-D 1- , ? +, : #7 /

SKMK *(E0 (&- - &' ,0 8;KM<(L;Q A @++ A.
,-A. ,@..@D J@ ?@A 2 I> C@ J @ @ - + J J@C -C CD
B->,D J@ J> B@D >J-A +B@ J A >AD@C +B@ A @ + ;K<O !
SK :>A@ <N= S T !@++ A. +B@ A @ + 2 B B ?@ A +B@ JC@ DY
A. - J@ ?@A -A E,- U - -CU -C --D +- DCG

&# 7K)- *6- 0-TE = *- (<ME=*1- *(4K 1- *
70 =6(L- *7 ,(1-D6(D(4 D7 *0)(D- (=*0(
1- * -*D / , ? /

4KQ< $! , '( ),(=;L O B@ C->.B ? U@C 2
?--+B@ - ,, +B@ B CJ @D.@ AD T @+ +B@?2 @ 2 E@AD
+B@? A+- .C @ >, AD >A -C? B J@ - @C E,- U SKKS
B 7 &$, 1)! ' QK !@++ A. S,@ . A. +B@? +B@
E@AD AD ,-J@ C@ ? C@D SKKM 9 . 7 , "
< ..8 && ' 8O D? EC(:QN B@ A@S+ JC- @
+- @+ " -C +C .B+@A +B@ E CC@, A D@ $ O) ' 77)

$ - $ 8;K<<(OOO O@ A. E,@ +- @+ B@@,
E@++@C +B A AG-A@ E->+ B@C@
>III - .+ %%

& 7 0-KE4(*- (<ME=* 1" (=*(<(0<U *(*7
L * ,(D47DJ -*D / 0 K6*

);L<; &!$1 ;; e L - E >@ @++@ ,> +,G
,-UU@ ;M=N .) [C &< - $ ' 5C .? >C 8;M=K(<O
A %->C+ +B@G D@+@CA A@B ^+B@ UA. a .--D EG B D@ C@
B B U AD - @++ A. +B@ !>A EG +B@ / ,` ''
,,$ 0 %!(S 8;MQP(O)= , ++,@ !>A /G ,2 >CA B@D
+B A @S +@D @@D,@ +- D C@ + E- +- @+ + $
0(* ' & ' 7U 8;<NQ(;<M F> C@ ^ ,- U ? U@Ca D-@
A-+ @+B 7 + B ?-C@ +> ,,G +B A 3 +B CD-@ E >AD@CY
+ AD A. ;QMO C !($' (,, PQ< B@ ;M+B2 + A--A2 :
+ J@AD>,>? ,- U +- -, C+ ?@ OQQO 3 $1&1
8;QQ!(O; - @+ E + B EG -?J -A' ,- U A +B@ " ,,
;K== :))) & . &) !&,. K B@ # @C @@C - +B@ &--C
@++ A. +B@ 7 -CUB-> @ %,- U ;KPN " '!0 0 ,0 & 0
4 L<Q 7@ + B A,G @ @CG ,->D AD A A @+ ->C
@ +B@C ., OK)Q %) &- ? &2 ' 2 B@ ,,G
B- 8 - Ba + J+-J .-@C2 AD -J>A +> , +B + ,, +B@
C- D @+ +B@ C ,- U EG B@C

E +B ?? +@C , -E*

;M<L ") ,0 e O= 8;M<<(;< B@ !@ -A A. AD
%--U@CG B B EG %> +-? +B@G ,0 ->C J , +@ a C@ @+ +-
OM<L &' $) 2 &,@ 'D2 B@A B $@ -A "@
D@ @ @ AD @+ B :>D. ?@A+ EG B & -A OQSQ)
!- $ KK "@ @+ ?@A' +B EG E -J A -A

KM 7 ?R *6- (17E * 7? ,(? - 70 7*6-0 L(+[
1- */ L * <7W (Y(D-0*((17E * % 8 %

,O=ON A #9 C&!(C& - QM AD U-> AG,+)@>@ + ^C ,- @a
?@ !@++@ JC +- @,,@ + OPOO $!$&' 8 @S(1 ?0
)Q C>,G >C AD @++ ,? A@C - ?@C G ?@A+ ? D@ OPOW
A ,, 0 0 !@C : O= - @+ B C >A -? + '
-??@ - ?-A@G C@ -A E,@ OPLO O , OL '0 !
Q - @+ +B@ JC @ - ,, U AD@ - GA@ OMPL ") +C
C ' &> $ 0 SS "@ J GD -C ,, +B + B@ E->.B+ + +B@
JC @ +B@ @,,@C ->,D @+ OM<O " &' 0 &2 0
' 7U ;Q;= P B + AA-+ U@@J 3 @A C-?
+ U A. ?-C@ 6 @ +B A G-> @+ 1 0(B@ $ +@ G-> @+2
JC- + A-+ +B@ @AD@C 2 AD @CG @ - +B@ O-CC- @C OQQN
7 C!) $, (, & C ;L @CC@ E@ A. +B> -AY
D@?A@D2 % @C- @+ B A@ + QPN2NNN DC B?

7 L4(D- 1- *(44+U *7 =ELL7=- -=* 1(*-
? &! 7 L7= * (==E1- =ELL7=- %60
,=-- ! :;/ D6 -?4+ 1L-0 70 L0-=
LL4- (= -TE)(4- **7 (D7 M = =ELL7=- =ELL7= K

$ AJ&+ ' 1 . C $! K ** = C@+ @C+> A ? A B@A
B@ DC@D A ,, ? G ,, -C B@ @++ aV@ @C + ,$J>&
B > &E) ;;)Q2 @++@ HL -C +@ U\+ 1o DC@DD@A
(V 3@A -,D@A -ADC@A +- @ BG? -?@ -C .-A ,OLKM]
!10 POP 1@+ @++@ : 2 G@ B @ E-+B@ ? .B+ AD
, @A @ -C +- @A.@ G- OL)) X 0 & S
8!U@ +(M=2 @++@ A- +B@ E ?@ + CS==N 8 @@ I Q
AAV OPMO ' +C $!&' > &) " 8;PQQ(4 *2
!@++ A. @ +B@C@ -C@ +B E@ - A%JA ' ..) ")*$ $
OO< !@+ @ 2 +B + ? A B->,D ? U@ - ?> B - +B- @
D-. BUB G-F U@@J@ A%/O B $2 < $, E'3
%&! .N OKM !@+ +B@ @ +B + +B@C@ E@ + - ?@A B-
? U@ - @A A+2 A>A% .3 &"0 &)' & ! &C@
ON !@++ A. +B@ @ : B D A-+ +B@ C A+@C@ + + B@ C+2 G@+ +
-C ?G A+@C@ + +- >JJ-C+ +B@ C

&& 7 L4(D- 1 @*(44+ 70 D7 D-L*E(44+ (D-0*(
D(*-K70+U ? *7 0-K(0< (= 3- K ,=7 (< =7/U *7
D7 =<-0 ,(*6 K/ *7 0-=<- 70 *7 <-L- <
,(7*6-0/ U Q *7 (**0 3E*-

OL ((!! (K F>@C@ - @>@C ,>. . @D .@ ? ? @X
. G@2 @++@ BGC @A.@,G A GA.,>C@ OLQP ?),
KOM B + @ ? C - ?GC U ,, - . -D ,? G B+G AD
+- A- B+ @,, + @+ A OLKQ ' ' 8$-,, (
K; " C A> 2 -C B@ -A.2 @++@ , +@ - aV@
@ ?@A)O=NN ? "' OOQK ,, U + @ @C ? A B>,D
2 = H 4 k > (>:4 @ @ 4

C@ ->@C
j j j j j j j 2 j j j j +B ? @+
B @CC G @U@CA@ @ S) & - * 0 ,& 0 S ;=; >@CG@
? A @++ B @, +@ +- D +C-G B AG@E+E->C OPQM 8 9
) && - - & % && - $" 7 U ;<;N O=N "@
, G@ @++@+B B @AD A +B A.@! B B E@ ?> + B @ OMN=
8 @ o . ' A 0 ' S =M B@G @+
B C A C U@2 G A. + +B@ ?@ % + @ B B
A @A+,G ,,@D % C+B .@ OMKP .) # 0 ? 0
ON< B@ A+ - U ,, ? G ? U@ % C D- @+ E ,D @,D@C
+B A B@ ->.B+ +- B @ D-A@ SK) !) (<! $'(
!@C ;; O;) + -A @+ 7 U, E C+B A +B@ G@ C OLO=

3 7 L4(D- ,(L-0=7 70 *6 K/ 70
(7*6-0 -=* 1(* 7 7W ,

WELLKL A ' 0 (0 # + 8O<;;(Q=Q $@, . -> @ J-
@ -A@C B>,D@A @++@ E@ -C@ H* % ' %H U@ -? >AD@
?@AD - .-D OLKQ ' ' 8$-,, (<<J + E@
? A@C@ AD Uo > .@ - , B-,G A C B@ - C@@ 2 - + ,G2
- $-? o2 - ,, 2 AD - 5C >A @2 B>,D@ E@ @++@ +-
-C@ Uo ? A@C@ AD > +-? - - ?@C - Uo -C,D@
,O=NN)! (? - 8 @C @(O=QP !- U + 3 Wo+ A-A @C+B,G
U A. O@ -C U@ ,> - C + OP< ' B $ 0 <!&1 &C@
8" U,(XM B@ @ ,-E@ 2 ? G*> +,G E@@ JC@ @CC@D E@ -C@
,, -+B@C +B + B @ E@@A @+ E@ -C@ +B@? A%& = .
&''0 S>> ;O / A+@ B ,, . @ 5 ?@ ,@ @ +- @+ +B@@
B .B@C B@A B % @,, OMQO] $- &' OLQP @A+>C A.
+- D J,@ @ -D -C +B@ @ C - 3 A2 AD 3 A JC@ @C2 !@+
-D E@B AD OQ) * (&1 $- O=K AD *> +,G @+ +B@
@? E- @ +B@ 5,- 'C

&" 7 ?R *6-)(4E- 7? ,(*6 K/ T =7 1ED6
70 '&

% +B@ C@ @C @ -A +C> + -A A @A @ =L
,O=MN 3 1 0 % ' (&'0 S 8;KKP(;L; B +
^C ,+a A- @++ +- - .C@+@ JC @2 U + +B@ E> B@,a2 E
+B@ UGA. E,@+E -C ,*) -C * 2 -,D@ +- B J@J,@ -C *
AD OPLN) # : @++@ ?G B-C @ + ->C@
J->AD@ " - ?- B@ @+ G->B J, +@ + S) 9
) +C , &!$"> &"0 2 SS ;=P 8 B@ -?@Aa E@GA.
-A @ @+ + JC @ A-A@ ->,D ? CCG +B@?2 @S @J+ +B@G C +
J GD@ +B@ JCG @2 SMSM $ $ " 8 " U,2 !- (:2 ;N=
1 +B@ " -,, AD@C @+ J@JJ@C + +B + C +) +B@G @,, -+B@C
-?-D@+ + B @C2 ONOQ & ' (L= + +B@ + ?@
MK

[illegible]

"

=N= S B@ ,@ ,, B @ +@AD@A G+-' @+ B@A - @C
) @D
'@ $' 0 - + U'AJ2 - U 1 0 $ 0
4QNK & ' 0 < $00 - ==OK ;M ! + - 6 @A 0 G . @+
" " @ D AD

31 " ' (- JC@J C@ 8 - D(-C DG@ A.

;PO< & 0 ? . L M<Q - - >J @ +B@ %C + - DG A. AD @++GA . - DD P<N 9 " - 1&!0 e K >@CG @+ - +B@ ? @ - D B ,, ? U@2 B@A + @+ AD JC-->@D2 - @C J->AD +@C, A. XKSS !% ' , & PLP 7) S 6 @+ +B J-+ B@

E - ? U@ 8 -,->C(+ -C J@C? A@A+

XM- ' . .) ;SP - @+ ,, -+B@C -,->C +B + A E@@ D@ @D2 +B +B@*> @ -A@,G - @C+ A@ B@ CE SKK " ' ;P B@ EC- A -,->C A. ? ++@C - +B@ , S A +@ D - E@ A. C@ ? - @D +@A@D* -C + +@ BA ,7 ,,@D2 T @+

32 - > @ + - E@ - ? @ C ? 2 B CD2 -C C . D A -A +@A G + - >CD,@2 - . >, +@ 8 ? ,U2 @+ (

!] . (& - (" 7 B ,@ +B C@AA@+ C@ B2 -A@ J--A >, - +B@ , I >-C ,, +>CA -C @+ E->+ ;M2 ;K -C ON . ,,-A - ? ,U 1 0" 7 B@A G-> ->,D +> ? -C @+ ? ,U -C B@@ @2 ;QK= 8 . I $ " ' 5 - *!0 ;NO 0 - , A. 7 +@C2 ,, @+ +B@ %>CD A - ? @ D@.C@@2 AD S + B CD ;KPP " - !0 / ,0 * ,0 4 C ;LL G-> , G B@ ,G2 G-> ? > + ? > U B@ ,G2 -C G-> ,, @+ +B@ , AD ;KQ : 7 , 0 OOKM ; ^ " @a > @ . -,D@A >,JE>C@+ - A+ ? -AG AD @+ +B@ C>EE@C EG >, A X A. +

E * $ 0

;Q< " & ' 0 e ;MK / >+ B CC 2 B B2 +@C E@ A. -A @ @+2 ->,D +@C CD E@ - ? @ B CD2 +BY ->+ @ @C E@ A. - ? J,@ DG DCG 1 (' & % ^ !))*2 +B@ +@C ? > @D A +B@ JJ, + -A - , C@-> ? -C+ , B B D@A-+@ + BC + +@J2 -C D@.C@@ - B CD@ACA* . ;KL< \ + 7 && ' $ ' $@ @A+ ? JC@ -A - --D >+2 E@ -C@ +B@ AU @+ K=M ' !0 0 ,((;; =<L B@ U A @+2 +B + 2 + ->,D A-+ @ ,G C>E - ;KQ< $! , ' 0) ,0 << 7 B@A +B@ , ? :> + @+ @A->. B +- E@ C , .B+ +-> B2 +B->+ C@ @ A. AG ? JC@ Y -A - +B@ A.@C

' 0 -E@ - ? @ C ? -C -, D A -A +@A G 8 - ? ,U(+ - >CD,@ -C +>CA 8 - ? -C+ C2 @+ (+ - -, D G

;QLM . 0 & ' 0 ," 7 B@A + ^ ? ,Ua @+ -C +>CA + - >CD @CG I > U QQM 1 . ?) ! ' ' $ Q< B@ ->+ D@ 3 -C+ C @+2+B + 2 . C@ B CD ? ? @D +@,G 4KLQ : +C ,$ > & $ 7 @ G +B + 9 ? @B @ 2 B@A + E@ C +B->+ D@JC@ -A U ++ A. A@@D,@ - N ;O @A+ D ? @+@C2 ,@D I > C@ + + @S+C@ ? +G2 AD ,- D@D +B @ . B+ - N LN U , ;KL< ') C ' 0 " * T %&) ' ' 8;K=;(; P; 7 B@A +B@ CA B B B D + ? @ + - @+ S) 6 !0 (,0 &,0 " ;M B@ - , C +B@C + UG B@A @+2 AD @+ E CD B@A DCG XKM-
$ 1 0 - 0 & ' ;MK ! , @C T @+ TE@ -C# +B@ ,@ D ;KKL $ ' $ X 3 G O L -C B ,, @ J@C ? + +B@ ? @ + + - B A. 2 + - @+ - @C +B@ C@@U A. > ? @ - +B@ U ,, A. B ? E@C2 SKKM : .) ? $. > <) P; @C+ A -C+ - ,- 2 J>+ A+- +B@ - @A +B->+ +-> B A. 2 T @+ C> +G 2 +B@ E U@C ->,D G

D # C@ ? - -,,@ + AD @++,@ -A +B@ +-J - +B@ ? ,U

Z!" ,0 & ` 4 4 * PL B@ ? ,U ,@ + >A+ , +B@ C@ ? B @+

30 - > @ 8 C> +(+ - -C ? -A +C@@ EG +B@ JC- @ - @C+ , X + -A + - > @ 8 ,- @C(+ - D@Y @,-J A+ - C> + D - E@@ 2 @+ AD 8 , - $1 &!0+ - +B@ +C@@ E@ C A. +B@ C> +

$%OJ 3 . $ A) ' 0 & - *!0 $ 0 / @+ ?) (7 @,, O>DD@D -C @,, @+ C@@ D - +B- @ 5C> + C@@ 2 +B + B @ E>AD A @ - 5C> + O>D 2 XG X) . C !& 0 , 0 0 %$ 0 OP %-A @CA A. +B@ @A@C + -A - &, A+ 2 AD +B@ ? AA@C - @++ A. +B@ C 5C> + O>JO 7 . C& - & ' $ QQ # >C 5C> + E@ A. J,@A+ >,,G @+ $;Q<L F 9 !T 1& - % 1 0 & ' 0 8;KLM(LN; 7 B@A +B@G ^E@@ a C@ -A @ AD> @D + - B >A+ +B@ C ? @ 2 +B@G @+ ,, +B@ C> + ? >> 8 & - & % !& 2 OK 5,- @C ,@. + ? +@,G C 2 + , @D @+ @@D >AD@C -AD + -A B B > @ +B@ , ? - + - ? J,@+@ ,>C@ - ,,@. + ? +@,G @C+ , @D ,- @C ;K<L 0 C 0 5 & ' > 3 ! H. $ $!0 ;K + C-E> + . C- @C AD @+ @CG C@@,G XK* ! K JC PLN ; B@ J, A+ 2 @+ , C . @C JC-J-C+ -A - +B@ ,- @C

E ' 0 # E,- - ? -C C> + -D@ @,-J +B@ C@ >,+ - @C+ , X + -A , - D - B@ ? J EC@

[Q;K : ' ,O) 6 < $ 0 $!0 PL B 0,- - ? ! @+2 AD JC-D> @D ? @ &@ B ;QQ< C !0 $ ' 0 4 4 =QP 5@EC> CG - ? ,D AD A@ +B + +B@ ,, C> + ,- @C@D AD @+ ? > B >,,@C2 +B A +B@ JJ,@ 2 B B @C@ + - ? -A+B , +@C ;K=< 6 - !0 ` ,(&,0 4 ; ;QQ B@ EC@ B A-+ @+2 A-C B +B@ ? ,@ +@ ? B@D + J-,,@A ;KP= " = . . = , ' 0 8;KPK(PM; - ? CU B- @CG @ - +B@ E,- - ? B @ @+ SHS ! O= # + ML= + E->+ D-X@A C> + @+2 - B B S C J@A@D

J, A+ & & I) ;

;K<Q !E $ ' 0 !& 2 ' C 0 OL= 3 -A@G -C+ D A@ @C + - @+ + - @@D A \ +^ Aa

3 C!$ ' 0 -J>+ A B A. - + -A 8!@@ 10 LN (

4M<L = L , 0 5 ,0 8;QNL(O=< B@G AEB +B@ &, +@C A. B@A + , ? - + DCG22 @++ A. +2 +B + + - ! G2 C- @,, A. AD EC B A. + SKS & (. , (5 ,0 LN< 8&, +@C A. ($!& $ $ ' $ 0 B@ @ -CD E@ C +B@ ? @ ? @ A A. , +B JC U@D >J AD ,- +@D AD @+ 4K=Q ?) ! C $ ' 0 ;OK $@AD@C2 ,- +2 AD @+2 +BC@@ @ + -CU ;KQ= # &) ' " * 0 == +B2 J, +@C2 ,- +2 @+ AD + @ B +@A ,, @ 6A. +BC->. B->+

33 *31 ' (- @++,@ -C @ + E, B 8 J C+ >, C + - U(

4QKL = . . & %&!. 8;Q<P(LO; O->. B+ EG +B- @ B- C@ A C@ A. 2 -C @++ A. @ @ + - U 4KNQ B 7 ,(5 LL= " ,- U B E@@A 4;=N EC@@DY A. @ @ AD + +B 3 B @,?) 8; !NP(B@ @++ ONNN $ [K;< ' " !0 4 4 4 2 ' (+@C ? > @D A B@@J ? A . @ ? @A+2 B B . A @ +B@ J U A. 2 B-- A. 2 AD

@,@ + A. +B- @ B B C@ +B@ E@ + -C ? @D -C +B@ J>CJ- @ - EC@@D A. 2 -C ? A. +B@ ,- U2 AD U@@J A. + - U2 1 %
$ - 13 &, . 0 K=Qj 6 % 0 0 ,(&,0 ;
;Q A @++ A. +B@ ,- U J C+ >, C ++@A+ -A J D + - X@2 - - , 2 +C@A. +B - -A + +>+ -A

E ' 0 # J@C -D - + ? @ -C @ +B@C -E@

- ? @ @++,@D f ' (;=M @ 8% 555!$09 ($ SK--< !? & ' A %B ,D ? $!!$ Q= ,+B@ @ @) C A. AD E CD +B@G A. ;KKN - =V &2 < & &(2 T B@ A .B+ B A .B+B - ? @ -A ? 8 . ? & 2 " 0 <K + @+ @+2 +,,C A C .B+ A+- +B@ A@ G@ C2 ;K<= $ * $ 0 5@E LP< ; B@ A .B+ @+ @CG -,D A

- , . 0(8 CC(-B @ E@ - ? @) > + - ? @D + - +B@ E- , A .

;KM)' !!">2 > ' &) * 0 ;OQ E + B@ D@ @A+ A D@ @A @2 +B->. B J>A B A. B ++@C B@A -A) @+ SKK $!" > !0 ;< 3 G2 B@ % - , -A , @C C ? ,G @+2 AD +B@ C>A ? @ +

;N ; - @++,@ +B@ .C- +B - 8 J, A+(A +B@ C .B+ G 2

VK=P !0 ,0 &,0 2 LL< g B@C@ +B@ , -@C A-+ @,, @+ ;KM= 1 0 4 4 OQP 7 B@ + C-,,@D A JC A. 2 + - @+ +B@ G-> A. J, A+)

3/ - B@D +-J>XX,@2 A-AJ,> 2 +> ? J + -

+ S +B@ C@ ->C @ - & ($!0
$/ % @+ SM-X . 0 KQ O A & ! (+ +B A @C
3 @+B) C! " S - B@ , @
? AD- ? @A E@ -C@ @+ AD+ - @@U@ ;MLL ' 8 ?
- * ! (0 !0 P; @ CA A. J- D2 & , - JB @
W@+ 4QLQ $ " - * 0 8;QPQ(;M= !+ AD A.
,, ? U@ +B@? ^ @@+a .C- -B CD22 +B + ,, @+ +B@
! ? +B + -DC @ A B- @ A. 2 $>&% # . 8 ?
O-EE A(2 $ 0 $!0 3 S 7 U 8;QPP(MO2 : >C
CC @+ + - .@+ @ +8 J- E,@(A @ >C B@A J A ?@
@@, - +B@ OC D.@ SKS<C$ $!& $ $ 3 & (5->C
+B-C->. B B J@D B-C @ ,, DC 2 +B B ,+G2 @ .B+
B B ->,D @+ @ -CD A CG-A@

3 $ ' (4 0+ -+ U@ >J J- + -A AD
J@C -C ? A>? E@C - +@J , @ & -A@
J C+A@C -C & +B@ D A @C -A -A@ C . B+ -C ,@ +
%B @ ,G A & * $ & ,& - 8 , -
,& - +(

4MPL $, $ SJ, %B C 2 !@+ AD +>CA A.,@2
A.@ + - -A@ E AD2 AD A.,@ + - +B@ -+B@C2 AD +>CA
A.,@ 1 0 ;! D@ ,2 @+ >D +>CA ! 1 0QO 3 @@+ ,2
E) A2 @+ + - G->C - A2 AD + - +B@ A@S+2 XGXS B) 7 .
(MQ < !+@J ,,@D !@++ A. 2 B B UA- A-+B-
+-D@ C E@ + - G->2 E>+ EG +@,, A. ? - B@ @CG C@
@C @ - O U + - O U ;Q< B $ - & $ ' ;=Q
E@D A @C C@@,D 2+B@G @+2+B@G C- @D2 +B@G ,@@U + XK-S
$ / U!#) - 1! 0 ? $!!0 ;K -6 U@A @ D A D
+BC@@ - ? @ C@@,2 AD O@++G @+ + - ? @ SK-M : 6)
) -0 % 8@D L(P; +0 -CA@C 2 , D @ SKS
9 ' &) $ % 8@D O(M 5--+ AD @+ C@
+B@ ? @ + ? @C@,G D A A. A G-> J, @+ - ,6 >J +B@
+ ? @ - +B@ ? > ' ' $ L B@ .@A+,@2
? A @+ AD +>CA +B A B@ , DG -A B E AD 1 0
4;< !@++ - J C+A@C AD +>CA 1 0 ;ON ,, @+ - -CA@C AD
+>CA B@G @+ AD +>CA + - J, @
$ % $ J[0 ? &0(0 $. & !
-.C@@A > @ +>C@@A 2 +, D,@ - +B@ ? @2 @C@ @+Y
+ A. + - @ +B@C A .C@@A D B

3! %$ (AD 0 o . @+ +> U i , - $ - 0
+ - ,,-H + - .@+ +> U

8 B@C@ J@CB 2 J>AA A. C@ @C@A @ + - +B A @A @ A
!E U $ (L 2(7 B@C@ ? G @ @+ ->C B-C @
V 0 +B ? GC@ (
! T # ; ($, (($ % ! 8;QON(
KL C+@C B@A +B@ C .. -A @C@ @+ A E D C- D ;QK
Y= . . V ') (O !@J+ ;QQM B@ J ,, -C
- @C+>CA B D2 -C- B@B@C U B . . -A2 -C +B B-C @
4KP= $! S ;KML(J,->. B . - + @+ +
+B@ >CC- AD B D +-E@ >+J>+ SK) 0 - (= 5@E
Q= ; -JC@ @A+ +B@ @++ A. AD , D A. - +B@ B@@, 2

? & 2 ! (= !+ GK B ;= E

K]>K 7 ? 0) $! * & " L
E- E@ +C> U AD +D-C>E -C @+ -A D @ +C U@C J C+A@C

4 -J>+ +B@ G- , ,- A. @C+ A
->C @2 > @ + - + U@ J C+ >, C D C@ + -A
* $! ' &! & (

*$ ' (* $! ' &! & (
3. ' -+ U@ 8 *->CA@G(2 D C@ +8-A@ ->C @(
WKO+ 8 B.6 ! ' ;NN= 8 C(E @ . @ >ADA@ W
@++ A ? - +@A $ S--- $ 0 K<8 C(@ ,A> C@ , +
@+ A -CE) @ C)2 Z D@2 $;LLN $ =OP
3 A *-CA@ +B C D@ AD @+ @) ;LQW) & ;LMMK
85 C (- E@ > G B@ @++@

i E - , G 8 B J ->C @(! & $1 &!(1 (
X) P 1" " (8;KKO(6 ;QOL !@+ V@C +B2G @
? - A2 -C - -++ ++ B GA + - A ;P;L B7 .
A S - + - > ? ? GA + - >C@C 2 : @ @) ->C ->C ->@C
@@+B C ? -AG) @ C 4PKP 9 7 +C G &"(
> =O !@++ A . ->C ->C @ @ + -C+B@ +

31 (8,@ C@ I C. (-JC- @@D A J@ Y
@D D C@ + -A + E@. A + - ? @2 + C+ - 2 J>+ ->+2
@ ->+ > C A. 8@S M (-A,G *&
%& 2 $) & (@+ 8 @@ 4 (
$ (?& (( ] !@++-A >! @ CD@ ,@,) D + -
4NPL 0 (& 0 8 3 ! %2 IV) S@D-A B) + , W B) + -A
! AD , @S@ ? E@ -D A@ C@2 @++-A @ +@C , $A+[
OQO;M !@++@D B@- ? +@C2 %4=NN ? " @ @
BG ? A >,J>CJ- B@+ B !B JJ D ;=NN 0 &
;KOK + ! ! , ? @ >, ->AD HLP @+ A+-E >GA 1 (SS -
! D,G B- @+@2 @ +BG ? . GA@ ;PMK % 9Y V C&! "T
) 9#E2 ? ? @D +@,G+- @+ + - CD@ B @AA ? @ ;P<<
' 0 (;,' 5C-, L= B@ 9 A. @+ C- ? -AD-A
;MLO ") $ (=N 5C- ? +B@A @ @+ + CD +-
!GC . > ;MLQ B 6) 0 8;MM=(L=O - @+ >J +B@
EC @ + - +B@ 9 A. +G ;M<Q < PNK B@
+B,@ & C +@ - -A +B@ +- !@ ;QKM $!!&2 (
SS 2 7 B ,@ -C +B@ 0 CA B@ @+ SK-K + o #3! (
-C &) ($ % - J>C >@D B ?

32 ' 0 #) >CC@A+2 AD - +) @ -C B @
. 8 @C+ A(D C@ + -A -C ->C @
;= $! . & = W,H(0 ;; + +B@ "@D@, -AD@
+B@ +C@ ? @ @+, +B -C+B 7 @ + AD ! -->+B@ + ;P<W &
%L $. k> &"0 8" U,! - (;< 5C- ? B@A @ C@ + >CC A+@
@++ + - CD +B@ @ + CD ;MKP 7 % $ " 8 " U,
!- (SK E@ %>CC@A+) B B > > ,,G @++ + - +B@ -C+BY
CD + +B + ? @ - +B@ 1@ C(Q- I O G $T"
;M==2 0, - A. @CG B CD C- ? , AD2 + @+ - -,@A+,G
C D - .C@ + @ ;Q=K > & & " 0 ; 7 @
->AD 8B@ + D@ + - @+ != ! A 7) OKLP)
A - 0 8;K=P(LMO 7 B@A +B@ +A @+ +B + G ;KQQ
- - - C & 0 B@ >CC@ - + B B @+ A+ - +B@ >,
- 3 @S - SK) & 1 - $ > $ 0 :>,G LLM B@ JC@ ,@A+
AD @+ C- ? +E@ @

E # +B@ + D@ 8o > (;=M (
KI$I>" J .B N $ (M= B@ + D@ @+ + -
+ A. ->+A ;KOP 5$ - L B@C@ +C-A.+ D@ @+Y
+A. - ;KPL 3 $ # / P)) - MOQ +B@ + D@
+B@ EC .B+ C- U A. # @ A @+ + - B@C@ + +B@ @ - , ? - - A
% (AD A . -A+@S+ - B @ D C@ + -A2
+@AD@A G -C E@A+
4QQK A :@ @ 1 " & - * 0 8;K=(
; L=N2 +B AU ; B @ +C@A. +B - ? AD@A->. B+ - @ ? +B@
+-C@@A+2 ,@+ @+ @ . A + ? @ +B ,, + > >CG ;K=O
!# & , . ! " $!!O= ,, +B@ >CC@A+ - J-J>, C
;KKL $, 0 5$ - 0 ;M 5@E P L B@ >CC@A+ - J-J>, C
+ -A) A +B > ->A+CG B@ ,+@ ,G @ +C-A. ,G + - CD J>@
@A + -A , ? 1 0#Z !@J>P L B@ J>E, -J A -A -+ +B@
G->A. ? @A @++ A. . A +B@ JC + @ 4K<; - * ! ? $
- LN< " @C ? E + -A D A-+ @ A +B@ D C@ + -A AD +@D
;K<L $ & $! 1 JC =<N ; B@ ,@@ >A J> A.
C@ @ ; A C+ >, >AD@C . C ? @A+2 @++ A. + - CD J AU
,# ! $ ' 0 - > @ + - J A+ - @C+ A J, @
-C C- ? -A@ J, @ + - A-+B@C + - -A @G2 +C A J-C+
8 -C . EG +@C2 & ;PN ($ (
+B@ > > , @CE E@ A. *) 0
> ! ?), S LKO 7 +B ->C B JJ@ +B + B@
E D + A@2 " @ @+ E ? @ ->C +B@ O A U ;U A@ , 4PNN A &@ Y
- U $ 0 $ 1 0 8;K=;(JJ LQ B@ O@DG, B ,, @++
+B@ 3 +@C - C ? @C + +B@ 5 +B@C J, @ ;PLN
Q;P ; 5@CG@C- A2 B + B . G @ +B@ A. + @+ ? @ - @C+B@
+@C 4!PM & $ 8% ? D@A(LM B@ >C@+
+B ,, +B@ J C E AD -,@ ? JA +@ @++@ +B@ - ++@ B- ? @
+B -,@ ? @ JC- @ -A 4PQ!<$- - 0<) & " ;O;2 : @
B ? --A@ A CD2 $;PQK " 8&+ -++ @(& ;0 ,& 0
8! ! (: L<= - @++ @C+ A@ E AD - ,@ ? JA+ @ ? @A- @ C+ - +B@
E-CD->C M-S ,, ;0 ? @ 0 $ " A) D) $ 4 4 4
KN , G@, GD@ -C @++GA. @ -,DG C A+- C@, AD ;M;L 7
" 1 , &) " &) 2 0 < $ ' 8;MOM(O / C + -A -
@+ / @@C@2 " C@ 2 AD % -A @ ->@C G->C ;KS<
%) A $ A@ - 0 8;KPQ(; OOQ B@ JC @ ? G J A B
? @ -C B + - ? @ ? B- ? @ ;KPM % 1 ! & 3
1. 0 8;KQN(; ; PL @A+ E U + - +B@ @CCG2 AD2 +@C E@ A.
@+ C- @ DC- @ E U + - 3@,C- @

i N - J>+ $!$ (& ' !$ ($ & ((
4LQP B ?) , =OP A@ B + C- G + B ? -> C D@
,>@C G2 AD @+ +E ? -A +A@ , AD ,, DCG ,;=KO : : +C
$ &) % & % & 8;KQN(& ,; 3 AG - +B@ >CU@
+B + @C@ @+ @ , AD EG @ EC@G . @ C-? +B@ B JJ@ =MSQ
= S 5! 4T ; = @ B@ E CU@ @+ > -A AD A@@C@ +B@
- A@ ;QNN ! & -) !!M 1-> ,, @CCG
-C2 AD + +B@ & ,, @ + C E@ @+ B- C
' 0 -C % (K/AJ) & 0 @SS P<E2 " @
->A @,,@D +B@ UGA. + - @+ , AD@ A -C ? ADG
N - ? J AG -C @ -C 8 J@C -A(EC J C+
-C ,, - +B@ G B@ B + - . - %B @ ,G & ($!0
;QLQ $ " - * 0 8;QPQ(<< ; @++ A.
? G & + @A+ , ++,@ -A +B@ $ -) ;KNO $)
) - 1! 0 ? $!!0 L= AD ? -A@ + ? @ B@ @ ? @ B@ @ ?
;KK< 3 (;; S ;Q @ B D
@CG B *JJG D G2 AD +B@G @+ ? @ + - +B@ + @ $ O+
? & - $ 2 @+G-> C 0 ,
% 0 & & - + - EC A. + - @+ @ C ,- @,G)*&

+ - @A -C @2 @? JB X@ 1 0
$ $%/% S &) ** 8;MQQ(Q) !@++ A. B- ? @ +B@
A) D D A. @C + O%> B) 8 ' !!0 " 0 0 =OO
7 BUB C. > ? @A+ + -A C>+B@C @+ B- ? @ EG > B ! ? ,
+>D@ +B@ @ $>J># !) 8) 0 7 U ;KNQ
NQ - @+ B- ? @ +B@ >,+C>+B >J-A +B@C -A @A @
33 # >CC@A+2 AD2 @+ - > @ + - ? - @2
CCG ,-A. A 8 @C+ A(D C@ + -A2
4=PF 0) 8!>C+@@ (MQ<O 0 -A @C@ ,@++2 AD
C B@ @+ - ,AD @++2 ;MON [2)N & > !&2 8;KPP(
< !B@ J,@ + B + ->C @ B@C - ? J @ @+ B@C -A
& > & " @ + ;KN B@C@ > >CC@A+ B B @+ @+ -
+B@ C &-C+B CD ;KS< ") $ " ; 2 B@ >CC@A+ ! + ,
@+ +B@ ? -A CD + - +B@ C@ ? @ + - B- C@ ;KOL 7
" !0 O= EC@@X@ JC>A. >J C- ? +B@ ->+B @ +2 AD @+ +B@
@ - C J D,G@ ->J-A+ ;K<O ! M 5@E ;K<L B@ >CC@A+
A C J D>+ ,G@ +B@ A-@ @ C- -C- U

3 -JC-J@ 8 E- + -C +B@C C +(+B
J-,@ + - J>A+ , - $1 &!0(+ - > @ J>A+J-,@ -C
@++ A. J-,@ A- *0 A J>A+ B--+ A. 2 + - ? - @>J
& +B@ @ , 2 + - +B A B--+ A. D + A @ 8
)*(. !&&V
%4P)!-> " 3 $.!)" > &"0 8;P<<(LMM 7 @D@J C+@D
C- ? # +C->C A +B@ ? -CA A. E@ -C@ !>AA@C A. ZC- A. AD
@++ A. J +B@C >@C P ? ,@ ;QNL +C ? & - $ <) $ LLK
B- @ A +B@ O- + @C-E, .@D + - @+ ? @ ? , -A. E@ + U A.
+B@ C &-C+B@ C->AD)OP < 3 & 0 &) ! & !
8;K=N(LOP 0 0 ,@C@A+ , D2 B@G @+ A. . AD @++ A. ,, +B@G
->,D2 +B@G ? @ + - , ++@C B-C@ 4QML : " 0 " 0
L; / @ 2 7 @ C- @D -C @+ +B@ @+ -@ -C B@ ->,D ?
;KOL 5$ - ' Q;< ; + !B @,D 2 G->A. @ ? A
A +B@ @ - ? @++ A. +B@ U@@, + - B B @ E@, -A. @D2+B@ J-,@
, JJ@D ;KL< 3 H ;=P 7 B@A @+ +
+A. + - +B@ C CD D@ EG D@ +B -+B@C J>A+ A. ;KKO 7
8 1 &2 ! !0 =MK 7B@A @+ A. A . + - +B@ A J> +B +G,@
2 -D C@ + -C J- A+ 8-A@ ' @ 2 @+ -- + @ (&(
&2$ % ' J, @
SMS ;2 ;MLO^ @@ - 10#. * $ $>++ 3 . $ " ' LN >.
;MP=;2 +B ? G @2 \ @+ ->C @ + - CD B- ? @2 $ * -S
MK Op

. !

B-,,- @D' A+-' ' >J' AD' @+' A' , @C ' ;QOQ'< '? 0' * ';'
2' AD'+B ' A> E-S '!@+' A'.-,D' `
/4' *$ 0' -'E@' +>DD@D2' D-++@D2', A@D2'@+ ' .'
' A>?E@C' - ' -E*@ + ' &,,$ 0' '+-' E@' D-CA@D' -C'
+C ??@D' 2 0' &' 1 ' '$1&) ' 8 C B(' -C' &)' '
2 "' +-'E@' >CC->AD@D' -C' @A C ,@D' +B2'+-'B @' '
C ,@' -
;LKL'gG'1%75' &' ' &('O' ' A'B@J'- ' B@+@2' @+' E->+@'
+B', ,@ ' ;S=NN'C$ 0' L' 'L;' AD'B@' -??@+' AD'
@++' - ' ' AD' - ' G @2' %4=NN' ') '& (' 8% ?D@A('S2'
A' ,@+B A.' A ,@C@' 7 ' @++@'$ - ! & - &'' ! %@CU@,G++a'
+B' @CJ@A+@ 2'+B +' +@'+-'+B@' D> ' 4=Q='
' '<N' A>GC->A@D' AD' @+' E->+@' G+B'. CD@ '\' B@'
?@A' S=KM' ?.(' 0' !1$) "' (' E 2' F> DC +' ' ,D@' A'
C?G ' B A'+B@' @,D@' ' @+' +B' >?'+-UGA'- ' C?G ' ;PKP'
') '+C' , &!$">' &"(' 'S 'P;'B2' ' @CG' GC@'
->A+ A@2' @+' E->+' +B' D>@C ' C@' GJC@ '+C@@ ' 1 0
SS ' MN'E2' 'C B'J > ,, -A' - ' ++@A' @+' +B'.-,D' AD' ,>@C'
;P<Q' 8 ' 1$!' ' 'M' 'EC- A B' + ,U@ @+' +B'
,-A.' E CJ+',@ >@ ' M @' & ' C 0' 0' #'QPP' ' +B'
!+ CC '+BU'E-D@ ' ,,' AD' A. ' @C@' @+' +B' $' ;QNN
' L $ "' ;P' 5@E ' ;M=P2' A' D? C E,@' J +>C@ @+'
E->+' +B' -,>?A ' - ' , E +@C ' 1 0' O< 3 G' ;MMN2' B@'
AD- @ ' AD'E , -A,@ ' @,,' @+' +B', D@ ' ;QSL'$ '
* 0' - ' LKL' ' =' " - ' +B U' +B@' % +G' ' @+' +B'
%B>C B@ ' KS-' . ' $ "'8 ' 0H0' S 2' 5 A+ + ,,G' @+'
7 +B'%>J-)' -C' ? A C@+' ;K)' 3 ' ' ' (' ''
A ' 6 ' ++'ONP' B@' @C@A@' UG' ' @+' +B' + C ' ;KK<
*+,-.' $ ' !$. 55 "' ' ? ,,' A+@ E C E@C2' @+'C->AD'
+B' @, @+' @++@@
E ' $ ' A'+B@' -CC@ J-AD A.' + @'>@
'4LKM' ' ! .>' 0'LKO' ' -C-A@' -A'B C@'B@@D'+B@G'
' E A'GDC@ @D' AD' @++@'B C@' >,' - ' DgC B@ ' ') "
$ 0'44 'L<K ;' 7 A+@C'B D' @+'+B@?'8+B@' >?? + ' - '+B@'
?->A+ Aa' +B' A- G' +,@
// ' i;)' -'E@ @+' -C'E@ @.@' 8 'J, @' -C' 'J@CY
-A(' ' @ J' +B'$1&) (' 1 0
%;=NN' C& - (' C& 'QL=O' B@G @+' +B@' +@,' ,' E->+@'
[=OP' ' ' &'0' ? 'SSS 'P=NK' " @' ' @+' E CD@'
,';=LN' " ' ")'0' "Lh' 7 @'B@C@' E@' @++' ,,@' E- +@' 4PLM
) #' Q;P ;' ;' @+' C->AD@' E->+@2' ' ? A' ' +B' B '
@A@?G@ 2' -C' 'E@@ +' +B' B>A+@C
E '6 (' @ J' A' J 'JBC' &'1 ' $ ' %' ' !' ('
+-'E@' A'.C@ +' +C + ' -C'B CD' J>+'+-' +
;LKQ' ' ' ''8$-,, (' '=QL' J@'UGA. ' 'B CD'
@++@' J' +@?J@ +' A'B@' @@' ,';=QP' $'% &! $ '==<2':

,,'E@' -C' ' >E+@C >.@' . A +'+B ' +-CG ' $%>J' ' ' 38 '
$ '8'KKL(' 'ON=' B@G' @C@',,' @+'+-'6>@' ;QLQ' : '
$ "' %/* 0 "R9+': OP=' B@'J--C'%C@ +>C@' ' @CG'B CD'
@+'+-'DC @'E ' 7 +@C' C-?'B ?' ;K<;' '*! '?$ ',)@ 'P;='
"@' ' 'B CD' @+'+-'C@ +C A'B ? @,' A'B 'D@ C@')
/ ' # ' 'B>A+ A.'D- .' -' ? +U'+B@'J- + -A' - '
8. ?@(' EG' +-JJ A.'D@ D' AD'J- A+ A.'+B@' ?>XX,@'
+- CD ' +' 8% ' ' 1K' (
L%J ' = ')' 'C ' &''OPP' G->' B >A @'
+- @@G->)'D-..@' +-' ? U@' ' >DD@A' +-J G->' B ,,' +B@A'
JC@ @A+,G' ? U@' A+-'B ?' 8 -C' B@' B +B' @+' +B@' & C+C D.@(2'
$'4MQ=' .) ' 0' 10'S 'e'QM' -' @@' 'D-.' @+' J CY
+C D.@' ;QLQ' ' 0' &"$!' 2' ' (' -' @+'
F> , 2' -C' & C+C D.@ 2' ' ' @++ A.' / - .'D-@ ' ;K<L' ! 'Q'
3 G'M) L2' 'C@?@?E@C' -A @'B A.' 'G->A.' @++@C'D-.' ->+'
+B' ?@2' B@A'B@' @+' 'J C+C D.@' -A'B@C'A@ +2'
E ' $' %(' AD'6 0' 2
;MQ ' : ' ' 0' ! 0' JJ ' 'OL'1@+' -C' ,,'+B ' >,,G'
@+ ' +B ' $-G ,' ?@' ^ CC-a' ?> O # ' A'?& !!('
" @' :' D' AG'+B A.' . A +' ' 1->B @' @+'B ?2
+B +' :' ? .B+' B--+'B ? ' E>+' 'B @'A-+' B-+'B ? ' ;KLP' '
' ' $" ' ' !@C' A') !0' 'P' 3 G' C@ D@C' ? G' J@CY
B A @' B @' @@A' ' +' ' ' ?-> @' SKKK' - ' ;M' # +2'
;N P' B@' J>JJG' 2'@A ->C .@D' -C CD-A' ? G'+C ,22' AD'
' @+ ' ?@' +B->+' ' >,+
- ' ' 0' -' @+' . ?@' i , -' -C?@C,G' 8-
J@C -A (2' !& &' ' (' +-'B>A+' +B' ' @++@C
&' ' $ (' '/#0!'#')!#)'1! '1!!'. ' 1W'B&'
>!! '# ' $50' '&' " 0' , ' " 'D-.' ? G'C@ > @'+-' @+'
[K=[' " ' = .. ' ! ' ' $' 0' '8;KKQ(' MM' B@' J>JJG'
- ' +B@' @++ A. D-.' I> + ' D- A' AD' @+ ' >A+ >.B+2
! 'OL' :>,G' ;O= ;' "@' +@ , ' ,-A.' ' @ 'J @ 2' AD'+B@A'
@+ ' C . D,G2'*> +' ' A' -,D' .C@G' B@A' ,> B@ 2' ?$ %)0
$ 0' JC ' =PM' B@' ?-+B@C2' + @A+G' G CD ' - 2' E U ' B@C'
J- A+' AD' @+ 'D@ D'
+D ' # 'J@C -A ' &' &'$3 ' ' @@'
' '<2' 0%.
/! ' $) (' -'+ U@'+B@'E@ C A. ' - '8 A' -E*@ +(
' , #'. o ' ,, 0' ' 0' , - '' '2! '& / ' 3' &!
%-?J @' ;MOQ'] ' $-$'>' < $-0' S ' LK' !@+' +B@', AD2'
B- ' +' E@' C@ 'EG'+B@' %-?J @' $%=' = BL' $1 !$
' 42' 7 @' @ .B D' A B-C2' A- D'>J' ! ,2' +- 'D' +B@' O- + 2'
@+' +B@' AD2' AD' +--D' -C' +B@' # A.' $>%O' - .
0' $ ' '=H"N&+' ' (' 7 @' @+' +B@' - @C' - ' C E '
A@ C'+B@'J-C+' - ' ,@S ADC ' SK-K' ' $ 0': OP' " A.'
@+'+B@'B-> @' +B' 'J- U@+ -?J ' $ %J' ')' <!& 0'
$ 0' ' ' ;KMQ' ' $!& > ' & d &.0(' ' ' , $ ('
+-' ? CU' @,,'+B@'J- + -A' - '+B@' @ @,' B @D'EG'E@ C A.'
E' -' .B+' -C' ' ? U@ '8, AD2' ' @ @,(' & (
$%JJ' 7 8' $ 0' 'LOK' 7 B@A'+B @+' , AD2' !-?@'
+B 2' -?@'+B +2'D-@'.@ @2'+A*'" ,2') +'% J@
/ .' - ' /13' %)'1'$ E' S')'1'1'A!2!/'
/13'1' '1 L' 12@'6 '@'$ $ ' 6'1$$ 0
@)%!)4' ' !)4' !$' 0 0 6! &' 1 ' 1.
;MQN' - 0')' $!K' "@2' +B'B '!I> DC-A2' - @C+ U@' '
%- B' B B' +B@G'B D' @+' - @C' A .B+' ' ' !$ (
@' 0' ?!$,. $ ' :' &) ' ;'PN' "@'? .B+' -?@'+-'$-E2
-C'+-' !@+' +B@' "-> @' ;QLQ' 8 '? 0') *0' ?2' '8;QQM('=L'
B@C@' ,,'E@'D@@J'J G,2' +- A .B+' +' 3)GE-A@2' ,,. @'
G->'+B@'B A+' B-' ' -C+B' @++ A.' ;QLL' , & & - ' '
B@' /- . '+B +'E@,-A.'+-'JC +@'5 ? , @' AD' !B-JU@@J@C 2'
+B@' JC-J@C'+ ?@' -C @++ A.'+B@?' .@A@C ,,G' --A' +@C'!@ @A'
A'+B@' 3 -CA A.' ;KNN' ?' & - $!! ' * 0'8;KP<(' L)<
B@'J@C -A' B-'JC- >C@D' -C?@' ,,'+B@'A+@,, .@A @'C@ J@ +Y
A.' -CD' D CD'5 +X.@C ,D2' AD'.-+']]'+-' @+'B ?' 8

!1&) ' ') '#'6H!"N S' -'-'+B@' C +@CA +GT @++ A.'
'G->A.' ? A 'AD'@AD@ ->C A.'+-' A'+B@'.-,D' -C' B B'
B@'B D', E->C@D
/12' ,(' $2(-'C@'*@ +2' @+' D@' 1 0
$%> ' ' <' & c ' 0' $2 ' ,& 0' 'SS >'e'M
8;M<<(' OPN' B> ' A' X@C' ' @+' E@ '> @'B@' 'A-+'
+ @A+G @' 1@ C' - ' .@' 1 0' SS ' 'O'OMP' -' -E*@ +'
. A + ' +A@ ' A' ->C' 2' ' ,,@D' +-' +' ' +A@ 2' -C'
+-' @+'B ?
4 ' 7 +B'JC@J- + -A ' A' J@ , X@D' @A @'8 AY
+C A + @(
:;!' -*' (67 *]
(' -'E@. A' -CU A. +*+ U@ AB AD2E@. A'>J-A2
;MN4'^ @@' ' 'G(' SMXS' ,&' ' $ ' >' $'0 83 ,-A@
!- (;;KO' "@' ,, @ .B' +B@' -CU' B@' AD@C+ U@ 2' AD' @+'
E->+' +' @@A' A' +B@' E@ +' -EC @+@' - ' B ' >D.@?^@Aa+'
;MLQ ! ' 0' 4;MM=(' ;K< :'J>CJ- @' -D' ,, A.'
+-' @+' E->+' " - @ ' \' +-' +CG' ' ' A'.@+' +'+-'+B@' JC@ @
B@C@' ;QNQ' . @' ') $ - '8;QNK(' K 3@A 2'
C@' -AD@C >,,G' B JJG' A' '5 >,+G' - 'D@ @ A.'+B@?Y
@, @ 2 B@A@ @C' +B@G' @+' B@ C+,G) E->+' +' ;QK=' 2'
* 0' - '4'M 3 G'C @AD' +' E->+' +' +B'.C@ +'D, .@A @'
KSK' . '? 0' $ - - (SS ' @'@ @CG'? A' AD' -?A'
B@C@' @+' E->+' +B@C' A'E> A@ ' ;KMP! ' $)' '
e'O B '@ @A+ ,@D> + -A' ? .B+' +B@?' -C@' @ ,G' . -+ '
+B@G' @+' E->+' +' A' +B@C' C .B+' G' ;KK<' ' ,$ '
!$. 'SSS2' 7@'B D'E@ +' @+' E->+' ->CJ C+' - '+B@' -A+C +'
*+',&' (' '%0
$';LNN) &' 0' ;PKN :V@ B ?2'V@ A' :V+' :(A' ' +@'
+@',,' C', A.'+-' @++' E->+@'H0<1 0' ++' E->+@2' $ 0'
)+@' E->+' ;QLM' " % '& $!1& &) ': ;=Q' B@'
%)>@@A' @+' E->+'+-' -C?' "@C' 3 A +CG' SK)' - !0' (
,0' &,0 ' '=N=' "@' @+ 'E->+'+-' ,@ A'E ' , AD' A', - -D'
@ CA@+ ' $%% ' 3 '8 * 0' ' ! "' ' ;' ' '<=' "@'
C ?E,@D'+-'A ' @@+2' AD' @+' E->+'+-' -A -,@'B ? @,
8(,&' ( )' 0
Q=< ' 0' &' &'O=' - 2' ' ,,' @+' E->+'
D-A.'+B@' -CD@C' -A+ A@D'+B@C@A ') ;QQ=' 8 o' +C'
,$ & ' & - 0' & -$', B" +':: ;QO'/ -A'! A B-' @C' A'
' ??@D +@,G' +' E->+'@AI>C A.' A+-'/-C-+B@ ' '-AD> +'
;KMP'8 ' '8;KQ<(L= :' ,' @' E->+'@SJ, AY
A.' B +' ' ?@ A' ;K<N' ? ' 0' ?' 0% & - ' LZ (;QL'
$@@,2' @+' E->+' -C?A.' 'A@ 'J C+G
E ' -' @+'>J-A2' ++ U2' ,&!!&D0
;KQ< "-$! UG'6& ' % & - ' " $!'8;KKQ(' W B '.-+'+-'?G'
+B@C'@ C' B@A' , @A+'B-?@'B@' @+' E->+' ?@' +B' '
!+C J'>A+,' B@' ' +C@D' [<NM $!"' &'0'OO'3 G'L P' +'
' G' @,,'+-'A ?@'+B@' A+ .-A + B-?'G->'+@' @++ A.'
E->+
' !@+' C ++ +
b+ ' - '? U@' A' ++ U'>J-A2E@'B- +,@'+-' 1 0
,';LLN 0' !0=KQ=' :V'J @A -) A',V'B ,DC@A'
@+' $'4=NN'PN 6 $ ' '! 5(ONKO :?G , @' +B ' - ?@' @+'
V ?' . GA ' ;;P=L' X) .'? $ - 0' *&*(LLL' "@' J C@D'
A-+'+-' @++@' . A +'&B ,JJ>' ?- +@' @B@?@A+@' - D-A'
)<N' . #' (0' A '+B';=M' XMSS' ' 0 .0'SS'K
H@'A + -A' @+' . A +' B ?' '<@>@CG' D@' SMK' I3L '
C$ $* 0' 0' (3 CU' '<1->' +B AU' +' @CG' @,,'D-A@2'
+-' @+' . A +' -D, A@ 'AD -D'- A' 2'
E ' -' -?J@A +@2'E , A@
$ JJ' ' & - ' 1 &$ 'HHH0 :N=' !> B' ' C .B+
' @'B @'B D' ,,' @+' . B +' '.C@ +'D@?')'+B@' .--D
@' ' -' ?- @' A' 'DC@ + -A' -JJ- @D'+- '
SK J' # '5*' 0'$ ' ' ' . 0' ;KM)' 4 'LSK
&>E, ' -J A -A2'A- '@++ A.' . A +'+B 'E@ +,G' @' ;KK<
%'' ')'C ' ' '$ 0' ' ' -'O=P'#A'+B@'
, +'D G',>U' @+'D@ D' . A +'B@C
;; -*'(*]' 7'(=(('(**(DJ' , ?'4@3
;OK' 2' ;L;2' "O (
'4=LNC ! (' "% $' & ' 'S6 '8;KM<('OM @' @C@'G@' -'
.C@+' ' , D2'G@' B>D@C .B+' --A@'E >@' %' @CC@2' AD' +'G- '
L' -,D@' @++@' $';P=K' % ' &'((' ((' =<E2' B@G'
@C@'JC @,G' @+' +' AD' A' ? AG'*@-J CD @ ' 4K=<' $ '
$ 0 4 ' OML X' "@' @+ +'+B@' B>C B2' AD'B@'D@ ,'B '
'+C-A.' D @' AD' -??@A+' ;KQQ' 3 ' ') ' $ - & '!@C
' SSS 'L<;2;' ->,D' -2' ,B->.B' '? AG'D@ , 'B->,D
!@+' +?@' '+B@C@' C@'+,@'-A'+B@'B-> @+-J
!@+'EG' @' <;
3' -*(*7]2' +' ' -'@A+@C'#C@?E CU'>J-A2'
++S' 3 ' $,) (,&!$' 8;MOO(QKK O-,DA@ @' +-
B 6@$.@' AD' @+' A+-'B@ A.@C ' ;MNP ' ($ '(
A' -'+A@)'9 A.'e' ;O' 7 B@A' ! B-,, C' #?@'+-'+B@'JC + @'
- 'JC-@ -A 2' -C-+B@C' + -A'- ' >,,' @2' B B' B@A'+B@G'
@+' A+-'^@+ a
+-' -'.@+' A+-'8 ' @C+ A' -AD + -A(
;KLP % ' "/ $"'?.' 'O<O2':'E@. A @++ A.' A+-'
AD'+-' -,- '+B@' -SB->AD' A' -@?E@C
::' '-*'7' ^:;
%4L<N P' ' 0' 0' ;M PLN ' C +A@' ? A' -A@' B@'
?@++@2' AD'-A'A ?' +@'E@' @++@' ';=PN?) ';;' =L=' "@'
@+'!-C@'-A'+B@'5C@A B@'?@A' ;=QN KP' & ')' '
42'KQ !GC' D' 'UAG.B+' @+'-A' C+B>C' -C+B@G' C@' @CG' AD'
-C ->.B+@A' $' ;P) % ' &'0(' ((;LM B@'
5C@A B@?@A2'E@ CU' D- A,G' >CJC @D' AD' @+' -A' ;MOK
' &,& - (S,'8 CE (' M;' "@ @+ 'E-,D,G' -A' .--D
A +>C@ 2' +B@' ?- +' AI> B E,@' $'4QNN ' $ "'
ON JC';M==2' B@' -?J AG'E@B AD'> ' @C@' @+'-A'EG'C-.>@'
;KLN . ' ' 0' '==O 7 +B'D@ J C' J Y
+>C@D' A'@ @CG' @2'+B@' C@' ' @+'-A'+B@'J>?J ' 4K<L' $ ('
0' 4L' >.'; KP O' @@' ' ? A' @+'-A'EG'C-EE@C
!@+'+-']' ;@@' ;=E2' ;NL2' ;;L'
;' -*'EL7']
-' ++U2' ,2' ,,' -@A+@'>J-A
7 +B'DC @' @CD@' 4!LP'A' ,, ' 0' % 0'!@C' ' :'DNN
7 B@@C@'+B@' ?J@C-C'+B->.B+'-'B @' @+'>J-A'+B@?'E@ A.'
@A ?J@D2'+B@C@'+B@' ->AD@'+B@?' A' CC G' AD'.--D@-+DC@' $'/J+'
. 7 'Q;M S' B@'DGD' @++@'>J A'?@ ->C@'+-' -A@' S) '
A' , & & $'[! !!0'OLN ' ' ? +@C ?@+@+B' B+B@'
+B@@ @ AD'G ' @+' J-A'EG'+B@?' ;ML;' 8) ' & >'
'&&' 'e'MN'X--'/ D ' @+'>J-A' 'O@ C@' -A@+ ?@2' AD'
-A' ' -A' +' A-+B@C2' AD' ,@ '+B@?' E-+B' $%%J ' 1 '
$ "' S' 3 G2' ' ' @+'>J-A'EG' ' .C@ +'D-.. 2 B-' .-+'
B-,D' - '?G' . C+@C ;QLL' 0' "&B) %' 'O'C& ' ;=' J@'
:>A@'O ;' 'G->A.' 3 A' ' @+'>J-A'EG'+BC@@' $-.>@ 2' AD

C-EE D' - 'O ,,' AD' 3 -A@G' =K=K< ' &- "'S, '
7->AD@D2' B>A+@D2' @+' ?-A'EG' D-. ' $ >0' <B ' , 0'
0' ' (S+ 2' ;N<' B@' / A@' ' ?@' . A + +B@?' AD' @+'
>J-A'+B@?' . A' AD' . A
41+' '' - - $ $!' ' (
;ML< / >'S 7 '+C' $-)C' - 0' ' ' ONP' #' ,'
EC .'+B@' --, B@ + 2'+B +' B B' @+'>J-A'+B@C@J>+ + -A'-'
@ U@ @S' $%O+' ' <& 0 ' S 'e' ;;K' " - @ @C' A'
? .B+' @+'>J-A' B A>' ;Q;')) ' * 0' - ' ;M 5'L' ':
++ U' +B@' -> ? ' B ,, -A,G' @+'>J-A'+B@?' A' 'O-DG'
;KQP' 7W 'C!$ &'8@D' L(:'LPM B ' '+B@'C@ -A' BG'?G'
+BC@@' > @C 2 B @' @+'>J-A'?@
E ' -'>C.@' +C-A.,G2 ?J-C+>A@2' $ 0
$%/J ' = ' @ C@+,G' @+'>J-A' A'JC +@'+-' > @C'B@C @,'+-'
&C A @ @' ' @ C@+,G' @+'>J-A' A'JC +@'+-' > @C'B@C @,'+-'
E@@' -A @G@D' G' SSQ P' B ' 2'' 1 +'8;QO=(
OLM B@'E@ +'-'+B@' J -J ','%,@C.G' @+'>J-A'+B@'O B-J 2
+-', G' E-,D' -A' +B ' -JJ-C+>A +G' ;KKL' ^ ' ' V'
$-1 0' $,$ ' ' <P' 3 +@ D' . A' @+'>J-A'#SD@A' -C'
E ' +-CG2
'-2' '$1&) ' ;OQ' ' 1(
> '9 ' $!'&%' $,&' ' 2'S 'LNN +'E@B->@D'
+B@?'+-' @AD@' -C'+B@ O B-JJ@2'+-'B ,,- @'+B@ C +@' -CA@C'
+-A@ ' AD'+B@A'? .B+'+B@'3 -A ' @+' J-A'+B@C@ +@2'E>+'
A-+' -C@' ;M=K' < 7 ' ' ;=M +' ' ?G' -C+>A@'+-'
@+'>J-A' 'B CD' AD'D >,+'E@ ,D A.' A' '%B>C B' - '3 S -'
XMK'$ ' 2 7 ')!!"> ' %%, 'M<' " ?'+B + @+'>J-A'
O> ,D A.' ;QN< 1 ' ' 0' %0' 'SS 'LL=' B@' / @ A2'
@S + A.'+B@?' +B' ,'B '$E@+-A U2'+-' @+'>J-A'+B@'$@J C Y
+-A' -' +' 4Q<L ' " &' ' 0'e' ;N)' -' ,@ @,' +B@'
!>. C - ->,D E@' ' @C-> ' -CU' ' +' A@ @C' ->,D'
E@' @+'>J-A'@S @+' B@A'+B@' @ ' 'C@? CU E,G' +,,2
D' $) 0' -'B >,' -C'J>,,'>J-A
>!" ' ' " &'' 0' ;<M B ' + U,@'E@ A.' ' ,++,@'
' U@D2 AD'+B@A' @+'>J-A' 1 0' ;<Q' B@'C-J@ E@ A.'
+B@A' @+'>J-A'EG'+B@'? A'+ U,@
4 ,, ' 7 +B' D @CE' A' J@ ,X@D' @A @
'!@+' E->+' - ' C >, +@2' JC@ D' E->+'8'
+ +@?@A+2 C@J-C+(' - ' B @ ,G' & ($!0
;SQSP B ' C .'8;QO=(:' ;MK' 3 AG'D ->C @'
@C@' @+' E->+'>J-A' +B ' - -A' ;K<N $ 0' 0=' # +'
LKP S , C? A.'C@J-C+ 'B @'E@@A' @+' E->+' '+-'+B@' ??Y
A@A @' -C ->'+C->E,@
!' !@+' EC- ' $, (
(' ' -' EC- B' 8 ' U2' , I>-C(
;L<N < 8 ' &' %0' ' ;KL' $ B+' ' B-' @++@' '+-AA@'
EC- B@' ' ;=MN ^ @@' ' X Ea' ;M<Q2;KPP'^ @@' ' V'
% 0' ;= ' ')' &'(' 4 4'8/ ".EG'5 2 6' "@ 2'
. A' JJC- B@'\' ('B ' @CD'+-' @++@' 'EC- B@',V@ C@UG'
B +>,'E,--D' ;MNP 1 ' '%&&!';;' ' 3 G'&>C @'8' 'EC- B'OG'@>@C@' B@ + A.' -?@'G->' @ >@A' ' ;QML'%'
' ' 'J' 2 "@'B D'DC>AU-'B ' A@2 B B'
A- 'E@. A'+-' C?'E 'B@ C+2' AD' @+' ,,'B ' @ C@+'EC- B@'
E ' -' @+' -A' --+2 @+' -A.2' @' >CC@A G' -C'
J>E, +G'+-
';=QP' $' .' ' 'PQO' A' $, &'C!$" 'O;' B@C'S 6'E@' @++'
EC- A@' ' ,@CG ,,' ? +@C' ;P=P' ' &5&* 0'C'7U '
8;<N=(OM B A'@J@CG'-A@ - '+B@?' @++@+B'B ' E +@' EC- B@'
>!"' < ' ' , 0' 1) '4 0+'S# B@C@' @+'+B@G' EC- B@'
+C >A.@' -A -C+@ '-'?@,-DG' ;MLK2 ;KLP'^ @@' ' 'Ca'
#' ' !0' &* ' $)'LO=' ' +>D@D' AD' ' , E-C ->'
-C@)'+- CD'+B@' @++ A.' - 'B>?>C EC- B'
%';LP' !@+' EC- D' 1 0
+' JC@ D' EC- D2' JC@ D' D@2'
L\ ') . ' $ (SS 'P' B@G' @+' EC- D@'+B@C@'JB , '
+@C @ 2' AD' ? U@' , C.@'E-CD@C' -A'+B@C@' . C?@A+@
:V' -' J>E, B'8 '+C@ + @('+-' C >, +@'8 ' C@Y
J-C+(' '+-'D @+B A +@'8'D @ @('+-' @+'8 ' ? ++@C('
-A' --+2
PPP')6)'A'!+CGJ@' ,,!0' -0 8;QO;(' ' JJ' ;OQ
B->.B@'G+'E@'A@ @C' -D >A.@C->'+-'?@'+-' @++'B ',G++@,,'
C@ +G EC- D' ;PK=' ' $ +' $!'@@S, 'OMP' B@'
J, ->@2' @+' EC- D@'A'+B@'+- A@'+BC->.B'E>G A. 'E@DY
D A.' A @ +@D' ;PKK' 0' ;;<O' AD' @+' EC- D'
A@ 'E> A@ @ @' -CG->' ,,2' SMKQ=' 7 '<0 0' 2' -2' ->
'!+-CG' EC- D' ;QP< ' ' -) 7') &% !!2 " ' '
OPQ A.@A -> ,G' @+' EC- D'+B +' '5 C@'D J- @D' AD' @++@'>'
+' ! ' !@+' !- A' I d'-0 1 0
@43!' ' ';<MKM 7@' @-C@A -C'.-D@'?@A B-,D@A' 'HL#0'
! @S @' ?@A' @++@A'>' D>A@ ;L' & ' 'O;=O B@'
+@ CD' -A' UA@@'B?' @+' D- A' 'S) !!0'C$! '
O=P<J A@A@' 'E,6@'E'E CA' J@'E@ +')>A' @++@' ;LKP
B ['< 0' 0'OOM J-,'+B@ .C B@G' @++GA'B@?'
>, -+@,G D->A' 4LKQ' 3 ' '8$-,, (' 2 ;NQ
AD' 'D@?@'J +'E@'D J- @D' AD' @++@' D-?
2' !@+' ,- +'8 ' -A' ,- +(2' $, (
(' -', >A B2' ,- +'46 0' AD'6 (+0
;PPN' ' $ 0' $ 'S' '!@@'B@C@'B- ' -C+>A@' @++ A.'
'A-+@2'OC->.B+'+-'->C A@+' 'J-C+-A'- ' ->C' JC G' [PQP'
!%<;' ' <!$ ' 7U ' ;<;N 'MO2 '+C> +' ? ' +@C
&B ,- C E> ' @@' ,'E@' > @A+'+-' @+'E-+B'B@@' AD' ?@'
,- +@' 4QKP 8 .' &)' 1 '8;K<Q(PLQ :' .-+->C'
-??-A' C@AD'+B@C@'+-' ' A' @++ A.'B ? ' +-' ;KLQ'
. IIK' (' ' 2 7-ADC-> ,@ +B@C C--'@D'5,- + A.'
E +@C @ 2' @+' ,- +'EG'5C@A B!J A'B C'$, ' $ -' !!0'
E ' -' EC A.'+-' +B@' >C @'8 '+B@'DC@. ' - ' '
, I>D(' B@A @'6 0' +-' @+' 4 *0' -?@+B A.'E D(' A'
?-+-A2' A' .-.2' +C>J2 ? U@' + @
PKM^ @@' 6. '&:'SMM %" 0 # ,) ' ' ' B+'
S.'!@@ A.' ,,'6A ->C A@' -'7 A@ ,' B +@ @C' @@?'+-'
JC- @@D' C-?'+B@'C' D J>C@'+ @' ,- +' $>J&'9 B '
F$> OD&' ::'F> ,+@ 2 B@A'AD C@@+,G' @+'A'5,- +'
E@ -?@' + ,' -A'+B@'%-A ++>+ -A' ' ;Q=' ' 1(=a'
XK-' = ' < !'? $ 0' S S'8$+,D.('LLO' "-,D'G->C'B AD 2
@S , ?@D' 1->?>+'A-+' @+' ?G' C @' ,- +' A2
' -,--D'8, AD(2' 1 0
S)L'5 ' ,(' +'8;M<L(Q=!-'?>B'7 +@C > @D'
' -A D@C E,@'5,--D 2 @++ A.' ' -A' ,-+@'
'D ' - > @'+-'E@ -?@'>A @++,@D2' CCG' G '
XXQ4L' ..8)' 0' % '8;Q;=(LON^ B@C:' JJ, > @'
@++ A.'E ' "@ D' ,- +2 B@' ?@'>J'+-' -AD-A
O' !@+' J C+
+' +' -' , G' D@2' J>+'-A' -A@' D@' 1 (

$/J+' . 7 'Q;; ;'1->'? G' @++@'+B 'P'J C+@' -C' ' BG,@Z
-C' @' E 6'A-+'#->JG@' +
+'E' -'.@+'C D'- Z D-' G' +B' (
;=PW $ '8 C$!0' 'OQ< O' -2'J>C @G'-C'C@ +>,,'' C@>+@'
A' 7 ,@ Z AD'+-' @++@' J C+@' > B'A-++@ ' AD'D -E@' >A @'
'B @'E@'+B@C@' ;=QP' 1 (!0' ;=L O' B +'+B@' D'E,@ @D'
A+@A+Z AD', +' 7 ,,2E@'A") "D--A' AD' @++' J C+' \
- ' -'D ? ' C-?'-A@ ' -A D@C + -A'+-'J>+'
->+'- '-A@ '? AD'+-' @A @'+-'@A+@C+ AZ J>+' D@Z
D -A+ A>@' 1 (
$&>$' L ' ,)" !!'8!-??@C(MQM B@G'Z @++@' J C+@' ,,'
D A.@C A J CG,6 ' 5`\ !($ $ $-1OH %H9O '
_ '4NL' -' @+' J C+@' ,,' > E@'A@>@'E@ GA@' '+B +'+B@AA@'
+B@G'B DD@'E@.-AA@' .B1'C$ ' ' < !!
3 ,-A@' !- (' ;PK;' O@' C- , U@' AD' -G>,,Z @+' -C- @'
J C+@' $%+O' . ')' - - ($, !!0' SS' , ;PO' !@'
I>@ +C A.' AD' @++ A.' J C+'B+' A.@C' -C'B +'+ ?@Z $'4M=4
!J 3 ' 0' $, ! '8;M<K(;==' B@G' ,,' @+' ,,'-+B@C'
O> A@ ' J C+
=1+' ''$1 &!) '* *!0'* "0
';=Q;' . ' c 6L#_N8!-??@C(;=M' B +'+B->'C@,-CA@' A'
+-'+B@'?@C G'- '+ G' D@C ' ,,@'@S > -A' @+' 'J C+' XW-K
- '>C ' 0'C 0' ' 7 U '8;KQM(P' !@+' J C+@'+B@' .--D'
A@' AD'.@A,G,A@'-' ,?G.B+G'.-D'$/%+' B'E(! d))\'
& - -(;=EZ "@' ->,DZ ,,'D@, G@ @++@' 'J C+@Z C@J C@' A+-'
@C? AG' $/O/' ' "&' 'HH0 ' ;P<' ,,'C@>@C@A @' @+'
J C+' -'B ?' AD'B 'G >CJ'D' >+E-C+@' A%J%' ' 8 B'
$!! ' ' $) ' '7 U ';KQ=' ';;' -J C ,,@,'+B@F>@@A@'
A'E@ >+G' AD' @C+>@' ''7 B B'B@'? G'@ ,G'D-@Z B@C'&C@C-Y
. + @'- 'E C+B' @+' J C+'
D ' -' @J C +@' -C' ' J@ ,'J>CJ- @'+-'D@ -+@'
+-' -?@'>@' OMN=)PL'^@@' 1 'Ma
' !@+' D@'8+-A' D@(Z ' !@@' ?J,@'JBG Y
,' @A @' AD') I'$ B 'VO;L'+-'J>+'-A'-A@' D@
;=SK ON)7' &'0' &"' ' OM<M 3 U@'B' B-G @2'
7 B A' @>@CG'DC-..@' \' J-+' 6' @+' GD@' %4=LN '8 '
8 !(' $ '7 C +@'(' C@' A'+B@' J, @'- '+B@'
.>C@' @++@' D@' A/J+' . 'Q;; O'!@+'+B ' GD@Z+G,,';
,,' -C'+)' ;P<K ('! . '& > 1 '7 U '8;<;O(;M
!@+'G->C',AU' D@Z AD'. >@'?@@'G->C'B AD' SMS' 7 !
- &) & '+-'+@?->@ZC@+C@Z +BDC Z @+' D@Z J>+' G'
$%$&'< 7 ' ' ,-' ?'L=L' " '9-? A'J ,@' ' @+' D@'
O) Q'^@@') ' 'La
+'E' -'D -A+A>@'+,?'J@C -C? A @'-C'JC + @'
- ' , -Z+-'D CD'+B@' A+@A+ -A'-'D-A.'8 -?@Y
+B A.(' (
;=OM'>A 0 <) !0'C! (OO=PK +@',-CD@ '!@++@' GD@'
,,@' , +@C@@': ,'4==N]' & '! * '='<(<N @++' ,,@' @CC'
AD' +CG @'E@' @++' GD@' ;@&' ' ' '8 CE('9R'
!@++' EG'E> GA@' ' BG @' ' D@Z AD',@++' 'B @' GC +'
-A.@' A/J+' . '% _ B@' UGA@@' G,,Z ,,' -+B@C'
+BGA.@ ' @+' GD@Z +B +'G->'@S ?GA@'+B ' ? AA@' ? +@C'
A/O+' ' (' (' ';KK'#>CJ>CJ- 'D'B>A+ A.' B ,,'E@'
@+' D@' A%O>') ' ' 22 0'PK='!@+'G->C' U ' D@Z
- ' ' -'C@J>, @' 1 T
,'O<NN C& ! '7' ' !'O<=' -' @+' ->C'@A@?G' B CJ@,G'
-A GD@b
D ' -'D ? ' C-?'-A@' '? ADZ E AD-A'+B@'
-A D@C + -A'-
IA&+>')7' $ &' ' ' (L;K< AD' ,'+B@G'?@A+@' A'
B-A@ +' G @Z A,@ >' ,> +' ' @+' GD@' A/&+' .
,&!$) ' ;;' >' 9 *2' !@++GA.@' C@' AD'+B->.B+' 'GD@'
OPM' 1 ('V ,' ('8!J ,D A.'%,>E(=' ,,' D@C'
)S+> + ->A'!@+' GD@' A/%>' ' $ $' J, +'8;KM<(O;'
!@++ A.@' GD@' ,,' @ C@' A/OJ 'J' '0' !' ' ';;<'
6'D @?E,A.' @+' D@Z ,@,,'?@' -C'+C>+BZ+B@'?@ >C@'-
B ' ->@' A>A+' 9 ' (' 0' &'C&*';' JC Z 1@+' @+'
C ,,@CG' -C' -?J,?@A+' D@Z' A' E@ G'-C' E @A @Z
E@++ '+B?';' A'G->C@?AJ A' B@A'G->' C@' A'J?A' SKK'
'V ' !2(SS 6Z -'? U@'B@C',DG'' @+G'+B@' JC A J ,'
-E*@ +'- 'B@C' C@Z @++A.' ,,'#+B@C -A D@C +-A' D@
,&' (' '%(' 'A/>A'< 7 'C& ( ) '&%' $ 'S,Z
' @+' D@'+-'+@,,'+B@'C@ +,@' @'+-G,@' B@'? A.,@D' -CJ
4 +' A' ?J@C'JC'JJ,' -A + ' S ,>D A.Z@S @J+Y
A.Z@S @J+' -CZ J C+' C-?
S#+-'' ' .) - * '? ('PMQ2:' '!-,GB ,,'E>+'
A' +Z @++ A.' D@'+B@'%B>C BZ+B@C@' 'A-+B A.' -C+B' .B+'
$%/A' . '= '+ '?' & !&>' 0' !$ (PP' AD' @+'
A@' D@Z+B@G' B@?AD'A' ,,'+B A.'A@ @ CG'-C'B>? A'
, @' 5%" $ [5OC$) 'C&!('* ,0 ;NQ'O>+' @+'+B 'C@ J@ +'
D@Z+-', @'->+'-' '? A'%->A+C @Z B+B'A-'C@ @?E, A @'
-'@ ,' ' ;QMN -*& & ' ' ';:'S ' ';OL" @'
@CG',--D'U AD'- ' '? AZ @+ A.'' D@'E ' .>C@' OKKL'
') !!' !!&'$ >' &) '' '<P'!@++ A.' D@'
+B Z ,,' A@I>,+G' -' C' ' ;' A' @@' @ @
B3'8 (' A'JJ,' -A + ' -+' + U A.' ->A+' - Z ,@+'
,-A@Z 1 0
>! ' 0' ,,&-*! ' &-$'' M; :'+B AUZ+B +'!@++ A.'
)D@' AD ,Z +' @C@' @A->.B'+-'@ J@'+B@C^?@A' a' @AY
>C@' OQKP' 1 $!' - (:'ML:' ,++@C@D'?G @,'+B +'+B@'
.B+'- ' ' ->A+CG B B' ' @C+ A,G' E@ >+ >,Z @++ A.'
)D@'+B@' B , A'- 'A- @,+GZ ->,D'B @' ?> @D'B@C
@' -'C@*@ +'-C'+BC- ' - @C' 'E@A.'- 'A-' ,>@Z
)@A GZ -C'J@C+ A@A @'+'- @? ,@Z
$/O&'9 ' ' 'C (' "-1&!0' .$' , 'e' OO I>++ @ '
@++ A.'-A' D@'+B@'-??-A'C>,)'-'+B@', ' $'5&&&' 1 ('
$ "';K' 3 G' MKKb !>B' 'D J@A A.'J- @C' ' '? .B+Z
@+' D@' ,,' ' '[QMO Q4' '' 9 .1 'C) >' ' (
C$ ' 0'8;QKo' 'PQ' ' !'EC->.B+'+-' @+' D@'B '@ Y
D@A @' OKQN ')) ' @ ' ! (' ' '8;#N=(;LL' B@'
@S +@A @'-'?-C,@ , '+--'J +@A+ ' >E*@ +Z +-' E@'
J@C? A@A+,G' @+' D@'EG' B>? A'E@A. ' A!&' B '
&' 0' 0' ' ;LP' B@'C>,@'- 'B@C@D+CG' > @ -A' '
)+' D@' OKKW 9')7 ' &' A'; ;O O' -' @+'->C'
B-A->C@D'-+B ' AD' C?' ,,@. A @' -'G->' D@Z 'E@A.'
>A+> +,G' -CA
I' -'D CD' -C'C@*@ +' C-?'>@' -C' @C @Z A'
->C' - ' A-+B@C`
OPQM"< 7 ' &&- -'&%' &&- ' $"'9' *'EZ!@++A.@'
' D@' > B'+B,A.@'' C@'C@I> +@' -C'+B@' ->,@'B@ ,+B'
AD'-? ++A.'+B@'-E @C> A @'-.-D 'B-,G'-?? >AD@?@A+@'
OM<;' $!' 0'< $ $-(@+ 'O=' 0' $ &,.0 3 G'4)CDZ
:'UA- 'A-+'B-7'' ?@'+-'E@' >??-A@D'>J-A'+B '*>CG' -C'
' ?'A-'5C@@B-,D@C' 0' ("0' &!(B@A' @+'B ?' D@

;QQ<' & ' -'L<'7 B@A' '? A'-' UA- ,@D.@D' B-A->C'
@@ 'B ? @,' @+' D@Z AD' -E, .@D' +-'. @' G' +-'+B@'
-C+B,@ ' AD' -A+@?J+E,@' OK=< = B. ' 0' ' 0'
'P' '+B +'A + -A ,' -C @'^+B@'?, + a' @C@' @+' D@Z
+B@'.@A+CG'-' A., AD'?> +',- @' ?> B'-'+B@C'D .A +G' AD'
A,>@A @' SKMS')' B7 '? 0' &' (S 'OON -' @+'
D@' +B@'@,D@C' -C' !+> C+'EC A BZ AD' +-' >E ++>+@Z +B@'
G->A.@C' OKQ<'3 ':'<B ' ,0' 0' 0'S, '==N B@'
A., B'JC G@C E--U' ' @+' D@Z AD'+B@' + A'? ' D'
. A
. ' -' AA>,Z I> BZ C@AD@C' - D' -C'A>. +-CG'
%B @ ,G' $5 0
OQMN %Z # ' "$!'8;KOO(" ' ;Q<Z 'B @' +' A'?G'
J- @C'+-' @+' D@'+B@' B-,@'>AA +>C ,Z A-A @A ;
;Q<N' B 6)'\' 'V 0'?0' *0 :::'P' 'C>,@'+-' B@' '
> @ BG' +B@' @CD +' B->,D' A-+'E@' @+' D@' AD'
A@ '+C ,'.C A+@D' OKQQ' 1B 7 ' -0 4 4 'M;' -C'
D-@' +' @+' D@'+B@'A@ @ +G'+B +'+B- @'?B->,D' B@@CY
>,,G' @J+'+B@'.-J@,' '%BC +' OKKL' $5)' %0 ' F' OZ
/ 'P<;' 'C>,@' ' >E @I>@A+,G'-E+ A@D'EG'3 C'7--,,@++'
+-' @+'+B +'A-A > +' D@
B ' -' @J C +@' ->+' -C' 'J C+ >, C'J>CJ- @'
OQON <) '\')' ' *0' '4;h#\+'99' & CY
+ >, C'&@C -A ' B-' C@' @+' D@' AD'J D'-C'+B +'&>CJ-@'
OK<N B ' ' 0'% & - ' .S' -' @+' D@' '+-C+'-
+B@'A + -A ,'C@ @A>@'@ @CG'G@ C' OK<O $2' 4%,,'
;LN O -' @+' D@' 'J-C+-A'- 'B ' .@' A' #,D@C'+-'?@@+'
,-GD''D@E+2
!3' -*' G' ' -'C@?- @Z D-' G' +B
,';=LN '&%' & -1 "' '8 ' !(';M)++GA.' G' ,,@
+B +' ->@C'BG?' A'C@ J@ +'-'+B@'D->E,@D' OP=<' 2 '
h.' -0 1 0' 2(' 8 CE(ONN 9A- @,@D.@' > @+B' '
+-' -C.@+' ,,Z AD' @+' ' G@'D J, A@' ;)Q'= <'<0
C 0' 0' ;;Z -' @+'8-C J>+(' GZ & 0
+-' f' '1"(;=O'E
>!#!' " 'K(' &&. "' 'PO !+C A' +' AD' @+' ' G'
-C'6 @
' '! 0' -' @+' - ' - 0' $!('
SKSK' ' &1' &"'SS Z 3 ++@'E D', ,,'+-' @@'?@'
@+' '-A'+B 'C D@
! ' -*'E U
' -'B AD@C'+B@' JC-.C@ ' - Z . @' ' B@ U'+-'
Y$/I+'- . 7 '>$A5A' ' @+'E U@ CD@Z -C BGAD@C' '? +@C
+B +' +,-+B@'A + -C CD@ ' 'B @' @+'BG?'E U CD@'+B '
?-CAGA.@'?-C@' +B A' B@' B ,' -?@' -C CD@' +B@ @' @ @A'
G@C@ a' SM--'' ..)' " 'AC'S K' B->'E D +'?-C@'A@@D'
+-' @+'?@'+- U@' +B' -C @'- 'C?')A%&>'= ' 0'C$!%0'
'ON B@'@AD ?? . A.' AD' @++ A.'E U@'- '+B +'A@ ,@
@ + E, B@D' 9 A.D-?@' $ 9 8h' 8' -(7 U ';Q;M
'MO OG' -'@ .@C,G'J@C > A.'B@'@, @ +> ,,G'W@++@+B'E U'E '
D@ .A Z $'QNN 3 . ' $ "' +' >.';M<LZ B '> @@D@D'
?> B' @B' AD' @+'B C @ +'@S+C@?@,G'E U' OQ)')R
' !$ $' :PM' B 'B D', U@'+-'B @' @+' ,,'E U . A
E ' -'J>+'8 ' ,- UZ +'B AD ('+-' A'@ C, @C'+ ?@'
OMLP'CB . ' -1!0' ' 'O #'C'B '-?@'C-" U'B@ C+' @+
E U+B@'B AD' #'5 +@ 'J@CJ@+> ,,'%,-U ' OK<O !!) ('
$' 0' 2'<: A'=P ;' B@G'C@ -A ,@'J@-J,@'+-'?-A C BG'
AD' @+'E U'+B@' ,- U'- 'JC-.@C
' '! 0' -' ,-' A'+B@'C@ @C @'D @ + -A
OKNL' ! /' ' . 0' 8;KP<(' 'O= ;' ' A-+'+B@'+D@' -'
-J A -A @++ A.'E U' +B' ' +C@A.+B'@I> ,'+-' + ' ,-
!/' -*'EG' ' ' -'J>+'-A'-A@' D@Z, G' D@
=6 0 AD% 0>+(' 0
SM-' $- 0 ' 'O<P "@'J, G'+B 'E->+' C +Z @+'EG'
B ,@' SM M O'# $*!' '&%' (A' '8;<NP(MM' -'
E@' @J C +@D' AD' @+'EG' 5-C' A@C Z +-' -,D'%->A+@ @ Z
'OM=O' B 7' <&1!' ' ; '7 U ';KQ=' ' SM !@+'B ?'EGZ
+,,'B@' -E@C' OMP=+C' ,) ">') $'C&!0';O1->'B @'
-C @D'B ?'A-+'-A@' G+-' @+'EG'B ' 3 6^a+ Z AD'+-'D@J-@'
B '%C- A
E ' -', G'>J'-C', G'EG' -+' >+>C@'> @
>"' = ') ' $.>' &"0 8" U,'!-%('K -'+C ??@'
B 'B JJ@ '@+'EG'-?@'A@ 'J AA @' A>A%' '1 >'
' ,0 : ;NN O B@'& A+CG'-C' @++ A.'EG' B +' ,@ +' @+'
?@', SKSK' '? ($--(SS Z @+'+B@'E->@'E@'C@DD'
>JZ +B@'EC-U@A' ?@ +' @+' EG' OKPN 3 ' 9 '
' @+'EG' -C'B@C
- ' -'C@*@ +'Z D ? ' +-'D C@. CDZ -CA
$/OA' (' $' ' 2 > 0';<;N: O<= -'?-C@ @+'EGZ
E>+' @+'EGZ+BC>+' D@' OMLM' 8 ' $!! ' '? $) '
7 U ';KQ=' '<0 C+B' @@'@'EG'599& (5 &' -*0
'S 'OL' O@A.'A-' ' @+'EGZ, GD' D@' ' >@,@ @Z AD'A-+'
@++'EG' OQN=' $!' & ! ' 'LM' -' @+'EG'+B '%-AY
,> -A' -C ' B,@' ;QPK'! ' 6 ' -0S '=K;' '
AD J>+ E,@ 'O@ , ' AA-+' @+'+EGZ AD'+B@*>D.@' ,,'A-+
+'=1+' '1" ' @++ A.' D@Z A-+ ->A+ A.'
$';P<O' >0S,?0 !* &') ';' Z!@++ A.'EG', JB-A >"J- @C'
D A@' 7B +'? A' , @ %->,D' ->A+@C ,'E ' ->C .@'
MPQ' ('E ' , &0'C &*!' Q' !@++ A.'EG' ,' B ,DC@'
B B', @'>AD@C'+B@ C' J C@A+'^@+ a' +B@'A>?E@C' -'+B@'
C@ D>@' ,,'E@' ->AD' -' ? ,,
+'D ' -'. @'>J'8D- A.' -?@+B A.(' 1 0
$'A%>&' .) ' 0' $ .0'8S)M(OKO -'@+'EG'D Y
J>+ A.' +BB ?Z '-A@'+B +'+-E@ -A A @D-A,G'EG'B ? @,
:# ' -*'<7W ' ' '$ &2'(: /
' !@@' ?J,@'+C A ' @A @' AD' 8 '$ (
8 (' -' > @'+-' +'D- AZ $ (
$';=QN'K C ' & 0' A' 0' &!!(' 0' &' (8% ?D@A('
OOO' B@' C @'-'7-C @+@C' '+ U@'E@ -C@'+B@'?)C@' AD' @++@'
D- A@' A'+B@'?GDDG'-'+B@'BG'+ EG,,@' OPOP'
& 0' ' 'SS 'O<P'E' B@'D>U@'-'#C,G >A @' @+'@>@CG'
? A'D- A@' OKLP 5 (('C ', !!' ' " ';LP'7 @' @C@' @+'
D- A' ' +'A@2)-' -,D'.C-> @Z ,?-A'8@+ a' I& I'! ' O'
! ' & ' 8;KMP(OQ' B@' ,++,@'.C,'B A. E@@A @+'
D- AZ A' 'B , D CU@A@D' J C+?@A+Z+-' ?> @'B@C @,' +B'
+B@'J +>C@'A'5-S''O--U'-'3 C+GC
i'8)(-'@A ?J'8 A' C?G'-C'B- +(' 1(
A%+>' & (' 'O'7 @' ,'E@ -C@'+B@' ,,'-'$-?@'
+-'?-CC-' '!@+'D- A@'->C'" - +' A%A$' 1'=*B 7B' $T'
1 S7'O@ > @'B@'D D'A-+' J@AD' -'? AGE--U@ ' ' A+ '
? B>'D DZ E@ -C@'B@' +@'D- A@'+B@'@>@A'&C A @ +' B@E@
4,+' -'J, @Z +> +@Z ,- +@2
OKOQ ' 0' .!"' " ' !(OK 5@E 2j' A' ! -++' &'0

$'&' $!' A+C-D' JJ Z 7 B@C@ @C'+B@'E@,, .@C@A+'J- @C'
? .B+'E@'J,@ @D'+-' @+'D- A'+B 'A@ ' +B@ +C@' OKKO'7 '
= 'A'3 U 6' % '8;K<<(" ') ' @' ' @+'D- A'
E@++@C' +B A' AG'+- A' ;'B @' @@A' A' A., ADZ 'OKKQ'
66 ' ! ' &2'8;KK<(L;M' "@' '+B@' @S +'
->A+@CJ C+' -'+B@' -AD-A' :@ 'D@ ,@CZ @+'D- A' A' +B@'
? D +'-'+B@' ->A+CG
= +' $.&' "0 8!@@'I>-+ (
OMS=' ' $!,&' "' ;'S '=N 1->'D-%' +'B@C' C +' @++ A.'
D- A@Z .>@'B@C' '?> B' ' B@' ,'+'-'+ U@' A+-'B@C' .-C.@'
OK<O' ' 7'? 1!0' ,,!* 0' OO<' ' &2''&'-&)!(J>+'
A+-'+B@'?@
E ' +'4%+' -', A.',- Z8@E @'+-'D@J-!@' C-?'
- @'+-'J>+'D- AZ I>@,,' 0
I$J%O' B ' . '?!$)', 'MLP' 'B +' 'EC-.B'>J'
B@' @+',D->A' AJ >' 3 ' '8$-,,('OM;' A'
_V +' ->A ,,@' @C@'G @++'D->A'?@AG'E B-J' AD' EE-+@ '
1 0' ,,,2';Q<' "@' ' @++@'D->A'-'+B@' ->CE@'J-J@' AA-'
@A+> '$'$/>') '8& + -++@(&'0 ,&0 8!' '!('
::'O=;' F>E +' ' E@ +'+-'E@'D-A@' . A +B C'A@ 'C@,@'
.@->A' AD'+-' @'I>E +' G'+B G'? .B+' @++'D-A@'+B@ ?A
=1+' -' ,- @C'8 ' J@C -A' ' JC D@Z @+ (' +-' + U@'
D- AZ A>E
QPL') '<$' &''8;QP=('S 'OP;' ! C' " CCG'
- A)'B ? @,'+-'E, ?@' AD'+B>'+B@' DG''JC D@' (+-'
D- A' -+,G' OK=M / '# .)' 0' $) ! ' *' U@'B@C'
?J>D@A @'] ' @+'B@C'D- A' -C'+B@'C@ + -'+B@'@ @A A.'
OK)'= (' $ $' $!* $' ' ' 2''
' ' > B' 'B@ D +C-A.' .C,'+B +' +'+--U' 'D@ ,'+-' @+'?@'D- A
' +'= +' -' , U@A' 8+B@' +C A.' -C' J@.' #' '
?> ,' A +C>?@A+(' 1 0
A/%/' 1 ' $)) ' ' . !" (' ' ' !"'(+-'
@ +@' J'+B@' +C A.@'-'+B@',>+@' 5 ' , !"'(+-' @++@
D- A@' A%+& ' 0 C' 'ONO' #B'G->' C@)' @,,'+>A'D'
A- ' O>+'"@' @+'D- A@'+B@'J@..!'+B +' ? U@'+B '3> , U@Z
=1+' -'E@ +'D- A'8J' 'B J@
O7L' ' ' "' 0'C) , $ 'O<L'!-'?> B'-'+B@'!B@@+'
',@'- @C'+B@' % +G' ' @+'D- A' A+-' +' +B'+B@'!@ ? A.'
? ,,@+' SK 6' (T : 3 (') ' ' 0 #;S' 7 B@A'+B@' C-A'
'+-'E@' @+'D- AZ +' ' C +A U@D' +B' 'C->AD' >,,@C
D ' -'J, @' -' '+-'C@ +'>J-A' ' >C @'+-'J>+'
D- AZ '>J-A'+B@'.C->AD' , -'$1 &!0
$'/!/.') &' ' 0 ;0<PK 8 CA('#A' A' B@)@'J A ,@'B@' @+'
B ?'D->A' #'BZ+@?J,@Z ,'OL)' " ') '? .0 ') ' A'
?$1 ? .09h' A #?@'J, @'+B@'% C>@C'D-+B' @+-' B@' ' AD'
@+'D- A2' AD' A'W-?@'J, @'B@'E@ C@+B'+B@' C +'D BZ AD '
@++@ B' +'D- A@' ->@C@D'E@ -C@'+B@'D@.C@@'- '9A .B+' OPQL
C' ' 3 ' L.0 8% ?D@A('=' "@'B +B' @+'D- A'B ' + +'
,'SM--' ' &.'0 S,6 Z ' 'B> @ '!@+'D- A@'B@C'
E E@' 4Q<M = '=' &2 & ' ' !'$' 'SK-'! C D CD'
+'D- A'+B@' AD,@ + U' SD !' '? & 'SZ B@'E-DG'
'B@C@' @+'D- A'E@ -C@'+B@'D--C'- '+B@' B J@,' 4KQK5$'
: ' . (< ! && ', 'OK 'G->' ++@?J+'+-', +'-C' CCG'
?@'D- A'+B@'+ .@Z;' ,'U U' AD' C@ ?'+ ,'G->' @+'?@'D- A
8D(' -' > @'-C ,,- '+-' , .B+' C-?' ' @B ,@''
+-'TDC-J''8 ' J@C -A' +' 'J, @(' ' , -'$1 &!(
' 8! D'-'+B@'J@C -A' -C'J@C -A'A' B C.@'-' -C'- >JG A.'
+B@' @B ,@Z -C'-'+B@' @B ,@'+ @, (
OMMK < ' 1 ' $ "' ;K 3 CZ 3 G' @' AD' .D A.'EG'
- BZ B@' @A+' +B'>'+-'"-,E-CA@Z B@C@' @'@+'B@C'D- A'
;M<='8 U %$ O &)!1 3 $! ' ' Z 3 G' - B' B ,,' @+'G->'
D- A' ;Q;L'< ' 0 &'C&* 'K :>,GZ'B A@' @'*> +'@+'D- A'
! C'! ?>@,' C+B' +'+B@'#J@C ' OQ)'3 ' ' ' ,!$
Z:'UA@ 'CE@'J- +, -A'@CG' @,, ' AD'+B@A'B@'+@C'D'?@'
B@C@'B@'B D' @+'G->'D- A' OK=O '< 0 & $ "'
$-&' ' Z ' A>?E@C' - CC .@' >,'- , D@' @C@C'
DC A.'>J' AD' @++A.'D- A' OK=' N# Q'=' ')' KPeM'
!> B' C A' B ,, '+ U@'>J' AD' @+'D- A'& @A.@C' +'@ @ G'
& @A.@C'!+ +-A' OKK<= ' . L) ' &&. 'C$ '
:N' ;SN B@' CC .@' '+-'%-?@'E U' -C'>W +@C' @++ A.'G->'
D- A' +'+B@'+B@ +C@
@' -'J>+'D- A' A' C +A.'-C' A'JC A+'+-'J>+'
-A'J J@C'+-'@A+@C' A' ' + ,-.>@'-C' ->A+'+-'
C +@'->+Z -?J- @'+-'J6+-A'C@ -CD'+-'C@ -CDZ
C@, +@Z . @' A' ->A+-
$J>&' (' !!3 * ' ' 0 8;MSQ('<Z ;' @+'D- A@'Q
AD@C'+B@',A@' . A +'+B@'J, @'-'J@A@' OPQM < 7 '
&&- - '&%' &&- ' @A+G C J C+' -' C .B+>->A@ ,@ ;PQ<
C@' @+'D- A' A' +'B@'! C'J>+C@ a'+B@C@
=1+' - E@ +'D- A' A'J@ C-->'J@C A' ' @++@'
D- ?@ -?@ B + --C+E'+B@'C@ D A.' OL<N ' 0
' 'O'1->' U@'O-++-?@' C' @+'D- A@' JC'&GC ?> '
XM-P) %#' ' 0' $ '0 ;' 'e'M'OK +@C'+B@'%C@ + -A'
' A B@DZ +' ' %++@D- A@' A+-' W +B + ? A' 'J, @D'
A'+B@' CD@A'+-' -CU@'+B@C@ A' Q1Q 'M * $- ' '>'
? 0 'OKK AD'B@C@' ' ?' ,6A.'+-' @+'D- A'+B@ C'A ?@'
OMOP'$'. ' $ "'8" U,'!- (' 'QN :' -C.-+'+-' @+'D- A@'
B- ' ;C@ @ @D' ,@++@C' C-?' 3 C+ A'D@' > A, ' 4MML'
R 'C$ $ (C! - 'S '8;MKQ('. '1->' ,,'@SJ@ +':B +'
' B->,D' @+'D- A' +, C.@'+B@'J C+ >, C' '@ @CG'- G'
-A @C@A @' OMKQ' '6 ? '+C' '&' ' $ 0 ;;' SKO
'.C@ +'? AG'.--D'&-C+'+B @'C@'A-+' @+'D- A' A'+B@'3 J'
/2Q/' ' * 0 -' OMM I/' "@C' 7-?@A C@' ,JB Y
E@+ ,,G' @+'D- A' A'B@C' O--U' OQQ<: '= ' C 2' &,0 (
8;QK<(;' S'MO2;' @+'D- A'+B@' B-,@' @A@' '--A' '5]' ,@ +
?@' Q0 1'' ' * ') - (' %'8@D'L(' ' Z
3 G'G->A.@'+E-G 'E@+B->.B+'B ?,@, '-' @++ A.'D- A' ' @ '
)! B--, ? @C@' OKML' . # ' ' $. 0' $(
S 'L<L ;'B @' , G'C)C@++@D'+B' ' S++' @+'D- A'+B +
J @' OOO1' ' ' !0'< 1 &'' ' + ->,D'
E@' C'+-' @+'D- A' A' -,D'E,--D'+B@'+B A.'B@'B E+> ,,G'
D
+'8)(' &' ' &2'' '-C'&' * & T(+-' -?@'
+-' ' A ,'D@ -A' 1(
OL<N < ' '&&' $ '7 U '8 C- ++(' 'OL'
B@G' @+'D- A@)'+B@'J@C -D' +B' ' D@@J@ .B' OP<N]'
&) '0'<$ - 0'E D' 4 ;PN' +' , +' B@' @+'D- A@'B@C'
J@C -D'-A'+B@' @' - ' ,@S Z +B AU A.'B@' '+B@' C@ +Z
%'4,+' - S' +' ' @C+ A' ?->A+' 1 0
@>"' < ' & '$'< ' '8;P<<(' E2' @-C.@'
C@@A@Z @+'D- A@'+B@'U A.'-'!-+'' 'C A-?@' OMOO
$' ' $ "'8" U,'!- (' 'O=;' +'1 ' ' ,' @++'
D- A@' OMP=' .'%) '" ' '8;MM;('KP &C@ 'C E@D'
+B@' AD- ?@A+'-' ' C Z @+'D- A'+B@')@'-'&C@ +
= +' -'J>+'D- AZ ' A' ' B@D>,@' -C' + E,@Z &

!   #

J@C -C?@D' +' ' @C+ A' + ?@' i+-' JJ-A+' '
+?@' -C'+B@' J@C -C? A @' - '8 -?@+B A.(
> " ' ' , 0' 0' ' ' L;< #A' 7 @DA@ D G' A@S+2' @'
-,@?A,G' @+' D- A@' #>C' %-C-A + ? ' ;P<= n ' .('
C' ' == 7 @' B >@' A-+' G@+' @+' D- A@' +B 'D G' - ' C >?JB'
>!" '^%' V ") , &'' 0' < `' & ' $! ' ;ON'
B@ J, A+ '?> + @+' D- A' B ' > @' +-' E@' B@ CD' ;K;<
B ' C/' $ ' &- -(' C! $' 2' KP' % @' ->+' - '
%B A @CG AA-+' E@' @+' D- A' A-C' B@ CD2' >A,@ '+B@G' C@'
.A@D' EG' '!@C*@ A+' ;KK< 8 B' $!2 $" ' ' 0' ONL'
B@' C@ +' 7@ +@CA' @SJC@ 2' ' @+' D- A' +-',@ @' / D -+'
L' ? A +@ '@ C, @C' ;K<P' .!"' & ' +@C' +B@' > @
B D' E@@A' @+' D- A' -C' +C ,
' -' , G' D- A' 8 ' JC A J,@(2' JC@ C E@' 8 '
C@.>, + -A2' ?-D@' - 'JC- @D>C@(' 1(
;PQM' - . 7' C$'&*!(' * E' OPQ' 7 B ,@' ' @+' D->A@'
D C@ + -A ' AD' JC@ @J+ ' ;PQ<' . ')*) '8 +E(' ;<L'
!B@' @AD@ >-C@+A'+-' @+' D- A' .--D', @ ' ;MOP'
- !0' '6 -(' 8 CE(' PNK' B@C -C@' @+' +' D- A@' B +'
A' " E +' - '!@ C@ G2' ' E-+B' &-, + U2' AD' 3 -C ,,' 4M=4
= . ' %& -(' A ' =Q' +B@' %-A ++>+ -A' - '+B@' %B>C B'
E@' ,C@ DG' @+' D- A' EG' D A@' JC@ C J+' SMKK' (' ,&' 0'
C (' (' $!"' LN' ,,' - '+B +'% - ,@' B D' @+' D- A' +B ' -C'
'$>,@
. ' -' D@+@C? A@' -C' C@ -, @' >J-A' , -' '
&2 ''&' >' '8 @@' ' ('K' E(' 1(
;PK '(' 6 .)'+C' $ $' $>' ,& 0' (' ' 0'555('
QL' N2# '+B@' ?@@+ A.'- '+B@' 9 A. ' AD'+B@'% J+ A@'.@A@C ,,2'
+' B B' + ?@'+B@C@' ' @+' D- A@' ' C D@' AD' 5 +-C+@'
DSS' ' "-1(' ' ;QK 7@@' ,'B >@' +B@ @' +B A.' ' ' '
D- A@' EG' , >,'%->A @,' ;MLO' 1' ' F.' $ ' 5 '
>U@' S ' O< L;' "@a' ?> + @+' +' D- A@' +B' B ' - A@'
B@ C+' +-' >AD@C.-@' C@ -,>+@,G' ,'+B 'D >,+ @' +B +'^@+ a
*+' *$ (AD' ' 0' -' E@' C@ -, @D2' C@ -, @'
1(@S ''& ($!(' ?+' A
$';PKM' ' ,$ $'+'8!-??@C(' ON#A@2+B +'+-'JC @'
@,,2 -A@' ?>+' BC +' @+' D- A@' +B' B ? @,@2' B +' '+-'
E@' @S @,,@A+' ;MNL' : .. 5I SI') . =9S(N+'O<P' '? A' @+'
D- A@'+-' ? B @@' ;MK=' ' &' $' ' ' A' ' LM
'G->' @+' D- A'+'@A*-G' ?@2'! C
A2' 8 (' -'@ + ? +@2' C@ U-A'' ' A'@ C,G'>@' +B'
-E*' AD' -?J, 2' -C' +B' , > @' ' A- '-A,G2' +-' C@Y
. CD' 8 ' J@C -A(' + 2' + U@' 8B ?('%& ' -A D@C' 8B ?('
&' '8 - AD -(
;Q<K' < $! '$': ;KL2:' A@ @C' @@' ', EC CG' - 'E--U' '
B .B,G' . ,+' E AD A. 2' E>+' ' @+' D- A' +B +' +B@' - A@C' @,D-?'
-J@A'+B@?2' L I' '\' ' ' $' ('!2' ' ,.-$' ' ('
8@D' O(': ' ;<K' B@' J, G >,'>A -A ->' B C +@C' B@' B D'
C +'E@@A' @+' D- A' O +0 = . < !'? $' 'S '8$+,D.(
OP' B@' -CC@. D-C ' @+'?@' D- A' -C'+B@' >,JC+' OKSP'N !),$' ,
:::' < "@' +' B ? @,'D- A' ' A >,A@C E,@' SK)'
')' ' $ (' & ' 1->'B D' E@ +' @+' B ?'D- A' ':@ >+'
A &+' '?$ '0') 'S, B- @' B-' ,A.'+-'+B@'
+C>+B' AD' >JJ-C+' +B@' C .B+' > @2' C@' @+' D- A@'
;KQ ': ' ' & . 0' '!@C':' ;;K' B@G'> @D'+-'
E@' +' D A' +-' E@' G->A.' @A ' +' B DA +' ,@ A+' +' ;KK< 5'
' E ' ' 0' $.' : 2' MK' "@' ->,D' @+' B@C'
D- A' +' -A @' -C' A' ?J@C+ A@A+ 'E> G E-DG'
*+' -' ++C E>+@2' -C' J>+' D- A' &0
K ' '!$':' & 0' <$!!$' ' " "@' ->,D' A-+' @+' +'
D- A'+-' JC @' ;KQ< 3 ' 7 ' $- &'!@C' 'S>' ;LQ
B 2' '> > ,2 ' @+' D- A'+-' ? , @' JC@J@A @' -A'B ' D@'
' - ' $!(' 8 (' B!0' -' @ +-A@ @,' 8% 'L('
' , -2' +-' .-'D- A' &''&' T' .' ' ' ' @A @' O
$' 4LNN) & ' 0 ;=N<0' 5-C +'B ' @+@' -' @++' B C'D>A'
$&>+" [' = ') ' 'S S' MW "@' @++@' BG?'D->A@' EG'
-A+ GA@' L[& X .' $ -0C$ ('"&' ' ; =',@ > 2E@GA.'
>? B +' @J C +@' C-?'+B@' J@-J,@2' @+'+@+B' BG?' @,@'
BG,,'59 7' ,' 0 ($ ' &"(8;Q;;(' 'M= B@G' @+'+B@? @,@'
D- A'-A'+B@' C ' ;QS<' ') & ' 8 ,-E@('?' 7 @'
@+'>'D- A'+-'B B
4*+' *$ 0 -' E@' @ +@D' 8% ' = (' , -' $' %'
+-'E@' @++,@D' A' 'J, @
$';LNN') & ' (;L=<' ,,'C .B+' aV C C' b ' @++'D>A'
!!!' 'C$!0' C! $ (;;' ' '8;K<N(' ';QK' B 'U A.' AD'
C -E CX A@' 'E@ A.' @++@' D- A@' + +E,@' 9$0' = '
+C' ' - '$!'6'<)0-$'' '!%(' A' OO< 7 B@A' ' ' @+' D- A@'
+-'?G' ?@ +' $>&$' ' 6)' & 0 8;KNL(' ' ;K<
7 B@A' : ?' @+' J@ @ >,,G'D- A' +' ?G' C?2' ' B ,,' - +@A'
C@ D' - @C' G->C' ,@++@C ' OQQM !' : 'C)*!0'8 'C! $ ('
'Q= :' '*> +' @+'D- A'+-'+B@' CD + E,@' +'+B@' /@,?-C@ 2'
OKSP' '<) "' 0 S 2' 7 B@A' ,,' B->,D @+' -A@' +-' E@D2'
-C' @+' D- A'+-' CD 2' B B' '+B@' ?@'+B A.2'
J ' - 5 ',&'), & 0
S.!' ' 9 ' ') '&%' $ '8 CE(' LK 3 G' B C+@' '
@++' B ?'D- A@'+ S+'B-J@' AD' @ C@' J-A'+B@' +-A @' E AU@'
-'B .B'D@ 'C@)OP<L' 'L' '(! ' ' " 'O B@' 9 A.'
EG'+B 2' ' @+' B ?'D- A@'+-' ,@@J@2
8 (' ' 0' -' +' D- A' 8% 2' P('
'O=NN))!' ' 0' ? ' '8 @C @C (;Q=;' J ' ,' @+' D- A' AD'
? U' B-C+' -, - A' O== 1 ' ' (8;K==(' '
Q' B + ^B@a' ' ' >? AD' @+' D- A@' -A' B 'UA@ ' OP)'
7 'Q;L ;2:' @+' D- A@2' 'C@ +' ?@' -A' ' @ +@2' '- $ (
OMLP' ' - ' ' 11 ' 8;MLM(' ;O= B +' @' B->,D @+'
D- A' +B' ?-D@ +@ +J' E@' C@' +B@' ' OSQNN 3 . '
$ "' ;Q' !@J+' ;MKP2' ,'+B@'.@A+,@?@A' A' B '+C A@' @++ A.'
D- A' +' + E,@' ' +B' B ?' OQON) - &) 'OSO ' ,'B@' @+'
D- A'+-' / AA@C' A>O&' = ' 3 ' !! ' 'OK' "@'
B D' *> +2' @+' D- A'+-' E ' - @@' $ +0) ' -(
'=L' " @' @C' C@ DG +-' G' .C @' +-' -D2' E@ -C@' B@'
@+'D- A'+-' @ +' +B' 3 ??-A
%'4 +' &' ' &2 ''1"' '+-'J>+'>J' +B2' % ' ! '
O)' O;' D' =$+(
,'SMSK' = ' '0 '8;<NL(' M= B@' @A@+ A 2 B A.'
' @CG' C B' !B JJ' C-EE@D' EG' >CU B' &GC ++ @C@'%-C @D'
+-'@++'D- A' EG'+B@',- @
*' 6!0 -' E@. A'+-' D@ -+@' -A@ @,'&(
OKM=' : " ' (8 ' *&!0 O=L2 ' @+' ?G @,'D- A' +-'?G'
+C A ,+-A'-'!+' +B A ' ' 0)) ' @'!S,.2 0' $ (% ';QL ;
A' B '.C@@A' -,D' .@2' B@' @+' B ?'D- A'+-' C +@'+B '.C@ +'
D +-A CG2'
i'U2' ' 0' & E@' @A ?J@D' +-' ' ' +' D- A'
1 %& '8 '+- A(' +-' E@ @.@' +' 1(% 2' '4*+(
SM@S ' !! ' !!' ' ';O< 3 A' @++ A.'D- A@E@ -C@

G->2' ,,' AD@C? A@' G->2' AD' E,- 'G->' J' ;MNM]' ' 0'='
!0' ?'S +'SMK% @ C' @+'D- A@' A' ,@S ADC ' SM S) '
3 ' 9 ' E $' $';LN B@A' AD' B@' +B@' EC >@' @A@C ,' @+'
D- A' E@ -C@' E@ -A ' OMLO' ' . ' 0' < & 'O=K
-+B A.'+-' +-J'->C' ? C B2'+ ,' @' @+' D- A@' 7 +B' ?,' ->C'
+C--J@ 2' E@ -C@'+B@' "-,G' - A@
' 0 -' B @' 'D C@ + -A' D- A CD
OQ=Q' ' 'C ' 0 !'OE' ' ' C' ,@ D A.' @+'
D- A' >AD@C' +B@' @ -AD'!@++2' +' ? G' A' ,,' JC-E E ,+G',@ D'
D- A' +-,' ' +B CD2' AD' -' -A
'!@+' -C+B' ' !@@' !/$:') '1)%' : & #
$ (i ' -' +BC> +' -C+B2' 1(
$'OOOW 0' V$ .0' KOQ' B' A>' @' E@- ' -' @ -C' -C aV@
,>+' B D@C@2 :? B ,+' @++@A' U@' -C!' OPPL' '9 .
(;;K' !-?@' @++@' -C+B' +B@ C' , JJ@'+ - ' GA B@' .--D'
E@G-AD@+B@ C'+@@+B
'4*+' -'D C@ + -C' @AD' -C CD2' @+' -A'+B@' G'
OPOP' ' A' ,6 ' ((!@C' A' 'OP' -' @++' -C+B@'
+B@' + AD CD' . A +' +B @' &B, +@@ ' ;P=<
C!&) '8 CE(' ;Q2' 'B @' @D'+-' @++@' >C+B' ?G'J,->.B'
+-' JC->@' B +' ' ->,D@' D-' ;P<N 8 ' $*&' '
Q' 3 G' -?? >AD@C' -?? >AD'?@' +-' E ' --C+E' -'?G' E AD'
- 'O- '-A@' B>ADC@D2' +-'U@@J@' ' +C .B+' -C' J .@
' %+' -' CC A.@' -C'D J- @' A' ' @C+ A' ? AA@C'
+-' , G' ->+' 1(
%O=!#' A' >A. @C' "&''8;K=N(' LQL' B@' E>+,@C' B ,' @++'
-C+B@'+B@' J-++G '>J'-A' @ B@' + E,@' ' ;P<W ' "& ' '
'O<P' 7 '@,' @+' -C+B' A' E@ +' JJ- A+?@A+' ,'->C' $@. ?@A+'
SM S' 2' ' '&%' ' ! = 9\ +' ' ? A' +B +' .-@+B'
+-' +B@' $ @C ?> +' >AD@)+ A +-' @+' -C+B' B ' U,@'
OMMQ = . 'C (' '3 '=O< B@C@'+B@' ,,@' AD' +B@' !+-CU'
@+' -C+B' E C' ,@C @'% C A' B .B'- @C' !@ ''5,G A.
'E ' - @AD'->+'8 -,D @C 2' @+ (' -C' @C @:'B@A @2'
+-'@I> J2' +' ->+' 8?@A2' ,@@+2' ' -G .@(' 1(
O=P;' ^?J,@D' A' "6 V' @>'
)&' ' S 'O;L' B@G' @++@' -C+B' ' .G' ' SSS' J GAG? '
+B@ A' OPK=^ @@ a' MNL# 'C 8PC'8;KN;(=;' B@G' C@'
-C @D'+-' @++' >C+B@' ?' AG@'+-'+B@ C@'- A@'D ,U@2' ,+B->.B@'
+B@' E@ +' +B +' -,D' E@' ->AD@' OMOM '# ' ' $*!'&%' ('
' ' '!@++ A.' -C+B' -?@' DG2' 7 ,' - +' '?> B' '>CA BY
A.' '5,@@+@2' SP P'$' ' +C' $L" ' C ' 0 !0(' P=" @'
A+@AD@D' +-' !@+' ?C+B' ' -G .@' A+-' 7@ +' AD 2' $'S --'
3 ' $ ' "' ON :>,G' ;MMQ2' B@' B .@'- ' @++ A.' -C+B' '
,@@+@2' OQNO) ' @C' 3 ' L' 3 G2' @CG' 3 -A@C2' E@ D@' +B@'
ON '+-' @+' B ?' -C+B2' B->,D' B @' PN 0* 0'$'@(OKNP ,'
+B'=P &0 'QO: Q' ' > B'!B J'-C' @ @,' -'C@+ U@A' B ,'
JJ@ C' +-' B @' E@@A2' +@C' +B@' + U A.' EG' ' 3 *@ +G''
A@? @ 2' EG'+B@?' ' @+' -C+B' W '!B J'-C' @ @,'- '7 C'
'8)(' ->CA B' +B' B ' 'A@ @ G' 10
,'OMSN &- '' $ ' 'ONQ" B>@G->'A-+B A. ',G A.' A' +-C@2'
B@C@ +B' B@C'@S@I>@'? G' E@' @++' -C+B
+'=,+' -' >CA B2' JC- D@' 8@A+@C+ A?@A+(' 1(
[!;' Q() '"&' ' 'S-' ,'?#A' +++B@'E@.GAAGA.@' @++'
-C+B' .--D@' GA@' OM;L' B ' C! - $ '8;M;=(LLN
%@C+ A' &C @!+ 2' B- @' - @' + 7 ' +' @+' -C+B' J>EBU@'
J, G@' AD' . ?@' A' B-A-C' -'+B@ C' -D ' OM<L' 7 3
" ' '>' '%$ ' $!'S 'M)' 7 B@A' &--C' $>+ ,> ' J@JD' ,'E
7 -C+B2' A' B-J@' - ' @++ A.' -A@' .--D / AA@C' -C+B
+' ' -' JC- D@2' ,,-+2' -C' @+' J C+' -C' 'J>CJ- @'
OP<M B 1. '+C' ! >' 0' ,& ' 'LPK :A' +B '
-CD->C' C' ?- CG' @++' >C+B' +-'B-,D' +X@A ' A') @' AD' A'
+B C' - @' ;MLO' 1' ' . $ ' 5 ' 3 ++'SS 'OW
7 B@A' ' ?G'%B>C B' B ,'B @' @AD>C@D'+B +' >,'J* -J#C+ -B'
- ' , +-A2' B B' 'B @' @+' -C+B' -C +' OMK=' A' & +-A'
*&&!')' ,0 ,(8;KKL('L;K' B@' +.C->AD 2 -C?@C,G'
@+' -C+B' -C+B +' J>CJ-' @
+'4*+' -'J>+' D@' '+ +B@' *' b' '&) %' '='<' I'=1('
4P)' ,'O) L' 2((';L'e' O 1 ' AG' J@C -A' CCG@'
G@' B ' -?@' -C' A G@' -C B '-+B@C' JC@D ,' +G+B@' E@ -C@'
+B@'+G+B@'+B@C@- 'E@' @++' -C+B@' ;KQN 7 ' - (% LC$ &'>'
<) '<' B&C -A' -C ' C' '+-'+ U@' G'B ' G+B@' A'
' -A ,@A @A+' + ?@ +@C'+B@G' C@' @++' -C+B
, ' - ':1E ' 0/) E.L' 61! K' !'S,' ';
!. *),'61! +' &>Z'=O' *
' (' ;ONK B '8 >?'-'?#A@Ga'+-'E@@' @+'
-C+B' A' AD 2 -'+B@' E@ +' AD' ? - +' @C+ ,A@' $@>@A>@
D' - ' JC-?>,. +@2' J>E, B2' >@' 8 'C@.>, + -A2'
JC- , ? + -A2' @+ (
$/ >' ' $ $' J +'8OKM<' ;< 3 AG' .--D' , @'
AD' +@'? D@' AD' @+ -C B@' A'+B 'C@ ,?@' A/ J B
'$ 0' 1) 0 +' ;Q' '+B@' JC A@' +B A'D-@' @+' --C+B' ' @'
-A+C C @'+-'+B@@' @' ' $'A>++' 3 ' $ "' '#' +'
4MP;2 #>C') +. -A2 +B ' B D' A@ +B@C' JJ- A+)'A-C' @+' -C+B'
AG' 9->C@' -'JC G@C'-C' EC@ C@ ' OQSO ' C , 0' -'
;Q' 5'O B@' B@' $>,@' - '+B@' %,>E2' ' @+' -C+B2' A' ' E,@2'
A+ +>,@D' ' , '&%' %& - "(A J>' . C ((
'' '' 2 G@++@2' '+-U'J-A'+B ?' +-' '!@@' -C+B' ?-C@+B A'
-A@' D@J C@ +-CG' -C + -A' OKQQ 3 ' 7 ' $- & '!@C' '
'M= 'JC- , ? + -A' ' @+' -C+B' J, A.' 'JC @ -A'B '
B@ D
@ ' '%- $# O' &C-a2' +-' $DC 2' '+-U@'+B@' >J-A' ?@'
>' +-' @+' -C+B' +B' ' J@ ,' +C A , G-A' O!<N &) '(
<$ - ' '%-A ,2' 7 U '8 C- C+(') 'OO; :'B >@' @+' -C+B'
? AG & ?JB,@+)' >,' ' ?> B' ,->@' AD' ,++,@' ! B-,C ?@'
OMOK ! ' 9)' A' E ' ' 0 L<= /C': U -A'B +B' ,+@,G'
@+' -C+B' 'O--U' -'+B@' ++C E>+@'+' ' '$'OQNN 3 . '
$ "':>,G' ;M=P2 5 +B@C' 9 BA@C2' B- ' '+B@A' @++ A.'
-C+B' B '.C@ +@' -C@' ' ! ,)'C$- ' ' OQQ< & 0
' 'OOF QKQ(' 4P= B@' ,+'@C' B ' @+' -C+B' B ' A' JC A+
' -' @SJC@ ' A' -CD 2' . @' A' ->A+' - 2
JC@ @A+' ' + +@?@A+' - 2 *(A' -CD@C2' D + A +,G2' -C' A'
D@+ ,'+-'D@ , C@2' @SJ->AD2' C@, +@2' A CC +@2 + +%'
D@ C E@' i'+-'D@ C E@' +B@' @ +>C@' -C' B C +@C' -
OLLN . 7 'Q L ' 'B @' 'B@ @D'G->' A' .@A@C ,+ @'
+B@' -A+@A+@' -' +B@' B J +@C2' E>+'+-' @+' -C+B@' +B@' J C+G >,@C'
C@ I>*CC@+B' ' >C+B@C', G @C2' OP=K <8 3 C(O ' &- 0' C $" '
& - -)'(' C (' &!' (% 2 B +' +B@'? ,@ @+' >C+B@'
+BG' +C>@' AD' ">@,G' -CD@' S ' C &) ' '8 CE (
LK #A@' +B +')' @+' >C+B J J +C @' , ' B ?' @,@' G, ,
D ') OPKM ' ' 0 , $ "' ;;' 8;P<P(;NN ' ' A'
@++ A.' --C+B' -C' ? - +' .C ->'!->@C .A@2 @@' B->,D
G ' B +' -DD@ @ ,U@' D-CA@D' +B' A .B' J@ +@ 2'
B@' >@D' --C+B' ;PK< $6 " 3' ' (' C& '8 CE (

=;' B@G' @+' -C+B' +B@' D-,@>,' ,,@'-' A -C+>A +@' AD'
, +@D' &C A @ ' OSMMN ' 7 ' = ! +' B@' $ B'
5--,2' @+' -C+B' A' A' @SJ- + -A' -A' +B +' J C E,@' >U@'
;O2 ;M OO' SMKK 0' ,&' 0 C 0' 0' $!"'L;' ' !@ +' - '
?@A' +B +' @C@' @+' -C+B' ' 3-A +@C ' 4M<!' $' ' 4 7 '
$1! ' SSS' QK A' B@ @' BC@@' 5 E,@ 2' ' @+' -C+B' +B@'
A +G' - '6 AA +>C ,' 7 B@ 2' AD' 5--, B' &C G@C ' OQS;'
' ' ' * (-'P= 5 L' ' C@ + @2' B@C@ A' : B ,' @+'
-C+B' +B@' $ @' AD' &C-.C@ ' - '+B ' ?->' !@ +' O@=M
' 3 ' 0' 8;K;K(;P;' @A' A G' B ' B@C' ?@C +' B@A'
B@' @+' -C+B' A' > B' J,@ A. ' ? .@CG2' +B@' C> @D' :@ > '
bK-'%-S ') (,' (= B@' A +C> + -A' . @A' +' +B@'
% J+ A' @+' -C+B' +B +' 'JC +@' B J'B D' A' ;QMO' ->AD' +B@@C@'
' -??-D->B' @A' SK-S C$ ' $ (: A' KN A'
D @C+ @?@A+ ' A @C+@D' A' -?@' - '+B@' J>E, 'J J@C 2' @++ A.'
-C+B' +B@' ? @C @' '+B@' J--C' ;KMW : 7 . ' 20 ;2)'
"@C@ CD2' B- @' @ +-CG' +B ' + ,@' @+ ,' -C+B' ;KQO % ' I'
= B ' * '' $' &'' 'O;' #A@' +@C' A-+B@C' B@ @C'
-C+B' +B@' B D@->' 'CC>J+' -A ' B B' @C@ .C- A.'>J' ;K<L'
$ &' $! 1 ' ;=': A'ON X "@' A +@' +B@' >,+ AD@C'
+-' @+' -C+B' +B@C' C.@ A @
*+' -' C@JC@ @A+' A' C+' G' 1(
;)P' '9 7 +C' ,&!$" ' &"(' ' 'KE2' 'B >@'
+B->.B+' .--D2 +-' @++@' --C+B' A+-'G->2' ' - ? A' ' B@@'
.-@+B' A' +B@' +C@@+@' A%%A 3 . ' ,)!*) $' LK O>+'+-'C-Y
@@D2' ,E@C+' ^/>C@Ca E@ A.' @CG' G->A.' @+' -C+B' ->C' DG2'
-?@'D@ .A@' -'"-C@ ' +@C'+B@' , @2'^@+ a2
. ' -' D-CA2' D@ -C +@' - ' $ (
OPLN . 7 'Q;L ;' B 'E, U@' @, @+ . - A@' @++@+B' -C+
+B ' DG' @CG@' @,' OPKP' ' 9 7 '+C' , &!$">'
&"0 'S ' P;' E2^ B@. +@a' ' @,,' @+' -C+B2' +B' @++@C'
' - ' -,D2' AD' ,@ >@'-'D >@C' -,->C ' M)' 1' 3V) $
5 ' X@U'SS 'M B@' GC A 2 B B' @C@' C B' AD'
JC->D,G' @+' -C+B' ;KK<' ' 7' \' $- ' '&) ''
' 'MO "@ G' ? B-. AG'+ E,@ 2 @ B' D>,G' @+' -C+B' +B'
E--U' AD' D .>@CC-+GJ@
i'B ' -' >C+B@C' +B@' JC-.C@ '-C D A @?@A+' - '
+-'JC-?-+@2' D A @' 1(
OPOK = ' "$!& ' 7 U 'OMO O -' -A @ @' B +' B@'
B D'D-A@' -C' B@' @++ A.@' -C+B' - '+B +' @ +@' OP=O ^ ?J,@D'
A' "6 V' OPP;' 9 . & , '*2' B@' @CG'
> @' - '+EGA.@ 2 ' > B' '-A@' +B +' 8' + E@' JC + @D' A'
@CG' D @D@2' A ' @+' -C+B' +B'-+B@C' A +>C ,' '> @ 2 +B@' @ +'
?> + A@D@' -,- @
i' ' -'JC @2 -??@AD' 1(
4*)!' 1 ' $) (&- - ' $ (+-'JC G @' +-' @++@'
MVC @G->' B ,@' 'B >@' ' +-? U@' ' ,'0 9 A ' <P ! 0' G2 ,@' ?@
' @+ + @C>@' -C' + E,@' + ,U@' ?' 7@,,2' "@' @+' G->' >C+B@'
OMMO ' 76 .' 0' $, $f ;;' 'e' O' -' @+' -C+B' 'J@C -A'
EG'+B +' B B' A' +' @,' 'A-'?' ++@C' - '??@AD + -A
i*' -' @SB E +2 D J, G2 B- ' -C+B' 1(
;PP;' ' +C' & C 'E &* $' 'O'*' E2 #A.@' :' -,D@'
' @+' >C+B' +B@' EC .B+A@' '- '+B@' -AA@' G+B' ' AD@,,' 1 0
' , ' ! *E2' 7 C@+ B@ B- @' J->@C+G' B@' ^&C D@a' ? .B+ 2
@A C@ , @' EG' .-C.,->,G' @++ A.' >C+B@' B@C' C B@' ' ;P<L'
(% ' 0 M< E2' BG' -? A' D A@ +B +' AG'
B->,D' @++@' -C+B' +B@' J-C+@' AD' ? @ ,@2' A'. +@' AD' E)'
B > ->C' ,U@' A+-'B@C' ;M;;' ,& ' $ ' $ 0 ;<N
5-C+>A@' C@' E>+'+B@' J>+' D@' '+C>@' -C+B2' +' +B@' ?GAD@'
+B @' @+' B ' ? +@C' -C+B' ;MMQ = . 5 2 ? ' 'L;N -'
@+' -C+B' C@ +' +B A.'EG' ?
U ' ' 0 -' @+' ->+' &'' '*->CA@G2' $ $ ' ' A'
@A@?G2' ''J>C > +2' @+
;'O=NN (&"'=MN=' " +'G->'+-' ,@ !@+@' >C+B@'
+-' V@' @' OPLN . 7 'Q;L +' 7 B A' @++@G->' -C+B@'-A'G->C'
*->CA GZ AD' -D' G,,' OPMK< I ' &' ('O<=: B@G'
!@' -C+B' +B' +' @C@' JJ-GA+@D' +-' EC@ U@' +B@' CC G' -'+B@'
C B@C' OP<O' : *($ (' OK :' +B' ?G' B AD' @'
--C+B' . A' +B@' &C A @' SM-S ' 2 !0 ' (' ' ;L'
3 G' ,A.,->@2' B@' C +B@C' EG' +B@ @' C.>?@A+' ' C@' !@ +'
-C+B' A' G-C' J>C >@' OMQP N "' ' ,) "'5 3 8'5@E' 0 ;'
S@+@C' %- B@ '!@+' -C+B' @ @CG' 3 -AD G' ? -CA A.' C- ?'+B@'
! C O@A 'B@ D' AA') G K' B ' - 8 +'SS 'OM(
)QL=(' ' ;:> +' ' +'^%BC + A +Ga' @C@' A- ' A' +' A +'
!+ +@2' AD' A@ ,G' @++ A.' -C+B' A'+B@ 7 -C,D' 4Q<K%" @ '
@ ' 0 C !& 0 'QM 1->C' C%-,>?E A2 +'B@' ?--A'
E@ A.' +' ?, ' +' -C+B' ,-A@' OK=P= -)' $' 1.0 '*$ '('C'
PP' O@ -C@' +B@G' @+' -C+B' -A' +B@ C' D G' '*->CA@G2' S) ' 7
' (' $) ' ' ' KK B@' + -'G->A.' J@-J,@
@+' -'B -C+B@' ' ,@' OK<= ' $ ' A- ' +B@'
J C+A@C' *- A' C .B' AD',@ +B AD' A' @++ A.' -C+B
! .$!@+' 1 ')' 1 .$
' ' CCG2 @AD2 -C' +BC> +' -C CD' &' '
&' '=1 +%&& %& 2$ T(@' - ' 1(O<2 O<E
,';=LN ' &%' & -1"' '8 !(;N!@++@' -C CD@' +B@'
.>C) -'+,V@A-A EC@'?>,+ J,G A.'EG'NND @C@A @2' $' OP=Q;'
5- EC--U@' ,&' 0 & ' 0 % '8;Q<M(' KL' 7 B@A'B C'B-C' ,@+GC'
JJ8 C@,@D' B@' ' @+' -C CD' +^@C@ +B '? AA@C' OPPP'
V$' ,$ '8 CE :'QN'!@++ A.@' -C@ CD@' +B' +B@ C' -C@'+B@'
EC . A+A@' OSMSQ 8;ML=(ONO B +' ? A'A@>@CG@+'
@+' C .B+'--+@' -C CD' A'+B@' G'+-'+B@' 9 A.D-?@' -D
41+' -'J>+' 8 ' ,- U(' -A
SM ' =)). !@+' ! ' $2 !0 2' ' ->,D' B @' G-> @'
-C CD'+B@'%,- U' OK=K "' = . . ' - * 0 ('
8;KPQ(;;PNNM'- B -?J A -A @+ -C CD' +B@'B-> @ D- U
'8 (' -' A C@ @2' .. C +@' 1(
SMS' ' "&1'5550 ;L' B@G' @+' -C CD' ?G' , ? +@'
A% & B ' +C' & ' E&*$'O=' >S>CG' ,U@ @' EC@ U'
A' J @'>J-A'G->2+-' @+' -C CD'G->C&- @C+G' AD' 3 @CG
J ' - ' + 8 ' J@C -A(' A' +B@' G' - ' JC-.C@
+-'B@,J' -A' 8 ' ? ++@C2' J, A2' @+ (' +-' D A @2' JC-Y
?-+@
OPLN . 7 'Q;L O2 ' @+' -C CD@' 'J@C -A2 -C' >A @'
B ?'+-'JC-?- G-A' B@')S) 0 ;P=N (A' ,0
0 8& CU@C' ! - (=N;' -' @+' -C' CD' B +-@ @C' 'G->C'
3 *@ +G' ,2 S) +' 0C "' &) ' ,! & 0 ;<L'5-C'
@++ A.' -CD 'C+ -' +B@' -?? -A@ @' C ' ->A+C' >A+C@' '+' OMSO'
? I 5'8;ML)(ON=' 7 ,U A.' +@C' J-+ -A'+ U@A2' @++@+B'
-C CD'+B@' -CU A.- JBG U@+ U@A' 910?.0 &- 0C $" '
C 0 - 1 ' . (B +2' +B@G'? G' @+' -C CD'+B@' , Y
+ -A' - ' ,,'?@A' ;Q<L' ' & ' ['e' Q' & ' -'
@+'+B@' -CU'?@A' -C CD 'B @'E)A' -E, .@D' +-' -A+ A>@'
-A'E- CD' ->C' +-C@' @ @9 C@ I>@A+,G' ' @@U' XKSS' '
0' A'% C>' ' % '8;K=Q('LNK' !-?@'-+B@G->A.' '?@A' @C@'
@AD@ ->C A.'+-' @+' -C ')' 'O E,@' !- @+G

[illegible]

[illegible]

[illegible]

;KL' O>+' >C +' @++'-A'B ' -UU+ ') ' A' , 5&!& $
4 4 ' =PN +@?'JD ' -C @++GA.'-A'- ' 'E-CA@' \' +CG??))A.'
- 'G- ,-E.'E- @ +**D' ;P)' 3) . ' ' $ $' ' M
B@G' ' ' @+' -A' +B@' C@ Z E @ ' \' E CC@' - ' +' ;PKO
2 8 ' ' ' 'OSL' ! - - ? 'D-@' @+'-A' ,DC-A Z - - +, @C'
D-@' U@AD@,' ' E >@A' ;MPQ 7 ' ?$ 1$ & ' 8;MQL(
LK A-+B@C' ->C @' ^- ' '?@ ,a' ' @+' -A' ;;SQNN 3 .
$ "' Q 3 C' ;M<N ' -' JC-+@ +Z @+' -AZ AD' EC A.' - Z
+B- @' B-' B->,D' ? A .@' +B@' C@ B J ' ;Q ' A' & '
$' - '<) &% '<$!0 8;QKL(PO ' : -BA' ? +B' +B A '
% A'B@' @+' -A' ' B-@ ' ;KNK' $ ">' ,&' (0 OL' ' @,+'
B->,D'E@' @+' -A' +-'+B@' +' +' +B@'E U' S! -') - 0
)) C) 4 7 @ ,@(;=N -' ! 0 '+-'? U@' ' @++'A@ C'+-' A-+B@C'
+B +' AA-+'E@' @++' -A' AG' ?-C@' + ,' +' + U@A' A'-A'@ B'
D@' 4KP<' " - !0 (,0 &,0 4 4 ' ' LLN B@' + , ' A-+'
A@ +,G' @+' -A.' R&&7'C!$ ''V ' ' '9A ++ A.' A'B CD,G'
E@' @+' -A'+-- ',- - @,G' ;KK= ' &, .' " ' !0 S >. '5&33 5'
! @++@C' / -.Z .- -D' ,,'C->ADZ +B' +B@' @S @J+ -A' - 'B '
@ C Z B B' C@' @+' -A'+--'B .B
+'E ' -' @+' -A' - - +Z A + . +@Z JC-?-+@' 1 0
%$JO' B ' $ 0 E ' ('$;QNL(<= B@G' E@B-,D' +B@'
B J@' - ' 5 -,,G' - '+B@ C' - A' @++ A.' -A' ' ;%&&+' ' '
h ' &E& 0 ' 0 8;MPO(LL= B@' ?J@C-C @A+'B '
?E D-C'+-' : -BA' 5C@D@C UZ &C A @' ,@ +-C'- ' ! S-AZ
+-' @+' -A' AD' +-' >C+B@C' '%->A ,' R && 0 ,&' 0 C 0
0' $!"' ;PK' B@' ! -A' - 'B ?' +B +' @+' -A' +B@' 3 C@ ' -'
+B@' &C-+@ + A+ ' SSQ ' B ' 2 ' ' - ' 8;QO=('OMO
B@' 9 A.' ')' @ CA@ +' A' +B@' @++ A.' +' -AZ ' +B@' &>U@'
' A' -JJ- A.' +
M ' 4$+' -' >C.@'8 A' A ? ,Z *0 'D-.('+-' ++ U
;P< ' ('C0'C ' ! '0=' 7 B +' %>C' ,'A-+'E ,@ '
B@A' B@' ' @+' -A' EG'E ' ? ,+@C ' SM+-' ' - *0
' '!+ .@' / C Z A+@C'D >@C' ! J C + ' A' B J@' - ' / - . ' AD'
" ->AD Z B>A+ A.' +B@?' E->+' &C- J@C-' AD' C @,' @++ A.'
+B@?' -A' $ O+' = ' ' = ')') $!T'< !',SS 'OP<
;' ->AD'B ?' @++ A.' 'J>JJ)' -A' +-' - ?@' B@@J
4 6 L+' -' A + . +@Z A +@Z >C.@' -A' 8 ' J@C -A(&
& - ?@+B A.
S)L' 'C & 0(' 'LO'EZ O G'+B@' ! @++GA.'-A'- ' ! C'
7 ,,G ?'O G,,>,@' SW=-' 7 ' ,&!$) ' ; ' / ' +'EZ B@'
AD@ @',->@'B@'E +B' +-' BG?' @,@ @++@+B' B ?' -A' +-' + U@'
+B ' G' 6 1 0 / ' ,+'EZ "@'B +B'JC >G,G'-C'EG') @+@' ?@A@'
+-C@D'+B@Z -C' @+'G -A'U-'D-'+B '+B A.@('L I B '+C' ! E'
$' ; ' & - - 0 ;LQ O@ A.@' GD@D'EG'+B@' OG E-J'- '+B@' ?@'
% + @Z -C' @+' -A'C +B@C' SM M'$ ' $ "'8" U '!- (;
;;P' B@' E C>C. -A' ' 'JC + A.' @,,-Z AD' '+B AU' !@+' -A' J@C'
-+B@C ' SMO ' = '+C' ! - $' ' <) 0 - $'V !%0 ; ;PN' 3 G'
3 +@C' 'A- 'E@A+' . A +'?@ZB' 7 @'B D' @+'B ?'-A'
;Q=L' ' = ' - 0 Z ;K=' 7 B@+B@C' +B@G' @A+' ->+' - '
+B@ C ' B- @Z -S @C@' @+' -A' EG'+-B@C ' ;QK; ' / ' 9 . '
+C' &! $ >' $ - 0 H . 0 ' OKM B@'D@ ,' @+' ?@' -A' +-'
? CCG'G->' R&=R' ! -CC'V ' !2 0 SSS Z 7 -? AZ +B->' C+'
@+' -A'+-' +B ' 5 0< 0 & ' 3 G'LNN O +' +B@'E-G'
] +B@G' ,@+' > ' -A'+-' U
+' -' CCG'+BC->.B'+-' ' -A ,> -A' +-'DC @'
& ' (0
4PJD ' $%% &' ' $! ' % 0 SJ - ';OL'!J@ U A.'
+-'B ?Z +B +'B@' E>,D'A-+' . -' E->+' +-' A @C@' ?@Z @S @J+'
B@' @+' +' ->AD,G'-A' 4MPL' " ' = ' ' ' ' .(JJ'B '
8;QSO' ;KM :' -A @ ' +B@' #E*@ + -A' ' @CG' A.@A -> Z AD' @+'
-A'B- ?@
D ' i' 4$+' -' D A @Z @AD' -C CDZ 0
R&7R' o ' ') !0 0 ' 'LL;' !@+' -A' G->C' - - +@Z AD' ;'
-,,- 'G->' 1 0 ' ' ;NK' @+' '+-' +B@' 5 @,DZ E -' AD'
5, ' > -' @+' ->C' 0 ++ ,@ ' -A
4 +' -' @+' A' ? - + -AZ @+' - A. ' , -' $ &!0
;KPP ' ' ' ' 0 ' 'e'L' OG' B +' A ,>@A @'D-' @'
DC ' ->C' C +'EC@ +BZ -C' @+' -A'+B@' C +' +C-U@' - '+B@'B@ C+'
4KMQ 2 ' $!& > ' 1 31 .0% '&'(+B@'-CD@C'+-' @+'+B@'
@A. A@' - A.' -A'E- CD' ' +@ ?@C
@ ' -' + C+' 8 ' J@C -A(D- A.' - ?@+B A.Z % '
'&%%(;=Q'E
OKP=' ' : ! ' %' ' $*&! &' ' 8;KPP('SSS 'PK +' '
@,'UA- A'+-'E@'A-'@ G'? ++@C'+-' B@ U'+B@' J@-J,@' B@A'
+B@G' C@' -A @' @+' -A' ;KMM = ' " ' 9)' 0 $ '>'
'SS ' 'KMZ 'B @' ->.B@D' .C@ +'D@ ,' ,+@,GZ AD'+B@'
- ? A.' A' C- ?'+B@' -,D' C+-'+B@' +? - JB@C@'-'G->C' + , A.'
+- @Z B ' @+' ?@'-A'A-
' -' @+' -C JJ- A+' 8 'J@C -A('+-'D-' - ?@+B A. '
*) '&' 0 J, ' ']M $
4KPL' - &' 'C'SZ "@' ' @+' -A'+-'C@ D' + A'
OKPM &) 0 & ' O;' :>A@'P=M O 5C X@C @+' -A' + -' -C'
+BC@@'@S+C ' . A.'-'A' @
, ' 0 -' D A @Z . -' -C CD
,'O=NN &2 &' '?$1 0PPP' #A' +B G' @+' +B'B@C+@' +C-A.@'
,'O=)' ! ' 'SS 'LKL' -U@'G@' @++@'-A' ,,@' +-V.@D@C' +B@C'
' G@' B>6' B@C@' A'B-?@'E,- @'C .B+' B .B' AD' ,- D@'
OMNP 5 'C 0' ! &' - &' ' 'M !@+' -A'+-' !J A@' A'?-+'
+C >?JB A+ ?@ >C@' R RR' o ' 0 ' ' 'MK'
7 @' @+' -A ' +-'+B' ' !@ D@' $ +' ' $ - 0 ' ,,Z
3 C?-A' @Z +B@' .A ,'+-' @+' -A
i ' * +' -' ? U@' ' ? - @%& (%L(
OMOM ' ' ' ' " - !0 - 1$ "'8;K<)(L=0 7 B@A' 'D@,>@C'
+B@' @S+' .> +@'+-' +B@' 3 - . - ,, ' ' ,,' @++' -A' A@ ' -C' '
-C? ,' -A+C +
8)(-'E@. A' -CU A.
SK)' 9 '9 ' . ? ' , ' 0 'L= ,,' - 'G->'+-'G->C'
J, @ ' +B@'@A. A@' ' @++ A.'-A' . A')C' S ';QL' @ C,G'
A'B->C' +@C'+B@'@A. A@'B D'T @+' -A
B ' -' ? U@' A' ++ U' - ' $!(A' '&' '$'
-C'5) E ++ UZ ,
OM)' ')' &' 0 ! "' ;ON %->A+C@G'&@-J,@ C@ D'
A-+' -'? AG' X@++ Z ' ' % + X@AZ A-C' -A @CA'+B@? @, @'
B@C@'+B@' >CUZ-C'9 A.'-'5C A @' @+' -A'A@S+' S!D 3$!
" ' 9)' 0 $!1 0 ' Z " ' +@C Z' @+' -A' +' +B@ @)'
G A.' + ' 'B@C' >,+
' !@+' ->+' ' ' !@@ ?J,@ @A@' AD' #>+'
$ 2 ' +-', G'->+Z JC@ D' ->+' +-' > @'+-'JC-*@ +' -C'
@S+@AD' + -'D J, G' 8 ' , .(' @+
> ! ' A'5@>,,@C +' ' A0 ! 0 0'8;)K(;<L' !@++ A.' - +@'
\' U A.' A' . A@ >ADCG'UGAD@' ' JJ C@,,' OPOM
0 'C 'C$!$, 'R7' !@++ AX->+' , ' - 'D@ G A @' OPNO
' ' ' !0' * ' ' "'OEZ #.@D@ . @'DC @+B' A'
+B@' @G@ Z @++@+A' ->+' +B@' 8@@+B ' OMS=' < 7 ') ,$ " + '
LLO B@', .B+' B +'&E C> ' +- @C' @+' ->+' +' A .B+
'

: '# ') ' $' 0 0 A'S.-' @+' > ' ' ,++,@' @+' ->+'
+B@'E->AD@C +-A@' - '+B 'D I> + -A'>J-A' B B' @' C@'
,,@A' OM<K - *B ' & '%"'?& ! ' ; ;Z B@' A@?G' JY
JC- B@ Z @'?> +' @+' ->+' ->C' , @'%-,->C' ' OQS< ' - '
) & ' ;' 8 ,-E@(OS' " - ' ? AG'^C@'J-+ a' C U D'EG'+B@'
" @ +' - ' +B@' ! >AZ E@ A.' @+' ->+' +--'B +,G' SKKK) : ' ! '
9 Z ?&& ! > ' ! 0 S Z B@'*@ @,,@C' @+' @>+' - ?@'
+C G ' - ' JC@++G' A@SJ@A @' EC-- B@') OK<Q %' ' 3
$') %0 $ ' = 0 O(OPN B@' D@'B A.' E@@A' +> @DZ AD'
A@S+' T @+' ->+' ' +B@'A@S+' +@J' A'+B@'JC- @ ' - ' ? A> +>C A.'
>JJ@C',@ +B@C' ' +B +' - ' B +@A A.
+'E ' -' @+' A' C@, @Z @+' - Z 1 0
> ! !' 5 ' - - 1 0 % '<$,& ' ' Z > ,' @+'
->+' . - - DZ ' C' 'E, U'D- -+B' B +@' SMSS ,&' ' $ ' ' G'
$ 0 OOO' B@' O -DG DC@ +' J' A'E, U' @,>@+' B B' @++'
->+' +B@'J ,@A@' - ' +B@' B AD@' AD' @' OMPK
$* , ' =K .B+' AD' !B D- ' -C CDZ @+' ->+' AG'& A+Y
A.' ->+ CD
- ' -'@SJ- @' 1 0
4!Q< N3!# ' $! ' > ' ' 0 - 0 SS ' =N= O B +' ->C'
, @' @@?@+B'+-'EG' @+' ->+'+-' ! +E A'^-C .' 5*& '$' $ $'](
OMSO 7 ' 5*& (@+' ->+Z J>+' -C', G@D'-J@A'+- '
D ' -' - ? J AG' -C@ -C+' -A' +B@' G ' $!0
!> ' 5 (o ' $ "=HN + "'C- @' AD' @+' -A': -BA' ->+'
+- CD ' +B@' - ,J + ' OKNL ' ') - 1! 0 ?$!!0 PQ
1->A.' ! > G'B ,' -A @A+A.' -' @+' ?@' ->+' '? ,@' -" .@ +@
' i'@ ' -' +' ->+' 8 ' B JZ ,@@+(' -C ' -G .@'
+-'@ I> J' -C' A'@SJ@D + -A'+-' @AD' ->+' 8 -C @ (Z +'
->+'g A'@SJ@D + -A(' 1 0
$'OOOO 0 0 &' 0 8 >D' 3 ! (A' ;N=QZ 3 A' @++@' >+'
S' , + ? AA' J ' OPLQ A' !0 C! $' (- $! "'
8OK<Q('LO A-+B@C' B JJ@' - ' A@ >CA B@D' ? AA@D'
AD' , +> ,GD' AD' @++' ->+' +B@' @ 'EG' 7 ,+@C'$,@ .B@'
59&8' ' .B '+C' $! $'&>' ,& 0 ON :'UA- 'A-+' B@+B@C'
+B@' B C.@'- '+B +' - .@' +B@ C ' -C +B@' U A. ' O>+' EG'
B- ?' -@>@C' +' ' @+' ->+'^@+ a' OMNL' : ' 0) .
8;MLK(QKL' '$ 0 B@' %BC + A' &C A @ ' @+' ->+' ' ,@@+ -C'
+B@' C@ ->@CG' - ' C J-,' OMNP 8' -)' ;=N0 B@'
% + X@A '- ' -AD-A' @+' ->+' PNN ->,D @C ' A+-' C@, ADZ +B'
+B@ C' >CA +>C@Z $'OM=O B . 7'<&1!' ' ' '7U ';KQ= '
4 ' 7 BG'D-@ 'A-+' +B@A' +B@' @ +@' !@+' ->+' ' ?@ -C @ Z AD'
B JJC@ ' +B@? ' OQNQ ' " $ - $,$' X %BC +-JB@C'
%-,>?E> ' C +' -, +@D'+B@'U A.'-'&-C+>. ,'+-' @+'B ?'->+'
$'OQSP B ' 2 ' ' - '8OQO=(Z LOL' B@' ,@@+' ->,D' A-+'
E@' @+' ->+' +B +' G@ C
4 * + -'@ I> J' -C' >CA B' 2 0
P @ ' 5 C ' +CZ , &!$">' &"0 ' ' ; ;=' !@+' ->+'
AD' ?CA B@D' +B'E- @' AD' CC- @' OQOP' $ - (0 ' '
<&& (E)' @+' ->+' CC- ' +B' +'5@ +B@C
i'8 (' #'DC@ e' -C' . - A.' - ' 1 0
$% >' = 7 ' < 0 0 'W' Z *' @+' ->+' '%B ,D' +A'
-CD@C'+-' .-' EC- DZ $1 !! ') ' ' '%$' '*&) ' & ! 0
i'8 (-'J-+'->+' 8 'E- +(' 1 0
SM)'+C' $ ' ' &"0 C 01 '' A' ,0 0 $ ' &"0
'; OK B@G' @+' ->+'+-'C@' -A. E- + ' +@C'+B@'7 B ,@
l ' 7 +B' ? ? +@C ,'-E* ' -@ > @+-'.-' -C+BZ
@AD' -C+B ' +-' . @' >CC@A G'-C' - . >@'+-' ' +-' >@Z
JC-?>,. +@' 1 (
,'O4NN 0 T' &' 0 8 3 ! ' / (A' ;NPOZ \' @++-A' +@ A'>+'+-'
>AD@A@' \' ?' A' E@ D' (V' -, @' "D@C' >+' - @C' @ ,A@' B)>@'
A-CD@AD@' P=O 6E 6' $ - 0 *&* 0 $O> K@JU JB @'
C@ A-+' @+' ->+' + , @+' +B@' J C+@ ' E@@' D@ @)@D' OP=K A'
& &2' &,0 ,0 8OK=( )' B ' -A @ JA' ' GC +@'
CG++@A' AD' @+' ->+'EG'+B@'? ? +@C -' +B@' B>C B@' AD' -A'
.C@ . -A' - ' ! @>@C, AD' OPMN $!0 ') 1' ,0 'O;M
C D+ -A@' - '? @A' @++'- +'+-'+B C,@'+B@' -A @A @' - ' -DD W
J@-J,@' OMKQ B l ' &' ' 0 ' *!"' &' $!!$ 'KL' B@'
C+ ,@' - ' ->C $@, . -A' 7 @C@' ,AZ AD' @+' ->+'EG'
>+B-C +GZ 'OQNN 3 . ' $ "'OL'&@ ';M<LZ B@'& CY
, ?@A+Z @++ A.'->+' 'JC-D ? ++-A'JC) E + A.'+E@ >CC@A G'
- 'B ,' C- A Z $'OQOP 8 ' 2 ' ' - '8;QO=(' PNN
B@' 9 A.' @+' ->+' B'-@ , C>+ -A' -C' + G A.'B 'J) J,@
.2' 'E' &' ' 8=Z' H' &$ T(+-' CG'
/ $ 1 ( )) $ ')*(%b]' $.
> !#'+C' $!& $ 'A' $ 1 , . > ' ? .0 & '8)K+(,+-K' !@+'
>+'+BG'+EC-+@'\' CG' ;MNO = ' ' ('?!) ' ' (B->,D'
>+' G->C' +EC- +@'EB +' 'UA- 'G->' ->,D' @+' ->+'
+BC- +@' SMS-' O ' J ' !, (0 Z " ' ' ' ' ,?@+@DZ
AD'A- 'B@' @+' ' ->+' +B@'+BC-+@' OMOO ' ' +C' ! - $ ' '
<) 0 - $ ' ' ! %(' OML' !B@' +B@C-@'J-A' E@. A' +' @+' ->+' -'
,->D' '+BC- +Z ' ' 8, U@' J .(' ;'B D'- @C@D'+-' + U@'B@C'
i'B ' -'@SB E +' 8 'J, G(' -A'+B@' + .@' +-'@SB E +'
8J>E, ' . ? @ (' A1 0
A/&+' . 7 ' ,&!$) '&C- ' O *'E' B +' ?@' G,,' @'
A- @' @++@' >+' E@ -C@'G->' 8 +B'J@C -A .@ (A' ->C' J, G'
A l / ' 1 ' $)) ' ' & - *$ (- ' @++@' -A' ' G@' J ,@ '
+B' .C@ +' B C.@ ' A/>0 < ' ' 0 1) ' 8 C+V(O<
$ - ? >,> ' @+' ->+' J, G@' +-' . +B@C'+B@' G @' -?@A'+-..+B@C'
SM--' ' .)' "'SS +A'MLP 'D@ C@@' ' .C >A+@DZ+B +'
% ' " - + , > ' +B@'&C@+-> C' B->,D' - Z AD' @+' >+'+B@' . ? @'
AD' J, G@' ' - ' J- ,, - '
i' ' -'J>+' A+-'JC A+Z J>E, B' 8 ' , +@C CG' -CU('
> "' = 6 C' ? &' "- 0 &C@ ' '*' B ' C+@' ' CG+@A'
A'->C' /+>+ B'+>A.' AD' C +' @+' ->+'EG'B ?' XOPMK 2'
,,&! - 0 ' 7U '8 ")(OKP 7 B B'E--U@' 'B >@' A' C +GA.Z
AD' 'A-+'G@+' @+' ->+' A' JC A+' OMSO ' : 2 (' A' 0
- ' '$ 0 ' 8;K=K(' :0;=Z 'B@ C'- ' - ?@' @X @' @C@'
->+' -C' . @A'+' - ?@' @ +-A'+-'J>E, ,G' -@ .
+ ' -'D@ , C@Z JC- , ?Z B- -C+B 'C@ @ ,' 1 0
' ;P=N F$/>JO'AOJ5A B + Z+B@'D@ , C + -A' AD'
@++ A.' ->+' - 'B ' -CD@' ;P=Q 1 6 .)' A' & - ! (
0 - $. ' ' +'E'"'@' '+B@' -DZ B B@' @++@+B' ->+'
B ' B + +@' AD' @S @ DGA.' ,->@'+- CD' ' OPMP 1 '
$)) ' ' E&0 -'@?J,-G@'B ' +>D @'+-' @+' ->+' -A@'
JC G @' OPKL 0 ' ? * 0 ' & 'M=M $-E@C+' 3@, @A@' - '
% CA@E @Z B +' +B' +B +'E B-J' @+' E->+Z -' @++'B '
@ AG@ +' , @++' -A' ' OM=K < 7 ' ' 0 8' ' B->,D'
A-+' @+' ->+' +-' +B@' J>E, U' @ ' +B@' -C+B' - 'B@C J@-J,@'
OMMP = ' '<&) ' &2' 0 $ 'P=P ' AG' ?-C@'
@? A@A+' ? ++@C' - ' ,->CDC'&-, G'B JJ@AZ+B@C@D' . @A''
C'- -A +-' @+' ->+' +B@' >+B-C ' -C A @A+-C ' +B@C@-
' = ' $ '0LL' B@A' ,'+B ' A+ BC' +'EG'
'J>E, U' C + A.'E@'@SB E + @D' -C' @+' ->+'+-'+B@' -C,D' A'B '
-,->C
i'C ' C+C -@' D AA ' %+

OMOK ' : ' & , ' = ' B@' -CD'$ (D-+B' @+' ->+' +B@'
.@A@C ,' A +>C@' - ' -. U' OML; ') '%= >) ' &2 'HH0
e'!L'OK=' B@' -CD' B@C@EG'+B@' A.@, +' @++@+B' ->+' -AY
@A+' A'JC G@C' OMK=' " ' = ' 0 0 =;' B@' 9 A. ' - '+B@'
C+B ,, A.'+-' +B@' $- U ' AD' 3 ->A+ A @+' ' ->+' +B@'
@ C' - +B- @' .C@ +' 3@A
n q n Q' *'D J, G' 8 C@ (-C ,@
OL ' V 0' ! (QNQQ ' +B@G.B' +B@' ? C B >A+' @++@' ->+' B '
C@Z A' +B@' +C@+' ' OPLN O (C 'Q;P S' B ' @,- @'B +B' @+'
->+'E ' ? C@E ADG @'+-' +B@' B@ @' SM S' ! $' &' ' (
+-' @+' ->+' A+-' +B@' @G@ +@' +B A. ' L%L>K = 5C A'
' ;<K ,' @C+>@'E@ - ?@' ,@ @' JC X@D' A'+B@?Z B-' @+' +B@?'
->+' +-' ,@' ' ;KO< 5$- ' ' LQN S !B-J U@@J@C' @+' ->+'
+B@ C' . - -D ' -C'+B@' J>CJ- @' - ' ++C + A.'+-' . X@
+SA ' -'D J, G' +-' D A+ .@Z J>+' -C CD' +-'
++C +' ++@A+ -AZ ? U@' ++C + @' 1 0
OPKM 'O' $'C - $) 0 0 ,$ (Z JZ / @D Z !@@ A.'
+B@G' C@' @+' -A'+-'@D @'-+B@C)' AD'A -+'+-' @+' ->+'+B@? @, @ '
OMNP :2 !!' &&!' ' ' ;<P ' -C G->C' ? -+B@CZ B@@'
' ->,D' @+' ->+' +B@C +' ,@' +B' ' . -D .C @' ' AG' B@D Z
5,-C@A @' OM;< 7 ' 7 " 1 9' Q * b' 8;MOO(;NO "@@'
+B +' J+' + -' @+' ->+' B ? @ @Z AD' AA-+' EC- -U@' A-+B@C'
+B +' . -@+B' A-+' ' CC@' 'B ? @ @' +B +' A'D-@' +B->'
> J@ +Z AD' C- ?'B 'E@'+B->'@ @C>@D' OM=M ' 6
C) (*0 ' ' ,'3 B-?@+' B@A'E@@' @+' ->+'+B@' @, +@'
- 'B 'B@ @AZ EG ' +B@'D@, .B+' - ' @A @
i'4* +' -'@S+-,Z T C U> J 1 0
$% >' = 7 ' < 0 0 0 ' ' Z -' @+' -A@' ->+Z -C J@ U'
? > B'+-'B '&C @' A%OJ ') ' ") '$! / @D' A' 0
8;<NN('MK B@' -,->C' A-'C , B C -+@@C a' +B@? @, @'
@C@'E>+' ' A G' E>+' B@A' -A @ ' ? A'B D' + U@A' J A' +-'
@+' ->+' +B- @' - 'B ' J C+GZ AD' B D' E@@A' +' +B@' +C->E,@' -'
JC- >C A.' - @' -C +B@?Z +B@' @' ' ,+@C@D' A>/&
) ' < $' ' & ' ' L< " - 'B @'G->' @C C +@D'
?G'?@C+ ' Z B->,D G->'A-+ 'B @'UA- A' -?@+B A.' - ' ?G'
? ? D'E@ -C@G->'B D' @+' ? @'->+'+B>
'A ' -'@?E@,, BZ D-CAZ D@ U' ->+Z +C U' ->+'
, - ' %!0 1 0
A/JJ . '<$!0 $) ' ! =OO #'A-E,@'%B > @CZ B-'
J>, BGD'@,-!>@A @'%>C@' A.,G B@C>D@' -' C@ B@,G'B +B'
@+' ->+' OPOMC! 0'C (8 7'D@' 7 ';PL;(K= -+' @+' ->+'
+B' GC@' \' GA@' ,-+B@Z 1 ' - &'0PM B@
E@,,@C'+-' @+' ->+'B ' & I>, Z C U@+B' ,,'+B A. ' OMOO
? ' ' $ 0 !0 ' ' 'PQO -,D' AD'JC@+ ->' +-A@'
D-@' -AD@ @AD'+-' @+' ->+'+B@C B--@ ' OMMO : ' 3 '+C'
!$) T' &"0 - 1(ONP B@G' @+' ->+'+B@C / ->C @' +B'
,,' -C+'-'5 E,@ Z $'OQN=' 8 ' &'' &, ' ' 7U '
;Q; 4' ' ;PQ B@G'E@ +- Z '?>B' ?@' AD'& A' A'+B@'
C+' - ' / ?> , + -AZ '+B@G'D-'A' @++ A.' ->+' +B@C'5 @'
OQS=' 2 ' 331 ' $ "'8;KMP(LM B@C@' B@' Z @+' ->+'
A' ,,'B@C' ' OQ=Q = 'd #E ' &&. " ' S'K< +' ' . - -D'
+B' A@. CZ AD' A@' / B' +-' @+' ->+' ' -,D' E,@
- ' -'J>+' ->+' +' A+@C@ +' 1 0
> 'A' (1& 0 8!>C+@@ ('K ,' > B' . - -D@' B ,,'
E@' @++' - +@'+-'+B@'> @' AD'JC- @++' - ': -BA' 3 @C A.Z $-E@C+'
3 @C A.' (<' B-,@' 3 @C A.' OMS=' ' &' ' '
8;M;P(LM >@CG' ? A' A' ,,'B ?' A' >C@C +B +' @++@+B'
->+'B ' ? -A@G' ;MQQ ' ' ' 0 - * & (## ,,' > B'
2 D C@'A-+' "'->+' 8 ' C 3 -A@G ' +' A+@C@ +
'J ' -'J>+' 8 ' B ,D('->+'+-'A>C @Z +-' J, @' ->+'
+B' ' ? +@C -C' +' B--,' 1(
!WK C '<!$ '<& 0 ' '7 U ' <;N:: M= :' +B AU@'
A-'?@A' B ,DC@A' C@'*6E=' @+' ->+' OM=L'? ' : ' & - - 0 < '(
SS 'Q '+B@' E ,D@' 1 E=*'E@' @+' ->+Z ,@+' '?*'A>C@' ,--U@D'
+@C' %4MQN 5 ' %' 4 0 0 0 + ' ' OLN ! -?+ ?@' B@'
->,D'+@,,'B ?' *6 (*' B@' ->,D'=-*'B ?'->+'+-' A' ++-CA@G'-C'
-, " +-C' OQO< 5 (o ' $ "'8;KMM(MS - D G' @+' -A'
"@ACG'VE*'+-' B--,' +-' 3C ' EB'
+' ' -' @+' J C+%& ' @C+ A'+C@ +?@A+' 1(
1]' 0 - &' ' ' ' PQ'7 B-?'G->'G->C' @,>@'B ,,'
@+' ->+' -C'C@JC--@' A%JJ 1' ((' $ 5 ([@@E'S'
= B> ' +B' +B@' -CDZ ?G' -DZ G@+' ? -A. +' +B@ @' : @ Z
B B' 'B @' *> +,G' @+' ->+' -C +B ' , > .B+@CZ +B@C@'
- U@' # ' ? A@Z B-? 'B @'D>@' C@'-
*+' -'J>+' D@'8 ' +@A+B' J C+(' +-'C@ @C @'
++B@' 1(8% ' %& (;=' Z (
;P=K , 'O L' 2 0 (;L'e O @CG@' - '+B@' 9 A.@'
>!*@ +@' B ,,Z D@ D@' @++' ->+'G@,D@' ADJ G@ ,,'? AA@C' -
+B@ C'JC@D ,,'+G,B@ ' A'+B@ CJC-J@C UGAD@' S ' 7 ' F
: 'C$ &'>'<) ' B@' - ? ? - A' ->C @' - ' @++ A. ' ->+'
AD'D@, @C A.'%-CA'EG'+B@' %- ? ? -A' Z ' EG'+B@'+@A+B'
!B- UZ%- UZ-C'!B@' OQSN O ' 8$' ' A' ;MN
3 @A' @C@' -C @D'+-' @+'+B@' +B@ 'D>,G'->Z AD'J G'+B@'
>,,G' OQLM < ' !0 $ ' M<Q ;' AD'A-' F> U@C' B ,,
+@C > B' -+ @Z AD' 3 -C@'+B@' @++ A.' ->+Z -C' +B@C'
G+B@' B ,,'E@' -' @+' ->+Z +BDC '-C+ U@' GZ -C' > @'
+-'E@' +BDC A'-C'+ U@A' G'+B@' D G B@' OQMK $ '
& %B%%%> " ') %% ' L' "@'. @'B ?'A-+ +B@' ?@CG'+ '+B@'
@++ A.'->+ -'B ' G+EG@
i'C ' -' ,@+' -C ,@ @' ->+' 1 0
OMS=' ' &' ' 8;M;P(LQ B@' AD -CD ' +B +'
DJ@' @+' ->+'+B@'C ,> A. ' +'+B- ' @B 3C' ,@' ' OMSQ =
' 0 ; M' ! - ?@ E-G,@'A-+'B@ ! ,+' A'+B@ C- A@'A ?@E>+' @+'
+' ->+'+-' -+B@C' OM<L' ' 0 'S '8@D'O(;LP' @++ A.'
->+' - ' AD Z -C @++ A.' ->+'-' " - > @
K ' -'@SB E +'.C JB ,,G'8+))(' +-' J>+'
D- A' -A' J J@C' A' @SJC@ ' -C'D@+ ,@D' -C?' +-'
D@ C E@' -C'@A>?@C +@'@SJC@ ,G' + -'D@+ ,
OPMN 8 '+C' ! $' ; ' & - - 0 ;PK O@ -C@' >+B@C'E--U@'
' ' @++@' +@' >@C' A%'< 6 ' &'(' ;L' B@C@'
G@' B ,,' @@' + ^J ,, > ?a' @+' ->+' A' B+@' +B' ' .C@ +' ? AG'
-'E, U@' C- @' J-A' +
> # ' ' &5&* 0 8 E(=L' B@'-+B@C'%@C-a' @++@B'
->+@'A-'J-GA+@' - 'CB@+-C,U@Z -' > ,, @ A' ,,'E 'E--U@Z '
^@+ a' OPKP '9 7 ' ' &!$">' &"0 ? ' S'K= B@'
@CG' ?@'J C+@'EG' B-?'+B@' ,@' .>C@'E@ -C@' @+' >+'
? D@' 1 0 'SS S' ;PNEZ B@'J, @ '?-+A-+ E,@Z
AD'+B +'D-@'?@+@'+-'+B@'EG' @+' ->+' A%A$. 7' 1$ ' &0
& ' ;N<'1 +' B->,D' @++'->+'+B@? ? ++@C' -CD@C,G
A%/ ' <B , ' 0 ' @C @',=' S ' L;=' B@'
%BC + A ' .@++ A.' +-'B@ @AZ ' @+' ->+' 'E> A@ @'- ' -'
?> B'D >,+G' OM<L' ' " 2 ' $!'5(8;M<Q(O== B@'
&-@+ ' / @ .A' A' A'+B ' A@! +GCZ '+-'C@JC@ @A+'B@ C->+'
7 B@'AD'/@ C@'-' 3 AU AD' AD'+-' @+' ->+'+B@'5-,,G'-'
'@?' QQQP 5 B . ' ' & 0 $;C ,) '8@D'O(;OM
Z > ,'@ - +B@'
"

[illegible]

[illegible]

[illegible]

J' B ' J- @C EG' +B@' +@C' >JBC +@ ' ;P=<'
C! , '8 CE (LN " ' - @' '+-' B AD@C' C@, . -A2Z +-' @+'
J' D-, +C @' Hd%' ' A' - 9Z ' " PN -' J,> U@'
' 9 A.D-?@' D- A@Z AD' @' A-+B@C' J' ;M=N ,! '
$ 0' $) 'L' " @' @A+' E->+' +-' >E @C+' $@, . -AZ AD' +-' @'
@+' >J' & J + Z AD' >J@C ++-A') ;QSN' B ' -

[illegible]

;=L;' & ' "' '? (LL' J +' B>C' E-- +' E A@' >' B C.@'
+B +' +B@G' ECGA.' ,' B>C' G @A@' A +-' +B@' ? CU@++Z +B->+'
+B@G' @++' >J' AG' B@' A' AG'-+B>C' G B@C' B-> @ ' $/J+'

[illegible]

$% >' = 7 '< 0' 0' 'A' -' @+' >J' -C' ' $@ -C?@C'
4M<0' $' X C ' $1! '6 ' '!B ,' G' 3 A +B +'
7 ,, >,,G2 JC- >C@ '+B@'%>++ A.' - ' B-,@' C? @ '+-'& @ @ Z

[illegible]

' >,J+>C@D' .C->J' - ' .>C@ ' 4 +' ' J +>C@' -C' D@ .A' - ? J- @D' - ' C@ -CU ' @+ J- +2' @ + J- +2' 4$+' $!0' ' S@D' >,DC-A' -C' E- ,@C' > @D' -C' B@ + A.' +@C' -C' D- ? @ + ' J>CJ- @ ' 8 (' ' -JJ@C' J A2' B@ +@D' EG' ' J@ ,' ,>@2' > @D' A' ? U A.' CA B2' AD' -C' B@ + A.' - ,2' X@2' @+ ' i' @+ J> ,,' ? !!3' ' ' (+B@' J- + -A' - ' E@,,' B@A' C @D' -' +B +' +' + AD ' ? ->+B' 6 J CD ' @+ @A@2' A' JJ C +> ' E> ,+' >J' AD' J, @D' A' J- + -A' >J-A' ' +B@ +C ' + .@' E@ -C@' +B@' C @' - ' +B@' >C+ A' ' -,,@ + -A' - ' D@' @A@ 2' T U @ '2' @+ ' D@J@AD A.' >J-A' -A@' A-+B@C' -C' ' J C+ >, C' @ @ +' -' ' , ' " ' @+' -D2' '+>C ' > @D' A' E> ,D A.' >J' ' E AU - ' ' D + B' A' +B@' -J@C + -A' - ' +@C + E, A.' @+' I> C@2' 4$+' ' J, +@' - ' 7 -- D2' ? @+ ,2' @+ ' A' +B@ -C?' - ' C .B+' A.,@D' +C A.,@2' +B@' >+@' A.,@ ' E@ A.' @ +B@C' M-R' AD' LNR' -C' E-+B' =PR2' > @D' EG' DC >.B+ ?@A' ' ' .> D@' -C' DC A.', A@ ' +' -A@' - ' +B@ @' A.,@' ' 8D(' ' -C?' - ' I> C@' +B' A' DD + -A ,' C?' +>CA A.' -A' ' J -+2' -C' DC A.', A@ ' +' S@D' A.,@ '+-' +B@' B@ D' 8+(' '*- A@C' ' I> C@' ' @+ + + B@D' 2' - ' T @+ -CU" @? EC- D@CG' !@@' , -' "8

$ J+' < ' ' 1 ' 5 0' 8;K=O('O<O B ' +' - ' B- @' E @A@ ' AD' @+ J C+' A I> +G' X!)']') ' ! (' SS ' 'OK ,'B @' >AU' A+-' ' + +@' - ' , ?@A+ E,@ AD Y @C@A @2' +B@C@' 'A-' E>CA A.' X@ ,' ,@ +' @S @J+' ? -A.' +B@' @+' J C+' $';KPN ' $' 'D' ,! ';;'8;KQ=(OK;' ' A-' @+ D- A' UA@ ' +B +' :' B @' -C' C@' ?G' J A' @+' D- A' ;KK=' B ' ? 1! '&%' - ' ' '*'& (B@' C+' S@D' AD' @+ D- A' --+ +@J ' ;PL=' ,,0' 0' ' $ 0' ,& (0' ;KP' -' E@' A@' @+' A' A@U' +- A@' @,>@+' ,-J' S& ' 3 7 ' " ' ! 0' 8;KQL(:')' @+ A' C A' ?@ -A' ;KQP' : 7 ' 0' .0' ;PL= O 3'& (? C. A , -C' @+ A' A-+@ 2' $';QKO' - B ' ' =P=' #A@' ? G' @+' @+ - ' B ?E@C' ' AD' J C+' - ' 'E-> @' 4KOP# R !' T 3&' (' +@C?' JJ,@D' +-' B +' ' A.@D' -C' ,.B+,G' E>CA@D' A' +B@' J-+' -C' J A' ;KM=A 0' " ' !0' 0' :' =MQ 7 @,,' @+' -A' + ,' AD' @CG' ,-J A.' B->,D@C' ;QSN' ; 'C & 1' LP<' '+B@' J- ? J E@' CCG'D' ->+' - ' JC- J-C+ -A2 +' ' A' ,' @+ ->+' ? E + -A' ;KN<' = . ' < !' ? $ ' ' > '8$+ D. (' KQ B@C@' ' A-' A+' - ' ? .A @A @2' .--D' + +@2' -C+ A' ' @,, D@ .A@D' @+' ->+' + E,@' ' ;MNQ' B@ A@)) @+ >J' - ? Y J AG' 8 @@' (8" '**!0' $0]0' ;KPM# B. ' : 3 7 ' $, !' < $" 'MM' ! @C @' B@C' C .B+] +B@' @+' >J' +B A.' KMQ' $!& ' & 31 .0' ' 2' ! -,D @C 2' ? C A@C 2' AD' ?,, C?' ?@A2' @,,' DC ,,@D2' AD' A +C> +@D' +- 'E@' >JC .B+' AD' -,D @C, U@' A' +B@ C' CC .@2' C@' T' @,,' @+' >J" ' 5N%P ' ," .!(? 0' ''' ;;M ;' ! @+ >J' +GJ@' ' , -' - ?@+ ? @' -J @D' +B>' ' + ! @ + 2' ,&'B0 ! ' 1 0 ^&C- E2' @ - , @D' C- ?' +B@' ? J@C + @' -C' +B@' J 'JJ,@' 8 A' E - ,>+@' -A +C> + -A(' - ' ' 0 A' +B@' @A @')+-' J>+' +B@' @2' T+-' >JJ- @' 8+B +(% ' ' 0] ' -A' +B@' >? J+ -A' +B +' B->.B2' ,+B->.B' , -' +B' 8]' +B +(

@CG' C@ I>@A+' A' +B@' ,' 0' $ ' 0 ' ;LQP' ,0' 0' $ ' 'SS >'= , & +' OM -D' ? D' BG?' +-'C@ +' GA' A' +C >A @2 '+ ,' E-A->CG+' E@2' @+' V C@' ' +C A.@C@' 'B@' $JO+' < 8 ' &' %0' ' L=P' AD' @++' B->' ? GB+@ @ ,> +' ++@ .A@2' # '@ @CG' ,> +' +B@AD@' ' J@ A@2' ,'$&A/' 9 " 5J>M' &' 0' ' &C- ,'LL' AD' @+' + -' aV ' ' . ' ? G' ,,' 3 G' +' ' U@A' ' U A+' V C+' ,' B +' ' DC@D@' C@' B ?@' + ,' - @AD' ' O&>+' ' ' $!!$, 'S ' ;=LO 0, G ?' A- B,' +B@' E>U2' @+' ' E@' AJ@C G+' ' cbRR $' , !& ' << AD' @+' GB->@' ,@J' -A@' @CE ' AD' -A@' +C@ 2 ! B@' B@C ' A-+' +E ' - ' OPSL' B7. ' ' +' &C-,' L;' ! @+' +B- ' +B AU' +B 'B-+' J-C+ ! @+ '+B@' ! +@ ? 2- ' ' A' - ? E 2' B @ ,G' A' E ' D@C @D' C- ?' JBC2' +B' D ' 8 @@' 22' I' 4 (' ' @+ ' -C+ B2' ' @++ A.' -C+B2' D@J C+>C@' @+ A2' +B@' E@. AA A.' - ' J@C -D' - ' + ? @2' J@,,' - ' @ +B@C2' -C' +B@' , U@ ' @+ -A2' +B@' G' A' B B' ' +B A.' ' @+' - A ' @+ >J2' 4$+' A' -E*@ +' @+' >J' -C' >JC .B+2' A' >JC .B+' ' 41+' +B@' ? AA@C' -C' J- + -A' A' B B' ' +B A.' ' @+' >J ' E 0 0(J@C -A ,' E@ C A.' -C' CC .@' ? !! $ (,0(' J- + -A' - ' +B@' E ,, ' 8@ . ' ,@ +' EG' +B@' , +' J, G@C(C- ?' B C+ ' ' @ G' +-' -C@' !@@' , - ' " !' ") 8 !' " !' @+ ' , - ' @@' C2' +B@' @ -AD' - +' A' J, +@C A.' @+ B AD 2' JJ, @D' +-' D@ @' -AA@ +@D' +B' @++ A.' +B@' B AD ' - ' + B' -C' , - U;' A' A ?@' - ' D@ @' -C' D*> +2' A.' -C' B J A.2' @+ E- ,+2' B ? ? @C2' C@ 2' +>D' 8 @@' I>-+ (' !@@' , -' 1 OMOQ 1 ' $ - $ ' ' < $ - 0' 'P' !@+' E- ,+' ' -C -C A.' +B@' -CU@' AD' J, AU@' '+- .@+B@C' O<QN =' ' B ' < & 0 (8;KNL(:' [;P 0 U A. ' ->+' ' O- ,+2' -C C@A ,2' 'DC A.' + ->+' EG' ? @ A' - ' +- ,' ,@D' ' !@+ E-,+' OKQP : 7 ' (, 0(' 1&!(0$0' #A@' > @D' ' DC +2' +-' -C @' A-+B@C' E-,+' ->+' - ' + ' B-,@' 10 ' E-,+' > @D' +-' EC A.' 'J, AU' +-' ' + ' E@ C A. ' OK;O' (, ' ' 0 5 ,0' L:O =C!$ ' +(!@+' 5 C2' ' > @D' +@C C- >.B A. A' AD' ,- +@D' -C' JC U@D' >J' AD' ,- +@D' +' B->,D' E@' @,,' +C- @,@D' OKO< B ' A' & 0' $ (? - ! '8;KK;(;QQ 7 B@ +B@C' +B@' A@S+' @+ -C+B' C- ?' +B@' -> @E@' -C' ? CC .@2 -C' >A@C ,' OKPP - ? ' ' , ' &!0' (' =PM T 3 $ - - ' 8 'B ? ? @C> @D' A' -C. A.' ' @+ - (OKKL' ' ' - "=' & ' O< B@)' T @+ B ? ?@C' ' @?J,-G@D' EG' E + A.' B@,D' . A +' ' @C+ A' J-C+ -A' - ' +B@' B@ +@D' C-A' AD' + ' +- J' +C> U' 7 +B' +B@' B ? ?@C' OKK= 5 ' : ' ' $, ' ' ' !&,. - 0=N !@+ B AD ' CE-C +B@' CE-C' A' ' +BC@@ I> C+@C' J, +@' U@GY AD A.' + B' EG' B B' +B@ B AD' +@' @+' 1 0(!@+ B BD' / ' 1 0(!@+ B AD' !I> C@' OKKP %' ' 7' ' & . &*' ,(!@C' ' LLQ ;' B@' @+ B AD' +>D' OKOL')%' &' !"' ' $ 04 'OQN 'C@.>, C' @+' A' - ' C E A' AD' 'B CD,G' +-' E@' @SJ@ +@D)'S @ -' 7' ' . . 1' 0' ' $ ' LL;' +' @+ A' - 'D G' OKPO A' %-,' " U@C' $ "' 8;K<L(: : ' L=' 'C@.>, C' @+' A' - ' @+ @ +B@C' +' , ' OK=O 7 '%' ' = ' B ' =K O' B@' @+ -A' - ' +B@' + ,' JC- ? A@A+2' AD' D@+C + ' C- ?' +B@ C' JJ@ C A @' OKK= ' & , ' " @C ' ;P >. ' ;P= O' A' &>JJ @ ' +B@' AA@C2' ,, ' G'+- -' ?> B' C- ?' ,- A' + -' A' - ' +' , OKPP - ' ? ! ' ' ' ! 0 ' =PM !@+ ! C@ 2' D*> + A.' C@ 2' $@.>, + A.' ' C@' SKM' - ' & ' ' ;ON !@+' C@ 2 AD' ,,' U AD' - ' ? ,' -CU2' C@' JC-D> @D' @+' +B@' ? @' C +@' ;KPW - ? I>' , ' &!0' 0' =PM 31&! (T 3) ' 8 ' E-,+' C@ @D' A+-' +B@' + -' J @ @' + -') '*- A@D2' AD' +@A@D' - ' +-' JC @A+' +B@' J, G' - ' +B@' J @ @ (' OK=;') 0' ' ' 0 M' , 0' ' " ' 10' 'OM= ;' B@' @+ >J' - A' +B@' , +' B' +B@' , A@' S@D' OK=O <) ' & ' $ (?$. ' !@+ >J' T C@' ->C' D@D' - E,-A.' J @ @ ' E@@ B' - JC-J@C' ? ?@A -A ' B@C' C@' J, @D' -A' C +B' D@ 2' +B@' E U2' AD' A' +B@' C-A+' - ' +B@' - @A2' +-' U@@J' +B@' , - @' A' +B@ C' J, @ ') OKQP : 7 ' (, 0(' b 2 +B@' +@ ? C ?' > @D' A' +B@' I>@@X@C' B B' -J@C +@ ' -A' +B@' ,->J' -C' E ,,' - ' C-A' C- ?' +B@' J>DD, A.' >CA @' B@' + -A' 'J' >J' @+ ' -C' -AD@A @' ,-A. +>D A ,,@' +B@' E,--? ' OK<N ' %' 8 6) ' (% ' O=Q 8%@A+ (2' B@G' ^ A., B' -,D @C a' B @' ' @+ >J' A-+' +-' E@' ->AD' A' AG' - ' +B@' -,D @C ' - ' +B@' %-A+ A@A+ , C? @ ' OK<P) ' ' 8 ' 1 (4 4 ' MM ;2 ' ' ->AD' A' @ G' @+ >J' AD' J- U@+@D' +@@A' +C .B+ ' ! @+ ' 8 C+ (' & ' @+ ' 8 &+ (' ^ ' $($ $' EC +,@ a & 0' + B C' -C' EC +,@ , U@' E-DG' , -' +B@' + ,U' B B' >JJ-C+' +B@' +B@ ' -C' J >,@' - ' ? - @' >!" ' ' = ' $' 0' ? & 0($(' OC +,@)' ' +C-A. 2' + 2 C->AD B' B C' - C+' - J>E@ @A @] AA@> ' , - ' J>+ ' +' -C' +B@' J@' - ' +B@' J >,@' A' 3- @' ' OKLN)" O ' $ 0' " 0' ? 0' LON ,5' ^- ' ? - @ a2' B-,,- ' >CA , U@

@ ' @ +@D' >J-A' ' @+)' -C' + ,U' OKLO] ' ' & 0' ? & 0' ' "' ;N=' 7 B@A' +B@' $ $' JC- @@D' C- ?' +B@' @CG' J@S' - ' +B@' EC +@ @2 AD' A-+' C- ?' Q 8' +2 +' 'D@A- ? A +@' A' +B@' C +Y A. ' - ' & , -+' ' $0' ;KQN' ') 0' !& $' O;< @ @' - @C@D +B' ,-A.' @S>-> ' ++@C@D B C ' -C' @+ ' +B' E>,E-> 'E @ / ' >N&&!(' EC +,@' ' EC +,@ , U@' JJ@AD .@' ' K -' ' 0' ' , " ,!0' 8;KLN(2' =LO - * 0 !>J@C -C' A+@AA @2 +B->+' ' @+ ' ' +' +B@' E @' - ' +B@' , +' *- A+' SK M JC-,@.' OKPK 7 ' ' +C' $' ' & ' >'N&& ' PPL' <"*$) 0 "@ D' ,- @,G' J,> ? @D2' E@ CD@D' +B' C) D' @+ @' >AD@C +B@' E , OKK; KO 3 . . ' : ' $'0' %) & $' ' QQ<) -E, I>@C- ' - ' @A+C ,' @+ @2' +BC@@' >>D +2' E>+' A-' A , @+ @ +' -*(D->' 1 ($ 0 , -' @++- - @' ^ D' ? -D ' !P, 3) - ' @+- 2 A@>+' - ') M @@' R B ' F G' OMPM) 7. ' C $, (' C " , ' + =' !@+ @ ' C@' JC A J,@' . -- D2' JJ,G@D' +-' +B@' @ U' 1 (;PP "@' @+' ' !@++ @' E@+ @@A' +B@' C +' AD' +B CD' ! J-AD ' -*(. - i 6 @D' ' - ? E A A.' -C?' - ' A@S+' OKO<< ; o' ' ," ,!0' C!$' ' ;N=' $ &3 & $ (B A.' 'E@)' +B')B@' .>C@' - ' 'EC +,@' OKLL' ' A' - >' " 0' !& $ ' ' ; LO' @ @' C- ?' 'EC- D' E @' @+ @-) J,' , CG' JC@ D A.' -A' ,,' D@' @S>- @ -*(D-7E= 8) : - (2 $0 , -' < &' 0 @+ ' +@ -> ' ^2' ? -D ' 3) (' ' 2' $' EC +,@' @@' % #6! : ' " A.' +B@' -C?' -C' B C +@C' - ' ' EC +,@' %B @ ,G' A' @A+ ' > @' = ' $ 0(N&&!0(? & 0+(- ' +B@' A +>C@' - ' @+ ' -C' @+? A%%& ' ' = ' " 0' D0' OQL' B@ @' @+ @-> ' JC U,@ ' ' ;Q;L' ' ' C " 03 . & ' ' , ' =OQ B@' & C@A+ A @ +' +B' + ' + ' @+ @-> ' ,2 +@C@EC +@ ' +B@' $ E'M ' +B@' @ OQM< ? 0' N&&!0 : : ' ;MK' B@' ++- C-> . A\ B@ +@@+B' ,@) @C2 ,? - +' @+ @-> ' ;Q)' 6 ' % 3' 0' <) $' $' L<;' B@' @+ @-> ' B CG' >E + A @' .C- A.' -A' +B@' ->+ @D' - ' +B@' J-D' OK < B) ' ' , " ,!0' C!$' ' ;< " ' , $' ' ' $ ' 000 @+ @-> ' OKLP ' . ' A' & >' " ,!0 ' $ 0 ' =Q= S B@' + ' AD +B@' @ , 2 A' B B' A ? ,' +B@' ,-A.' @, + ' @+ @-> ' B U@C' C@' -'> @Y >,' ' @@,@C ' ;KKO =' ' ? 0' $ 0' ! ' :' A+' B ,,> ' @CG' +B U2 @+ @-> / ' 5>CA B@D' -C' - @C@D' +B' @+ @' -C' EC +,@ 2' EC +,G $, &) ' 1 5.$ $, ' E--U A ?@' -C' +B@' ? -+B' &,) $' ') - ' FA +J ' 8 ' * &* $' ? 0' AA%' A %0 (8 (? 0 ' L=M(' E 'B&,) !$!"0' OC +,G2' >A B @A OQ)' ' &' ' MM' 3 G' +B@C' EC- D2' @+ @-> ' .@' ,+@CA +@,G' D J, G@D' J@ ? @A ' - ' ,,' +B@' C ->' ' -,->C "@A @' !@+) -@-> ,G' $ 0 OKOO 7 ' $2 T' ' !& $' T - 0 ' O= B@' @C' @+ +>C@ ' -C' , ++,@' +@@+B' E@ A.' - ?@+ ? @ ' -A,G' @+ @-> ,G' C ?+8 ' ! @+ @-> 2' '0) ' .6' ! @+ ' 8 + ,(2' $ ' ^ ' ' $' EC +,@' i'" . V' ' # ' -C' J@C+ A A.' +-' @+ @' ' +B@' @+ ,' E AD ' - ' ' EC) -J-D' B B' ? G'C>A' ,-A.' +B@' J ,, ,' ? C. A' AD' D@A -+@' +B@' +@' - ' +B@' @+ @' OK<O ') " (8 + A.' 0' $ &' +(! @+ C -> ' 8 +@Z C (2 ,3 ' 0' ^ ' ' $' EC +,@' =' 0 -> a' # ' A+@AA @' AD A.' A' ' A U@D' C +' -C' EC +,@ SK- M ? 8 ' +C' ' ' 0' " 0' $ 0' , ' $SJ,' @C? 2' $ &) (JJ,@D' +-' +B@' A+@AA ' - ' A @ + 2 +' ? @ A 2' +@C? A + A.' A' ' ?J,@ A U@D' EC +,@' A A%' : ' \ ' 1' ' & - &!('S, 'LO= !@+ C -> ' 7 B@A' +B@' A-C' EC +,@ ' A U@D -@ 3(D4D ^2 E, 'JBC' '1$, .(@@' ' ;= ;2a ' 6 0 ' B@D ' +-' JC- .C@ 2 ' C@+ CD + -A' -C' C@+C-)' . C D@' ? - @A @A+2 ' C@, J @2 C@ @C @ $%0&' - . 3 .') (, 'ON @A' B@A' B@' ' E->+' E ' -CU2 E- ' ? AG' @+ E U' D-+B' B@' ? @@+' +B' OKKL' ') " ' $ 0 : > ,G' ;L;' @+2 A' +B@' @' - ' ,,' @+ E U 2 +B@' D+G' @ ' #C,@ A ' +B +' -A @' ' , ? - ' AA> ,,G' ->C .@D2 B 2' A' +B@' + @A+G @ @A' G@ C ' A @' +B@' .C@ +' @J D@ ? 2' !> @C@D' E>+' -A@' ? ,D' AD' +BC@@' @ @C@' @J D@ ? ' OK<' $!" ' 2 'OP' !@J ' O P' #J@C +- C ' C@ -C@' +' +B ' >DD@A' @+ E U2 B@A' +B@' E-- ?' JJ@ C@D' +-' E@' C@ > ? A.' + ' ->C @' -A' ' ->AD@C' E ' UK)' E 'S 3 C ' P = +' ' A- ' @ C@D' +B +' @ + E U' A' +B@' J + @A+' 'JC@ @A+' @ U@A@D' -AD + -A' ? G' C@ >,+' A' -,, J @' 2' / ' 0' 'J, A2 , +' @+ - ' A' ' 7 ,, A %& 9 ' 8 + A.' $! +0' OKKQ , 0' C) 1!0' &,0' 0(3&%%(-C @+ E) U2' -C' - K ' @++ A.' E U' -C' E U CD' ' +BC- A E U' @+' 8- ' +B@' B->,D@C (2' ' E U CD' @+' 8- ' ' .-' , >E(O<NN = ' I ' 9 . 'C$ &' ' & (@+ ' SKK B@' -,D' O@ >' B D' ' ? , + CG' !@+ E U' +-' B ' B->,D@C 2' XJ-' - 0 < $0 ;N ' ' ' B@' A.. @2 ,> B' . @' +B@' ,>E' +B@' A@ @ CG' @+ E U' AD' C@ >,+ A.' ,- + 'E 0 0' '\ 7 ' 10 O' ' A C@ @A+' & + . ' $ 1 ' @+ E U' B A.@ 2' B A.@' -C' @++ A.' E U' AD- B>++@C SKA' B) ' ' " ,!0' ' !0' OM< B@' B A.@' > @D' B->,D' E@') +' C@' ,@D' @+' E U' B A.@ 2 B@A' ' B@D' +-' ? U@ +B@' B>++@C' ' +' - @+' -' +B@' AD- B@A' B>+2 AD' +-' +BC- ' +B@' ? E U ,- @+' -' +B@' ,, B@A' -J@A ! @+- B ,2' @+- B@,8 2' - E ' - C? ' - ' ' ' .' 10 -* <7W 8! +C@ ' ' C E,@ (' E,' JBC' ' &2 ' 0 @@' ' ' ;=L a A.,@' DC @' 8@AD A.' B@C@' +B@' J @A.@C C +' , .B+ (' A' ' @B ,@' J,G A.' -C' B C@' +B@' D Y + A @' - @C@D' EG' > B' ' DC @2 8 b' 5 ' ,&) 0+' 0' A' -JJ-C+>A +G' - ' E@ A.' -A @G@D' - ? @' D + A @' -A' -A' - ' G' EG' J A.' @B ,@' ' T, +' ') QMO' ' ' 0' 0' $$&' ' .> A@ ' -C' ' @+ D- A' C- ?' AG

[illegible]

!   #

C@. CD@D' ' ' @+ - '+-' +B@' D@E+ ' B B' @' A >C' +-' +B@'
A@C A' -+C "+-A' AD' b)A' KMK' c ?,&'0 '
6KQM(L< B@'D@E+ '+A G'E@' ? D@ +-' ' '. @+ -, ' . A +'
@ B' -+B@C'

E ' A' D@C' @A @ ' ' + U J)' A+-' ->A+' - '
- ? @+B A.' ' ' ->A+@CE , A @' +-' ' J C+ ,' - ? Y
J@A + -A' -C' - ? @+B A.' @, @+' ' ->A+@E , A A.'
-C' - ? J@A + A.' - C >A + A @' -C' -A D@C + -A
QQL' 6 V' A' ' ' (T' ;NM O' B@' D@ ' - ' ' @+ - ,'
- ' @C @ ' . A +' - @A @ ')'+C ,)' ;Q)' # 66
(8;KP)('OML' ! - ? @+B A.' 'C@I > C@D' C- ?' G->' ' '
@+' - ' ' . A +' +B@' A' - ' G->C' C@+ C@ ? @A+' $ +O = . '
< !'? $ ' :$ ' 8$+ D. (' ;P)' ' ' @+ - ' . A +' B ' B@AY
J@ U@D' - CD @' B@' . @' ? @' +G'D> + ' $ & '
&- "'$S ' "@C' - A' D@, .B+' 'A-' !@+ - '+-' +B ' ;KM=
$ 'P' - 'PMQ L'g @'?> +' + U@'B@C'@ D@A @' +B' .C@ +'
,,- A,@ ' AD' @+ -

! ( )'8 , -' E3$B%(+' ' C@D> + -A' A' +B@'
+B UA)' - ' ' ,,' E>++C@ ' @+)' +B@' ,-J A.' -C'
, +' JC-*@ + -A' -C' ,@D.@' -C ? @D' B@A' +B@' J-C+ -A'
E- @' 'C@D> @D' A' +B UA@ 'U' # : : ? 1(Q
Q Q / #$ A'C !(GA* * ' 4 4 4 'PP= B@C@' !@+ - , '
8 '->C 3 -A '+@C ?' +(A' +B@' A D@'- '+B@' 7 ,,'@ .B+' A B@'
EC- D' $>KK' ' $ ' ' ? $, ' K;' 3G' / ?' B D'
B +B@C+-' A- J' +B@' 5->AD + -A' O@@A' CCG D'>J' EG' !@+ - '
-A' @ B' ! D@' - ' E->+' @ @A' --+' A' EC@ D+B' ;KOL' & '
(.I 'C $, ?) ! B@' @+ - '+B>' ? D@' ,'
, -' -CD' ' @ >C@' >JJ-C+' +-' +B@' D- -C ' ;K= ' < 8 .
, (,- ' 3d (" 0N> <!& ' !(P(
'?)! ' B@' @+ - 'D D A.' +B@' + .@ ' 8- ' C,G'
A 6 B' E>++C@ ,@ _' C@' .@A@C ,,G' ,-J@D' +' ' @CG' >+@'
A)@' ;KMQ' ' ' (?$ "' 'OP= !@+ - ' ' ->,D'
B @' > @D'D ,- + -A' A' +B@' J A@,, A.

E ' ' ? , C' C@D> + -A' - ' B->,D@C' A' ' ? @+ ,'
E C @+ ' b')
;KLN ' ' , (' ' '<!& 0 ' & ' B0 8*KM- (OO E&B '
+B@' J C+' - ' ' -AA@ + A.' ,- D' +-' B B' +B@' E> U@+' C-D' '
++)@D' $ &%' ' . U 1 6I ') ' ' ' 'KO;' B@' @'
@D.@' D@' ' J+ A)G' C@ > C@D' A' ? U A.' ' @+ - -C'
B->,D@C' +' AAGJC@ @' JJ+' A+B@ -CU ' 5NN5 V >0 - "'
& ' ' !@+ # ' ' ' C@D> + -A' C- ?' +B@' -C . A ,' X@'
- '+B@' E ' +B' ' I>)@' B->,D@C' -C+ -' I> C@' B->,D@C
. ' C ' ' ' @+ ' B@' +C A @C@A @' - ' AU' C- ?'
-A@' J .@' +-' A- +B@C
;K=' C ' ' "' $ (O= !@J+' B ' B@' C-6) JC@ ' ' ->AD'
+-' E@ ? -C@ @ ->' +B A +B@' B ? ?@C A' JC-D> A.' ,@
' @+ - -C' +C A @C@A @' - ' AU' C- ?' -A@' J .@' +-' A- +B@C'
;KK' 8 6 'C $, ('C ' ' ' A' +B ' G' -A,G' A
' @+' - '' E@' JC@ @A+@D

E ' A' ? JC@ -A' +C A @CC@D
;KL< ' H0 C ' (" &)' ' ' 8;K=;(;LK' ?Y
JC@ -A' A' C@ @C @' B)' B , +' +B@' AU' 'G@+' C@ B
@C@' +-' E@' JC@ @D' +C- A. ,G' E@+ @@A' ,@ A' J J@C' +B@' @+ - '
>J-A' B B' ->,D' E@' ,+' -C' > @' ;KP= ? ' $' ' 5 "
C ' 'OM B ' ,,' ,@ @' >J-A' +B@' !+-A@' B +' ' +@C ? @D'
' ' @+ - -C' , .B+' +C A @C - '+B@' DC A.
M ' , ' ' J A- -C+@' +B@' J @' ,@ +' E@+ @@A' +B@'
B ? ? @C' +' + ' >,,'C @' AD' +B@' +C A.
OK<M ' 1 'C $' & & ' LL' ' JC-,-A. + -A ' -C ? A.' +B@'
@ J@ ? @A+' ,@ @C -A+C-,' +B@' @ J@ ? @A+' -C' @+ - ' C- ?'
+B@' +C A. ' EG' +B@' C@ ' AD' E>++-A' (
2 ' 12 ' @+ - 'E>++-A' ' E>++-A' +-' -A+C-,'
+B@' @+ - ' 8 @A @' M(A' A' J A- -C+@' @+ - '
J J@C' B@@+' C ' ' ' 8 @@' I>-+ (
K ' 3 7 ' ' ' ,& $ 'C ' ' >' B@ @' !@+' - '
! B@@+ JC@ @A+' +B@' AU' @++ A.' - 'C- ?' -A@' B@@+' +-' A-+B@C'
B ,@ ' +' !' A@ ,G' JC A+@D ' A JO ' ['C ' (" 3
%&)' ' ' O+X' B@' ? +@C' B->,D' b - +' .C>D. @' ? J,@'
>JJ, @ ' - ' @+ - 'J J@C' A O% ' 1 'C $' & & 'LM E@'
@+ - 'E>++-A
! @+ -,@C ' C' * . ' 1 (' +-,@ J, G@C
,';=LN ') '& (L=L' 8 B-CA+-A' 3 ! (
! @+ - > ' 8 ,DA(1( ) (5-C ? ' P M' @+ -A'
Q' @++-A' K @ + -A' 8<' 6! $E' @@+B A.(' P '
@+ -A ' ^ D' ? @D ' ' (JJ ,' EC +,@'
A' ? @D ' , -' ,U' % ' #5' &' "' , &' 8 ? -D 5'
+ ' &-
' ' +BC@ D' J @ @' - ' + J@' -C' +B@' ,U@' DC A'
+BC->.B' ' -,D' - ' U A' -' ' +-' ? A+ A' A' >@'
-C' -J@A A.' -C'D B C.@' -C'DC A' +BC->.B' ' A>'
-C +G' +-' U@@J' +B ' C- ?' B@ , A.' >J' = " (&,(
5(+(
,';=NN' $' $' ,>') (LNK B@' S' >+@C @' ' ,@J D'
@+-A' 1 (L;N ,,@' U@ @' >+@C * ' -,@A' E@' ? D' E@ +' E'
@+-A' OP=O :(' <')" '>' A) ( ) (& *E'
$->AD@' >+@C@ -C' >+@C@ ' 7 +B' @+-A +B + 9@J@+B' +'
E@++@C' -J@A' O 7 ' ' 3 '+C')!! - $)>' ( ) (OO ;'
JJ,G A.@' - '+B@' -CC- @' - ' +' J, @' - ' ' !@+-A' A%/A' 77
&' %(5'O!!' ' !@+ -A' -C - CD' - ' + +@D' +BC@' - ' -C ,U'
'C>AA@' +BC->.B' -A' E-+B' D@' ' +B@' U A' - ' +B@' A@ U' OQS=
8 @' 8 ' M' KOL' '*& ' ' ' $ 4 ,, ' Q@' B@'
D@ @AD A+' ++@ ? J+@D' +-' J ' ' @@+ ? A.'>J' +B@' ->AD' OK=
' ' 1 ' ? .0 $ - ' " ' K=;' ! - ? @ C ? @C ' A+C-D> @'
' @+-A' A+-' +B@' D@ , J' - ' ,,' +B@ C' , @ B@' @+-A' -AY
+' - ' ' J @ @' - ' + J@' -C' - +' -CD' J @D' >AD@C' 'J-C+ -A'
- ' +B@' U A' EG' ' @+-A A@@D,@' O)P' ? ' % - 10'
O= / @ ' [=FO ' + ' ' C@J, @D' EG' ' + .B+' @+-A' - ' I> DY
C>J,@D' -CD
E ' &'3' E"' 'A@@D,@'> @D' -C' J A.' ' @+-A'
+BC->.B' +B@' U A
OMQ ' 9 ' &)' ' ' M ' ' J @D' ' !@+ -A A@@D,@'
+BC->.B' AD' +B +' G'D B C.@D' +B@' 3 ++@C' KLO) '
' " ,!(' 8;KPQ( )' MPLQ' 7 B@A' +B@' @+-A' A@@D,@' 'C@'
? - @)' +B@' @AD' - ' +B@' + J@' B->,D' E@'*- A@D' +-.@+B@C
/ ' B@' >@' - -C ? @D
OP<Q 3 ' [( ) E -) ( ) @ (=L ;' : @' !@+-A'
JC-J@C,G@' +B@' +BC@D@' B D@' @' +BC->.B' +B@' U AA@'
+B' +B@' A@@D,@ ' ? JC-J@C,G' ,-A.%' +C@+ B A.@' , @C +' -A'
B B' ' ,@ A@' +BC> +' +BC->.B@' +B@' D>EE,@' U? A@' +B' '
,,- +A. @% >+@CG@' OMKK' !, ' ' - &) "' '0
@@D,@' E@ B. 'B@ +@D'C@D'B -+ ? U@ ' !@+-A2-C' J@C -C +@

+B@' ,@ B' , ? - +' J ,A@,@ ' OQOP' ? $! % ' $ ')' ' ' '
<!$' ' 5 C +' +-' ? U@' ' !@ +-A' >AD@C' +B@' ,' AD' A' +B@'
7 +B@C ' A I %' '+C' $! $ ' >' $' ' * ') '
P< B@' @+-)D' 'U AD' - ' >@' ? D@' EG' J @C A.' +B@' U A' A'
+ -' -CC@ J-AD A.' J- A+ ' AD' J A.' +BC->.B' +B@ ? ' ' ' , '
- ' -++-A' -C' ' E +' - ', A@A' >AC @,,@D' ' +B@' @D.@ ' +KM-'
' 9 ' - 0<(! &' ' # ' @ +>C A.' +@A' @,@ @A'
-C' ? -C@' B->C ' @@U,G' C@ I>@A+,G' +B' +-C+>C A.' @+-A ' AD'
-J@A' E, +@C' ->AD 2
% 0' OK=< . B7 ' * ",.) ' ;;' ' LO ' -C+' - ' @+-A' :'
>JJ@C' ' ? -C ,'E,@@D A.' +' +B@' A- @
"@A @' !@ +-A' +-' JJ,G' ' @+-A' !@ +-A@D' * * !(
$0 ' ! @ +-A A.' 1!(1(
OP=[' 1.)' <)" &' >' A) (& ' *' B@' G +B
J, @' ' +B@' A@ U@ B@C@' ' @+-A ' C@' JJ, @D' +B' +-A.@'
@+-A@D-C +B' A@D,@' @+-AA@D' ;K=P' 1-> V) ' ;;K'
'B @' E,@D AD' JBG U@D' AD' @+-A@D' AD' E, +@C@D' A '
> @D' +B@' ? -S ' OK<Q' $ .0' E0' 0' * (,(OP= 3 AG'
J, A ' - 'JC@ @A+ -A' ^ - 'E, U,@ .@' B @' E@@A' D- J+ > B'
'E,@@D .? ! @+-A A.' 8@+ :
! @+ - @' 8 '+) ($0 ^ D' ' %) " & 3) '
EC +,G ' $(%$' EC +,@' @@' #! a
' $ (AD' N&& ' ! @+' -C' - @C@D' +B' EC +,@ '
-C' + ' B C EC +,G ' , - - ' ' EC +,G' A +>C@
OMM;' 3 . ' ' - ' - ' ' .- ,@'E E' B@' + ,@'
' @+ - @' A'+B- @' +B +' C@',-A. B ' B-C @ ' OK;< 3' .
& ' ' &- &!(: LP' &-CC@ +' ? AD E,@ AD' @+- @' ? S ,, '
OKKO O 3 . . : ' $' ' %) & $' 'QQ< BC@@' -C' ->C'
D + A +,G'D @C@A+ +@D' @+- @' ,
/ ' ? & >' " A.' @+ @ -C' EC +,@
OQMN : ' ' & (' ? &%(;' 'S ' 8;QMP(=L' & % EC +,G'
KLL') . ' ? & 0' ' +' ;;=' ' +B- @' B C C@' @CG'
>A> > ,,G' + +' ,0 +B@' * **) H' ' @+- @' OKKO 7
? (? & (8@D)' K(,- & ' B A.' EC +,@ ' -C' @+ @'
> > ,,G' @AD A.' A' ., AD
"@A @' ! @+ -) +G
A>JA' . ' -, ' & E " ' >,A@ ' - ' EC +,@
! @+ - A ' 4 %T "$($ 0' ^ D ' & 3) " 1 &)
@@' JC@ ' AD' -> a' f '
OKLL' : ' ') !0' ", &!0 ;ON' B@ C') A@ ' C@'
C -> A@ @C' >A -C ? ,@' ! @+-> ' OKOK LL' 9 !' & (
EC +,G'WB A.' +B@' >C @' @+' +B' EC +,@ ' ' @+ ->
@ ' -C'C@ @J+ ,@' ^ + A.' = ' B-' A' $' ' ? (8;Q<L(
B ' &)"
! @+ - ->+ ' 8! +C@ ' C E,@ (' %B @ ,G' A!.D(AD'
$!(& ' @+ - > + ' = ' ,& ,!"' @+ - > + (' ^ '
E,' JBC' '&) ' @@' ' ' ;=<2a
' ' D J, G
' D J, G' -C' @+ - ' J, +@ B A @+
OKNM Q' : ' 6)') - (% ' 8;KOM(S ' * SC'
@CG'D B E@ A.' @C @D' >J' -A' +B@' U + B@A' + E,@ ' +B' '
@+ ->+' - ' C- U@CG' C- ?' +B@' ? @' J C+ ? @A+' O) L' '*- '
'* ( ) %' @+ ' '&) (+ ' , - ' JJ, @D' +-' ' D@Y
E- CD D@ U@D' ->+' -C' ' D AA@C' + E,@ @+' ->+' A J+' '
' 8 ' $ " 8;K<L' B' ;=' " @' AD' B ' J>A+' ? @' B- ? @'
,--U A.' ,U@' ' @+ -> +' - '. AD' B ? @, ' B , C-X@A' OKPO
= 6' ' &) ' $1&) ' : LMK ;' B@' , DG) +@D' ? @' +-'
.-' AD' E>G' @SJC@ ,G' -C' B@C' ' .C@@A' AD' B +@' B ? E@C'
@C @ ,,' - ? J,@ +@ AD' ,,' +B ' B@C@') AD' @+ - +' B@'
A+@D' -C ' ->J,@' - ' -,D' B@D ->+' , .B+' ? + - +
E ' ' T JC@ D ' - ' --D
OKN< = . ' < !' ? $ ' ' A' ' 8$+ D. (' ,-S' B@C@' ' '
.C AD' @+ ->+ AD' ? C+B +B@' E@ +' C@, B ' A-+' A+ A.'
+-' +B@' E AI>@+' ;KSP# ' B ' ' - - $'S6 ' B@C@' B ,,
E@' -,D' ? @ +' A' +B@' B-> @ ' ' 7 @,, ' G%>' J,@ @' -A,G'D-A +'
B @' ' .C@ +' @+ ->+' ;KPN ' ' B ') &1 & (:' + ' MS'
' E@ - ? A.' @+ ->+ - ' - @@' AD' E>++@C@D' +-' ' OK<K'
= ' " ' 9) !1 ,. ' ' ' <K' +' -C' ' CC 'J--C' @+ - -+
-C' :@AAG' ' E>CG A' - +' E>+' + G' A' , U@
' ' T +>CA ->+' ' @' ' CC .@' +B' + ' B-C @ '
B CA@ @+
OK;N ' *& ' ' $ 4 4 4 ' KO B@' @+' ->+' - '+B@ @
.@A+,@ ? @A' @S +@D' D? C + -A' OKS< !E ' (;OL' B@'
'%-C A+B A A' +E) C' S+A. >J' @+ ->+' ' E, - -D' AD') A@'
OKLQ 1 (4 4 ' =Q B@' ? @' - ' +B@' 7 @ +@CA' @+ ->+' ' C@Y
-CD@D' A' ? C-D 'E@ +' +G,@' OKLL' - -
$ ' ' ' 8;K=L(KM ' +B->.B+' - ' +B@' ? JC@ -A' +B@'
B-,@' @+ ->+' ->,D' E@', U@,G'+-' JC-D> @' -A' A' A., B'C- D'
'OKLQ'Y 11 . V' &$ = #+9#' B@' U ' + ' +B' ,' + '
>&) ' B ' - +' +' ,@ +' ' +B-> AD' J->AD)' OKLQ' : ' 5
1 ' !$ ' ' 8@D' O(' 0;< ' JC- @ -A' - '
- B@ ' B B' B- @ @C' A@ +' AD' @@ ? ,G' +B@' @+ ->+' B D'
+-' ? > B' +B@ @' C- ' ' - UA@G' B- ' OKPO MO = 8'
' ' $1&) ' =M O' B@' T B-,@' @+ ->+' ' J-A@G' AY
>D@D -+' PN)' B@A' A@ ' OKPM 9 = .3 . 'V$ '
& ' " (LK ' @' J>,,@D'>J' A' C-A+-'+B@' % +,@' " -+@,'
T C@)' J G' @+ ->+ O ,,' ' D'-A@'
$ ' %(OKS<) ' = 7 ' A' ')' 8;KMO(' ;;=' " @'
D' B@' B D' -CD@C' +-' EC A.' +B@' % J+ A' 'E- +' AD' +@A' ? @A'
-C' ? @' ' - +@A' ' ' J,@ @D' @' J@' +B' + B@' @+ ->+
+ @
D ' 'J@C -A' ' - +> ? @' -+' T .@+ >J' ' +B@' G' A' A'
B B' 'J@C -A' 'DC@ @D
OKL= ' 9 %" +O' $' ' ' O<O "@C' J' ' J, A'
@+ ->+' C->AD' B B' +BC- A' ,- - @,G' ' J@@' - ' B @'
? > , A' E-CD@C@D' +B' , @' OKL= >$ > ' $ ' MNP O 0 -+B'
+' ' , A@ @@ ? @D' +-' ' U@' 'C J D' A @A+ -C@' AD' JJC @Y
? @A+' - ' 3C ' 3 CU' >U@' AD' B@C' @A+ C@' @+ ->+' OKLQ
'C ,2 (" @' ,,@D'B ' - ? J A -A' +B@A+ -A' +- '
+B@' C.@' ,' E>++-A' B B'D J, G@D' 'E> +' - ' 3C' & UY
U' A' +B@' @A+C@' AD' +B@' ,@++@C 'T& '% ' -A'@ +B@C' D@'
'& '%' ' D' +B@' +C A.@C2] 'I>@@C' @+-> +) -,D' @,- ' ', U@Y
A@ AD' @' &'%'p OKNL' $!"' 2 'Q' !@J+ 'M P' A' 'E,>@'
AD' .C@@A' DC@ +B' E- ' ,G B. AD) @ @CG' -A@' +>CA A.'
C->AD' + - ' , - - U' AD' , >. B' + B@C' @+ ->+
@' B- ' -C' J>E, 'J@C -C ? A @' A'@A+@C+ AY
? @A+' -C' 'A> ? E@C' - 'J@-J,@22 'J C+G' - 'J,@ >C@
S& X& ') ' = 7 ') &1 & (8;KP<(ONN " @' @S +@D' - ? @'
@A + -A'B@C@' , ' 7 @DA@ D G' B@A' 'B D' ' ? - +' EC ,, A'
@+ ->+ L) 7 ' 'A' : ' " @C >D' &"0 ' - (
' * - 0 84KLQ(=Z 7 @' @6 +' +-' +B@' J, G'B@C@' E>+' +'
'B-CC D' @+' ->+ OKL= ' 0 ? &0(' $! ' ' B ' ,'
@ @C' ' AG+B A.' , U@' +B +' % J+ A' $- ' ' @+ ->+]@B' '
1 ' $! ' ' B@' E@ +' G' , ' E@*+-'B @' ' - ? ? ++@@

- ' +@A' +- ? A .@' +B@' B-,@' @+ ->+' OKKQ ' ' <!& 0"'
'&) "((. ' .C AD' D J, G ' A' @ @A+' > A.' @S +@ ? @A+'
AD' + ,U' ' B@C@' ' ' .C AD' @+ ->+' +' +B@' @DD A.
' ' J C+G' @' + 8- ' J@-J,@(' - ? J AaQ
OKP=' ' $ ' ') ' , !B@' ? > +' '* > +' B +@ AD'
D@+@ +' +B@ B-,@ @+ ->+' # '>
' . ' - ? ? -+ -A' D +>CE A @' '+- D-'
OKQ ' O ' 5' < !& ' ;N;' B@C@' 'E@@A' 'JC@++G' @+ '
->+' >J' +' +B@' -C.@' OKKQ V ' ' <!& 0(&) (' .C@ +'
> ' AD'D +>CE A @' $
/ ' 'E@. AA A.' -C' + C+
S! S' ' $ "'HN' 5@E' A' 3 - -C@' '@+ 'M;KLN('
=O< B@' - ? ? -+ -A' ,@ ' @CG' E-DG' ' D@' +-' + , @' ' AD'
+B@' J C+ @ ' @C@' JC@++G' @I > ,' +' +B@' @+' ->+' ;KML' 7 '
' & ' $!0('&) " A' ->+ @+' ' + C+ A.'-C' '
JC- @@D A.' OK<L' $ 0' 1 '7' 3 C' L<O ;' B@' ? ,DC@A'
? .B+' B @'B D' > B' ' .- -D' @+ ->+' A' +B@' -C,D
' #>+ + @ I> J ? @A+
;KL;' ' ,&!' ' $! ' Q' # +' = = ? E, A.' @+ ->+ ' - '
@ @CG'D@ C J+ -A' OKL ' $' 6 0 ' $ "' 8;K<L(' =P
O>+' ? G' .C AD' -E*@ +' ' +-' +CG' ,,' +B@' +) ,@' B A.'
8@S @J+' +B@' .>A A@ ,G'D-A@' >J(A' @A' @,G' A@ ' ' @+ ->+ -A'
' - ? @ B +' D @C@A+' AD' ;' B-J@' ? JC- @D' J, A' OK)'
(& 'B ' B@' +@ B@C ' >JJ- @D' +- ' E @-A' B '
B@, ' ' >,' %+ ->+' - '+B@' ? - + JJC- @' @,@ ? @A+ CG' -,> ? @
! ' &$! - ' ' (8! @@I> -+(' 3&))1(
OK=< K 6 ' <!& (' ' &$!' $ '8;KP;(=M 3
&) " ' +>E -C@JC' - ' ,@D A > @A+,G' AD -A @Y
I>@A+,G -C@ +@D' OK<O $1&) ' - ' 2 !3
)1"' +>E - ' , A > D%A+,G ,,@D EG ' ? A@C
! @ +C U ' -E ' -C ?' - ' 6 I' ^
OPQN 1 ' $ ' * 0 P LM' !@+C U B@CE#
! @ +C @ 8 + (D G 2 ! @ + C G 8) D G ' -E ' B)
! @ + C G A @ ' -E ' - C ? ' - ' B'
@ +' ? @ ' @@' 6 ' 6 B
! @ +) A @ C C@' -E ' - C ? ' - ' U '
-*- 1 @ 8 @ + ?) A(' ^ ' J ' -C' .@A + ' - '
'1 K ' N = ' 10' ' -CU ? A' B- ' ? U@ ' T' @+ ' '
-C'J A. +-A@
S\S' ' ') ' ! . KM !+-A@' I> CC @C !@+'
3 A@C 3 U@C !@+ ? A !@+ ? A' 5 A B@C
! @++' 8 @+(' ! ' , -' < -+ ' ^&- E,G' ' > @'
- ' ' 8+B->.B' 6+' C@, + -A' +-' +B@' -+B@C' @A @ '
'D ++,+' +-' .A(' + ? G B- @ @C E@' 3
"' ' 8 , -' ' f ' ,) O+' -CD A A @ , 2
' ! ' ' +-' V' B@' -A + +>+ -A' -C' - CI' - '
.- @CA ? @A+' - ' 'E>C.B S@D' EG' B C+@C
OMKL'= ! +' B@' ! @++' AD' / @ C@@+' B +C ,' - ' %)' : ? @'
+B@' MVE -A+ A A.' +B@' 5>AD ? @A+ ,' &C A J,@' - ' +B@'
- @CA ? @A+' - ' +B@%)' - ' D AE>C.B' OQL< A' ' ' &(
$ 0 8OK=N(B@' %->A ,-C' / A@ ,,EG' +B@' +' - ' @++
-A + ' - ' &C- @ + + - ' 0 , @ ' 8@+ - ' OKNM - 9
? $) ' , & 0 ' ;NN B@' @+' -C%-A ++>+ -A'^A'- ' 9 CU ,DG '
S& S& ' (A' AS -> D > -A -A @CA A.'
JC- - + E , @ D@ -A @+ - ' E-C->.B ' ^@+ *' OKLK
($2' ,& (' ' B@' @++' C@' @ +B@C' @ + E, B@D'
EG' ? @ ? -C ,'> .@ -C' @C@' +' - ? @' ? @' -C' +B@C' ? -D@,,@D'
EG' +B@ -A @A+ -A' - ' O>C.B
-**F @@' ' 12 ' , - -E ' ' 0 AD' 0
-**(34- 8 @ + E',(' ' $ + ! X ' i' O a
B ' ? G' E@' @+' 8 U' I>-+' J@CB' +B +' ? G' E@'
J, A+@D' +B' +C@@ (
$'OMPQ' ' 3 'C!" - &) 'C!$ ' 0 8OKPM' OOM B@G' E-J,D'
-A,G' G' - >+' @++ E,@' - ' E,@' AD
' ! @ + + > @ ' 1 $ 3 ^ ' 5 ' * $ ' 8JC-Y
A->A @D' + @A(' * ' @ @A ' C B !V
+ AX ' - ' @ @A' , A@
OPK< G 2 ' (C& '>' S^a' 8 CE (ONO E@' EA,+ A'
-C' + @' - '@ .B+' @C @ B +B' @ .B+' JC-J-C+ -A' ' > B' ' +B@'
-C ? @C' + @' AD' E@ > @' B@' ' ,-A. @C' B@' B +B' -A@' ? -C@'
+B@A' +B@' @++ A@
! @++ @ ' -E ' - C ? ' - ']' 10( ]! K'
7**--> 8 @+ (' - -A,G' 0 5-C ? ' 9'
@++@ Q' ++ @' G' + ' @++8G(@' Q K' ++@@'
K' @++@@ ' @+ ' @+G@' Q ' @++@@' $0 + ' $ $'
8JC-A->A @D' +C (T ' @CG' J@@D @' J AA @' " 85,-+ -'
;P<K(-' -E >C@' -C . A' - ? ? -A,G' @ @D' '
$ $' CC- ' % ' 5 ' (O (, ' 'D@ U@D'
@ , +B' ' ,-A. ' B CJ' JC- CCG A.' + - ' -C'
+BC@@' ? + ' +B' 'U AD' - ', +@@A' , ' A' 6 @ A' +E@'
3 @D +@CC A@ A' , -'$ 1(@++@@ ' 8 @@' I> -+'
2 !(
A' - ? @' - '+B@' @ C,G' I 6 -+ ' +B@' @ @,' JJ@ C '+-'B @' E@@A'
' C,G', C.@' ? @C B A+' B J
;PKQ' ' ' & "(* &!' %' 3 ' 0 C+-A' +B' ,,'
+B@' C@ D>@' - 'B ' - ? J A @' D@J C+@D' C- ? ' 4C+J- " @' +-' #@X A+'
A' ' @ @, ' ,,@D' ' !@++@' - - A@' 3 > C ' !@ . -- C> ' ;MLK
7 ' & "0 0 8% ? D@A(OL' - ' + U@' +B' + - JJ-C'
+>A + @' +-' ,@ A @' ? G' @ ' B J J ' AD' +-' >CA B' ? G @, @' +B'
++ @' AD' -+B@C' A@ @ C @ AD' +-' B A.@' ? G' E ,, +

C C@,G' @@A' A' +B)@' J C+ ' B@' ' E->+' +G' >A AD' B@C'
3 +' , U@' ' J C- ' G,-C ' !B@@C' -J@A@D' SM)' &' 0
< $0 - ' ;LL ;' A' A., B' ! + ' C- ?' A. @C 7'
'C ' $ " 8 " U,' ! - ('OLQ' 7 @' ? @' >J' AD' J-U@'
+B' ' 5C@A B' ! @++@@' - ' 3 C @') ' OQSL' ' 61 "$
< $(- 'PNOM M BC@@' 3 C+ A@ -' !B J ' %@++@@' AD'
A' OQPP' , ' %)' - 1!"' < & $' 8SKKX(PL' 5EC @ @CG'
! B J' @A+G' !@ @A' !B ,, A. ' AD' ! SJ@A @' -C'@ @CG' !A- '
0C .' $-, C@' -C' ! @' ' * ' ' ! + ' @A+G' -' !A '
, A. ' AD' ! SJ@A @' -C'@ @CG' !, - - J' -C' ! B- -A@C^@+ ;' !) '
A' - ' C$*' 8;KLL(' VQ' O !@+G@' - 'L= . ?)'
' ' % $ - $' ' ;LM ? & $ ' ' $!(B)
' I> DC , +@C , ' B@' B@ D' E@A+' +-' ' ++ @ G CD' 1 (
OLM C& !$, 3 ' ' @ @' +B' +BC@@' ? + ? > > ,,G'
A . +@D' A' +B@' ,@ A+' -C' ? @D' +@CC A@ A .@A@C ,,G@C .. @D'
+B' I> C@ ' >J-A' +B@' ? A' AD' ? X@A' ? + A '
, ++@@A ' ,' >J-A' +B@')@ ? + ,U@' S@E@ ' (<LK

(@ @, > @D A +B@ ? @D +@CC A@ A2 C . . @D AD A Y
. +@D) ? , C +- S@E@ -C . ,,@G 2 +B @++@) , A +@ D
- , ++@@A , RX 7 B) .)) &1 & ($ - $ ' 8 KM (
SW #A +B@ A+B ^ - SK-Ka @ J+>C@D @++@@

+ ! @++@@) 1 0 $ 0 ^# >AUA- A -C . A a
D- E,@ J AA@C -C +B@ B@ D

;MKK ' . ' &) " A2 =KO ; %-C-A@+ @++@@2 - @C
+B@ " @ D2 AD EG D->E, A. + ? U@ + + AD + .C@ +
B@ .B+ E-+B E- @ AD E@ D@ +B@ 5 @ ;M<O ,$ & '
ML 7 +B +-J UA-+ A@2 +- ? U@ @? JC@++G2 7 +B + JJ@+2
J ,, +@@A AD @++@@ ;M<= " $ (S !@++@@
! -A,G)D->E,@ & AA@C

! -++@@ Z8 @+C(^J@CB A >, C + -A -
. Rd) @@) * @ + 8 -C AD--C (B-,D A.
+ - -C ? -C@ J@C -A 2 +B E U AD 8> > ,,)
C ? - -A ,,G , - +B D -A 8 @@ I>-+
;QK=(A ? @C - ? @+ ? @ >CA B@D +B
C- U@C

;QSM ' 0 <$0(- P=<) = ,, !-C+ - " A. A. -C
$ - - ? AD !+ C @ 2 %E ? C 2 !@++@@ AD ! C@@A 4QSK
3 ' . ! &0 == LSQ B@ / ? U !@++@@ J, @D A
+B@ %@A+@C ;QPM ?) ' ,! 8;KOP(: LO; A - U @++@@2
-A B B B E-A@ , G ;QK= 8 1 $. QP A.@A ->
5 A G 2D@ 'D B@ - + @++@@ -A@ @,E- + @ B @AD2
AD ? +B@ ? D + A @,E- + C@ @ 'D 6 A +@D G@+ D D@D2
+ A + ? @ SK L I = &!. & LLM (
-JB -C ? - @ E,@ AD- @ + ? ? -C@ ? -D@CA , A .> .@
,,@D2 E@, @ @2 -A @C + -A +--, B @ A-+ B@ CD +B@
3 -CD - ? AG G@ C 2 AD E@, @ @ + . - A. ->+ ;KL<
I ' &!0 0) C ; < ' 0 *) (B@ -C@ D 1$
00>$ E@@A +> D A +B@ @ + - U AD - @++@@ #C
D->E,@ C ? 'D B C SKKK 7 7 . < $" & ' . M B@C@
.C@@A @++@@ +B +BC@@ C- U@C E@A@ +B AD A C ?
+ @ B @AD ;K<L . ( ) - 0 ;=4 A E>AD A @ -
@, @+ T @++@@ ' #C D A - ;K<P & >C , ;<
% A@ !@++@@

E [0 0 8!@@ I>-+ (

;K<; ') " 0((8)(? ,, J C+ + U@A - C- ?
,-A. AD , C.@ - EG U AD - C ? +B> 2 ,-A. -
? G A @ @++@@ + @ B @AD J C+,G %>+ - C- ? +B@ E-DG
- +B@ J @ @

- !@++@@ E@D2 E@D +B + A E@ -,D@D >J -
+- -C ? @++@@

;QM< - . 0 $ ' 8;QKN(+ 2 ? $ ' , ,&) , (
-C+ - -,D A. E@D +@ D2 -C @++@@ E@D ;QKM A 7 3 . ,,
! & G . 0 8;<N<(4=; !@++@@ E@D +B E,>@ AD B +@
B@ I >@ - @C
! @++@ ,8 ,2 -E -C ? - .

! @++@C 8 @ +L*(2 10 , - P M , 0 @++ C2 M ,
C- 2 2 @+@C ^ ! X "K"" 2 L ' 00 A < (
00$ 8 @C 0 +(! %$ (/ A 0W
NTT #A@ B- -C - ? @+B A. B B @+ 2 A C ->
@A @ - +B@ E

'0 #A@ B- @+ - ? @+B A. J@ B@D -C -AY
+@S+> ,,G ? J, @D # +@A +B@ @ -AD @,@ ? @A+ -
- ? J ->AD2 A B B +B@ BC + @,@ ? @A+ D@A-+@ +B@
+B A. T @+*') A " ! > 3 (1 "
0

;= &,0 A 7C 7 , U@C MN= L= C *& & (@++@C -
? @ ;PLK . 0(' & (@++@C - E->AD@ ;PPQ
A 3 C U ' 0 <) ! 8;<N<(K< B @C -CD A + E@ +B@
@++ C - +B@ D + S+ +- J G A@ J C+ +B C- ;M=K
" 4" 3 ' N (!@++@C2 -C %- ? J- +-C - ,@++@C
4MP X *B 6 2 ! 7 U 8;KL=(;K; : > > ,,G -CD@D +B@
@++@C -JG + +B@ C +@ - E- @ B-,@ JC A+@D B@@+ A +B@
D G SK) $ ' , O= / @ M=< O " A. +B@ J@ ,C@J>+@ -
E@ A. C + , 2 @++@C - +- @ 2 .C +@ 2 \ ;KK<)
' 7 7) ! &*$ $ 7 B- ->,D E@, @ @ +B + B@
+B@ @++@C - +B + A C@ A B B +B@ F>@@A B->,D
? @C E,G J@C B

E 7 +B D @CE , @S+@A -A -C - ? J,@ ? @A+
! @@ , - "1 ! " ! " B ! " ! Z B 1

;P=K 6> 2 @+ $ - 0 C $ (6& ' S S " @
AD @++@C - ,, +B@ ? + , E@C+ @ B B@ JC- @ @+B B
A ? @ ;PMN) +C ! $ ' > & - - 0 OOK E2 @G+B@C
A+@D +B@ ? ++@C @++@C -C@ CD ;P<; 3 . > $,) 0
0 44 K< 3 C > JC@+@AD A. +- E@ +B@ @++@C -
5C A @ + C@@D- ? @ ;MOL . P % , & ' ((0
&C@ +- !@C ? +@CD G 3 =2 A @ CA@ + , ->@C AD .C@ +
@++@C -C CD - ? -AU@CG ;MP= 9 . N&& & ' $ LN
B@G - ? @ $@ A@C - +BG / C- @2 -C . ,D@C 8 @++@C -A(
- +BG C @ ;MPM . B <!& & 0(B* & (-AY
+@ ? A@C2 @++@C , .B+ EG ;K=M $,(SS 8;KMO(
LLO ' & 0 " @ - ? @ A- $@D@@ ? @C2 +B + @++@C
C@@ - ? A C- ? , @A J- @C B B B@,D B ? A E-AD .@
SKMM 7 . . - $ $! ;;; S 2 A AD E ++@C ,,
J>+ G-> -A G->C ,@. . A2 B J@C@D +B ! ? C + A
@++@C C .B+ - +B@ , -B-, D +@C - ? AU AD

/ -CU ? A @ ? J,-G@D +- @+ - ? @+B A.

i #A@ B- T @+ " -C , G +-A@ -C EC ! A
E> ,D A. 1 0 &) 3 $ 0 0

4=NL $1 , &!! & . ' 8!>C+@@ (O; A C@
? >A@C -A@ D + @ ? @A+ C - + @++@C D J C @+@
># & ' $, & . ' $" 0 8;K=;(LN B@ !@++@C B ,,
E@ B- GA AD + UGA EG > B ,) , B +B@ .- @CA A @
AD - @C .B+ - +B@ GD 7 @CU@ EG ? G @ D -CD ;POM
C ! 0 C (8 7 D@ 7 S (;=0 %B- @+E BG ? -A
AGA.@ ? A2 \ ? U@+B BG ? @++@C -C -CD@C@C - G ? @
+-A@ 59&53T , 0 ' 0 &!!(A 7 ,, P %, CU $ - Q
1 8;KKM(=KM - , E-C@C D . ,A. ->AD D-A AD
@C> A. +B@ @++@C + +B@ ->A+ ? A@

E &&!! ' $ ') %0 8!@@ I>-+ ;QPQ (

5 &, . & !! ? 0 8&@C G ! - (< GA@ D E@C 2
@++@C 2 +B ,GA@ DC J@C 4Q;L)) $! &) '
$ %% L " @ " >XX 'D A+- +B@ %->C+ EG @ @C , B->Y
AD - 7 @ @C 2 %,-+B @C 2 & U@C 2 % ,@AD@C 2 !@++@C 2
! ,U ? @A2 !J AA@C ^@+ a ;QLQ $ 1 . . $ Q
- $ ' 8@D L(- !@++@C C@ ,,@D - -A,G E@ > @ +B@G
C@A+ @A+@C .C->AD AD +C@+ B %,-+B +@C +B@G C@ AD,,@D2
>J-A 5C ? @ ,,@D @A+@C

2 -CU ? A B- @+ *@ @,

;KS< C 0 0 & ' 0 , 0 LKO 7 --, -++ \ %- 2 %>++@C
#

AD , X @C " / ? -AD !@++@C 2 ;OQ " .B " -,E-CA ;KQ=
) !$ %$ > $ - & ' (B [000 OQP B@ @++@C B + B - ? Y
? AD >CA @ ,,@D +B E>CA A. B C - , " -CU
+- -,D@C +B@ D ? -AD A+- I> A+ +G - , -G^@+ a ;KK=
? > $ - $!" C& OL 5@E L = :@ @,,@C' !@++@C] 7 A+@D
. - -D " AD2 > @D +- ,> B -C,

D ,0 8!@@ I>-+ (

;QNQ = 2) 10 8;QO;(<N -@ B % C+ ^- ? C,a
? > + E@ / C @C AD !@++@C2 B- @ # @ +- B@ B@C@
+ +- E@ , D2 AD +- + A +B@ >A, D A. - +

@ -CU ? A B- @+ -C J>+ A+-) -CU A.

-AD + -A 2 C X-C 2 .>Ab E CC@, 2 @+ 2

;KLL : ((' $ ') %0 $!HH0 O< @,@EC +@D @++@C
-C A@++@C - C X-C ;KLQ ' ' 0 # . 0 ' , " ,!0
MLN B@G ^ a C@ A@S+ E AD@D +- +B@ @++@C2 B-
J, @ @ B ,+@CA +@ +--+B - @C +B@ @D.@ - , ++,@ A ,
^@+ a SKKS K <) ' OL= - D@+@C ? A@ E CC@,
+C .B+2 +B@ @++@C B+DD + @ A B@ C- ? E @G@ +B
-A@ @AD J- A+ A. +- CD +B@ +-J - B .B ,) AD-

L T - ! @C -A +B@ 0-CD@C2 B-2 +B
@ C B@C2 C@ J-A E,@ -C @++ A. +B@ JJ- A+@D
+ B" = &) - 1! 0 <!& 0 ;K<L =(1 0

;PPO A -, -A $, $) - 8;QNP(OLP B@ 5-CD
- 0@,,@ +@C +- E@ + B@D A .B+,G2 +B + - 3 @A +
@ +B@C 7 + B !@++@C AD !@ C B@C 2 B- ? 0,@AU@A -J
AD :-BA #C EG 1 0(!@++@C AD !@ C B@C - +B@ ? @
7 +) 2 8%BC +-JB@C 0- ? A2 B-, 0,),-U@

! A , !$"0 B@ J, G@C B- + U@ -A +B@
+BC- - +B@ +@C

$>A% # : - 0 ;; <L AD B@A +B@ %>,, @ +B + C@
A-+ A +B@ !@ C@+2 +BC- + ,,2 +B@G - ? ? -A,G +BC- ->+2
AD ,- @ +B@ 0-S2 B B +B@ 0 +@ + U@2 AD +B@ !@++@C . -
C->AD2 , G A. > A@ 2 AD ? b+ @S+C . A+ #DD >J-A
+B@ !> @ 4QOM #V " 0 <$ - ' + +,@ J E,@
, >, +@D E@+ S+ +B@ %) +@C AD !@++@C2 +BC->.B->+ +B@
B-,@ %->C @ -C %B A.@ +B@ / @ ;KS= & " ! > <$ -
- * 0 LMQ +B@ E@ @ @A2 AD @ B J@C -A + U@
.> A@ 2 +- @ . A - +B@ @++@C E->+ L)D J) .> A@ 4KPM
. A 0-BA' $ ' 31.0 <$ - 8) VL ! J 8 " X CD(2
+B@ % +@C +BC- O2 L2 SS -C ;O2 A@S+ +@C +B@ ? A
D@ , C@D2 +B@ !@++@C A +B@ + U@

. % . ('0 #A@ B- J, @ - ? E + A+ A
J- + -A 1 (

O%& 1 ' . . ! , (S MN B b D>@, ^E@+ @@A +B@
,@ B AD +B@ J C +a ? G @,, E@ @@ ? -D -C +B@ >+B-C2
AD +B@ ! -A - -D -C +- @ @++@C - +

E * ,(A - U .B+ A. f "

;MKK ' . - &) " OP) ; 7 B@A +B@ %- U C@ @+
0@ U +- 0@ U B +B@ ? DD,@ - +B@ %,-D2 AD +B@C@ ,@ + EG
+B@ !@++@C SKLW " ' 8 0 *& &, .3
%% ' 0 B@ E ++,@ W -AD> +@D EG + - @++@C +B) C@
,,@D2 B- J, @ +B@ - U E@ U +- E@ U N $ "
C SM JC Q B@ B-,@ A> ? E@C + +B@ J + D@2 AY
,>D A. +B@ T @++@C " 7 ! -A,G LQ J@C -A

M ,(#A@ B- .C A+ -C ? U@ ,@ @ 0

;=K= A 5 , . (&!! , $ (4 MNL # >C - ? ? --A@C AD
@++ ? - ,, AD ADC # >C, AD %b M A 5 $, '0
?) ,(8;KKO( ) =QK B@ D) ++@C - +B ? C , AD +-
J@C! ->A , E@ J-GAD@D -C CD@+ -C (@ A, -
G @ J>AD + +B + ,G @ 4ML$ * . B (
%" " ' ! 0 84K=;(: ;ML " @ @++@C - + U +- B X-A@
AD .--D -A@ 2 -C +B@ JC@*>D @ - +B@ B>C B 4Qe= "
' C ' ,0 ,($ 2 8;KM<(SKM D A@ @ + ,G ? J,G
! ,) * & ' (B- @ EG +B@ @++@C - JC-J@C J@) A
-C B +@A A+

E T #A@ B- ,@+ AG+B A. +- A-+B@C -C B C@ "
8: ? (2 ' & ($!(

SK-M *& ' $ (4 4 =O J@+@-A A+B@ 6G-
%B@ +@C2 B- A-+@D -C B .B @++@C - B-J 2 +B@G @SY
JC@ + A +B@ A-C+B SKO K # 3 ! . & 3 (
B-C @ B C@C2

@ A I> CCG> . AD ? A) -CU B@ -C@ ? A B
EG B- ? +B@ -A+C + C@ ? D@ +B +B@ -CUY
? @A ! @@ , - Q OL1!(10 @)

SK) 0 & - 0 2 P !@J+ O *) B@ @++@C 7 ,, @A. .@
+B + +B@ EC D.@ B ,, J,G D ,G B@ @++@C , - ,, JY
J- A+ @A. A@@C AD J G +B@ C .@ ;K<L 1&) & - Q
- & ' F,-W 2 (1$ $ ' 3 8-C ! + +B@
- , B- -C! +B@ -A+C + +- +B@ I> CCG ? @A ;<N4
$!" 2 O< A Y + +B@ E@. AA A. - 3 B A-A+B2
>J@CA B +) @D E C. A D G2 -A@2 + -2 -C +BC@@ U ,,@D
I> CCG ? @A .C@@ +B -C@ ? A2 -C T @++@C '2 >J-A +B@
+-AA .@ C +@ + B B +B@G 6 -CU ->+ . @A J-C+ -A -
+B@ I> CCG -C D @ -,,- A. ? -A+B

2 (-A @D@C +@ - B CJ@C -C AD,@C 2 @ ? Y
J,-G@D D@ -G , - 8 +B +C A \CC@D A-+ -A
- @A @ (2 -A@ B- @ ? J,-G@D EG C-EE@C -C
? >CD@C@C +- JG >J-A +B@ C A+@AD@D + ?

O/0A < ,& 0 && ' $ =2 B@C@ B@ C@ I> +@
@ @ +> ,,G +- + +B@ C+ - %-AAG + B A.2 +BC@@ @>@C ,,
J C+ @ 2 +B@ !@++@C2 +B@ @C @C2 AD +B@ E CA ,@ B@
A +>C@ - +B@ !@++@C2 +- DC @ A @ J@C -A ? , C,G +-
DC AU@ +B B ? @+@ (4P<M U ' (! (;; PL
C& ' (# + ->C !@++@C2 UA- B -G @ 0 CD-, @2 B +
A@ @ (O%&> 7 E ' !$ 2 %) ! ' 0 $. ' - ;LQ +
E@G-AD ? U ,, +- D@+@C ? A@) B@+B@C +B@ ,G@ AD >AA A.
@++@C2 -C +A@ +->+ D @ A , ? .C@ +@ + B C@ A +B@ J- ,@
" T ! CC " ' & !! & ' 7 U 4QM; LPQ 7 @
B @ @++@C + B A. A - ? @C 2 AD EG D@ D ,, 2 +- . @
> A-+ @ B@A .@A+,@ ? A .-@ EG ;QPL & ' ' &)
- KM J = : E@ ? @ !@++@C +- 5,@@+ & -

E T J@C -A @ ? J,-G@D EG +B@ @AD-C + A
> + -A +- C>A +B@ E DD A. 6 J" =%%& ' > !$ '

(KMN(

;M<W 8 %) & P=Q2 B D A-+ -A@ !@++@C 8+-
D A @ +B@ JC @2 AD DC -A >A CG 0 DD@C (A AG -
? G @ ! ,@ ;QL . . & % &2 ' LM G +- +B@ J, @
> + -A +B@ #C +-C2 >CC->AD@D EG B &> AD
!@++@C 2 B- G2

- J-, @ JG -C A -C ? C

$%J+ #! & ' ' 0 D) (AD @C 2 8;KKQ(;L= ! -
? ,@ @@ D-@ AD , @2 --,D ,. C @ AD E + +@
@++@C 2 ,, +B> C@JC @ SMW -B . . & & ' 0

8;MMO(A OOO + A-+ ,-A. E@ -C@ B@ % C J Aa
>.B+ EG +B@ !@++@C - +B@ !@ C@+ CG 7 , A.B ? 2 AD
EC->.B+ +- +B@ - @C ;QQK 9 A :@ @ !2 " ' ='
& ' - * 0 8;K==(L;= : B ,, B @ +B@ + + -A + , +
- AD A. - ? @+B A. +B + ? + -C2n @++@C2 D>A2
+ BJ-,@2 -C E>? E , 2 +- C@ - @C E D D@E+ SKMM - UW
0 0 $ - D) ;OP ,, +B@ A -C ? + -A C@. CD A.
+B@ ? - @ ? @A+ - -CD D CD 5 +X.@C ,D ? @ +BC->.B
5C A " . . A 2 B- @ ? J,-G@D .@A+,@ ? A + - @+ +B@
>A -C+>A +@ A-E,@ ? A B@ T @++@C @ E@, @ @ +- B @
E@@A 3C 5C A 3 . A2 E CC +@C + , OK<N 0 $$ $
\ (' 0 !$ ' (00P J-, @ ? A A D .> @ -C
? A A +B@ @ ? J,-G - +B@ J-, @ 8+B@ 5C@A B AD +@>C
B- J- A+ ->+ +B@ +B @ -C -+B@C +- CC@ +

8!@@ X . 1 0 2

OSQNN 0 0 $ ' 0 2 ((0P !R&00P ' S X@
@C +- JC@ @A+ +B@ OC@ @C D@ C >D A. +B@ 9 A.
@ $ ' %0 AD % 0

SM-- 7 6 ((0 " %K2 B@G C@ +B@ @ @ +
- A@@D2 -C A+-AA@ @2 @A , >,+ .@ - ? C JA,G C@
, ? @+B +B@ -A@2 AD +B@ -+B@C J>A B@D EG +B@ @++@C
&->@C+ @ bM) ,$" 0 C " 8;MMK(KO !@, ,- @2
B B 2 + @C@2 +B@ - ? ? -A !@++@C +- ,, +B- @ B@ +
B B C > ? @A+ AD - - , > ;MKL 1 , ,! ((? $!
0;K B@ C C + C@ +- ,-D.@B ? A +B@ " -> @ - - ? @
5C @AD2 -C %->A+CG ? A2 -C + ,@ + -A@ - +B- @ !@++@C 2
+B + J, @D >J AD D- A A +B@ E@B , - +B + !-JB +

K K) @ / !2

;MNL : 1 8 " @C@# % C ! 0 8 C- C+(K + BG
!->,@ J-A - @@+ A #C. A J, @ ? U@ +B@ & C+ 2
B@ J, @ 2 ->AD @@+@ 7 B B ->AD +B@ B@ >A,G
0@++@C 2 AD +BG JC @ ;MLP 5 ((& 0 0 $ 2
OL B@ 7 C +@C 2 AD +B@ !@++@C U ,, + -A @ +B@ C B+
C D- ,,

#A@ B- D@ @ -C A + . +@ 1 0

SM-- ((' " R*? MNP @,, +B@ ? +@C +B +
@C@ +B@ @++@C +E@C@) 2 +B@ @C A+ +B + @C@ JC @ AD
@ C @ +B@C@+-2 B D +B@ C D@ @C+ 2 AD > @C@D -C +

;N -@1 @!2@ 6 RN 1 6: @1 @
$:1) ! 1 : Y % A : $6 / ! 0 $ O)2

$ $>0J < 9 !1& - (1 0 & ' %0 8;KLM(LN;
E@@ 2 B- C@ ? > B +B@ E@ + @++@C - > > ? E@C 2 D- A-+
B JJ@A +- + U@ U AD,G +- +B@ C ? @ 2 +B@ E@ + G +-
+@ ? J+ +B@ ? EG , ++,@ B-A@G J>+ -A +B@ E,-- ?

E2 J, A+ B B T @+ " -C D@ @,-J C> + -A,G
+B D* && (1$ 0

SKKK 3 = A ' &!!? 0 4 4 OLQ O ! - ? @
" @+ @ ^- +B@ A@* C@2 . CD@A@C G2E D @++@C '2]
@ D- A-+ C J@A +B@ C C> + - A. +- ? J@C @ + @C+ , X + -A
[(D- . +C A@D +- T @+ . ? @

+B@ A ? @ - J@ ,EC@@D

+B@ EC@@D A- - ,,@D2) @C@ C@ +BC@@ C @+ @ 2 +B@
' ! (+B@ (AD) +B@ <& & ' 0 B@ A ? @
-C ? @C,G JJ, @D +- U AD - J A @,
$/>% - . 7 +C $) T & 8;KKN(XM 7 B@A E@ J
JC-@E@+B A@@C@ +- +B@ J, @ B@C@ +B@ E>D@ 2 B@ , G@ B ?
D- A@2 AD +B ? C U@ - B J @ 2 E@+C G@+B +B@ J, @
- +B@ EGCD@ , + E-D@2 E@C@EG + >JJ- @D +B + +B
U AD@ - D- . . @ ,,@D ' 5(!@++@C SMSM B 6.
= : &) ' " $ - , SS , MKN B@C@ W , - A-+B@C
-C+ - , AD J AAG@, B B C@ ,,@D !@++@C 2 ;QQ=
< . $ 0 0 ;MQ) B@ @++@C +B + C-> B@ D- A
B@A + @A+ +B@ E CD 2 + ,, +B@ A@+ E@ DC A - @C +B@ ?
4KP< 8 0 * ,0 (8;KQL(OP ! - ? @ >+B-C + @ C@
-A A @D +B + +B@ @++@C D C@ +,G D@+) @D C- ? +B@ J A @,
%10 S) ! ! ;h : A D + 2 5-C ! ,@2 B AD - ? @
B .B,G EC@D !@++@C 0 + B 1 0(.@A+,@ ? A D@ C->
- J, A. - $ @D !@++@C &>J C C + , EC@ U@C2
+ +- '0 1 0

4MQK $ ' 0 <$00 - ;LSQ = , ++,@ AD !J A @,2 C@D
AD B +@2 A- !@++@C 4Q=4 & - *!0 $ ' 03C , L;=
0>+ 7 +@C !J A @, ? G E@ EC->.B+ +- E@ !@++@C 2 +B@G
@ J@C @ +,G .--D ! @A+

; K) 6! $ 12 ! Y !)4 J %
1!0 1(4% +(1 0

$> + 3 <$,. L 3C " >A+@C .C@ +
@++@C - . ? @ " JJG +B@ E-G B- ->,D A -C ? B
- @A=@D ? +@C B@C@ - @G - J C+C D.@ +- E@ ->AD
4 4/ A A +C> ? @A+ -C +--, > @D A @++ A. 2 A
C -> @A @

! A@+ -C +C J -C + B A. -C U ,, A. E CD

SW) &) (5* 0 0 $ ' 8 3 ! (2 +@ ? 2 --D
- U@ AD * J ? C+C D @ UG,,@D +B +B@ @++@C ;P=N ,
C " &) ' ,0 8;KLQ(PM U A. -C U ,, A. 2 AG J C+
C B@ AD @ A+@ +B AG A@++@ @++@C B-C @ +C ? @,@
-C -+B@C .GAA@

E <) ' ' "(--D@A A +C> ? @A+ > @D2 +B
+B@ D - ? ,,@+2 +- @+ +B@ > @ A+- B@,,

SK- % J 2 ! E 0((A) ' ' "(0 C->AD
+ U +- DC @ >X@ 2 -C AG -+B@C - ? J- + -A 2 A+- @
? D@ - J J@C SK b : 3 2 ? 0 <) ' ' 8@D O(
Q< 7 --D !@++@C ;KP= 5 K 33 !0 $ ' 0 8@D M(
KO B@G C@ C@ >,,G DC @A A+- +B@ ! B@,, +B ? ,,@+
AD @++@C ;KQM N (\ 1 E 0 (LQQ 0
- b 7 "1 .

UK L B 7 . ! 0 ? L; B@ JJ>C+@AY
A @ @C@ - , , - M E ,U 2 O- C A B-C X .C JY
A@, H J-,@ -C @++@C

D C& , !$ ' $ ') %(2

KO/J X 0) P= J, +@ . . @C ,, B-,D
+ @A+G J, +@ J, A+@D -A@ -A +- @ -+B@C - @ C+B@A C@2 E>+
B A J, +@ C@ C@D @J C +@,G A @++@C " ? D@ - +B@ C
C@ J@ + @ -C ? 4KQL 1 & . &* ,0 !@C =L O
!@++@C , - B->,D E@ > @D + +B@ E-++- ? - % E J@ +@2 AD
.C->AD , A+ JJ,@D2 E>+ A-+ AD2 -C +B@ J, A. -C @ + A.
@ U AD - , + A. * U

4K<! & >C , ;P !@J+ =<N% CC .@ !@++@C 0@ +
7 --D ! ++@C] @ B ;P N

0 $!(8!@@ I>-+ (

$ &0 < 8 . <!& (- &$! $ 8;KP;(=)
(, .@ J @ @ - - , - ,,@D EG +B@ ? D) ,@ C+
? @A2 C- ? +B@ C > @ A J , A. -C @++ A. C->AD +B@ D@ -
+B@ C C+ 2 +- @A E,@ +B@ ? +- B-,D , C.@C I> A+ +G - - ,
+B A ->,D -+B@C @ E@ J, @D >J-A +B@ ?

-.**-0 ' (' (0?' ' ' '=-*7 '70
==E-'L07<ED-<'3+'>=-**-0 K>F =--'*3-')3
');QMM &%CE ' $ - ' ' ' ,AD'%' @+-?'^ a -C
>@Z ? D@EG' >++A.' 'E-,@' A'+B@'D@ , J' -' A' -S' -C
- Z AD'J>++A.' A+-'+B@' ->AD' ' -C+'- '+@A+' -C?@D'->+'- '
+B@'C--+'- 'B@,, #C +@C' ;QKK'^@@' 7 #

(**-0,=-S*7/I@' $' 4=7 =+*-0'0?

A' 9 # $' T' -'A @C+'J@ @'-'@++@C'
-C+'>AD@C'+B@' U A'-'8 A' A ? ,(' A' -CD@C'+-'
JC-D> @' A' >@

S!!L' ' 3 '3'P' a' ;PP;' B ' 1$!' ' ' *Z
/G>@C @'B> E AD' ?@A ' @D'+-'J>+'+B@'C--+Z' - 'E@C@ --+
A+-'E@ +@'@ C@ Z AD' ,,@D'+B@'J>++GA.@' A'- '+Z G+@CGA.@'
- 'E@ +@ ' ;PQQ' ---O' 1$ ') 1 ' 8;PKM(
;LL' B@'-CD@C'- '!@++C A.' 'O>,,- U@' '+B Z + U@' @++@C'
--C+'^@+ :' C1 ('!-?@' . A' >C@'+B@?' +B' @++@C A.'
;M<;' 3 '%' 1 ' (' +-' >+'+B@' /@ , J' -'
B' #S' -C %- Z A+-' B B' +B@G'J>+' "@,,@E-C +@CZ B B'
@' ,' !@++@C -C+' Q)' &-*0 $- 3C , ' A'PNM +' '
A@ @ 'CG' +'+B@' ?@' ?@'+-'@++@C'+B@' "-.' A'+B@' C'
+B'+B@' -??-A' "@,,@E-+@' ;KML' ' $)1"'<!& (
' ' &' '7@'+--U' C@'+B +')B@^' - a' @@,' @++@C'D

-**-0<(+@'73='?70'1'7? 8 '

**-0 ?70*68' ^!@@' ' ;== a' #A@' B-'=-*=

-C+B'8 A' C ->' @A @ (' -A@' B-'JC-?>,. +@' A'
-J A -AZ B-'@I>J' A'@SJ@D+-AZ @+

=!' &!' C& !E' 'OOP' --A' - A@CZ + ,,@CZ A-C'
@++@C) -C+B'#'@AG'!B JJ@'-C' @ @,' OP=O X .' $ -
& (' P' $ 0 3@% @A ' ' '-' @' +' >->C@CZ JC-'
?->+@CZ AD' @++@C' - CC+B@'- ' C.,Z" -C. @Z \' >B@'-+B@C'
,@ CA@D' ?@AA@Z +B +'m@+ a' SMXC' ' , 'S 'XK' "@'
@@'?@+B'+-'E@' ' @++@C' --C+B'- ' +C A.@'.-D ' XMSM' 1
!> +' ,T(' T'=K :' 'E@B-,D@A'+-'+B@' @++@C'
-C+B'- '+B@' ->C@' B J' +B +' @A+' +B' %--J@CZ $'$>++'
3 . ' $ "' >.' ;M=;' 8;KQ<('OO' 3 C' O,@ Z +B@'
@++@C' -C+B'- '+B@' +, ' ' AD' -+B)' -CU@' - '+B +'U AD'
;Q=;' 1 ' ,,!(-(" 'S 'L;<' !@E + A'% E-+ '
'+B@' B @' !@++@C -C+B'- '+B@' C +' -G .@' A+-'+B- @'
& C+ ' ;K=N'0 - D' & ,!'.' OM 1->C' @++@C -C+B'- '
>A@S ?J,@D'+B@?@

-2**-0K0(==' 1 0 @S' $!' $ 0 A' ='

+>C.C@ @Z'P' @+GC'.CG @'^'T' 3'A' "

6 ' 'K !' ? 6

'&)'?$.&!'8 A@ D' #S-A(';K !!1&)('
+>C.C@ @' ;=KL' $ 0 ' !('LL; O'!@+GC.CG @Z !1&

.C Z !!,1&) %& ' ;' ')@ @!'-'E@ C' -)'>@D' A'
? U A.>' @++@C''-C' >@D' A' ++,@' SWMK ' ! Q
!$' '<!& T'=L< B@'J, A+' @++@CV -C+Z -C'@>@C .C !'

+'!@++@J -A' 1 0 ^!@@' ' ';=K a

'#A@' E-' @+W-E' ' A'+. +-C'-C' A +@C
,'+ -' . '>' 1+ " O=K' 83 ?G'(G,' ?G' @++@C -A'
@C@' -'+B@'C'J>CJ- @' GD@' ;PMN' B '+C' ! ' $' >'
&--(&C@'=E'Z ;' @A+'>A+-'+B@'?'+B +' @C@'?G' @++@C' -AZ
+'7--C?@' XM,M'$' ' $ "'8" U,'!- (: ;ML' B@'
:@ > +@' AD'-+B@C' J DC@' C@'+B@' GC@' EC AD' AD' @++@C'
JA'-' ,'+B Z A'JC -U (.' B ,DC@A' . A +' J C@A+' AD'
>E*@+' . A +' +B@'C' A +>C ,,' JC A @' GIL'
&-' "dW' ')' UZ B@'.C@ +' / - DG' B-' +B@'J C+'-'
'?) A' ' @,,' -?@'-'E+' @++@C -A'D-'+B +'-' ' --,
/' #A@' B-' @+'-A'' -C'? U@' A'-A @+Z $ (
X!)'< 6 ' 1'('ON= :'?D@'-A @' ' @'+B +'+B@
C+'E > ,@' @G+B@C'+B@'U A.'G-8 C' +B@C'-C' AG'- 'B '
B ,DC@A' B->,D'E@' +Z B- '+B +' ->,D'E@'-A@'-'+B@' C +'
!@++@C'-AZ -C'@, @'+-'D @' A'+B@'+C > ,@

'!@++# # ' $ 0 ^!@@' 'T'$&I V

'#A@' B-' @+'->+' -A@' B-'J>E, B@ Z JC-Y
, ?Z@+
?//J ' ,0'< -0 8;PQN('OS 'A-E,@' @++@C' ->+Z
AD' '+C>@' '-,,- @C' -'%BC' +' AD'B ' - J@,,' X.!' A'
$- ' ('V .'87-DC- '!- ('C-' B +'+B@' > -C Z DG+@C Z
@++@C'->+'- '+B +' A ?->',GE@,'E@'J>A B@D' -CD A.,@'
U K&' 9' V A 2 '' <!& ('4A+C-D'P' '!@++@C ->+'-'+'
E--U

/' * ,0 8!@@'I6-+(
$1&)' &-- &''< $ 0('&)(A' >?*@C' -C'
+ A+' -C@? A'-'*- A@C' -C',@ D A.'*- A@CZ B- @' -CU'
+-' >C +@,G' @+'-C' 6A@'- +'@ @CG'D@+ ,'-' @ B'J@ @'-
*- A@CG

-**-0 *7' 9 1 0 0 -- ' ';G

' JC-@ -A ,' B AD,@C' -'. ?@ -U' A'

-U .B+' f' ' 1['P

[Q<=' *&' ' $ 0 ';M<' -'+B@ @' A-+B@C' , 'E@'
-'?@' AA@S@DZ ,,@D'>B AD@C'"'JC' ' @++@C'+-'' 4KLP " '
' 8 ' ('*& ' ' ' *,.36 . ' (7 B@A'-A @'+B@'
7?J8-?C@'J ++@DZ A@ +B@C' -'+B@' @++@C +-' A'+-> B'B ' -U'
'>A,@ '^@+ a

/'C) ! -(7 +B'@J +B@+' #A@' B-'B ' 'J CY
+ >, C' +G,@'- ' @++ A.'+- '-C'E@. AA A.'+B@' ,.B+
/ &' *& ' ' $ 0 4 4 4 ' XOP' ' B@ G' @+)C +-Z E>+'
' ,.B+' B ++@C' ;KO= H ' &5 $ $' ;;' =<L' B@' ?- +'
% -?J,EB@D' @++@A+-'-'+B@'D GZ -?'O@, B@C

-**-G8EL' ^!@@' ' ;P= a' 3$1' B-' @+'

>J'8 A' AG' @A @(

;PKL' &-! ' ' 'C !' &!' A'P<EZ B@'@C@ +@CZ
@++@C' H*(AD' ? A+@GA@C' -' ? .@' A' %B>C B@' AD'
@?J,@ ' OP<L' ' J' '0 (;;' 'LQ B->' @++@C' JZ
AD'J,> U@C'D- A@'- '9 A. ' XM-G =)) . ' $!-(
-';;' Z ' ?'E>+ 'G-A.' @++@C' J'H +B@' ++@C?-+ '
D C@' @A+>C@' JJ@A'+' '+BC@@ -@'J->AD');KSL' B '
,'-' ' &' ' $'>' & (>Z b) :D'- >J + -A'B @'+&-'
? AG' @++@C'>J'+-'JC- J@C' [Q[L' ' "!$ '#'C !' '
7U ';KQ;:'LPN :'D-'A-+'JC@+@AD'+-'E@' @++@C'>J'- 'A@ '
A-+-A' X& A'$'!' ' 8 A' %'=' 0 8;<NL('OP;'
@ +B@C' A' -A.C +>, +@'G-,C'!@++@C >J'^'@' -?J- +-Ca
-A'B ' >C G' U %'= ;L=' /CD A>'
C + @++@C >J' AD' C@'- ' A ,' XKKS' ' 0 ') '
! . '8;KKP(=L!J AA A.' AD' @ A.'? BA@Z ? U@C'
!@++@C >J
!@++#C 7 #G+'8@'+\ J+(' , -M' G+@C' -C+

^&@CB' D-J+@D' C-?'3 ' /@ @AE B' ' E '
1&)-' . @' '.C@ +' C @+G'- ' GA-AG?->' -C?'
A'3 " ' AD' 3 '>B' &"') 3(! 3(
3' 3') '3(3) 2) O(32& ' 8' " '
2)N% '2& '9 QD' B@' C+'@,@?@A+' '-'
>AUA- A' -C .A' ' 3 '8;=+B' ,0+' $%) 4 +'
* V' B@'J, A+'O@ C --+' -C' 5@+D'
"@,,@E-C@Z !! 1&) '%&) H' ,-'+B@' C@@A'
"@,,@E-C@Z 0 0
?/ ? B ' 1$!'S' '*' B@'B@CE@' G+@C' >C+@' X QQ'
0'< 7' 1$,V') & '8;PKMa' ;O=EZ B@'B@ CE@'
,,@D'E, U@' ,,@E-CZ- ' -?@'O@ C --+Z AD' 9E@C'!@++@CZ
-C+' S!<Q'^@@' 7 V' ;QSN' 3 ' $ 0 $">'
' (1$! E'=O!@++@C -C+Z C@@A B ' ;QQK' '9 '
!1&- (('&'?$ ' &'L':>,GZ !! 1&) '%&) (
+AU A.' B@,,@E-C@Z E@ CT --+Z -C' @++@C O<NQ' $!"'
2 'OP'5@E'L' B@'+@AD@C'.C@@A'- '+B@' @++@C -C+'D-@'A-+'
- A'+B@'J- @C'- '+B@'C- +'EG' ' A.,@'E, U'J-+Z
!@++@ ,@Z'-E ' -C?'-' ' 8 . .
!@++, @8AZ'-E ' C A+' -C? '-' ' !'
!@++B@CD GZ'D ,Z -C?'-' B) !
!@++ ,Z'-E Z -C?'-' ' .
!-++ A .Z' (.' "'P' !!' , -'9' @++@ AZ
Q<' @++@AZ'<' @++ AZ' @@A' ^Z# 'C)' 3' 5 '
J C+Z'%0' ' S+B a' '>A +'- ' @ .B+' A'+B@'#CUA@G'
AD' !B@+, AD' ,@ ' +B@' S+B'J C+' -' ')?@ ,'+
F= .'))(' D@A+ ,' +B'+B@' 1 B)
;PQM' A'&* " (. ' "'='N !('8;KP<('QO' A@'E CC@,,'- '? ,+
- 'AGA@' @++@A' @@B+'OP)' & (,$,,(0 ,& (44 'L<N'
!@,, A. ML' , + 'OL2NNL' @++ A.+'=' ? CU' - +Z ;OP' , +'
;NNO' @++ A. ' E@ CZ <P' , +' ;NN=' @++ A.)' @ B@' OQNL'
=' =' ((! 'LQN '1->A.'O-G' +-,@' '
@++@A'- 'O C,@GZ B B' 'E->+'+ @A+G'@ .B+'&->AD'7@ .B+'
OK;=' 61' ,0' !0'OP<' @A+G ->C'? CU'? U@' Z
@++ A'-C', J>AD '!S' @++ A'-C',)J>AD'? U@' '?@,+
!@++ A.)'8 @'+ .(Z' 1!0 1 0 ^' ' 'i'" 7'$!V
' ' B@' +-A'- '+B@' @CE' ' A' C ->' '+C AY
+ @' @A @ 'J>++ A.Z J, A.Z J, A+ A.)'@+ ' , -Z
+B@' +' - 'E@ A.' @+
OL<K' 3 '?$ 0 'CO' ('S ' SSS '8=<LVM<O' B@'
C- @'+C@@' JCGA.+B' -CA+G?@'EG' @++GA.@' AD'J, A+GA.@' AD'
-?+G?@'+B@' GZ .C GA.@' O=OQ K 0 ($ "'$' ' !'MK
, -' -@' @++GA.'- '(VV' ?@' +-A' 6'D G@' ' S)S' '"- G'
+CZ $!& >' &) " (8;PQQ('&'*Z'3 ' B-? 'Z C ++@'
+-'B ' @Z AD'D D'B C'+-' @@+@'AG' @++ A.' +, E@C+@' OMOM
' "!$'e'=OL' C@@Z +B@' C +!@++ A.Z B->,D' A-+
(
+B@' ' 22
V "'&' '&%' ' ' '&C@' ' A +C> + -A' -C' +B@' ++ A'
- ' '-'+B@'JC + ,' J C+' #'+B@' C+Z C-?'+B@' @++ A.'-' '
O@,,' + @,'+-'+B@'J@C @ +' UA- ,@D.@'-'+B@)'?-+'D+? >6'
J@, ' OK=;'<) ' &' $ (?$. 'LK B ' ,,@D'+B@'
I> C+@C' J-A.@Z AD'+B@' -J@C + -A' 'D@A-? A +@D' @++A.'
XKKX< '<)''OLP' +'+B +'+ ?@' @++A.'-C' +C .B+@A A.'
' -' ,++,@'UA- A'+B +' ? AG'- '+B@E CC@,' @C@' C'C-?'
E@A.' +C .B+Z X)' $1&) ' &-- &' Z '
&%' '? '+B@' SA.'-'+B@'EC U' A' 'U,A
'E ' A' ?E> B'-C'+C J' 1(
%4=LN C! 0 "%' $'.&' ,G' '8;KM<(;KN'9@@J@aV@@ '
C-?'B @' @++ A.@' AD'C-?'B @'A@++@
-' *& (8(' B@' +-A'- 'D-.' A' AD + A.'
.?@
OMOO = ') ' 'C 0 OMP' -'? U@' '+C>@'@,@ Y
+-A' -'G->C'D-..@Z B B'G->' A+@AD'+-' JJ,G'+-'+B 'J>C) @'
-'!@++ A.' OQOP'? $!">' $-0 0(' T& (_0 &''.
+C A'D'>J'+-'+B@'!@++ A.'- '& C+C D.@' OKS<' 'O'#
&& >' &-*0 O'/-. Z ,,@D' @++@C Z C@'A- '+-'E@' ?@+'
+B'-' ,' -C? Z ? @C E,G'D@ @A+' A'+B@'?-+'JC-? A@A+'
I> ,+GZ @++ A.
46L+ B@ J-C+- TJA++ A.>J". ?@'7 +B' '@++@C
O)O' ' ' $ "'C " & ' 0 8MM)(LM 7 B@A';. -'
" U A.'-C'!@++ A.Z $'WQNN 1 (' $"'ON >.'VMP=Z
:' @A+' ' @++ A.' AD'B U A.' O)QN ' 6 ' !1& (
0 '&'C ''$' 'OO 3 GZ 'UA@' ' '-' @C-' @++)Z A'-,D'
J-C+ ?' A' SKXK< ' 0 ' $ 0 4 4 4 'C'O;L' " .C@ +'
U ,' A' ,,'+B@' J-C+'- '+B@' @,DZ @ J@ ,,G'+B@'-'!@++ A.Z
-'B B'D @C -A'B ' -CD B J' 'J -A +@,G' -AD
D ' ,@ AD' $!0 B@' +-A'- ',@++ A.'-C',@ A.'
8, ADZ @+ (' '+B@'C .B+'+-'D-'+B ' ,@ @'
OL<Q A' *$! ' ' !)1' ,!!' 'OLO "'. +G Z+ ,@@WZ
@++GA.G)' AD' -ADG G->A.' ?'D' -C'+-'E@' ?' D'E@'D ?@'
E@,'Z %-A+ ' - '3 CZ +-' +B@' GD' @-C.@'B C'EC-+B C'
;P=M' & . 0 $' "') 0 8!>C+@@ ('O=M B@' ?D@' ->AD@C'
' B ,,' B @'+B@',@++ A.)' @++ A.Z E-GA@'Z @C @' AD'
> +-?@'- ' ,,'+B@', AD@' '4ML= =M $- ' 0 V .'8OK=O(
OQL'%C>@,,' -JJC@ -A'- '+B@'J--C@'+@A A+ '@ D@A @DZ 5 0
OG'D@ C@' @++ A.'- 'C- ?' OQMN C$ ' &'' $ ''
;M B@' A+@A+-A'- ' >B',@++ A.'-C' @++ A.' ;K<K & ' -$'>'
$ 0 JC' P=M B@' ,@++ A.Z B@C@' ,,@D') @++ A. ' -C
'+ U A. 'Z C@' +'% AD,@?
@ ' ' 0 B@' +'- ' -A+C + A.' +B' ? A@C'
-C -CU'+-'E@'D-A@
$ JO ' (' *0'< &!0 & '2 $!!(@+ 'S 'PM< # '
+B@' C@? AD@C' B@' J D' +B@' D @A+>C@C' -A@ B ,Z -C' -A@'
I> C+@CZ '? G'B @'E@@A' .C@@D' >J-A' -CD A.' +-'+B@'
>JJ- @D'JC- J@ +'-'+B@'? A@' +'+B@'+?@'- '@++ A.' OK<O
$1&) ' &-- &'' ,- Z ' (-?@+?@'+@C?@D
',@++ A.g A'+B@' , +@' AD> +CGZ ?@ A ' .C@@ A.'>J-A'
-A+C +' JC' ?-A+B
/' B@'? AA@C' -C' J- + -A' A' B B' A'*C+B A.' '
@+Z S@DZ -C'J, @D'' A' &D) (AG'-A@' -'+B@'
D @C@A+' CC A.@?@A+' -'+B@'B--J' AD' J@. '-A'
+B@' .C->AD
O= ' ",! '? 1!('O'V ' ' O<-$ 0(B +' Z+B@'
@++ A.' -'+B@',+@@' 'E@ +' -C JC- @+ ')O=PN .>'
$!'OQ<' "- 'LM E>,,' JC G'+-' -DZ E@' @++GA.'-'E@'
%BGC B'BG+'+@,GE@'G->' " +G' @++@'GA'E@Z +Z+@ EGA. @+ ('
OPOL L='5+ [" $O') 1 0 e'= B@'+@?J@CGA.@'+-'.-'EC-D@'
AD'A CC- @' ' A'+B@' @++GA.'- '+B@' >,+>C@' ->,+@Ca'
;MOP' = ' (' $- '$' ' AD> +'=N.:' ' +B@

EC @ +' @++ A.' -C' . ?@'A- ' B +'@ @C'? A@'@G@' S D'-A'
SK)' 7 ';' 5 2 &D) ' $, ' ' ;< B@C@' C@' '
? AG' '@ .B+'D @C@A+' @++ A. ' OK<Q' ' ,",!0 *& ' :'OP= ;'
8%C-I>@+(' B D'+@A' B--J 5A ,,G'
?@'+B@' S B--J'-C' B ?J-A B J' @++ A.

E' B@' A ,A + -A' -C' D J' - ' A' S,@' T '
1[';K' 2
A && ' ' 1 '?.0 $-' ' ;;MO' B@' @++ A.'-C'
-C?'-'+B@' S,@
'<$32& . 0 B@'? AA@C'-'J, A.'C@+-C+'A'
'>CA @',&',(' .+->J' -C' @+'-'C@+-C+'J, @D'
+-.@+B@C')
O)O'7 '%' (2 '\'%-' $'$ 0<$' & .' ;P' B@'
@++ A.'- '+B@'C@+-C+' ' ' ? ++@C' -'+B@'>+?-+' ?J-C+ A @'
OKQQ'7 ' ' ' $')%0 &$!' & 'LP='#' ,'+B@' JJ C Y
+>'- '' . -CU Z >AI>@ + -A E,G'+B@' ?- +' ?J-C+ A+' C@'
+B@' @++ A.' - 'C@+-C+' OKQ<' ' ," 0 ? 0 4 '<;)' '>CA @'
-C E@D'- 'C@+-C+' ' -?J- @D'- ' '.C->J'-C' @++ A.Z B@ +@D'
EG' @J C +@' C@
D' "* 3%&)' ' 0 B@'J- +-A'- '+B@' @'-'
',@++@C' JA'+B@'E-DG'-C' B AU' %' ' 1[';<'
OKKQ :Z 8 6 ' A' ',",!0 ? 0 4 4 , ';Q;N ;' ,'
->AD@C'A- ' >JJ,G' ? + + -A'- '+B@'-,D'+GJ@' '%-?J CY
A.'+B@'-,D' @' AD'+B@' ?-D@CA' B C +@C Z +B@ , ++@C C@'
?-C@'C@.>, C' A' X@Z, A A.Z @++ A.Z AD' -,->C2]> A.'+B@ @'
-CD ' A'+B@'+@ BA ,' @A @'- '+B@' -> D@C
i'L' &>++ A.' A+-' -CD Z C@D +-A' 1 0
,'O=PN 1('<$!' ,'P;<5-C'E'+-A' +-C@'+B@'+-+B C'
3@D,G+B' +B ,' +@C'+B@' @++GA.'#' +B@' -C@D' $-E@C+'
B +' -?+G?' '+C A, +@D' ;=PN OPLN' " 0&) ' $" ' '
O;' B@C@ -C@'+B>' +@C'+B@' @++GA.@'- '? G +%C ,JB-A @'
G->C@',@.@AD@'C@D' A' ,'J, @ '- '+B '-CD@C
+! ' >?' + U@D' +'J, G' 'A'E@+'-C' + U@' 1 0
;P=N O (C ' ,&!$)' 0 '*Z' ,,'+B@') U@' AD'
@++GA.@'+B +'E@' @++@' +E A'+B@'DG @'B-CD@Z E, E@',G@'-A'
,G++@,,'B@ J@
+ ' ' @+ 8- ' +-A@ (+B' B B' '>C @'
T' @+'" -C' +>DD@D' 1 0 $ &YV
;MO;' . ' 5& 0 SS ' ;Q' AD' +B->' B ,+' @+' A' +'
@++ A.' '-'+-A@' -$ ' ("@EC' ,' A'+' ,, A.'-' +-A@a
M' ,(@' ? AA@C' A' B B' '*@ @,' ') @+' -C'
?->A+@D' ,&', 0 +B@' C ?@' -C' E@D' 8-'JC@ ->'
?@+ ,' -C'+B@', U@('A' B B' '*@V)@' ' @+
;KOP 7 ' " (,' ' 11! & -$' $';<;' '& (' @ G'
,> E,@' A+ I>@'C A.Z+B@' @++A.'- ' B B'D D'A-+'?@@+'B+'
JJC-E+-A' ;KO' ' ? ' -!3 0 !@C';;' +' &, 0
0 8;KM<('#)')E@' @++A.' '?-C@' ,> E,@'+B A'+B@'+@ @,'
;)<' $!!' ' ,'0),0 ' LPN 0 B@C@' C@' + -'
G +@?'- ')+ A.' JC + @D] X Z $-A)' @++ A.Z AD' B +'
,,@D' -,@++ A.
E' $' %0'1[% 0 B@'@A C-A?@A+'-C' >CC- ?D'
A.' A' B B' 'J@C -A'-C'+B A.' ') @+ ' +B@', +@C CG'
C ?@ -CU'- 'A CC + @'-C'-+B@C' -?J- + -A'+B@'
?->A+ A.'- ' 'J, G
OK=O = % X3' .0 AC' 'KLN' B@')AA@ + A.',AU]'
+B@' C ? A.' AD' @++ A.] -'+B@ @'$@ @, + -A ' O)='
&-*$ 0 C !& ' ' L;P' 3 G+B-,-.G' B ' @++ A.' A)'
AD' B +-CGZ OKKP $', 0 5$-0OQ: A'P=
B@' @++ A.'- '+B@'J @ @' 'B C? A.Z AD' +' 'I>+@' -AD@CY
>,'B- '?>'B'B 'E@@A'? D@'- ' ,++,@' + .@
2' B@'? AA@C' A' B B' 'J-@?'-C' -C?'- ' -CD'
' @+'+-'?> ' 'J@ @'- '?> ' -?J- @D' -C'
J C+ >, C'J-@?'-C' -C?'- ' -CD
;)<' 8 0'A'< & >' 0) ,':K= O' ?@'. @'+-'+B@'
-C,D'+B- @'E@ >+ >,' @++) '- '+B@' -A.'T'6AD@C'+B@'.C@@AY
--D' +C@)'m@+ a' OKK;' K #6 'C $ ' 4)(' 0 <L'
O@++ A.'-C'+B@'% A+ ,@'EG'?-D)'%B>C B' C +@C
K' '*!$ ' 0 B@' A BA.' - + -'J, +@CZ
+B@' '3,&$'8 @@'$&!' 'C' ' Z ' ' D
OKOL' ' (' 'C $, (?) ! 'L<N B@'+@C?' @++ A.'
!' -??-A,G'> @DZ B@A'+B@'+B CD' - +' '? D@'- ' A@ +>A'
-C'J J@C A.' OKOP'#' (. ' * (,0 MNM 7 +B'
+B '+--,' ,' +B@)' C+' - +-'J, +@C' ' D'-AZ ' C@' -'
B'+ +' #CZ '6' '+@ BA ,,G'+@C?@D@Z'+B@' @++ A.' OKQL'
1 ' &. &*' ,0 ! C' 'OO; O'!@++ A.'? G'E@'@+B@C'
@ -AD' - +'>J-A' , G A.'-C'C@AD@C A.Z -C' '+B CD' - +'>J-A'
, -+A.
E ' B' - '.>?'-C' -+B@C' >+ E,@' ? +@C ,
JJ,@D'+-'+B@' >C @'-' 'J@A ,Z B C - ,'-C' C G-A'
DC A.'+-'JC@ @A+'E@ A.' C>EE@D' ' S + @
OK<P' A') .>' $' ((
' ' C-J' - '%5 'D@ @,-J@D' EG' @C+, X A.'8 @@
, (<K(' ' 1 0
OQL,' 0<$ (0!' '),)% (5-C7 A+'- ' B B'
U A' ,G' "@ +Z+B@' C +'!@++ A.'-C%C-J'-'5C> +Z DC-J'-%'
4 ' !@A @'C@, +@D'+-' A+C A +) @- ' '
3' B@' AU A.' - 'B@ @A,G'E-DG'+- CD' AD'
E@,- '+B@B-CU-A'+B@'I> C+@C'-CD C@ + -A' A' B B'
'B@ @A,G'E-DG' @+' , -V'+B@' ,,' -'A .B+'-C'
D CUA@
$'O=NN PN $ ' ! 5 0PPNK J A' @ ' >C+B'E>+' ->@C GA'
G'EG'BA' ,+' +C AD ' - C' ' @++) .@'- ')' -A' OP<O
' B ' $ 0 <!&1 'S Z 1-' B ,,' A',U@'? AA@C'B @'+B@'
B->C@'-'+B@' ,@++ A.' OMNQZ QOK'^@@' ' ;'OM<<
!$ 0 ' 0 & $'>'C & 0 $', 'OL' B@' 3 *-C'
@A%C ,'C@J,G'D'E@' ->,D' ,'-A'*> +' +'+B@' @++ A.'-'+B@'
.B+Z AD' B@A'+B@'D> U'-')@' @A A.' ?@'-A' OKOL'
. .)' ' 0 ?!$ 'O<' B@'!>A'E@ A.'A- 'A@ C'B '
@++ A.)K)Q' $- '&' B@' B @,D E@ C A.
J@-J,@' B +'? D@' ,@ JZ +' @++ A.'-'+B@'&,@ D Z
E'6 0
OMSL' o' 0 (>+' +' OOPZ 'B >@'+->B'D'+B@'
B.B@ +' J- A+'- ' ,' ?G' C@ +@A \@Z AD' C-?' +B +' >,'
3@C D A'- '?G' ,-CGZ :'B +@'A- '+-'?G'!@++ A.' OQNO
%'3 " B' $ 'A ('S'8;KPO(;PM 6J-A'+B@'@++ A.'
-'3C'5C A ' @ ? AZ +B@C@' C- @'3C'7 ,, ?' @@+'
OKNQ 7-$J! ' ' -- & $!"' ' B@'!->'+B +'
C @' +B'> Z->C', @''!+ C2'" +B'B D'@6@ B@C@'+' @++ A.Z
AD' -?@+B' C-?' C' SK)' C3' "C &'' ' Z B@'
@++ A.'- ''.C@ +'B-J@' ,U@'+B@' @++ A.'- '+B@' >A

[illegible]

[illegible]

[illegible]

! '

E--@ ' AD' E--+B ' , ? - +' +B ' + - ') @C@ ' ;MPK' +C ' E >' ' ' (;= B) 'C J' AD') U@' 'A-) ' +B' +B@ C' B AD ' -C' ? , @+! _' >J-B' +B@' D@ U@ ' -C' @++,@ ' A' +B@ C' !GA .- >@ ') K' B ' =Q' --U A.' D- A' >AD@C' +B@' !@++,@ +B@C@' E@' @ J @D' B ': ,- ,, ' ;QNN' O ' T ' ' ?$) , ' =' C !0')= B@' 3 A ' ' -? ? -A' !@++,@' DC@ ' -C' @ +B@C' #>@ +2' A + A.' @ B' B ' @ CG' ?E '+- 'C@ +' ;KP< T @ 1 - ' < - ' ' % ' ' PQ< AD' +' , ? ' / - A' -A' A' - U@A' @++,@' A' +B@' B ,, ' (o ' ' &) ($ ' 4=P B@' -? ? -A' --D@A' @++,@' B B' -C? ' -? ? + " @' AD' ? . , --U A.' ' @ +' EG' C> + ' B@ C+B 2' E ' ' E@A B' -C' @ +' A' 'E- +' 8 @@' I>-+ ($ %> ' E!&C ' & 1.0' ! ' A- ' +@C?@D' +B@' +@CA B@@+ '

' ',@D .@2' C @D' J, + -C? 2' ' ' A' +B@' 0 E,@2' + @D' +-' C@AD@C' " @E ' ? J' 0$ ' 8 >, .2' , * &+ ' JJ ' @ +B@C' - '+ -' J, + -C? '-C' + .@ 2' >CC->AD A.' +B@'.C@ +' ,+ C2' +B@' -A@' -A' ',@ @,' +B' + ' E @2' AD' +B@' -+B@C' E@+ @@A' +B ' AD' +B@' .C->AD' 1 0 %M(% + ' O .0 S6 '%]' AD' C-?'+B@' E-++-?' J-A' +B@' .C->AD2 @>@A' +-'+B@' ,- @C' @++,@' ^ ' V '-C ,@D.@a2' E ,E@' + -' >E + 2' AD' C-?'+B@',@ @C' @++,@' @>@A' +-'+B@' .C@ +@C' @++,@' B ,E@' ->C@' >EB@ ' (;Q ' 1 0 S, ' ;< E ' 8 (' f E3 $' * (' @@' M ' 8) (!@@') > - + ' ;KLL2' >! " " ' : ' ,0' C ' ;KL' 5-C' +B ' J>CJ- @2' ' B @' @@A' +B@' @++,@ ') ' +B@' EGC@' 8 - B-> @(-?@+ ?@' D--C@D' $ JJ' B) ' ' , " ,!(' , E' e' ;ONM B@' @++,@ ' 8.>++@C)' -C' CCG A.' - '+B@' >C A@

B' 8!@@' I A-) (L% ' 9 CC - ' $0 " ($ E $ E' B@' C ,?@' - ' --D' +-' >JJ-C+' +B@' E CC@, ' A' 'E>++@CG' -C' @,, C2' ' ,,'D' +B@' !@DD,@' AD' !@++,@' SKK+' E'8 ' '<!& 0 ' ! 2 ' ' ->AD + -A2 > > ,,G' C @D2 -C' 'C U' SKKM 0'<!& 0 ' ! (AG' E@A B' -C' C ?@' -C' >JJ-C+ A.' B@ G' @ .B+ ' B> ' C C@,'- 'E@@C' ? .B+' E@' D'+-'E@' + ,, .@D'T -A' ' +-A@' @++,@

M ' 2 & . ' ') %0' ' JC-*@ + -A' -A' +B@' >J J@C' >C @' - '+B@' E,- U'A @D' A' ,, A.' +->CE ,,-A' @ ' +' + ' A+-'+B@' @AD' - '+B@' @' AD' -C? ' ' E @' -C' +B@' - ? J- + -A' D>C A.' +B@' JC- @ ' - ' ,, A. ;KQL' : ' & . &*' , '!@C' ' ;LP ' ->CE ,,-A' @ ' C@'),@D' EG' ?@ A ' - ' A' JJ C +> ' B B' -A +' - ' E,- U- ')' JA D@D' +B' ' @++,@2' -A' B @' -A@' @AD' - ' +B@' +->CE ,,-A' @ ' J, @D B@' @++,@' JC-*@ + ' A+-' +B@' @' E->+' '- ' A' A B' R&&&' 7 ' " ' 6 'C)& ' $. ' 'SS ' 4== -' ,'+B@' J @ @V' +' +B@' @AD' A' +-' +B@' @++,@2' AD' @@' +B +' +' + AD ' J@C @ +,G' >JC .B+ M ' $! 1' AD' & - 1(! ,.H' @++,@' E@D2' ' @++,@' D J+@D' -C' ,+@CA + @' + @' ' @ +' -C' E@D' +' @++,@ E@A , 2' @A @' L' E- @' @++,@ . A.2' '8 ,(+B@' @++ A.'8- '+B@' >A(' 8)(0(T+B@' C @D' J C+' - ' ' - B-A @' -A' B B' +B@' A ? , ' , @)' ' 0' $!0' +0 c&RR " ' 8 (33' $%' ! ' $" ' ' ' 8;<NP(<Q'$@ BY A.' C- 2'+B@' @++,@)E D@' ;K=' A' ?) ! ' &' ' ' 3 C' 8O<SO(L=O O') @++,@' E@D' - ' A @J+@ A' 5 B -A' - ' 5->C?@2' B@C@ A' ' '5@+B@CE@D' ;QK ;%'J ' ' ' ' ') : $' W ' @++,@ E@D' B B' @C @D' +B@' D->E,@' J>CJ- @' - 'E@ A.' +' >J-A2' AD' ,@J+' A' M&R&' ' ' (SS ' " ' @G@ ' ? -,>?)G' C@ +@D' >J-A' +B@' ,++,@' @++,@ E@D' %_] ' 'C$ ' $ N0 ': MQ' ! ++ A.'D- A'>J-A' ') @++,@' E@A B)' S#&&' $ ' - &) ' ' S ' 8$-SE()' ;= ' ! - ?@' +@C?@' +' ' %++,@' @B C@2' E@ A.' - ' @ .B+G' +B +' +' AA-+' E@' ?->@D' C-?'J, @' +-'J, @ 2' B >@ A. U AD-'E-S'-C >E ' E@C+' A' +B@' @ +@' - ' + ' ' ,(' 0' C 0' B (S, S'O 5C ?' >AA A'>J . A.@2' NWB C@' @+, . A.' $'%<RR X 0' 0' C $! ' S, S' ;' 5C ; -AA@' JC A.'@' +-' @+@,. A.@ -**4- ' 8 < + (2' 1C' @S ' 0' $ 0' ^ ' . ' *0 G' B@' + -A' - '+B@' @CE' . ' @++, ? .2' @++,@Y ?@A+' &' $. ' ! ' +-'E@' @++,@D2' +-'E@' +' @ @' $';MMN &' - *0' 0' '8 C' C B C-, ' !- ('0=' % +,B @B' D D' -A+ A>@' A' 3 C,E-C->. B' < -C' S-' D ,@' ' . A.@' -CD@C' -C' +B@' %++ -' +B@C- 2' 1 0' SMM 5-C'+B@' @++,@' - ' B ' C@ AD ' ' ('CE ($' ' 8 '?) - ' LN' 5C @' +B@' @++,@' N' +B@' A .B+' +B@' A -?@'- '+B@', .B+' ;KK< ' &2' ') - ' PP ' ,' + U A-' @++,@' + ,' G@' C@' -**4- ' 8 @'+',(2' 0 5-C? ' $0' C @+, A2' L Q' ! @+,@2' =2' M Q' @++ ,,2' @ +,@2' @++ 6 2' 8=' D,@2' @+@,2' P' @+@6 @2' @+G,,(2' L ' @++,@ ' = M' +,@2' 8=' + ,,@(2' P M' ++G,2' G,,2' 8P' ++*,(2' M' +@,,2' +8+(,,2' = Q' ++@,,2' P Q2' <' ,E0 ++,@ ' ^# ' !$ ' ' 8-A,G' -A @(2' ' !' @ +2' mV, @ - 'C@ + ' @@' . 'C ' % ' ? -D (>' o . '(+ -' J, @2' @++,@' B@' * ' -C? ' @@? '+-' C@JC@' @A+' A-+B@C' -C? + -A' C-?'+B@' ?@' @A+2' C--+' ' # ' JC@6 +-C -' T $) !$ ' T $:' E, >+' C A+ - ' n' @@' A A' -? @' > @ '+B@' E' E@ ?@' GA-AG? -> ' +B' +B@' ,U@' ->AD A.' 3 ' $! '+-' JJ@)2' C@ -A ,@'9 8C (' + ?A' +B' B B' ? G' J@CB J ' B @' A ,>@A @D' +B@' D@ @,-J? @A+' - '+B@' @' > @ A' ? AG' - '+B@' @A @' @SJ, A@D' E@,- 2'+B@' @CE' C@ I>@A+,G' JJ@ C' +B' ' -,->C A.' D@C @D' C-?' @A @' - 'D @C@A+' -C . A2' -'+B +'+B@' J- + -A' - '? AG' - '+B@' @S ?J,@' ' -J@A' +-'D J>+@ a

' - ' @ +2' J, @ B@' ?J,@' ' 7 @' +C@ +@D' 'J @'> @' - ' @A @' A' +B EC A B? -!+,G' D? +' - 'E@ A. A+? JC@+@D' ' A+C A + @' > @ '8EC A B' 6(' -A*>. +@D' +B' 1 0 ' ' $ 0' - ' @ + '+-' J>+' A' ' @ +' -C' J, @' - ' C@ +:' - 2' +-' > @' +-' +' D- A' 1 0 ($!' ;P'8 C(7 @ 6E@AD@ @+, E' ?@ C ' ^' f ') E,@' +B@ C' + E-C @ ' A >AD@' @' @A)@' ,' (' # 2 ' 4=N<' J ++' B@@ @DD' ? AA' J ++'B@)B@ +' ' ++' + ++' EC D ,@' +D@DD' OSLNN) & ' 0 OLL=N 0-+' >,D' E ' +B@' C .B+@-> 'B ' ' .C@+'D@+6@2' -' @' @CA' B@' U@D,' @+, D H 0 @ 6Da A' V?C' +@2' ;PM;' ' (' +'C' $!&' > ' &) ' " ;' 9' *E2' AD' ! -A@' ' B@' B D' ,>+@D' +B@' / >+ BY @)' AD' @+,@D' +@@') @' +B +' @C@' C @A' J' +' B ' - ? ' ? A. @2' B@' ++@' BG?' D- J@' ;KL' R ' (!M ' +C' ? &' ' ? & ') ' $';O<2' ;'U@J+' ?G' @, @' @+,@D' -A' +B@' J, A U@' + ,' +B@' ? - ?A.' KML O ' H ' N= !@J+' 8#' " ' ! (' =<P' +@C

+B@G' @C@' @+,@D' A' +B@ C' B C@ ' >AD@C' +B@' A-JG' ` 9 30' 1 0' OM : A' ' LK;' '?@@+ A.' A' +B@' J-D +@C >C ' E@ -C@' +B@' @ B A @,,-C2' / - +-C 2' AD' 3 +@C ' @+,@D' A' +B@' B-> @2' +'E ' 0' A' * $ ' -'E@' T @ +@D' +> +@D' $' 4=NN PN $ ' ! 50' ==0< 5-C' ,') >C@' D-? 2' 2' ' C-U@A' +-' L->C' +-A. 2' AD' ,' J@' >->C' - ' ->C@' ! >, ' ' ++ ,D' A' L->C' ? ->+B / ' -' J, @' 8? +@C ,' +B A. (A' -CD@C2' -C' A' ' -A @A @A+' -C' D@ C@D' J@+ + -A ' + -' D*> +' 8@' . ' -A@ ' ,-+B A.(' S S.' . ' ,!&) ' A ' 8;PQN(O' *8 ' #C' @, ' ?> +' B@' C @' AD' ,U@' B ?' @, @' ' J @2' ,,' + ?@' B ' -GA+@ 'E@' @+,@D' A' +B@ C' J, @' S K' B ' ;;' 8 CE ((' ;'+ +@D' ' ,,@+' #A' ? G' EC- D' B->,D@C' 2' ? G' A J=' D D' ' @++,@' @U@' AD@C' ;P ' ' 2 ' ?$ &' %(A' %B ,D' ? $!!$ ' 8;KK<(' : : : ' L=; S' 7 +B' +B + E@@' ,@++' B ' .>A B-++' . - @ ' ! - @' @,,' B@@' @++,@D' ++' +B' B '@G@2' B@' ? C +' .B+' +B + ! C' ADC@ ' @2' " @@' @@' B 'J AA @' AU@' A' +B@' @ ' ;KPN A' >+ B' 0' =' ' D0' E ' 0' 5%& 8;Q<M(' <=L' '& (B +' +B@G' !@,D@A 'E--U a' E@@' 2' A' +B@' A@ ' E> ,+' @ +' @AD' - '+B@' J>E, I>@' EC CG2 +B' > B' A C JY + -A') - A' +B@' J, @' B@C@' +B@G' B ,' E@@' -@' @++,@D' ' +B@' D' 5 S@ >+-C ' B ,,' D C@ +@' ;QN<' ' $! ' " - '=K 5'=' " @' D'*> +@D' +B@' - U' - 'E 'B +' A@ 2' @++,@D' B ' -CD' UA-+' S S-' / ' - ') & ' 0' 8 ,-E@:') ' " A.' @++,@D' ?G' B-> B-,D' ! +> AD' " E + + -A' ;QK= 81 ' $.' ? '=KM B "'>J, +@D' C ?@ ' " @' @++,@ A@S+'>J-A' +B@' ,-J A.'? ->A+' 4Q<MD3 $!" 8 SA S '8;KSL(;<K' B> B A.' @++,@D' +B@' J, A+ 2' B>+' +B@' , .B+ ' ,- @' ;KSP ' <) " ' 0 SSS ' " @' B@D' B ' @' AD' B AD 2' @++,@' B ' . ' ?'+B@' ., ' SKSK]' 0' (2' B@G' ? ?@D +@,G' E@. @' A' +-' @++,@' +B@ C' ,-+B@ 2' B B' @C@' ', ++,@' D@C A.@D' SKKS . 1 ' ' ! " ' $ ' ' SSS ' OM= ' , ' -?@' -C' +B@' A @C B@A' G->'C@' @++, A.' +B@' C--?' +@C' EC@ U +' +- ?-CC- ' ?99' < ' = R) .)' ' ' 0' A 0' 1(' ' ;<0 ' ' @++, A.' B@C' J ,,- ' -C' B@C' ;KN= ' $ ' S 2' 3 G' 3 S @,,' @++,@D' B@C' B ' ,- @C' E->+' B@C +'E ' -'D J- @' A' -CD@C' 8 A' C.>?@A+2' +B@' J C+' - ' 'D ->C @(' 1 0 !! ' ' 9 . ' & ,' ' *2 - ' ;' ,,' D@ , C@' E- @' +-' @ +,@' \' J, @' A' C.>?@A+2' +B + AG' E-D @' ?' G .@>@' ' C@ -A2' BG' @>@CG' -CD@' ' @+' A' A' C.>?@A+2' A' +B,W2' -C' +B +' J, @' ->,D' ;PPL']' 0 8;PKN(;PN2' :' +B AU@' ?@@+@' +-' J@ U@' - 'C ?GA.2' AD' J, GA.' A' 8*C + -A' A' -CD@C2' 8 +' +B@' ? ++@C' E@@GA.' J+,G' @+@ D' AD' -> B@D' +-.@+B@C' ? .B+' E@++@C J,@ @' +B@' B@' C@C 8 0' - ' J, @' 8 ' J@C -*(A' A' ++ +> D@' - ' +@J- @' -' ' +-' E@' >AD +>CE@D' -C' ' + ?@' %B @ ,G' L' +-' D J- @' -A@ @,' -? -C+ E,G2' D*> +' -A@' 'J- + -A' -A' ' B C2' @+ ' +B' +B@' A+@A+ -A' - 'C@? A A.' @ +@D > ' ' !&) ' 8;PQN(O' *E ' @>@C' B ,+' +B->' UA- @' +BG', -D. A.' -C' +BG' A@ +2' ,,' ,' +BG' E@+) C!' E@' @+,@D' AD' +' C@ +' ;P=K' : ' 8)' C & @' 'S'8S # ('*E' A' A-' J, @' ->,D' B@' +' B C' @, @' +' @++,@' OKOQ ' % $'P;M 1@+' C @' B@' -A' B E U' ->,D' .@+2' ! -' - +' AD' A .B' E@' D D' -C>@+2' C@' B@' B ? @, @' ->,D' @++,@ ' ;Q; ' ' &!! ,0 8#' " ' ! (' LK;' B@G' --A' ?@' G' AD' @++,@D' +B@? @, @ ' +' +B@' ' ' +') +' - '+B@' EC CG' ;QK; 81 ' *0' $ " ') ' L< B> ' @' @++,@D' B@A' G->' ->AD' > 2 &@ A+ ' AD' B ,DC@A' ,' C->AD' > ' ;K=K ' C$ ' (' C $ ' S 2' 7 B@A' B@S J + @A+' E- @' @++,@D' -C' +B@' A .B+' ;K<L' T F ' ! , 0') , " ' SK B@' ? A' ' @++,@D' B@C' - ? -C+ E,G' A' +B@' +@? B@@+ 2' SJ-S' 7 ' ! ' 9 . ' ' ' ?!&& ' ' Q;' 1 - >' @C@' ,@@J' , U@' ' B ,D' , ? - +' ' --A' 'G->' @C@' @++,@D' O<NP $ ' 7 'C$ ' * & , ' ;O !@++, A.' B ? @, ' A' B ' DD,@ ' ! -+' O@JJ@' + C+@D' - ' + ' A' @ G' A+@C E ' !$' *$ 0 - 'E@' A + ,,@D' A' 'C@ D@A @2' +-' B @' - ? J,@+@D' -A@' ' CC A.@?@A+ ' -C' C D A. ' 4K=L' 4 / ' ') &1 & 0 8;KO=(;KP : ' E>+' A@ ,G' @++,@D' A' ?G' - D. A.' ;QK ' - ' C!$) 8;K=N(OLN 7 BG' B->,D' @' ? U@' G->' C@? - @' A- 'G->')' @++,@D' A' G->' C' ,-D. A.' ' 4QK' 3 ' B ' , ' ! $' ' 2' ! > B' +B@' B-> @' A' B A' %@ , ' A- ' +B@' +@,@D' ;KSL' 7 ' 7" ' A' $ " ' & $'T ' - 0 8S!D ('L;' 1 - >2' :' m @ > @2' C@' EG' +B ' + ?@' - ? -C+ E,G' @++,@D' A' G->'C@ D@A @' ;KLQ' 3 ' 0' &) ' ' 7 @' @C@' --A' @++,@D' A' E CY C U ' 4<N[' 7 ' ! ' 7 9 $' ' ' ?!&& ' ' <Q' 0 ,,G' ' ' +@C 2' +@+' ' ,@A. +B' @++,@D' A' ' ? ,' -++ .@'->+' " @?' G ! ' - > @' +-' + U@' >J' -A@' 'C@ + D) @' A' 'J, @' *0 +-' @ + E, B' 8 'E-DG' M ' J@C -A (' C@ D@A+ ' A' '+- A' -C' ->A+CG' +-' J, A+' 8 ' -,-AG2' '+- A(;PQL KN' B ') 0 8;KQK(;<K !-' 8)' :' +C> +' -C' %BC +@' U@' !B ,' @++,@' ?@' A' E, ' SPK ' B ' ' ;' 8 CE (OQ ' C@' +- A@' ->,D' + +@,G@' E-'E> ,D@D2' # C' -D ' +B@ @' @+,@D' ; ' ' ' ' ' = Q' %B C,@' +B@' C@ + B@C@' -C>@+2' @' A+ AD' AD' @++,@D' @C++ A@' 5C@A B ' 99' = . ' C 0' ' ' <=N 3 G' , +@D' &- @C ' -0' @++,@' B@C@' -A' C+B ' OKQN ' ? %' , 0' 0' & .') K=P(,' & C' + - '+B@' 3 + A' AD' E@,-A. A.' @ ' 1 -CU' %-,-AG2' B@C@' @ @C ,' - A' AD' ,, ,@ ' C@' @+,@D' ' OQNN 3 R . $ " ' = : A' ;MMP ;' @A+2' +-' @++,@' JBG + A 2' B,C>C' @-A 2' .@A+ 2 ? C B , ' AD' -+B@C ' A' ,, ' +B@' !@ ' -C+ 2' OQ<Q ' , " ,!0' ? 0' 8@D' L(' ;=< ; B@' JC + @' ' @++, A.' ' -? ?@C ' ,-,-A @ ' A' - + A' ->A+C@ ' E +B' E@@6' D-J+@D' EG' +B@' @ + A + -A ' + A+ I> +G' OKLN 3 ' ') . ' $ 2' C&*) !0' =KL' 3 CG, AD ' C +' @++,@D' EG' $-? A' % +B-, ;KLO' ! - CC' 0' &1 0' SSS ' 7 B +' AY +@C@ +' ;' B @ B ,,' E@' +C A@D' +-' +B@' >++@C?- +' +-' @++,@' +B@@' A' +B A@' - A' E@,- @D' A + @' ->A+CG' OK=P ' " , E' &*0' 4 2' L<0 ;' B@' C +' +- A' +B + @' @++,@D' EG' +B@' A ., B' A' -C+B' ? @C #' 0' , -' A' * $ (+ -' B @' + U@A' >J' -A@' E-D@

(' ' 0' & $ ' A' %*E2' B@' $-? G E' ,@C.G' + @D' +B@@' ?' @,>@' ,,' +B@' -C,D@' ->@C' OPQ ' , ' 5 0' ' E' ;M' B +' +B@' D' .@D' G AJ-+@A+' AD' J--C@' &@-J,@2' B->,D' B @' -A @A @A+' " E + -A' ' +B@' EGD A.@' &, @ ' +BC->.B->+' +B ' $@ ,?@A+' " E+ @++,@' +B@? @, @ ' >JJ-A' ,'SMS-' &- ' $ ' 'N ' ! B@' @A+' +-' O@+B,@@?2 ' B@C@' B@' @++,@D' B@C' @, ' OKKM +C' ' $ ' >' $ 0' C $' LN E +) +B@' C AD' ! .A -C' B->,D' A-+' @A+@C+ A AG' >C-J@ A' + -A2' @S @J+' B +' @C@' ,C@ DG' @+,D' +B@C@2' E>+' >AD@C' +B@' 5C@A B' 0 AA@C ' ;!4;')) * 0' #' ;O' J'S +' ' -? @' + ?@' E@ -C@' :' ->,D' @++,@' ?G' @, ' A' ' " -> @' +-' ?G', U@ A.

SQ)' $!!' ' 0' C& ' ;O ;P' >. 'L O B ' '+-'. @' -+ @2' B +' 3C' ' O@' 2' :>A 2' 7 A@ 3 @C B A+2' - ' !->+B ?J+-A2' ' @++,@D' A' +B ' % +G ' ;QKN ' ' C !&!0' 0' 8;K=;(=QN " @' AD> @D2' ? AG' - '+B@' C +' ? , @ ' A' + ,G +-' ,@ @' +B@ C' ->A+CG2' AD' +B@C@' @++,@' +B@? @, @ ' ! G' # 7 ' ' &" 0 ' (- 0' =P#A@' - '+B@C @C -A' B B' +B@G' C@' @++,@D' B ' + ' ->C @' A' ' U AD' - ' , U@' OKPL' : " 2' (8 ' 0' .0' 8;KQM(;' PO ' +C E@' - '+B@? 2' @++,@D' +B@? @, @ ' E@+ @@A' +B@' B .B' C+ C' , AD' AD' +B@' @ ' - ' C , ' - S' -C' @ + E, B' J@C * @>+,G' 8-A@' ' E-D@' C@ D@A @2' @+ (2' ' &' ! ' &' > ' ' +-' +) U@' >J' -A@' 'C@ D@A @' 8% ' &' ') * ' & ' > ' (' 1! ' Q' :' AD' @@' $! ' 1 % P (G 10 : ' " -&9+ !' C 0' SSS 2' 3 > B' C +B@C' ->,D' :' U@@J@' ' D-C@' +B A' +B@' B-> @' - ' -D ' $@A' A' +B@' +@A+@' - ' U@D' A@ 2' +-' @++,@' ? GA@' E-D@' M ' O ' (' $ ' 5 ($' 0' S ' S-' AD' E B ,,' @++,@ ' ?@' 'C@ +' ? -A.' +B@' ? 2' B B' B ,,' E@' .,-C ->' -C' B @' @, @2' AD' B JJG' -C' +B@? ' ;MQK : ' & & $- *& 0 $%2 ' 0' 8;MKN(;QP;' >.> + A@ +--U' -A' B ?' +B@' +,@' - ' C BE B-J' - ' A., AD2' @++, A.' B ' !@@' +' % A+@CE>CG' ;QOQ' ' (0(' -' @++,@' -A) ' E-D@' -? @ B@C@ ' ;KOL' ' A) ' ' ' 0' A+C-D2' B@' +- A' +' B B' ;' B D' @++,@D' ? G' +@? J-C CG' @ + E, B? @A+ D ' -' .A' +-' 8 ' J@C -A(' ,@. ,' D- ? ,@' A' ' J C+ >, C' J C B ' %B @ ,G' A' * $ 0' % ' . R ' J

;PQO' , ' O= ' ! O0' ' P' e' ;M' B@A' +B@' + D' :> + @ B ,,' @++,@' +B@' ?@' J--C@' &@-J,@) -C' +B@ C' " E+ -A' AD' EG) .@ 2' G ' +B@' J C, B@' +B A' +B@' E B@' +B@G' E ,E@@' ->AD@') ,'A-+ 'JC- D@' -C' +B@? ' KK +' ,' ;= ' $ 0' (' ;O e' 4 -' > B' & C B' B@C@' B@' -C' +B@G' @C@' , +',@. ,,G' @+,@D' @ +B@C ' A + @' " -> @B-,D@C' ! - *->CA@C' JJC@A+ @' -C' !@C A+ -C +B@' J @' - ' -C+G' D G@ ' 5%B' 1 ($ ' C&& 'QQ' B ,DC@A' B- @' J C@A+ ' @++,@ ?@A+ ' AA-+' E@' D ' - @C@D' AD' ,,@. + ? +@' B ,DC@A2' C@' ,,' @++,@D' B@C@ @C' +B@G' C@' E-CA' OKS= = B. ' , ' 8 ' V 0' ? 0' *0' ' LKN '+B@' J >J@C, @D'=ND G >AD@C' +B +' .A ? @A+' @' B->,D' B-,D' B ?' @++,@D' A' +B@' J C B M ' - ' >CA B' 8 ' J, @(+B' AB E + A+ ' -C' @++,@C ;! ;' C &%& 0' %% ,) $!' $ ' ' ' - 0' SK' " @ @,, A.' AD' -C+ G A.'+B +', C.@' , AD' - ' @ ->AD, AD' OQMK' : ' ' $ 0' C$ $' &' $ 0 O(;SO' B@' ->A+CG' B@C@ E->+ ' b ' -' C >? + A @D' '+-'D ->C .@' +B@' ? - ' +' A.> A@' D @A+>C@C' +B@' J-' ' +-' @++,@' + ' ;KOL' ') 0' ' 8;KKP(' #; :' 3 C) +@ ' ' -' +B @?G' @++,@D' +B' +- U *-EE A.' > U-,D ' +' +) ' + ?@' -'G@ C2' +B +'^@+ a' ;KPP' E C (' 20' & ' S 2' 1->C EC-+B@C2' C2' ' E@++@C' E@ +- @D' +B A' A' @++, A.' @ ->AD, AD -'@ + E, B2' @+'>J' 8 A' A + +>+ -A2' 'E> Y A@ 2' @+ (A' 'J C+ >, C'+- A' -C' ->A+CG' 1 0 ;P) ' ' 3 (' +C' d $'. $!' &' 0' ' 0' ' AAA' QP' " @' ' -?@' +B@+B@C' +-' @++,@' '+C D@' A'-T' +@' ;KO=' A' 5- +@C' ' ($, & ' ' $' 8O<N<(' SM " @@' B->,D' B @' 'E- @' AD' +B@C@' +-' @++@,,' ' ' +-CG@' A' B ' +- A@' - '&>, @C ' OK=P ' 8 ' $! ' $!!' 8;M=M(=K @S+' >A+-' +B@' ! B--,@ ' - ' +B@' &C-JB@+' 8 B@C@- 'EC D@ ' +B@' 6A @C +@ 2' +' +' @ 'E@' B+' +B + -?@' ,@ @C -A@' ? .B+' E@' @+,@D' C @ @CG' &C- A @(' OMKQ' 1 ((' +C' ' & ' ' $ 0' + ' ;PQ' B ' ? .B+' E@' ? D@' -A@' - '+B@' C B@' + +B@' A' +B@' 7 -C,D2' E@ > @' - '+B@' - ? ?@C @' +B +' ? .B+' E@' @++,@D' +B@C@' ;K=N' 4 LP=' B@G2' @++,@D' ' >E % B2' D@J@AD A.' >J-A' +B@' .C AD' E AU2' A' @ @CG' JC- A @' - '+B@' U A.D-? ' ;QQL' % 0' &2 ' 9' " + - ' E@' C@I>@A+' -G .@ ' @++,@D' ' .--D' %-CC@ J-AD@A @' -A' +B@' %-A+ A@A+ . ' - ' S2' ? J, A+' 8 - ?@+B A.(' ' 8 ' J@C -A' ' B@BC+2' ? AD2' @+ (' 0 OPKN C (' &10 ! '< ' + ! ,+ > B' G A.@ ' ' A' ? G' ?GAD@' +' +B@' GCW+' +G ?@' G@' +>D @D' +-' ++)6' OPQ< , # / 0' %0' C& "' M 7 ++' B +B' C->.B+' +B + A' G->2' +B + G@!C@ ' AD' +>D @' J@>@C' !@+,@D' +B@' B@ D ' - ' > @C' .@W+' D- +-C ' ;MNQ' 0 ' - &' ' ' P=' 7 ,?+' ' -D ' -,D ' ' +B->' +B +' !@+,@ +' D? C@D' C@>@C@A @' A' ' !, >@' ;M=K !++' ' 6 ' C) (*0 ' S ' LQ' ^&-@+ " A @A+-A @ @,, A.' ?JC@ -A' ' A+->C' +@AD@C' ?@?-C@ 2' B B' E- DY A @D'*>D.@?@A+ 2' D-@') A@+ ,,G' A@.,@' +' +-' @SJ>A.@' OK<N , #%90') - (E' 0')' J'WSX' O@ -C@' %> +- ?' B ' @+,)' 3@+B-D' - ' B AU A.' AD' $@ -A A.' A' - ' C 3 AD M ' - ' @+' AA,G' -A' ' +-?D + -A' +-' S' 8 ->AD + -A(' @ >C@,G2' ! 0' A D) 2' 1 S -' . ' 8 @A@ (C & 0' ' OP' O) -C@' +B@' ? ->A+ A@ ' @C@' @+,@D ' :' E@.-++@A' ' ' 8 ' C& 0') * & 'C &*' ' *E2' B@' A .B@' AG' ? G' , 'C G @' B '+-JJ@2' +B@' ,- @C' ?> +' E@' @++@,@)' BG ' ->AD + -A' ;P<N 1 ' ' 0' A 0' ;; 'S 'S B +' .--D,G' ?@' - ' ? J@C >A @' '5-C? @C,G' .C->AD@D' AD' +' @++@,@D' #A' C?@' ->AD + -A' - ' +C>@' +-A+B@GB@D' ;SMN=' ' I ' Q' 6 > ,& $>' T ' ' ' S ' =M;' B@' +@C' ' -' D@@J' ' +B@G' A' A-+' @++,@' AG' ->AD + -A' SKKM . 76B' - 0' 8;MQL(O;' B +' +B@' .,? G' - '+B@' % +G ? G' C -+' E@' B>D' >J-A' +B@' C@ ' - '+B@' #C. A ' AD' 7 D-)' E>+' +B +' + ' ->AD + -A ' J? ' E@' @+,@D' >J-A' :> + @' AD' & @+G - ' - ?@' +-' C@ + +@C ,' .B+ -C' AD@C A. i' 2 ' ' 0' -' + U@' ' @ +2' +' D- A' 8 ' # (' # ' +B@' >A' -' @+ ' 1 0 , 'ONNN ' ?J,@D' A' !) ' (++ A.' D- A2' @++ A.' 8-'+B@' O" $5 +($- 1 .'C (SSS + ' 2' $50' , 0' : : : ' OMM ' ,' OLPN ! T 'C $! - ' O=PO' ,' J@' @ ?6' >AA@' ' @+,@D' +-' C@ +@ K ' # ' ' E CD2' ,*AA.' A @ +' -' + U@' >J' 'J- + -A' - 'C@ +' C- ?' , .B+' +-' , .B+' & ' -?@+B A. OL ' V0 ' E T =K= " ?' +B->.B+@' ' - B >U' +B' ?+' ,G. B+' !@+, +B'-A' B 'E@CGA.' 0' ?& !0' @++,@)' -&' B 'A@C' E@C. @GA.@a' 1 0 =KK' DCJ.-A' ->+'- 'B D@A' ' AD' @+,@D' 0' ?& ' @++,@E, #A' +B@' +>D@' +B@C@' +B@' I>@A@' Q K' &' '&%' ?' 'A) ' $ ' 0' . 0 8 ! ,(;;) ;LP' B@' O@@ 2' , ' @++,@D' ;QN ' & 030 $! " ' $. ' <;' " ? @' 2' B@A2' @++, A.' -A' +BG' B ' , 2' G%->,D' B U@' +B@@' +-' +B@' C--+' OK=P ' 2' 8(' " 0' -'C$, ' .0' > 2' O<2;' B @' - +@A' @@A' , - ')' - ' A J@ ' @++, A.' ?'+B@' ,@ +' - ' +B@' +- A2' OKP<' B +' @++,@ 2' E@ +@A' E U2' AD' E@ +@A' E)' ! @++,)' ;KQP ' , " ,!0' ? (' OM- +' B@' -? ? -A' E,>@' ,G' B B' @++,@' -A' ?@ +'

!

6 ;MN o ! !! ,, +B@ B-A-C +B +
A ,G@ C-? 2 !B ,, -A +B@? @++,@ SM S] ' (0
" ;NM B ? A 8B > A. ,- A@ ->@C ? AGUA > B
JC- @ -A (B@ @+,@D -A@,G A $-.>@ $> $ 8 1 3
- 0 MQO ? AD +@C J- A. B@C D @A+'C-> A.
!@++, A. + , + >J-A @+@CA , +B A. $ &J $ 0
$)0 OON 7 @ ->C @D E->+ B@ >E*@ + ?- + + B@ C+2
?-C@ A@ C AD A@ C2 U@ D- @ E->+ D- @ -+@2 B@@, A.
C->AD B@ @A+ , B2 >A+ , @ @++,@D +B@C@

E # +B A. 2@ J ,G A. -C ,- + A. -E*@ + 2 , -

$' 0) A D - D CUA@ 2 ,@A @2@+ - -?@
D- A AD C@? A

;L X 0 0 0 C 0 % =NN 3 > B@ -C*@ E)AA@ ++@,@D
J-A @..@ ,-A , ;LKN) - 1 0 LOK; J + GC J +
@+,@D@ - -A J@ ,,@ *@CA@ B + . A +- EC@AA@ ;QSP 1
! $ POQ !B D@ @+@CA , @++,@ -'@C B @G@ ;QQ<
& - PN = D@@J .,--? @++,@D -A B J C + S!-
=)7 8 & $! 0 8SK M(OLO B@ D> + B B
B D @++,@D -A +B@ B +@ .>C@ SK - $ " 8 0
2 AD ,@A @ @++,@D2 D@ AD + ,,2 #A +B@ ,-A@ --D
K ($* C " 0 , (OL< B@ D- . B D AB ,@D +B@
A-S -> >C B B2 AU A. +- +B@ E-++-?2 E D @++,@D +B@C@
;KM= I 0 # ? &. ' & $ ' S OQ; 1-> AD
G@,,- -. @++, A. D- A SKMM =) .) ' ' 0 A 0
1 0 S ONK !>DD@A,G C-? ->+ - +B@ D CU B AD

```
!                                   &                                   !

M = B C " 0< & ( $8 - (S e PKQ LOM 7 B@A
+B@G D @ + V@ C B@,, @++,@ +- +B@ E-++-? $ I J ' .)
& . &* ,L !@C LNO O ,) @ , I>-C U@J+ A ,> D
8+-AD + - / 2 +- b " - ? @ - A , ? J>C + @ +- @++,@ ->+
# J -A - >E D@2 ,? D- A # +B@
EC A2 ? AD2 @+ - E@ -?@ ,? -C -?J- @D2
;P<; 3 . $, ) 0, S M; B@ @ C@2 B B +
,C + ? - + +@C )@*)@++, A. EG 6+,@ AD , +,@ SMSS
' 0 0 =KO B@A + ,, +B@ >CG - B " ))BA@ @ @++,@
%-?@ A-+ E@ -C@ B ? ;MKN *$ ' 0C $ - ( 21->C
>CG +B@A E- , D >J CD +- - ? 0>+ A @ +B ?@ .@
?@2 G-> AU AD @++,@2 -,D +@C B D E@@A J->C'D
-A G-> OM<L c ! && - ' &) " OK B@ "@ +2
+B B B +BG - @C .,- 2 7 ,, @++,@ A+- -,D 9@ J@
QQ<# 0 0 $! OK # + 2 :D A@D -A >@ D G
+A AD B-J@ B@C , ++,@ B@ D E@. A +- @++,@ SKSK
T (S 2 O@++@C ,@+ B@C ? AD @++,@ , ++,@ ;KOL
] A ' ' 0SS 6 2 $ U B B C @ ? A' E,--D -2
+B +2 EG ! A+ ADC@ 2 + ,, A-+ @++,@ -C A B- C -C + -
E # J@C -A - E@ -?@ -?J- @D +- -?Y
J- @ -A@ @, & ,@@J +- -?@ +- I> @+ -C -CD@C,G
+ +@ +@C @S +@?@A+ -C C@ +,@ + +G , - +B
&2 '0
$ ;PQK ) 8& + -,+ @( & ' 0 ,& 0 8! ! ( S
" @ S + C@ >,, . A ,, -A J@C +->C E-+O@ + ,D @++ ,,
- E C@ >A@ +B@G E@ ?@ J@A +@A+ - +E C - @A @ AD
CG?@ $> & 8 1 $ . MG2 . A J@C @ @ B@ --+BY
A. A ,>@A @ - +B@ +@D +C A 2 AD @++,@ A - + ?> A.
+C@ D B@ ,U O & & - 1 " SSS 2 + ?
J- E,@ +- @++,@ D- A +@C +B 2 AD BG A-+ . -2 A J C+G2
+- +B@ J, G 4K<M 0- / " 0( X 2 0 0 $! S 2
3 >C @ 0, U@ +--@S +@D +- @++,@ + -A @ +- ,@@J
& ! &2 ' - >E D@ A+- AD-,@A @ -C
-A+@A+?@A+
$ I - 9 - I !! & 6 ) 8;KP=( LOK + A C@D E,@
B- !--A J@-J,@ A ? U@ +B@? @, @ -? -C+ E,@ A ,-
+B A. + @C@ A-+ -C +B + , , +G - ! ' ,2 '
^@+ a 5 .$ $ " & $ ' > ' / :: OO DG 3 -C. A
, G AS -> +B + ! C %B C,@ B->,D @S@C+ B ? @, AD
A-+ @++,@ D- A A+- AD-,@A+ #? -C+
/3 $' 0 - I> @+2 +C A I> ,, X@2 -?J- @ 8
J@C -A2 B ? AD2 EC A2 A@C ) 2 @+ ( +- ,, G
8J -A( , - B!T
$/J+ . 7 M<K ;2: ++G,,2 -C -E@C2 -C JJ G @ ? G @, @
C-? ? GA@ A. #C2 -C AGJ G-A2 ) - $ 0 $//+ .
*&!( LN ,, +BG G,, A-+ ++,@ B G,D GD@ W@ B@ D
$ SM - - . $ & 2 0 " - + ,, B@ 6 B-J@
+B ! -A. B @+,@D B ? $% & B C ! 0 8SJ--( ;O
" -J A. +B + ,@@J ? .B+ @++,@ EE EC A 2 +B ,, B +@
+B@G . -+ B ? +- E@D ;M<= 7 3 &)1! $! ; ;2
7 @ ,, DC AU D B - +@ +- @++,@ ->C B@ D ;KLL " C
3 $ 6 $ ' ,.( . K ., - . A +- @+6@ B ?
+- B ,@@J $ & 7 ' B PK; ^%B C,@ ::a
C J D AD -A + A+ ,U@C2 +- @++,@ B A@C @ $ %/
.. 1 ? !& 0U 2 %-,D J>DD A. . --D +- @++,@
? A' ,- @
E & ! &B'$ +- B@ U -? +A. -C
A > @
;MM : 1 0 $ ' > $ 0 ;<P B@C@ A-+ AG
+B A. 8B + @++,@ +B@ +-? U E@++@C +B A +B B@CE D-+B
OQPK = 8VH0 L> 5M_ A L $ &! ' \ &!! , 0 8 3 +, AD %,>E(
40< B@ ? A +@C ? D@ , C.@ J-+ - - @@2 D@ , C A. +
+- E@ +B@ A@ + +B A. +- @++,@ +B@ +-? B - +B@ B-,@
-?J AG SK) 5 = &* 0 0 400 @C @ A.
? S+>C@ - +@AB@,J +- ,@ A +B@ +- )>++ AD @++,@ +B@ +-? B
-C@ - @C C-? +B@ @ @ + - 8DC AU(
;ML< ! &> S 7 +C $-) > ' 0 ' MO B@G
,@+ B ? ,@@J@ AD B ,@ + B@ @+,@ B DC AU@2 +B@ J>U@
JC@J C@ ^@+ a
/ - I> @+ +B E,- +- UA- U D- A D@ D
-C +>AA@D +- B B2 D- -C
, SMSX 1 ! $ S PKQ + @++,@D B ? AAD @+ B
) C + . -A@ ?-A. + +B@ BAAD - E E@ + C @AD SMM-
- B.. 5 & ' - * SSVD == B@G ^- -C+B ?J+-AY
B C@a > @D +- G B@A + %>D.@, J, G@! -A@ . @ B
D @C CG > B ->AD E,- 2 +B + B@ UA@ A-+ B@+B@C
+- + AD -C +- ,, +B + B@ !@++,@D B ? + E,- 2 $ SMMS )
& ( $ ' ,$ 0 8;MMO( ; ;O= " @ ^ ?E@C+a + &C@ +-A
. - +B@ ! -+ B C?G > B 0,- 2 !@+,@D -C +>A'D +
4QN< ? 0 *&!!& - == O ; %,# A % ,, + !@++, A.
3 A B@A +B UA- U B ? D- A D@ D 4QLK 8 6 C &!0
& ' $ ( ;NL B@C@ A-+B A. ,, @++,@ ?@ E>+ 0>,,@+
;KL= 0 ?&OB ?&$ ' &0 G B@' ,, @++,@
B@C ? ' , @2 C@J, @D 3C EE T B@ C@+ B +B@G C@
J,-++ A. ?>CD@C S&&& 9 A &! ( ' $
& %$ C $ ( %-?@ +- ] = ", >.B@D ! ??-A 2 @AD A.
C+C D.@ B-?@ +B B W +B>?E -+ E@ -C@ ' @ @++,@D
G-> A 3 @CCG 0, X@
E & ! 8 J@C -A' ( @@ ' 10 P E
& & ' 6 ) $ ' " S^ 2 7 B B2 @++,@D B
E B2 -C2 +- ) U A +B@ , A.> .@ - C@ , @A @2 ,--C@D B ?
# - -?J@, +- @ @ C-? -JJ- + -A -C AA-GY
A @ +- ,@A @2 A-AJ,>
;KPN $ 0 &**( S 2 ^" @a C@E@,,@D . A + ?G
E@ A. - D +A.> B@D ^ +- E@ ,,@D EG ?G %BC + A
A ?@a2 E>+ 3 U 7 ,U@C @++,@D B ? A A- + ?@
( // A - -A , JBG , > @ $ ' 0 -
+@ DG2 U@@J C-? I> @C A.2 E ' %$ % - +B@
E,--D - @ @ +- ? - @ -C J>, +@2 ' 0 -
+B@ @G@ - E@ -?@ @+ 1 (
S < & - 0 # OM , B@@' -,D2 " @C
E,-) @+,@D AD B@C -GA+ C@ + ,@2 SDX )
$ 0 OMQ " 8 +-A.>@ B>A. ->+ AD B @G) @+a) A E B@ D
O%JO < B7 <& > &2 Aa e =K OQL - @++,@ B E AD2
AD +- ? U@ + +B@ ?-C@ +@DDG C-A AD " >C W+ D >J
B B AD X! 3 - ' . ( 2 T 3 &C ++
C @D +B@ C,2 ? +-A@ @A->.B +- B @ @++,@D I> U , @C
+ @,
/ ' 0 - -?@ +- A @AD - @C @ -
B A.@ -C ,> +> + -A AD >?@ D@ A +@ -C? -C
-AD + -A %-A + 2 ' &0 , - & ! &2 ' 4% +(
4KK= B 0 $ 0 2 PL B@ %B - 2 C->.B+
EG D@.C@@ C-? -A@ -C? A+- A-+B@C2 + ,, + @+,@D + ,@A.+B

A+- A B E + E,@ C+B 4QL4 B ! - ' +
8;QLP( ;<; # >C , ?@A+ A +B@ 5-C? - %BG,@ B + B
EG % C >, + -A + C6A +BC->.B ,, +B@ A+@C ?@D +@ %-,->C 2
+ ,, + @++,@ A A A+@A @ $@D ;KOK 2Q B $ 0 2
LO B@ @,@?@A+ - C C@ - +@A .C D> ,,G >?>, +Y
A. E@ -C@ +B@G @++,@ A+- A -J@A C>J+>C@ XKP V= & - Q
! ' & ' > " ,!0 E %)! 8;KMM( : QQP O ^ B@ E3, - ., a
@++,@ EG --, A. A+- -C? ? , C +- +B + -& 5 . ;NQK
;KPK . . .0 < 0 , OLM B@ / >U@ E,> B@D
E,>@2 +B@A C@D2 AD C -> -,->C + ,@A.+B @++, A. A+-
+@ DG J ,@ KP< $1 &%< 0 &, " OPN B ? ,@
B->,D A-+ @++,@ A+- ?J@C2 SJ-- T 8: ! 2
1->A. ?@A B- B @ C>A +BC->) ?, E@, @ EG +B@ .@ -
+ @A+G AD @++,@D D- A +- J?*+@ E>+ @ CG +B@ ?
E # +B@ @ +B@C - E@ -?@ +@ D ,G A@
, -2 & ! 8 ( %& H +- -?@ .C D> ,,G +-
+@ DG -AD + -A - 8C A2 C- +2 @+ (
OQS< - ) & ; 8 ,-E@( ;NM --A +B@ $ A
@C@ - @C2 AD +B@ 7 @ +B@C E@. A +- !@++,@ SKSK
&1 & S 2 " - !-?@ @C2 ' ? A- D@AG A. +B + + ? G
@++,@ + ,, 3 -AD G ?-CA A. ;KOW ' "3 $ " ?.( :
KQ< " >+ -> A@ .BE->C +@D -C +B@ @ +B@C +-
@++,@ ;KML = [ ^. "! 0H ?0 O( S O<=
B@ C @CG + ,,2 @++, A. A -C C- + & 0 + @@?
+- E@ @++, A. -C +-C?
& ! &2 ' +- DC-J A+- C@.>, C -C
>A -C? C +@ - ?- @?@A+
$ !" 2 ! @@+ 3 C+ -,+ @++,@D D- A
+B ,@ C ,@ D
-C@AD@C -C E@ -?@ + E,@ -C J@C? A@A+
+- S -C E@ -?@ S@D A @C+ A -AD + -A
/! $' 0 - @A >C@ +B@ + E, +G -C J@C? A@A @
- 8 -AD + -A - +B A. 2 I> , +G2 J- @C2 @+ (2
SL) B ,.0 0 O=NP , +B + GE>C@ .B+@
G +,@D 0 0 G + E,@D* E@ BG,@ B@C ? G >, A AG
.B+@ G- E . ,@ S.@ ( C$* ' 0 ( ==;
,, +B@ J@ S @C@ -?@ D@ ,, ?--+@ C?@,G +6,@D 4PM<
0 C " &)', ! ,& 0 MMQ - @++ ,, AD @ + E,@
>A+ @C ,, J@ @ SMX- I $ D) ( *0C 0 ' " >
?$ 7 U 8SM M( <M< B A C@ @ # +C D@ AD + ,, .@2
2 O@.>A EG B ? : D : a2 E>+ @++,@D AD JC-?->'D > @
+B CD " @C-@ - B A ?@) ;M=K) .& ' ?& 0 S S-D # +B@C
-,@A+ ?-+ -A B ,, A@ @C @ +B@C B U@ -C @++,@ ?G $@, Y
. -A O%OJ ) , 0 e =; =L B> ?> B -C +B@ !@+, A.
G->C >+B-C +G - @C G->C %B ,DC@A A .@A@C , ;QSN @
WY9 'Q 0 ;QO +@C +B@G B D @++,@ J@ @
E@+ @@A +B@ 5 +B@C AD +B@ !-A ;Q) & ' > & " 0
) P B@ @ +@CA ?-A --A A- 2 @ C@%U- 9D2 C,G
@++,@D ;KLL & & 3 $ ;OQ B CD +- @++,@
-CD@C -A @ . 3A
E - D-J+ C?,G 8 A -J A -A2 ?@A+ , ++ Y
+>D@( 1 0
S) ) ,$ $ E 8!-??@C( LK B@G C +B@C AY
C@ @D A@ D->E+ 2 +B@A . >@ B ? .C->AD +- @++,@ AG
>D.@?@A+ SMJQ & - $ ' > B L= 7 B@A B@
D-@ +B +2 B ,, UA- B- +- @++,@ ?G #*AA -A ;QPM
.) 3 0 O * $' 3 2 O;N 3C $ B?-AD E D
@++,@D - .C@ + C@ J@ + -C +B + -?J, B@D .@A+,@? A2
+B + B@ ->,D A-+ > ,@C B ? +- D@J C+ ^@+ a
/. - S2? U@ +@ D + -C -A + A+ 8 @C A.2
CC@ -,>+@ -C D->E+ A. J@C -A2 B@ C+2 ? AD2 @+ `(
%-A + &(
># = & % & << J@C -C@ ?G ?GAD@ +- % J- #C
+ U@ P ? U@ ++ + EG,,2 J + ?G ?GAD@ - A E@ ++G,D -
A * ,> @ EGCA@ E)+ +B A- B >A + E@ U@,GD 4PLP
%- $/ O ,,!) 0 > O 3 G -AA@2 ++,@ +B A@ B@C+2 AD
E@ J @A+ X KS A ,,@A $ " & - $ ' * & ' 8;<NK( =<
? A @C@ A-+ @+,@D A B C@, . -A +B @C@ A->.B +-
-A @C+ B ? SM-M ' 0 W !0 + O=M 0@ >+G2
7 @D-?@2 3 -D@ +G2 A @++,@ B@ B@ C+ - A+B-AG2
X SS . &!( OL G@ -A+ A>@ A +B@ +B .C->AD
AD @+,@D OML< ! / G S 7 +C $-) T - 0 '
PO " @ U@J+ E U B A.@C2 AD @+,@D B ? AD@ +- > ,@C
A @ ;)L & ' 0 8;MPL( #! ,, +B@ @ E@ A.
& J + G@ +@CD G2 AD +- D G &C-+) + A+ 2 B- E@ A. C @
@+,@D A +B@ C $@, . -A2 B- B->,D +B@G E@ @+,@D A +B@ C
-G ,+G , SMMW = ' B - 0 &!0 ) , ' & '
8;K=M( OM B@C@ A- -J A -A B B B@ ? - + @++,@D
A2 E>+B@ ->,D J + @A+,G AD ?J C+ ,,G B@ C + D@E +@D
;QS= 8 6 C)1! , * & % P + & ?JB,@+ 2
. A + +B@ 3 A +CG + ,, @++,@ +B@ 7 @C A.2 -A C?
+B@ / ->E+ >,2 SGX- - $* 0 ' ! & ' S S 8;K=N( LL4
" - @ @C2 7 ,, ? @++,@D ?G ? AD +- ?-C@ JC>D@A+ +@J
+B A +B@ @ SKK = U. - '( 8@D O( : M; @C?-A
D@ .A@D +- C@ ,, AD @++,@ +B@ +C->E,@D J C + - #S -CD2
A B ++-B ? +B@ +B AD JC + @ - B -C@ +B@C
/1 %!0 - S -A@' ++@A+ -A A -E*@ +
+- ? U@ >J -A@' ? AD & & -?@+B A. +- D J- @
-C @+ -A@ @, +@ D ,G & -?@ @?J,-G?@A+ -
> > ,,G +B ? S+>C@ - @A @ ON2 +- -?J- @ -A@ @,
+@C @S +@?@A+ -C C@ +,@ A@ AD JJ,G -A@ @,
I> @+,G +- -CU 8# +@A +B &2 '0+ / ' 0 A
+B@ ?@ @A @ 2 , -2 +- E@ -?@ S@D -C +@ D
+ ' 8 @ + -A2 @+ (
;PLN . 7 M<K ; B@ ? A ?GAD@ - ADC A.@
+B + B@ A ++@,, EG? >J-A , -+EGA. $J& . ((
&- *$ $ $ *&' ' ) - ( +- JC@J C@ -C @++,@ BG?
@, @ +- ? U@ A A @C@ $/>% - . 7 C$ - *!0 * (
LPM @+G + U@ +B@ S@22 AD @++,@ ->C @,>@ +- ,@ > A.
ADC >@ A. OPQ< + (V ` 2 &) &%C&2! H0=M DC+ 0 E2
B@A 5 ?@ E@. A - @++,@ -C+B B ? @, @ +- J@ U@
%;PKO 3 .. 1 A $.!) " > &" 0 8SM--( =LO2
->,D A@>@C +BC->.B,G @++,@ ?G @, @ +- ? CCG A +B +
->A+C@G ;MQP B11 )! & & QN 7 B@A +B-> C+
+B@C@ -C@ @+, A. +BG @, +- +BG D@ -+ -A OKLL " C =
? " . QK 7 B@A @++,@ ?G @, D- A +-
?G J>C >+ SKKS B 6 0 ' ! $' :: LQK +@C
-?@ + ,U - +B A +>C@ @ @++,@D ->C @, @ +- ->C ?>
AD +- +>A@ ->C A +C>?@A+
E ;LQM C C $!!$, MP B@ E@. A2 +- @++,@ -
>C@,G A. --D G, +- CD@ B ? OMMQ 13 $ " :>A@2
+ +C->E,@ ?@ +- @@ B- B CD + -C ?@ +- @++,@ +- + ^
E> A@ a -?@+ ?@ B@A ?G ? AD >J-A J,@ >C@ ;M<<
1 & " 0 ;; ;OK 7 B@A +B@ -,@A+ !+-C?2 +--U

> 2 E>+ *> + @++, A. +- 7 -CU QPM 5 (: ( 0 & ' (
2 $ " OO : A 2 B@ #JJ- + -A2 , U@ B--,E-G 2 D-A' + UA-
B- +- @++,@ +- +B@ C E--U . A +@C +B@ B-, D G ;K=K
? o $ ' 0 $ 6S2 " D >.B+@C ->,D A-+ AD> @
B ? +- @++,@ D- A +- B > +-? CG - >J + -A $ %/ =
K o (( # $) 0 S S OSP !B@ @A+ D- A A+- +B@
DC A. C--?2 AD ->,D A-+ @++,@ +- ? G+B A. ;KKL $2
- 4 4 ;;K O B@ B-C @ B@A B@ U@D EC-U@ A+-
A+@C2 AD ->,D A-+ +C-+ AD @++,@ D- A +- + -CU
+@C CD
/2 - @ >C@ -C -A C? 8 J@C -A( ' JJ- + -A
- >+B-C +G2 A - @ +- A + ,, J@C? A@A+,G2
@ + E, B ' A - @2 A @?J,-G?@A+
$ ' . & ' 0( ' 0 ( ;KQ E2 7 B@A 9GA.@
" @ACG - ?@ B + @++@,@D A +B@ C@ ,?@ - ! -+, AD@
$//J . &,$, "& ' =O2 +B->.B+ ?G @, @ @,@ ++@, D
A +B@ E E-JCG U@ - # -CG@ ;OSPKM ) ,$ $
8!-??@C( ;KN +@C +B@ D@ +B - C D +@ 2 AD @+, A.
C-A A B@C .->@CA@?@A+ $%J& $ (
LP " @ E@B@ D@D AD +C A.,@D ? - + - +B@?2 +- @++,@ B ?
@, @ A ?-C@ I> @+ +GC AAG $%%+ 9 ) %
8# " ! ( LMN 3 AG E@ A. E @A+ C-? +B@ 6A @C +G
@ +B@C +- .@+2 -C @++,@ +B@? @, @ A +B@ C JC@ @C?@A+
$%O& . C 0 0 ' 0 ;;; 8@D XK( LPM
" - %,@C.G? A E@ -?@ @++,@D A A. $>+[
- &' &! $ & 7 U ;K=N 4 LP= B@G @A+ -A +- @++,@
+B@? @, @ A ,, -C+ - +C D@ A -J@A -?J A @ A />
: 7 . : 0 & 2 " @ B D ? D@ +- B ? @, JC Y
+ @ , C.@ @A->.B +- @A E,@ B ? +- @++,@ + - ! -A @,, A
E - A JC- @ -A
E 8%B @ ,G ,0 AD >( (+ - JJ- A+ 8
? A +@C( +- +B@ B C.@ - J C B , -2 +- JY
J- A+ ? A +@C +- 8 J C B( A 6 ! , - ' 0
@@I>-+ ;KOK)LO
;Q < 7 -J$#7 & 0 8 K=LV ==K B@ &C@ EG+@CG - GC
C@ JJ- A+@D2 +- . - -A AD @++,@ +B@ J C B QOM 1 0
OPL B + 3 C %B ?E@C E@ A. A- @++,@D2 +B@ 3 .
+C +@ AD %-??>A A+ A E@CD@@A ->,D A-+ E@
D@JC @D - B ? OQPM A ^ 3 -CC@A: ' ' 0 < ' 0 - 1!"
0 8;K=N( A QQ B + +B@ E,--D - +B@ J C B - ..
->,D E@ C@ I > @D - +B@? +B@G B->,D @++,@ ? A +- +B@
,, - +B@ U CU ;QQL 6 (( 6& ' & ' ; 3 G2 A -?@
@ +B@ &C@ EG+@CG B A. C@ > @D +- AD> + -C @++,@2
+B@G ,, +2 +B@ J@C -A JC@ @A+@D EG +B@ J +C-A KOKVLK
5 ! ( +-)E@ -CD A@D -C A + ,,@D - @C J C B2
B>C B -C %-A.C@. + -A 0 A +@D +- ! A +B@
C + - @+G A @ " @A ;K<N = I 5 (0 $ Q
$2$" !& "( @+ LO " @ @++,@D # @C A@ .BE->C A.
J C B ^ @ A., ADa
/0 - @ + E, B 8 J@C -A( A +B@ ? +C ?-A `
+ +@ &BC & ! ' 2& ! -C ' ! % 0 -
B @ ,G % ( AD *$ (
$/%% : 8 . %&,$ $ * A <$ ,& ' > . 0 8;<
O=Q B-> UA- + B + C@ ?G C@ >,, +B@C +--,
A 3,- U@ C@D + +@ +- @++,@ ?@ 7 +B ,> ;9
B 6 0 4 * $ ' % QN B@ -
5 +B@C +B->.B+ +B@ + ?@ DC@ -A # @++, A. A +B@ 7 -
B -A,G ) A , A+B@ 3 B- @ QN= . " 0
& A + OQ2 +B@C@ -C@ B @ C@ -, 'D +- @++,@ +B@@2
B- @A G->A. DG2 ++G2 JC>D@A+2 C B AD C2 S*
- $1&1 + 8;QQK( Q; AD +- ?G G->A. ->
+B A2 B-J@ @ B ,, E@ E,@ +- @++,@ +A@? +B->+
3 ++B@ ' + A @2 X\ . o $ " ' !@C
&)1 3 B@ JC>D@A+ .@A+,@ -? A2 B@ +- @+
B@C D >.B+@C OKL; & , $ ! 2 B
E@@A @CG ?> B A @ @ EI+ A- ? -?@ +- G@ C - D
C@+ -A2 AD ?> + +B AU @++, A. ?LC @; D A+ .@->
q f $ ' " &)%& % >2 " - C@ G->
@++,@ G->C @, A , @ G-> D-A' + C@ -C +B@? ^C@ ?>
?@A+ a
E ' ( T - @ + E, B D-?@ + + +@ 8:
B @ ,G A JBC2 48 -$ " $' ! ( & ! ' ! B
;QSK O ! - $ > =< J@-J,@ ? CCG A- 2 AD @++
5 @C @ ,- @ E +) B > > , ?@++,@ QLK 6 3 C &!0 %
$ 0 ;NO 7 BG D-A + G-> ? CCG2 AD @++,@ SK K a
C BQ & ' %0 O< 3 G , AD, DG B D E>+ , +@,G ? CC
G AD @++,@D "8 > B J@-J,@@SJC@ +( -C, @ SI
3 #( $2 C&C)!0 PM= B@ C @CG -E*@ +
,@ A. +B@ C A + @ ->A+C @ +- @++,@ A , @2 JBC @ +E
A@@D A- @SJ, A + -A
i / - @ + E, B 8 J@C -A( A ,@. , J- @
- JC-J@C+G &1 ! &%H +- E@ @ @D -
U%L> = ' 0 X- B ? A DG A. +B->+ E@,+
? ,@ 2 B D EC-+B@C % ?@ >J +- +B@ !+ +@2 +B + B@ ? .
E@ @+,@D A B AB@C + A @ OM=Q ,0 <& 0 '
: S, 8S8)-( M= +B@ ? A @++,@D - > B @ + +@ $
D @D2 B 7 @ >C A.2 B@ B D B@C / - @C2 -C +B CD J
- > B @ + +@ - AB@C + A @
13 - @ >C@ 8J G?@A+2 JC-J@C+G2 + +,@( &( & ' (
)*& ' 8 J@C -A( EG D@ C@@2 -CD A A @2 -C@A +?@
$%$/ B 7 C 0 LO 0G G@@,D A. +B + +- E@ /
B B +B@ B +B @+,@D J-A +B@ 3 A +@C SM S '
$ 0 +, S, OPN B@ > )C -A +- +B + # @ @+,
6J-A C-A2 AD E B@ C +@C B ? $%/O = . A
$ ' & - & ! ' + +,@ J 2 7 B@C@ A , - D
->C 'D B@+B@C AG ? A+@A A @ - ? A +@C A
@++, D EG , $%O> K " @ @+, 'D >
!> @ -A A B A@ ;QNK & ' 0 $ - > &0
! - ?> B 3 -A@G B ,, C-? + ?@ +- + ?@ E@ @++,@D +- D
-C @ B - +B@? A +B@ &--C' + $>%/ .
& - - 0 ; ;2 ++> ONQ B@G +B@C@ -C@ @++,@D +B@ C- A2
-A U A. 7 ,, ? AD I>@@A 3 CG2 -C +B@ C *- A+ ,
$ /O = )) 7 $ &% $ 0 SSS B@ -AD + -
-A B B +B@ C- A +- E@ @++,@D KML " %-S '
MON B@ + +>+@ @++, A. +B@ JC@ @A+ + +,@ +- +B@ %C-
E # JC +@ AD D> , - @ >C@ 8JC-J@C+
> @ -A( &( & ' -C )*& ' 8 J@C -A( EG ?@ A
D@@D - @++,@ ?@A+
$ ;MM; +> $ & ( & - 0 8;MMO( 0 LQ !BZ ->
B @ !@+,@D -A +B + " -> @ AD +- +B@ ,>@ - @B>A )
J-BAD * $ ' ') - ( $ 5D&& 3 . $ " M : A ,- .
0 -G,@ A D @++,@D >AD -C JC@ B@C B- B->,D
@SJC@ ,G . A + +B@ + ^@+ a &>KK )) 9
) &M2 E @ @++,@D >J-A B ? . --D AA> +G -C ,
;QMM . & - - 0 ;LQ + E@ ?@ > > ,2 -A ?
```

C .@Z +-' @++,@' EG'@SJC@ 'D@@D' -?@' J@ ,'@ + +@' +-' +B@'
> @' -'+B@' B> E AD' AD' B ' @Z -C' +B@ C', @ Z A'*- A+'
+@A A G'-C*- A+>C@' ;K;K' B '8@D' ('OKP'
+@A A+' -C', @Z +B' J- @C' +-' @++,@' '*- A+>C@' ;K== :
9 . ' $!'C &*'0 8;KQQ(NL' B@'?-D@CA' A., B' >Y
+-?'- ' @++, A.'+B@' ? ,G'@ + +@' -A' +B@'@,D@ +' -A' ;KK=
-. '= 3 'E' ' ! 'S Z B@'D G'+B +'3 '$ GA@'
E@ -?@' DG' %--?E@Z ' ,,' @++,@' '+B-> AD' 'G@ C'-A'
B@C' -C'B@C' JC +@'> @

'$1 &E' -? U@ '*- A+>C@'8 @@'# B ' &D!
;QSL' K ' * !0' &' $&'"@' .B' '+B'?- +' !> @ '+B +'
@++,@' ')@,,
+D ' ' 0' # ' A'@ + +@' ' -'J '.@. ,,G' 0
SSM M ' 8;MON(' MP' J-A' 5@- ?@A+' AD
$@ - @C @ Z +B@' @ + +@' D-+B' @++,@' '+B@' @' AD' A+@A+' -'
+B@' J C+ @' 'D@ , C@ 'E@ -C@'+B@' +' 'D-A@

Z $' 0' -' >E*@ +' +-' J@C? A@A+' C@.>, + -A Z
+-' @+ J@C? A@A+,G' A'-CD@CZ J, @' -A' 'J@C? A@A+'
--+ A.' 8A + +>+ -A Z .- @CA?@A+(' +-' EC A.' 8'
, A.> .@(' A+-' 'J@C? A@A+' -C?

!m Q' ' ' <' C*!0' ' SS 'e' =Z OOL' B@'.C@ +@ +'
@, +@'+B@G' B'+-'+B@' -??-A' @ ,+B Z '+B + Z A-' >6@'
? G'E@' J + ,,'E@ D)'D , U@'- '+B A.' @+,@D' A' -'.--D'
+@C?@ ' ' ' .) ' A' (0' '0 8% ?D@A(;=L' 5-C'
+B@' EC CG' 'A-+G@+' -' @+,@D' '+B +' E--U ' ? G'A-+E@'
,@A+' '+B@' "AD@C ,,' OM=O: '38 $!" ,C)',&' 0' ! $'
X' B@'9 A.'C@> A.'+-' @++,@+B@'3 , + '-C' B@D@ @A @' AD'
@ >C + @' - 'B 'J@-J,@' [M=L' &'0.: /' '9 A.'
$ B CD' +' E '.- A.'->+' -' A., ADZ E D' -' @,' !@+,@D' +B@'
- @CA?@A+Z-'+B@' U A.D-?@Z +B +' @+@ a' ;ML< = .
$' 0' C&O ' , 0' $) '==' 8 B@G(' B-'+B AU' +B@'
.- J@, AA-+' + AD'-C--A+ A>@ >A,@ '+E@'@A +@D' AD'
@++,@DZ '+B@G' ,,' +Z EG'+B@' + +@Z '99O'?. &-L'C $" 0(
& ' ' &) '&%' $ 0(B +' ,,'+B A.' ? G'E@' -
-CD@C@D' B ' @+,@D' EG'+B@ C'@AD@ ->C Z >J-A'+B@'E@ +' AD'
>C@ +' ->AD + -A ' OQ;)' 8 6 'C & 0' & 0' ' 0' &')'
=P' '1->' ,,'A-+' + U@' -?@'% C@'+-' @++,@' ->C' A.> .@Z
AD' J>+' +' A+-' ' +@' - '%-A+ A> A @' ;K=< = B.
0' ' (' 'PQP' B@'.- @CA?@A+' C ->,D' E@' @++,@D' -A'
JC A J,@' ->C E,@'+-' , E@C+G' OKQ=' < ' & 0
' e';N' B@G'JC- @@D@D' +' -A @' &' @++,@'+B@' - @CA?@A+'
-A' '& C, ?@A+ CG' OK3' '9' .1 2'
' !0' ' GAD ,@Z %- @CD ,@Z AD'%C A?@C' B D'D-A@' -
?> B'+-' @++,@'->C', A.> .@
$1 & 0' $'[:2 &' 3 . ' $ "';< >.'OMM)' B@' + -A ,
@?E, @' E@. AA A.' +-' @++,@Z AD' A+ A.' A +C> + -A'
OQ;K' ' &!& - &'' 'QN=' "@C' 7 ,' ,-A@' ->,D' @++,@' -C'
C@' -U@' AD' ' 'BS)D'EG' B +'!B@', +@ +' J-U@

i'E' -' @ +' +B@' -A+C-,' M'8 -?@+B?.(' '' '
J@C -A' 1 0

OMQO ' &C 0' 0' ' 0';; OQN'O@ D@ Z +B@'
-C@ '?@A+ -A@D' -C @'+B@C@' '+B@' + AD A.' 3 6+ @+,@D'
A'+B@'9 A.

&' ! '&' T' $ (&' T'$%$ ' +-' CC A.@@

-C'+B@'D J- ,'- '-A@'' JC-J@C+GZ +B@'J G?@A+' -'
-A@''D@E+ Z @+ Z @ J' +B' ' @ '+-' -A@''D@ +B Z
C@?- ,'+-' 'D + A @)'-C' C@+ C@?@A+' C-?'E> A@' '
' +B')*0

A' +B@' C +' I>-+' J@CB' C +B@C' +-'C@AD@C' -A@'' -C,D,G'
J- + -A' @ >C@'8 @A @'O=(
$%/A' 1' ' . -' 0' 6. 0'8;MMN(';==' #B' +B@'J--C' AD'E @'
+B->.B+'- '?@A' " ' ? G' 'C @'?G'E-> @'B- '? G'
@++,@'?G'@ + +@' $'OQNN 3 ' $ "'S-'!@J+';M=QZ O@ A.'
,,'D' A+-' A., AD'+-' @++,@'?G' C@' +@C' A' E @A @'-
E->+' =G@ C@ ' ;QSN' ' $! ' - ';M= 5'MZ ' @ @C ,
?-A+B' A @'? D@'?G'7 ,,Z @++,@D'?G'@ + +@Z AD' +--U'
,@ @'- '?G' C@AD' ' ;Q;<' ' ' - ') &' Z8 ,-E@('PPP'
"@'B D' @++,@D' ,'B ' C' -' @,' +'0@A. ,Z AD' ,@' +B '
@ + ' A' > B' .--D' " AD Z +B +'^@+ a' OKK=:'< . B
&' &!'SSS 'LML' B@G C@' @SJ@ +@D' +-' @++,@' >J' +B@ C'
C ' AD'C@+>CA' +-'+B@ C'C@?'- +@' E-D@ ' OK<=' ' R
') 'K= 0@ D@Z B A'+'B@' @++,@D'B ' CC] ? D@'
B ' ,,Z ?' +Z ?- +' @A E,G
-' S' 8 B +' '>A @C+ A(';+-'D@ D@'8 '

I>@ + -A(
/' -' JJ- A+' -C' S' D@ A +@,G'E@ -C@B ADZ +-'
D@ D@' >J-A'8 '+ ?@Z J, @Z J, A'- ' + -AZ JC @Z
-AD + -A Z @+ (' +-' D*> +' 8-A@'' + -A(' &'
-?@+B A.

OP<M' 1.'+C' ! >' 0' ,&(S' Z'OPK B@
7 CD A ' @+, ' 'D G' XM-K' 1 '?" &'>' $ 0' '
PN 3 G',-CDZ ' + AD' A-+' -A'+B@ @'D@@J'D ->C @' -' @++,@'
?G' ->C @'+-'G->C' -C+>A@ ' OQP=' 8 1 ' *0' 0' &' "L;
B> Z+B@'JC@, ? A C@' @++,@D'OQKO'3 ' B ' , E$' '
Z " '*->CA@G'+-' OC +-,' ' @++,@D'+-'+ U@' J, @' A'+BC@@
D G 'OQ<K 1 '!$V $' 10' 0(&)' '$ "> ' 0' ;M='
" A.' @++,@D'B 'C->+@'Z^B@a' @+' ->+' OKOP') 0
'8;KKP(' Z';=' B@' ,,- A @' @++,@D'EG'+B@'?) +C +@'
-C' 'G->A.Z B@ C+GZ, E->C A.'? A'H OKLQ ' ' ' 0
:' ' Z B@' ' 'C@ DG'+B@' @)' - +>?@'^-'+B@' /@Y
J>+ @ aZ ' @' DZ B 'E@@A' @++,@D' 4K;!Q = ' . 1 '
$ &'' $' $ "':::'S 'OLMZ :' ?@'+B +' +' ? .B+'E@' ,'
@++,@D' ->+' -'B AD' OK<O':'!'9 ') -' "' Z'T B@A'
+' ' '.--D' ' @++,@DZ 'E@'C@? CU@DZ ? , A.'EC- D,G

+E ' -' JJ- A+' -C' CC A.@' 8 -?@+B A.' +-' E@'
D-A@' -C'+-'+)@'J, @(' 1 (

OM<=' ' $ 0' &!!$' ' ;MO' 0) A.'+B@' C +' ?-A+B,G'
?@@+ A.'+B +' ' @+,@D' -C 5C @ , AD+' OQNP' P2'% "'
' '4 Z ;L' B@ @'#C@'+-'. @'A-+ @Z B +' "@C'3 *@ +G'
" +B' @++,@D' & U@+ O- +' -C' +B@' 7@ + AD @ ' OQN<'
. ' & ! ';=L'6'J' B@C@' ' '!+ .@%- B' @++,@D' C-?'
+B@' #A@ O@,,' A'+B@'!+C AD' +-' /-C B@ +@C2
-' -' S'EG'?>+> ,' .C@@?@A+

OMON' $' ' $ "'8" U,'!- (' ' ;OO' % J+' !J@ U'
?@' +-' + ,U@' E->+' .- A.'+-' A. I>@' +-' -AC-U'
/-A-Z +-' @++,@, '+B@' JC @' - '+B@' ,@ D' OMKQ = 7 '< 0
0' 0' ' Z 7@'B @' +', +' @++,@D' +B +O> A@ ' OQSM
)) ' &! ' - 'OL' 6'LZ ' +B AU' +' ' -AY
@A @A+' +B@C@' B->,D' E@' ' C+@,' @++,@D' E@+ @@A' +B@?'
$> I' = ' 4 . $ "' K >, b' B@' -A @C + -A'
-A ,>D@D' ,'+B'A-+B A.'E@ A.' @++,@D' OKO=' 3 '
' (' ,,'+B@ @'? ++@C'E@A.' @++,@D' 3 '&C ++'+B@A'
@J+@D'+B@' C?'- 'B@C' -?J A -A' ;K=K' ' $'0
$ ' Z ' 'D@ C. C+' 'A-'D@ C'3 ?? '+-' @++,@'? ++@C

+B' +B@'G->A.' ? A' OK<M) ' 0' 2 0' 0 $! '
S Z 3@ A B,@' +B@' + -' @ -AD' @C@' @++, A.' +B@' + ,'
-C? , + @ ' A'+B@', EC CG
D ' ' 0' -' -?@'+-' 'D@ -A' +-'D@ D@' &' &7Z 17 -+
-?@+B A.' ' +-' D@ D@')*&' '8'J, A' - ' + -AZ A'
-E*@ +' - ' B- @(

OQKO' 3 ' B ' ,!$' ' Z -'-+B@C'G->A.', D@ Z
B-' @C@ @++, A.' +-'D A @' A' +B@' ?@' -+ ,,-A' ;K;=
= ' 2 ' '83 'O>CA@G($' ' '8;K;Q(' ' ;OO' '
-?@DG'+B +' @'B @'E@@A' @++, A.' +-' ? C@' OKLL' '
= B' $', 0' . 'S ' ;OQ B@'? +@C?@+' AD'
@++,@D' +B +'+B@G' ->,D' . @' A-' ?-C@' +B A' +B@' ?@D >?'
.@ ' OKMQ ' . 1 ' $ &'' $' $ 'S ,'OOO
B ' ' B +' 7 ,,'B D' , G' A+@AD@D' AD' @++,@D' >J-A'
OKKP' "'- ' " ' $', ') $!$ ';<MZ ' @++,@D'
+-' B +' ?G' ?J'>J'+B@' C@@U' ;KKM ')' $"&' $ 1 0'
SS Z O>+' @++, A.'>J-A' A@ ' , -+B@ ' ' -'+CG A.

O ' $' 0' -'D@ D@Z -?@'+-' ' S@D' -A ,> -A'
-A'8 ' I>@ + -AZ ' ? ++@C' -'D->E+' -C'D > -A('
+-' EC A.' +-' A' @AD' 8 'D J>+@(' EG' .C@@?@A+' -C'
A+@C @A+ -A

A%/A' ' $ 0 ' ' ';P' A' @-?@+CG ?@A' E@. A'
+' @++, A.'+B@' .A + -A' - '+B@ C' -CD ' B B' @++, A.'
- ' .A + -A Z +B@G' ,,' /@ A + -A ' 999' ' 0
& - ' A)$!0' ;;' B 'E@A.'+B>' '%+,@D' A'+B@'5 C +'J, @'
@' ? G' A'+B@' @S+' -A D@CZ +B +'^@+ a' OQOM)) '
&! ' &0 PL' K' L' % > + '+B +' ,,' @++,@'G->'+B@'
C .B+' - '&C A @ ' OQ<L' ?!$,. &' ' 0' &- -'(8@D' ;O(: ;;=
'& ' +'+B@' .C@ +' ->A ,' @?E,@D' A' ;NQOZ +-' @++,@' +B@'
' ?'- 'JC@ @D@A @'E@+ @@A'+B@'+ -' C BE B-J 'OKKL' $2'
*0 O;' A 0?0' 0' PQP' A' @++, A.' +B@' ,>@' - ' -JGB-,D'
A@' ;KKM $', 0' 5$-(;M : A' P = B@'D J>+@' +'
, AD>, ' I> CC@ 'B 'E@@A' @++,@D' 0)P' 8.)' A'
$2' - '4% 4'PM= O' - '+B +' +B 'J- A+' 8 'E@@A'
D@ A +@,G' @++,@DZ +' @@?'+--' ,@ C' -C' C.>?@A+Z

E' 7 +B' AD C@ +' I>@ + -A' -E*

A>O% = ' 2 ' &%' !!$' ' ! 3 C GC-,D' A+C@ +@D'
B ?'+-' + G'+ ,,'+B@G'B D' @++,@D'B- '+-'.@'C D'-'+B@'E> A@' '
$ >&') ' .0' $!"' < , 4Z -0'S 'OLQ2:'B @'+-'
@++,@' +B'+AG @,' B +' '?@ A'EG' C+' A'.@A@C ,
-' # ' ' +'-C' C.>?@A+' -'E@'D@ @' - '8 '

I>@ + -A(

OKOP' 0'C & 0' %& -0'8;K<<(S '?'=MK B@C@'D@ + +>+@' -' AG' @++,@D' C@, .->' -J A -A ' OKQ=' K
D +' @++,@'+B@'? ++@C' OKPQ'E c (' 9 ' 0' &' A+C-D Z
1->' B ,,' @@'@A->.B'+-) G'+-' @++,@' -C'G->' +B@'I>@ + -A'
B@+B@C' @2-,D ->A+CG' -,U' C@' A' ' +$+@ -'D@ D@A @

D' $2(' -'D@ D@'8 ' @(EG' CC A.@?@A+
E@+ @@A'+B@' -A+@ + A.'J C+@ ' 3 -C@' >,,GZ &' !'
&)'&%',&) (

ONNN $!"' 2 ';='5@E'M = +@C'-A@'-'+B@'J, A+
E D'E@@A' A'+B@'E-SZ +' '.C@@D'+-' @++,@'+B@' @
@' -'J +'E@G-AD'D J>+@Z @ + E, B'8'JC A J,@Z

+(' EG' >+B-C +G'-C' C.>?@A+

A>JJ' B ' ' %. ' ' Z <Q' A-+B@C'5 +Z
@++,@D'EG' 3C' SJ@C ?@A+'-'+B@' A.@A ->' 3C' " ,@ Z Z
+B +'^@+ a' O)L': ' A' $2' *0' O=' $',0' 0' NQ +'
@,,' @++,@D' +B +' +B@' +C A!?, E ,+G-' -A+A.@A+' A+@ @ +'
'D- +C A@' JJ,G A.'J> ,,G'+-'C@ ,' AD' J@C -A ,'@ + +@
#' ' 0' -' CC A.@' ? ++@C' A'D J>+@Z +D' -?@'
+-'+@C? '-C' .C@@?@A+' 2 ''J@C -A

OPOQ 0'C$*' ' 0' !! (' 'OQOZ' 'B @' C +'D@J@ B@D'
3-A)' C@.-CGZ B-Z +@C' B@ E +B@' +@,,@D' +B' 3 -A 'D@'
-+C U' B ,' '^@+ a' OM=Q $! 2 !!'C$*' '83 +, AD'%,>E(
'-5-C?G' A' B C. ' A' @++, A.' G', D@A' BD'C@
A.'-'Gb'C@A+ Z XM -' ,(,& (' !& ($')%' 2' !!
8! " ! ('LL'#CD@C@D'+B)'>J-A' @++,D)J' +B'! ? +B'B'+B@'
+@@C?'+B ++'+B@'G@+ - '+B@'C @' +- U@A'?@A' C@'> #A'%B +'
B@'B @' .C +>+G'- 'L',@..'D-,,' C'S&--' 7 'A'C(C$*'
8;K<M(' ';<;' ' 'A-+' +,,'G@ +@CD G'+B +' '@A E,@D'+-'
@++,@' +B'+B@'3 +@C'-' A., B'3@C B A+? A' -C'?G'
-A @G A @
E' -'? U@' A' CC A.@?@A+Z))?J->AD'2 ' '

C@D +-C
SK)' 7 ' .' 0' $2' ,0 +"!' A' @S+C '>D
CC A.@?@A+' -C' @++, A.'EG' -?J- + -AZ A-' C@D +-C' A'E@'
C@ I> C@D'+B @' @J+'+B@' -?J- + -A'- @C@DZ >A,@ 'B@'J,@ @'
OK)'? o ' 5 - ' 'SSS"' O<= B@'C@ @C@AD'
O J+ +0@,,? A'B D'B@,J@D'B ? @,'+-'QL2NNN:' -C'
B B'B@' @++,@D' A'+B@'O AUC>J+ G'%->C+' S&&W $2' *0
OP' A'0'?0' 0' B@'6AD@C C+@C'-'+B@' B J'>,+ ? +@,G'
@++,@D' +B'B@C' - A@C' +'KK J@C' @A+

' $- 0' -' ,- @' 8 A' ->A+('EG' '?-A@G'
J G?@A+' +-'J G'8 ' - ?+Z E ,,Z -C@(' , -'
$!(+-' C +@' '@++,@D'' +-' 'E ,,Z +J'C@ @ J+' 8+(
OMKQ' = '<0 0' 0' ' -' @++,@' A' ->A+Z
!) ' &' 0 ;QML' G ' & - - $ "';8;QKO(OM @+'
>' @++,@' ->A+ Z 3C' & D> -G'G->,' @@A-'?-C@'-'?G'
?-A@G' ;K=N? o '$11" ' ! & "' Z ^ +' +B@'
--+' 'EA ('!@++,@DZ :>, A' AAZ ;K=K'] $'0' $ '
SSS Z D'B-+' .-' AD' @++,@'+B@' -C@' ;KMK' 0
! !$' '<!& (' 0>0(' A' A'J G':-BA' @ "E,Z A'
? BAD' A". +'B ?'+- ++,@'+
8!"#' = ') .66' " 0'E &!* &'SSS Z ' '
+A@GZ ;' ->,D' @ ->A+' +B' ?G!)Z -C' ,,'?G'B CD'
.B+ A.Z ' ?@' G' OKPO = 8 'E','!' &->'0
4 ';=K'7B +' A' >,' ->A+'+B@' U@D' C@ +>C@' '
B @'+-' @++,@Z +' +Z @ J) ,,G'-C'E@ A.',XG'.OKKQ'7'I'
('$&& ' '&' 'S ' ' ?'B@C@' +-' @++,@'
- > A+ ' +B'G->Z ?G' A@' @,,- ' ' >JJ- @' G->'+B->.B+'
+' ' ' @CG' @'+B A.' +' A >,+ AD'D@ @C+' ' .C,' B-'B D'
A-E-DG' +'B AD'+-'JC-+@ +'B@C'@S @J+' A'-,D'? A

E' $1 &(' -C' ' 0' -' @++,@' ->A+ Z EG' J GY
?@A+' %B @ ,G' -A +Z 2 (
OQ) ' ' 3 ' 5 ! ' '4NP2:' -E, .@D'+-'.-'+-'
+B@' AA'+-' @++,@' +B'+B@', AD,-CD' OQ<M ' ' $'
;<0' "@'B D' +,,' >J CD' - ' ->A+' A' B 'B AD Z -C'
B B'B@' ->,D' E@'C@ DG'+-' ->A+' B@A@ @C'E@' B- @' +'
@++,@' OKOQ ' & 0' $'&' $ 'Z !-?@' B A.@'+B +
'D>@'+-' ?@' -A' @++, A.' $'B' ?G'@, AD, DG' OK= R
B. ' A' C@ @,G A' % '8;KQM(';)P :'+B@A' ,,@D' +-'+B@'
+@ CDZ AD' JC@+@AD@D'+-'E@' @CG' AS ->' +-' @++,@' +B'B ?'
E->+' -?@'%- @@'+B +' 'B D'+ AD@ A' OKQL' &' '"' $.
S' 8@D'L(L B@'' @++, A.'D G'- >C+ @'A'@ B'?-A+B2

W6- '*6-'*0(=(D* 7 ='7?'*6-'L0-D-< K'?70* K6*'(0-'=-**4-<'
?70' 'D(=6' OKKM (6 ' 0' &- ' & 31.0=')'
' W- *' (<'3-KK-<'N"E ')70'*7'=-**4-'6-2)-' 'K7*' ('L4- *+'
% 0' ,'XK -'! ' 7 ' $!"'( )$'=N 7 B@A'B@'B D'D-A@'
AD' @++,@D' +B'+B@' -C,D

1' %-?E' ' ' @++,@ EC AZ -?@+B A.'
+B +' ,?'+B@' EC A' @++,@ D- AZ '&', 32 0('
,- U' @++, A.'D- A

OMO< G ' & ' !0 ;;' Z! CZ 'G->C' +-? U@' JG@+'
.@+' -?@' C?@'J-CC@D.@' A'G->C'E@,,GZ'+ ' @CG'.--D' @++,@Z
EC A@' OM=N 2 ' *& ' ' Z 'B @'G@+' A' @A+@CY
+ A?@A+' -C'B ?Z # 'E@++@C' !@++,@ EC A@Z +B@A' /C>AU CD'
J-CC D.@' OM<O ? '<&&' &) 2 0 SS 'O;L' %- @@' '
+B@'/C>AU CD' !@++,@ EC A' OKPP 6 C' ! &''' ;P' U@'
+B@' E@ I>@C -CU' & @?@A+ - ' - @C@D' +B'+B ' @++,@'
D- A'-'D- @

!@ + ,@ E,@ ' '-)32 0 ^ O a % J E,@' -'
E@ A.' @++,@D
;KLQ = ' -(8;KPM(1 'ONO '"@' @@?@D'+-' -A D@C'
+B@' B-,@' +B A.' ' @++,@DZ -CZ +' ,@ +Z @++,@ E,@' +B->+'
AG'D >,+G

-**4-<',=- *Z4</ YYY'$0 O?' ('R ':G
' # '?@A+ ,' + +@ Z J>CJ- @ Z B E + Z @+ ' 5 S@DZ
C?,G'@?EC @D' -C' ?J, A+@D' E@ -?@'C@.>, C' -C'
> +-? CG' >A B A. A.Z AAD@ + A.

OPPM 6 ' * ' ' 0' ' K #B' -D GA@' -C- @Z
C-?' @+,@D' -, ' OPMK< - &' &%' $! - ' ' ;Q B@C@'
+ G@D' A' ?@' -' @++,@D' +C> +Z +B +' +BG' B +', @ ' -,D' A-+'
E >@' G@,D@D' +-' A, >,' ,> +' ;P<<' '-$ 0
8OKQP(;'O O>+' '*>D.@'+B@'E@ +@Z -C' A'D-E+@' ' ,,'A-+'C@ ->@'
+B' ' @++,@D' ,>D.@?@A+@' $';MSQ 'C '$', %& ' '
A '7 U' ;MOK' :'OLP' ' @++,@D'E@A+' - '+B@' ->,@Z A'A-+B A.'
+-' AA@' A +')' OM<L' 'C & 0' ,0' 0') 60
8;QOO(,1 ' ;0'5-C' , ' B +' ' '3-D@'-C'5 B-AZ E>+' -A,G
'-A+ A>@D' AD' @++,@D' &C + @' - ' .C@ +' 3 ' OQ;O
' * (-' L=<' K' Q' "@'D @D' >AD@C' S@D' AD'
@++,@D' "-J@'-' ??-C+ ,+G' ;QK= 6: ' &,0QQK'7B@C@'
" ' C+>->'+-,' ?' G'+@C? A +@' +', +' A' @++,@D' B E+
AD' D@ D@D' + +@' OQ)' 8 ' $ "($ '&% ' '' '
'"@C' ,@A @' ?J,@' B@' -?J- >C+@' ' @++,@D' D +C@ '
OKPM 0' ? (0 4 4 '=;' '-C@?' A'+-'+B@'@AD' -', @'
+B@' A'+-' @++,@D' C@, .->' -J A -A' OKQ= K
& ' ' W' ' ' 'BE' @++,@D' J>CJ- @' +-',A.'-'+B@'
G-U@' -'+B@'O C-A .@

E' # '+E@'? ADZ B C +@CZ @+ '$@AD@C@D' + DZ
+@ D +Z -C' -E@C

8 !' & !' .0 8 CE(ONL' & @A @' +BG' @+,@D' ?AD@'
D-+E@' .>D@' AD' +@C@' OMN=' ' $-(8F-'O(' '
K;'5-C'G->+B'A-',@ @'E@ -?@' B@', .B+' AD' C@,@ @'6 A.'
+B +' +' @ C@' B@A' @+,@D' .@Z B ' E,@ Z AD' B ' @@D@'
OMOO]' ' 0' 0' 'QO' -' @+,@D' !@A @'- '+B@'7-C,D'
A'? + B' B@'J,@ >C@' -'+B +' DA@ @' OMPN " ' = '
1 0' A' ') 0' 0'8;MPM(.M' 7 B +'G->'B @'D@, @C@D'
) -A @CA A.'+B@'!->,' -'? A ? .B+',)-?@' ' ? A'-' '
?-C@' @++,@D' BC?A'+B A' A+BC-J- -JB>' ' $%>+' 3)
" @ & ' ;,' ' -' -C'JC D@'A-C' C@AXGZ E>+' ' @+,@D'?AD'
+KOO ' 'V ' !Z 0 S,Z 7 G, ADZ A- ' ' ? A' -' @++,@D'
%B C +@C

%' # '+B@' ->A+@A A @' -C'E@ C A.' AD + A.' '
@++,@D'J>CJ- @Z ? ADZ B C +@CZ)

;OPKM) ' ,$ $' '8!-??@C(' 7 +B' ' @+,@D'
%->A+@A A @Z A-+' > A.' AG'U AD' #' A CD@' ?-+ -A'
OMNL' $ 0'& ' 0' A' '<N B '-> CD' A+@D'
/@J>+ @Z 7 B- @' @+,@D' .@Z AD'D@, E@C +@' -CD' J'
G#>+B' '+B'B@ D' OMOO = '+C' ! -$'>'<)0-$' ' > !%0
'OOW 7 +B '.C >@ ->A+@A A @Z ' @++,@D'. +@Z AD' -CD'
@,,' J +@' XMK-' 8 ' * $'' ' Z A'G->C' @++,@D'
& @' AD' ,->D@D' OC- ' ?@+B AU ' ' %@ ?G'5 +@' OKOP'
'? & 'S '$- @' 'B@C' B@@U' >?@'J ,@C'E>+'
?-C@' @++,@D' B>@Z A +@ D' -'+B@' A.CG'B@ + ' B B'B D'
-,->C@D' +-' OKL< ' ' * ' 'A' L;' A+ I> +GZ
+B->' + A E-?+' B + ,--U'+' +B'D ?'E>+' @++,@D'@G@'
#'@C'+BG'D@@J', J

/' # ''? ++@C' A'D J>+@Z A' CC A.@?@A+Z C@.>, Y
+ -AZ @+ ' /@+@C? A@DZ D@ D@DZ @A +@D' -C' .C@@D'
>J-A' + C>+BZ 'JC A J,@' + E, B@DZ J, @D'
E@G-AD'D J>+@

A/>O' ') '8 CE('KOZ +' AD@ +'A- ' -C ' @+,@D'
+C>+BZ B B'@ C +'; -?J+@D'-C' >@ + ,AD@Z +B@A' +B@
J>CJ,@' DG@' ,,' A@>@C + A@'^@+ a' OMLK J 8 ' C$ ' 0
' ' + '+B@A' @SJ@D @A+' +B +' @ B->,D' A-+'
AD@CZ E>+' C +B@C' -,,' @++,@D' B-C+ G' OMMO
#' 3 '+C' ! $) &"0 - 1$ 0 3" B- @' B-'
C@' @A+@C+ A'D' A+-' B ' !@C @'B @ @' @++,@D' J G' +'
+?@' SMMM 71.' -0 8;MQL(O;' B +' +B@C@' E@'A-'
-?J, AA.Z A +@' +B@' @%B>C B@' -C A+ -' @++,@D' AY
+@A A @' OQ=< PN J ' $-1! ' -'X 5' B@' @++,@D'
AD'C@.>, C' -C?' - ' ,>+ + -A' B B' A@ @ +G' B A+C-Y
D> @D' A+-' ' ,, A.> .@' OKNL B' $', 0' $ '8OKOO(
4, PLQ;' ' AA-+' >J-A' AG'D->E+' -?@' A@ B U@' B +' '
+B@' @++,@D' 'J>J-A'+B@' >E*@ +Z KMN B L 'E' &'
$ 'e'MNZ ' B'+B ' @C@' ' @++,@D' I>@ + -A' A' -AD-A'
? CU@+' OKQN = ' $!"'C$ ('LKM 7 @' ,-U' +'
B@ @' C-?'B ?' ' @++,@D'D G'7 B@A' @'?> +' B A.@'->C' +B'
-C E D@'+B@' -C +

E' &BC' ' ! ' ' ' 8-C' -$ >(> @D' JC@'
D + @,G' 8- +@A' bf -?@+B A.' E->+' B B'+B@C@'
-A D@C@D'+-'E@' A-'C--?' -CD->E+' -C'I>@ + -A(Z
SKSK' '? ($- -(SS Z' :'+B->.B+'Z D'E@Z '"'+B +'
' ' @++,@D'? ++@C)+B@G' C@' -A+ A> ,,G'+-.@+B@C' ;KL<
)11' '$!0' JC'4;Z7#'LNP'!B@' '+-,D'+-' ,
?@'B@C', ++,@'B> E AD' AD' B@D D' AD' +' ' -A D@C@D'
@++,@D'+B A.' C-?' +B +' D G' OK=P ' "1 !' 2
' ' @++,@D'+B A.'E@+ @@A' DG': -A' AD' 3C' 3 ->A+'
B@ A@G' -' +'+B@' , .B+@ +' ->AD + -A !B@' 'A-+' A' '
B>CCG'+-' ? CCG'Z OKPL' = ')# $$' $'%L (!+,,Z
+' ')'A-+' +' ,' ' @++,@D'+B A.'+B +' 3C '&+X D ?' +-'
E@' +@D' ;KM=' ' ?& .' & '' 'S 'OQOZ
B@'+ , .B+'B D'E@@A' @++,@D'+B A.' -C' +' ,@ +' A' B->C'
SKMK " ' . B' ' $1 ';' % +' 3 C @ ,,@ Z
B@C@ +' ' A' >AD@C +--D' AD' @++,@D'+B A.' +B +' @ @CG'
A., B? A' '-A'B ' GZ +-' -C C-?' + ,G'-C AD

L' #' ,& C Z A' A + +A+ -AZ -C' +B@' , U@' + E

! /2

, B@)' -A' ' J@C? A@A+' --+ A.' AD' >AD@C' S@D'
-AD + -A ' -C' C@.>, +

;M=K)' .&''?$ 0' S ' ;=<' ! A @' +B@' C +' .@2' A-+' -A@'
S ?J,@' A' E@@' JC-D> @D' - ' A @' @++,@D' %B>C B2' B@C@ A'
@C@' ? A @' 3 A +@C ' AD'%-A.C@. + -A 2' B B' B D' A-+' -?'
0 B-J' E- @' +B@?' 9 & %? C ?>8 %V$! B% R#' 3 A'
A' B ' ?- +' @++,@D' @ + +@' ' ,+-.@+B@C' A +G' 0 BO3 '
' &-*(' -*! '8C -O(' G' !> B' ', E@C+G' +E)@ -C@' AY
A-+' E@'.C A+@D' A' ' @+,@D' %B>C B2' BO ' '- ' -(' $ $ '
'8;K=N(' OP<' B@' J C, ?@A+' B D' A-' @++,@D' C?G' ;QML'
' (' 7U '8;QQL(' '&C@ '/K2' C ?? + ,' AD'
@++,@D', A.> .@ ' ;Q<=' B ' & (' 8;K==(' 'OP=' !@++,@D'
.- @CA?@A+ 'B @' A-+' +B@' E-,D' C@ ->C @ '- 'A@ '@SJ@C ?@A+ ,'
G +@? ' ;K= ' BC - 'T' &)'$.' - '2 "' 2' ', AD' - '
@++,@D' .- @CA?@A+2' ; ' - B) ' 0' ' 0' S S ' ';;<'
' @++,@D' .@' A' ?J@C @ +,G' -?JC@B@AD' A' .@' - 'C@ -,>Y
+ -A ') ;KKL' & ' "T' ' B ' & "' $' !' 'K' +' > B' + ?@'
'+B 2' B@A' +B@' @++,@D' -CD@C' - '+B A.' 'EC@ U A.'>J

! ' 5 S@D' A' J, @' -C' J- + -A ' B A.' ' S@D'
E-D@

;P<;' ' ' -(' !(' ' ' ;NM' O>+' A- '+BG' A U,@' '
C@?->A.'B@A @2' '&C A @ 'D-@' +B)C' %->C+ 2' B@A' +B@G' C@'
,-G'D' 7 +B',-A.' -A+ A> A @' A' ' @++,@D' J, @' SMS' . '
'V ' H] ' ;L2' B >@ >C@,)CE> U+B@@+> B-> @+-D @, A2'
' @+,@D' J, @' -C' +B@@' +-' E D@' (' -C' @>@C' ' ;MLL' & '- .
,(' !(' 'S 2' B@' @+,@D' C- U' @@?D' C-?' B ' @ +'
C@?- @' ;M=P' , T' & ')' &- -('%& ' ! , (')! ' 3G'
! 'O' A' +B@' J, @' B@C@' B*W' ?- +' @+,@D' D @,, A.' AD'
?J,-G?@A+' D-+B', @' $'$>++' 3 . ' $ "'< 3 C' 4MPO2'
-' ?-C@' A+@AD A.'+-'.-'->+' - ' A., AD2' E>+' @AD@ ->C' '
@++,'D', @2' @ +B@C' '+B '-C' -?@'-+E-'J, @')$>J['#
&1 ' 1" ' $' /@ C' ' =Q' B@G , @', U@' +B@' C E 2'
+B->+' AG' @++,@D' " E + + -A ' ;KLN' 3 ' '). ' $2'
C&*)!(' ',S ' ;=M' ! A @' ? AU AD' B @' E@ -?@' ?-C@' @++,@D'
AD' A>?@C-> ' SKM ' . ' 6 2 0' (' 8;KQQ(' ' S2' ;<;'
O@ -? A.' ' @++,@D' A +@ D' - ' 'A-? D 'J@-J,@2'

E ' # ' A' ,?@A+' 5 S@D' A' +B@' G +@?

;K;4') ' = 7 ' -(' 8;KMO(' :' =Q<' 'E D' -,D' AD' '
@++,@D' ->.B

M ' # ' @ +B@C' - ' ' J@ @D' B C +@C' + E '
, B@D' AD' ? A+ A A.' + @, ' +B->+' B A.@' -C'
EC@ U' 8 ' M' (' # '7 AD' O,- A.' -A+ A>Y
-> ,G' A' -A@' D C@ + -A

SMXK' ' &"(' 0' 8;!MK(' &' E@' >CC@A+' D D' +B@A'
@++' +C-A.,G' ->+' - ' +B@' (' B B' ;' AD@CW+ AD' '
> ,,' +@C' @++,@D' @> A+' A @ 2' +G -' &"$!' &) ' '<
B@' ?, A.' J@ +' - ' C+B2' !@ 2' AD' C2' ,,' -C' ', + A.'
% BA2' AD' !@++,@D' & >C' ;QS<' ' - ') & ' ;' 8 ,-E@(' QO'
- ' +' E@. A' +-' E@' @++,@D' C' 7@ +B@C' O>J>'Y ' 7"
V' <0' '),,$> ' -(' 4=L', ' '+B@' ?- +' @++,@D
AD' D- AC .B+' $ A' 4$\' +B@' ! G A.' (' +B +' @ @C' ' ' ;Q<K'
! ' 7 ' ' ' '&'' $ ('&-@? '8;KSO(' ;MO' AD' @++,@D'
>A B A@' -A' B@C' ->,' D@ @AD' ;' SKSK' '6)$''; '@S@ 2'
'C-,,' +B@' @ ' E@ -C@' +B@' @++,@D' AD' $ J>' B '
C ' ' '&C@ 2' $ A.' ? ' J C + '+-'+B@' D@.C@@' - ' @++,@D'
);' $ >+' 2 7 ' % ' ' %& ':' ' ;LM' 7 B +'
' + >AD@C' - @C '+-' @++,@D2' !@+ A2' E D' @ +B@C

3' # ' @ +B@C' 8 +B->+' -+B@C' J@ + -A('
% ,?' AD' ?@

;Q;Q' A' :' # '& GA@' ,(' X' 0' $ &!, ' h "'8;KK<(' ;PM'
!> B' BC G@' @++,@D' @ +B@C' '+' A 'E@@A' @ @C' A @' G->',@ +'
> ' ;QL;' = . . ' A$ 0' 0' ') '- - CD ' +B@'
, ++@C' AD' - '3 G' B@A' +B@' 7@ +B@C' JJ@ C ' @++,@D' AD'
C?' ;KLN ' = 'A' $ "' & $' ' - 0' 8;KMO(' 2' L;O2'
' ?' JC@J C A.'+-'+ U@' D A+ .@' - '+B@' @CG' C +' JJ@ CY
A @' - '?-C@' @+++@D' @ +B@C

: ' # ' ' , I> D' -+' ,- A.2' +) A+2' - .>Y
, +@D ' , -'- ' A@' B +' B ' ' @++,@D' -A' +B@' ,@@ 'H'
;P<Q' 'O' '0' (' ' ' ;;O' B@' C? A.' - ' +B@'
O,--D ' B B' E@ -C@' 8 -,D2' ID' @+,@D(' ,@ +' +B@' >@C' B +@2'
AD' J ,@' ;MN=' ' 2 ' C' LM' B@' ,@@+' B>CCG A.'
,--D ' ' '))U', U@' -C' @+()' A C B' +--D' +' +B'@S+@A '
>C@' - ' +B@' "@EC@ @ ' AD' ' ;MP<' ' 8 . .' &,$1(' ' '
, (' S !2' !@++,@D' A@ ' ' B $ &:' '' $ (' SMK '
8 ' (' B' 'PK' " '5 @' 'E, U' AD' @,,D' +B'
@++,@D' O,--D

2' B +' B ' >AU' D- A' -C' >E D@D ' # ' @ C+B' '
%-?J +@D2' -A -,D +@D

;M= ' ' L 'C ',0' ' ! (' A '8@D' O(' =K' B@' +8)J A.'
B B' ' ? D@' A@ ,G' 'A-+' -' ,C?@' '+B@' -,D' @+,@D' C+B2'
B B' B +B', A' ' ,-A.' + ?@' A' +' ;QP;' . ' -('
? 'KN' B@' >C+B@C' - D A.' - '+B@' @++,@D' & @C' ->,D' E@'
D A.@C->

P ' # ' ' J@C -A' ' + E, B@D' A' , @2' @ Jb' EG'
? CC .@' EC->.*+' &' 'C@.>, C' G' - ', @

$' $>+%' 3 . ' 0' <& & * '' 8XKKK(' ;OK' 7 @@' ,,' ,--U@'
JJA' +B '4k DG' A- 2' ' ' @+,@D' 7-? A2' AD' A' +B@' C @ '
- ' +B +' @S @,,@A+' &@C -A' +B@' ?- +' -C+BG' +-' J- @ ' B@C2'
4QQQ') ' .(' ,$ $ '> ' '&, G '8;<N)(' ;M<' 3 @C G'
#A' ?@] "@ ' .C@ +,G' ,+@C@D] AD' @@? ' +-' B @' ' @++,@D'
? CC @D' ,--U ' ;KK=' K' ' H ')1 ''83 ' 3>C C@@(' ''
'' ' 0' KL' ' @++,@D' ? CC)' ? A2' E@B A ' A-'
E@++@C' A' +B@?' --,' E-G

E ' + E, B@D' A' A' - @' -C' , A.' * ,(' - '
&C@ EG+@C A' ? A +@C '8 ' . ' ' $%' E(

;QQL' ''0' 0' ;=K' 3C ' C@@ @' '+-'B @' JC- >C@D' +B@'
J, @' - ' ' @+ ,) + D@ ? A' -C' 3C) -BA' !? +B ' ;QKP' < ' !('
$ (' 4+ ' 'L<4' B@' @++,@D' $@, @ '? A +@C' +' C A@'
$' ;KSQ' ' 8 7 ' $ 0' 2 3 ' 0' 8;KOL(' 'L<Q' A' +B@' G@ C'
4Q<K' +B@C@' @C@ + - ' B>ADC@D' AD' -C+G + -' ? A +@C ' - '
B-?' +B C+G +BC@@' @C@' 7 +B->+' AG' B C.@' -C2' A' +B@', AY
.> .@' - ' @ IA., AD2' 7@C@' A-+' @++,@D' ? A +@C

' # ' A' @ + +@' -C' JC-J@C+G ' !@ >C@D' +-' 'J@C -A'
EG' ' .@. .' +' -C' .C@@?@A+ ' B@.D' EG' ' +@A A+' -C'
, @' >AD@C' -AD + -A ' D@ A@D' EG' +B@' D@@D

;KPK' 'S-' #' ON' 0' @' ;ON' 4 ! +T' A' +' +-'
@ @' AD' ! ,@' - ' !@++,@D' + +@' ' 1 0' e' B@' @C?'
@++,@D' + +@ B ,,' .A G' ,' "@C@D + ?@A+ 2' AD' ,'
+ +@ 2' B B' C@' +B@' !>E*@ +' - ' !@++,@?@A+' SKK' ,'
7R' #' 0 ==' %, 0' 'LK' 4 !H' A' +' -C' , + + A.' ! ,@ 2'
@ @ 2' AD' -+B@C' D) - + -A ' - '!@++,@D' AD' ;KK<' C .$ 3'
& ' $2 ' 5 0' 8@D' K(2' ' !'$) (', AD', ? @A+ ' @' G' G'
- ' > @ -A2' +-' 'J@C -A' -+B@C' +B A' +B@' J@C -A' -C' +B@' + ?@'
E@ A.' @A+,@D' +-' +B@' E@A@ ,@A*-G?@A+' +B@C@-

3' # ' ' ->A+CG ' &@-J,@D' +B'
-,-A X@D' , -' ! 3)*0

0 ;KL;' ':' (' & 0' ;O' A' +B@' @++,@D' J C+' - +2'
+B@' AD 'D D@D' A+- ' ? ,,@C' C? ' 4KL< =N ' 1 C'
! & T ' && (@+ ' (' ' 2&& ="0' '<NV' :'B D' C@, + @'
A' @S A.+-A2' AD' -+B@C' @++,@D' J, @ ' 4K<Q
' ! $' $%& 30 %' !B@' E D' @@A' -. @' - '+B- @'
@++,@D >J' J C+

;; ' # - J '$@ A@DEG + A. A' +@C-C @ U,G@
;K<K 2' " ' ' B ' &$*' 6' OOK BC@@' B @' C@+@' -
B CD' - J' 'UA- A' 'T >CD' T' ++@D' -C2' A' ?@C 2
T' @++,@D' 2 AD' T' C>A' - J ' ;<NM ' ' ' $))%'
&$*' S' LOK !@++,@D' $- A@D' !- J2

+'!@ ++,@D,G2' (' Y". I!V A' ' @++,@D'
? AA@C

M- '5 ' !1 &'>' ' (S ' J +'LMN' B@' C +' 9 A.'
D-?@ '9@A+' +' @+,@D,G' E@. A' E->+' +B@' G@@C@ =Q!'
$';M;Q' 'C ' '$', %& ' ' 'S) '7U ';MOK:OML' 7 B@A'
E@@' D-+B' D> @D,G2' AD' @+,@D,G2' AD' +B' D@, E) + -A' AD'
J>CJ- @' D-@' +B +' B B' ' A >.B+' ;MLP' 33 ' (
8;QP<(' :2 =;O' -' B@ 'G->'B- ' B@ C >,,G' AD' @++,@D,G' 'C@Y
? A'1->C' -CD BJ' 2' ?- +' B>?E,@' !@C A+2' 7@A+ -C+B'
SMMK "' = ' 0' $!0' '6'8;Q;L(' O<;' B- @' +B +' @ +B@C'
, .B+-C' ? E@, @ @' #>C + A+G 'D-A-+ @C ->,G' MC' @++ @D,G'
E@, @ @' +B@C@' ' ' -D' ;M<O' 1 (' &', !0' ,0' P
3@A2' ?-A.' B-?' ! C J>C@' ' @ ,@D,G' C@ @ D

!@++,@DA@ ' 8 @ +' ,DA @(' Y" V' B@' + +@'
-C' I> ,+G' - 'E@ A.' @++,@D' 8 A' C -> ' @A @ (

5C@ I>@A+' A' ;Q+B'
;PQ;' < .) 7' $! ''&'' C 0' 2 ' B@' T @ +@'EG' 7 B B'
-CD' B@' E@+-U@A@+B '+B@' @++,@DA@ @' +B +' ' -A @>@D' -' +B@'
-A+ A> ,' > +-?@' -'A A.' ;MNQ' B -) ' $
SM ' = 'C ' ! - $'>'<)O-$'' ! !%(;P;' B@ C' @C@'
' > 2' &)'(1->' C@' G->C' @, '?G' -CD2' ', U@' G->C' @+@ DA@ '
^+>CAa' +-' ' -,A@' @++,@DA@ @' \' D>,A@ @' - ',--U' ;M=O'
-B.. ' &!"' =' C &%(' 0' 'SS 2' OO;' ; B@' ! G+B A'
ADC A.' -? D@ 2' A+ A.'E-+B' ,+G' AD' @++,@DA@ @' AD'
0 !> 0' ? $ 0 &) &)!55V (PL' -CD2' -CU' ?G'
B@ C' +-' -' C @' @+,@DA@ '>J-A' +B@@2' +B +' ?' G' A@ @C' E@'
B U@A' ;MML' OJ ' 'C$ $1 0' C ! 0' SS, '8;MMP(' O=K'
!@+,@DA@ ' +@D A@ '-' ?AD2' $'O %'' .'C -' 0'
$'0' '8;M)('S.M' B@' A+ I> +G' AD' !@+,@DA@ ' - ' +B '
3-A C BG2' $'$ 9'< ' 5$-0' E ! ('C !& (S '8;KQN(
;<P' B@' D C? A +@A@ ' -C' @++,@DA@ 2' +B' B' B' ?-C.
A-+-A' JC@ @A+' +B@? @, @ ' +-' +B@' ? AD' ;KQP' : " ' CC'
' ' " ' ' =L' B@' J,@ A+' AD' -,D B B -A@D'
@++,@DA@ ' - ' +B@' +- A- ' J -C+B' OKQQ' ' ' $' (
,& ,$ $' #' ' $ $ ' OP' B@'.@A ,' ? +' - ' @++,@DA@
^A' $> a' ' @@A' A' +B@' @ ' +B' B B' +B@' J-J>, + -A'
?- @' C-?' J, @'+-' J, @'

!@++,@?@A+' 8 @+ ?\ +(' ^' . ' ' ' i'
% :' [' B@' J, A.' - 'J@C -A ' -C' +B A. 'A' '
S@D' -C' J@C? A@A+' J- + -A
' B@' +' - ' S A.'8 ' +B A.2' ? +@C ,' -C' ?? Y
+@C ,(' A' ' @ >C@' -C' +@ DG' J- + -A ' +B@' + +@' - '
E@ A.' - ' S@D' ' S@D' -C' +@ DG' J- + -A
;M=K OJ' ' ..'? $ 0' &)' &)!' e' L' L'% A' G@' B-J@'+-'
AD@' C@' A' A' AG' - ' +B@ @' >E,>A CG' -A+@A+?@A+
B- ' A' +B@G' G@@,D' AG' + G' +-'G->2' +B +B@ @' A-' @++,@?@A+'
A' +B@? @, @ ' $%>>' ' !0' - * & 0' P' B@'
7 AD' AD' D@' +C->, '+B@?' ^C '+B@' ! AD a2' AD'. @' +B@?'
' @++,@?@A+' ,-A.' +B@' !B-C@ ' $ A' ' $! -0' S 2'
OC A.2' '+B->' A +2' +BG' @C A.' >AD@C + AD A.'+-' 'C .B'
@++,@?@A+' -C' '? A>+@' -C' + - ' $ J>' ' $' 0'
S 2' ' +' C>AU' >JC--+@D' C-?' ' A @A+ @++,@?@A+' $O+O'
. . B ' A' ' ,"!0? ' (' 8@D' ;N(' 4 4 4 'M;; O' @A' ?-C@'
@' D @ ' E@. A' +-' ,- @' +B@C' @++,@?@A+' 2' AD' @C@C@ - .Y
A X@D' '+@C?' - '@C @ 2' '+C A +-CG' -C' >,?A+A A.'JB @

O' + E, B?@A+' A' J@C -A' A', @2' A' ? CC .@2'
A' A'- @' -C' @?J,-G?@A+

4MP4' 5 (' % ' & &' ! D(' & &' 0' D' =' E2' B '
^ C' +B@' &C-1#!+ E J' - ' +-A' %-,, a' ' @ C@' @+,@?@A+' -C'
B '?AD@' SMM-' $' 0 "' ' ' ? . +C +@' -
A' B->C' ' @++,@?@A+' ' '?>B' ? . +C +@' ' B@' E D'
E@@A' -A@' A@ @C' -',-A. ' ;MO $' S 7 ' $1! ' S '
OP=' @CG' 3 A' JJ, @ ' B @, +- CD' +B@' ++ A A.' -'
B ' AD' ' B@+B@C' +' E@' "-A->C2' 7 @ ,+B2' &- @C2' *6' AG'
-+B@C' -C+-' D A+ .@)' -C' !@++,@?@A+' A' +B@' 7-C,D' ;)=<'
2 ((' '< ! & ' A' '8;QKO(' 'O;O2' ' B ,' AD' A-'D'?'
>,+G' A' JC- >C A.' -' C'G->' ' .--D' @++,@?@A+' ;QKK' K
(' !' "' " ' ==P' B C+G' +B->' AD' &@C A2' B-'B D'
-E+ A@D' @C @' AD' @++,@?@A+' A' +B@' O X A+ A@' @?J C@'
SKMX = "' 5 0' 7 ' 'S 2' B +' 3C' % C,G,@'
A-+' - 'C AU' @I> ,'+-' B@C'- A' B@' C @,G' C@?@' E@C@D'
GAA@' @@?@D' ' @CG' C' @++,@?@A+' A' 6 @2 >J@C -C' +-'
+B@' B-?@' B@' 'A- ' A' KMS' 2&' & -&' ' O<=' %-A)'
+C CG' +-' ,' +B +' 3 C' % CD' B D' @ @C' DC@ ?@D' -C' J, AA@D'
-C' ' @++,@?@A+' -' +B@ 'D >.B+@C' AD' +B@?' CC @D' + +@

@. ,'C@ D@A @' -C' @ + E, B?@A+' A' 'J C+ >, C'
J C B2' @A+ +, A.' 'J@C -A' +-' C@,@ 'BF ?' +B@' J--C'
C +@ ' +B@C' .B+' +VC@, @' I> C@D' EG' > B' C@ D@A @
SMM ' ' ;=' &, 0' (' XO' e' L' ') +B@' J@C -A B ,' A-+'
J+>?@' +-' +B@' J, @' -C@ D' B@A' B ' -CU@' ' A B@D'
+' B ,' A-+' E@@' ' ->A+@D' '!@+,#@?@A+' A' +B@' @ ' @
D' ;MK<' A' +' ' ,@G' 0' ? ! &' 8;K<L(' P< 5-CY
?> B' - ?@' J@C -A' EG' >,U A.' A' +B '%-A + E,@'
U2' B @' >CC@J++ -> ,G'. AD' ' @++,@?@A+' A@D' ;QN=' :'
2 (' 0' < 0' ? 0' ' 'S' 8@D' O;(' =OL' B@C@' '
'7-CUB->?@' A' O B-J. +@ !+C@@+2' -C@?J,-G A.2' +B@' >' B'
'B @' A-' !@++,@?@A+' ;QOQ' ' - 'C!$) '8;QP=(' ;;L'
3 AG' - +B@?' @C@' +B-> ' B +' @'),' 0. ' !@+6@?@A+'
AD' - ->,D' A-+' , ?' -' +B@' & C B@' ' ;Q<;' ' K 2F
' ' ' ' (& -0' 8;KN<(' S ' ;LK' O>+' ' --A' -A A @D'
'@?' B@' B D' A-+' + D',-A' +@A->.B' A' +B@' J C B' +-' . A'
@++,@?@A+' ;KPQ' = 6' C$ 2 ' <&! ' A+C-D' ,
+' -A@' 6A -A '+B@G' B D'+-,D' B@C' +B +' B@' ?> +' -E' U' +-'
B@C@' B@' B D' E@A@' E-CA2' -C' B@C' @++,@?@A+' '+B@C@@')' ;K<K
$!"' 2 'ON:>,G'K=' B@' $JJ@ ,' A - ,@D' ' !>@ + -A' ,'
' +B@' @++,@?@A+' 'J >*J@C B-' ' E-?' +' &,G?->+B2'
E>+' B D-A@' A-' +' -. A' ' @++,@?@A+
! ' B@' +' - ' @++, A.' -A@ @, 2' -C' + +@' - 'E@ A.
@++,@D2' A' ' S@D' J, @' -C' J- + -A2' A' 'J@C? A@A+'
E-D@2' @+ '
$' QNN' 1 (' $ "' <' 3 C' ;MPO2' ' @A+' +-' /@J+ -CD2

B@C@' ;' ? D@' JC@J C + -A' -C' ?G' @++,@?@A+2' A-' ?-C@' AY
+@AD A.' +-' .-' ->)' - ' A., AD' ;QS<' ' G ') & ' '
8 ,-E@V ;;O' B ' ,++,@' ? DC A.' :->CA@G2' +B->+' @++,@D'
&, @' ' E-D@2B D' E@@A' -'>AJ,@ A+' +-' ?@2' +B +' ?G-' A'
"-> @2' ' ' ,,D' +' +-' ?G' @, 2' ' 'J@C @ +' !@++,@?@A+' -'
?@2' -?J C'D' +-' +B +' ;Q<;' ' 8 0(' ' & (' ;O' /@
#' & 0' 8KMX(' 'L<M' -+B A.' A' E@' UA- A' +' ,+-@@A
@++,@?@A+' A' +B@' A@ ' B-> @' AD' A' - @+G' ' -?J,@+@D
;KKO' &! ' & %' $' ' KP' !B@' E@. A' A 2' +B ' ' -?Y
-C+ E,@' @++,@?@A+' A' +B@' B CZ' B B' ?@ A+' ' .--D' ,-A.'
+ ,U

.' A' &C@ EG+@C A' B>C B@ ' B@' J, A.' '-C'
A + ,, A.' - ' ' ? A +@C' A' 'J +-C ,' B C.@D

;QOL' 7-/$#' & 0 m;K=L(' " ' ;=' #>C' @++,@?@A+' C@'
+>CA A.' @S+C@?@,G' @S + -> ') ;KOP' J 2 ' !>JJ,'
! ' 2 ' -A.C@. + -A ' D' +-.@+' ' @++,@?@A+2' B@A'
+B@' & ' +-C' ' A+C-D> @D' +-' '+B@' D B C.@' +B@' J +-C ,'
- @' ?-A.' +B@?2' ! ' 4K=O 7 '3' C 0
0 ,& 0 MMM C@ +' -JJ- + -A ' 'D' +-' '+B@' @++,@?@A+'
EG' +B@' J->' J C B -A@C ' ;KP=' " ' = ((' ,(=' ,-0
'L+' ,,@ J@' E D' E@@A' D@J- @D2' -C' C@> A.'+-' +' A'
+B@' D J>+@D' J, @' ?@A+' ' A @CU@,+B A.
M ' A@' +' - ' @++, A.' ' -,-A +' -C' A@ -?@C '
+B@' +' - 'J@-J, A.' -C' -,-A X A.' 'A@ ' ->A+CG2' -C'
-' J, A+ A.' ' -,-AG' 8% ' @A @ ;=(

&BC @2' &' %% ,'$' ! - ' 0
OKOQ &' 8 C 2' 0' 0' $!' ' KL' +' ->,D E@' @,,2'
,-2' +-' ++@?J+' +B@' >,+ + -A' -' +B@' A' -?@' J C+' -'>C'
-,-AG2' EG' ' @++,@?@A+' ' %B A @ @' ;KPN 7' 8 ' 0'
< ' ' e' 'K< B@' @++,@?@A+' '#C @A+ ,' -,-A@ ' A'
C@@' @' JC-D> @D' @D' A-' @A E,@@, @ +' -A' +B@' B C +@C @ +B@C
- '+B@' A.> .@' -C' +B@' A -A' KP;' / '5 ('C .0' ''0'
;KML(' ' ;QN' 'E AD' 'J -A@@C' @ @ +@D' ' @++,@?@A+'
-A' +B@' ->+B@CA' J C+ - ' C.G,@ B+C@' OKQ= K ' &
0 'e' O 7@B @' +C @D' +B@' C>D ?@A+ ', '->C%-A ++>Y
+ -A+-' +B@' C +' ?-?@A+-' '+B@' A., B' @++,@?@A+' A OC + A'
;KK=' $!!' $!!'<$O(K!@J+'P X' B +' C@. -A' +' A-'D D@D'
A+-' ->CD +' JC- A@] A E- 2' ! U + B@ A2' 6'
E@C+ 2' AD' +B E] A' ,,' - ' B B2' @S @J +' B@', +2' @++,@Y
?@A+2' 'C JD,G' JC-.C@ A.
$' %0' OK<M 6 ' 0' ? \' K<Q' O@ A.' ' .C@ +' AY
D@C@C2' m)' +B@' C@@ !J CC- a' B '@ @ +@D' @++,@?@A+' '@ @A'
A' > B' C@?-+@' , AD' '+B@' 5 @C-@
' CC A.@?@A+' -C' C@.>, + -A' 8-' ' C 2' @+ (

2' B@' +' - C' JC- @ ' - ' C@.>, + * .' -C' J>++ A.' A.' -A'
'J@C? A@A+' --+ A.' A' '+B@' E A.'8J>E,
C 2' @+ (' A' @ >C +G' -C' +C A I>, ,' +G' +B@' + +@'
- 'E@ A.' @++,@D' AD' @ + E, B@D' ' @++,@D' CC A.@Y
?@A+2' A' @ + E, B@D -CD@C' - ' +B A.

!M=P' B ' $! ' $!!'8;M=M(' =Q' B@B',--U' +-' +B@' >C+B@C'
@++,@?@A+' - '+B@' ,' + +@' 1 0 =K' 7 '+B' +B@' @++,@?@A+'
- '+B@' %B>C B@C' SMM' 6(
!! ' '@+ '8;<NM(' OP=' B +' @ @CG' +B CD' G@C' C8 +@C' +B@C'
>,' @++,@?@A+' '+B@' 5->AD + -A(' +B@'%-,,@D.@' +,. ' @' A'
->A+ - '+B@' C>+' - '+B@ C' +C @AA ' AD> +C' G' XMKX' " '
1 ('C!$ &' 0' OL' &@-J,@ ' B '+B AU' +B +' +B@ .C- +B')
-&-JC@G' '->C' -A,G' 2' AD +' @' ' @' @C' @ @ +@D' 7' +B@C@' -A'
+B +2' ->C&@ @' AD' !@++,@?@A+' @C@' -E+ A D' ;M<M' 1 (' '
(& &' 'LN 3 C' $ "' 8;KQ<(' ' =K=' A' C@, . ->' ?' +Y
+@C ' ' ->,D' A-+' E>+' D - @C' A' B ?' +' B@' ?@' C@@' +B-.B+'
B B' E' B@' B@' D'- 'JB ,- -JBG '5-C' +B@' C@ @ + ' G' -A-C?Y
E,@' +-' +B@' JC@ @A+' @++,@?@A+' OQSM ' ' & ! '
-'PN C' M' > @A+' -C @' -C' +B@' C@' -C? + -A' - ' > B D Y
-CD@C AD' +B@' @++,@?@A+' - ' +B@' J>' >E, ' U' J@ A>O%' = '
- 0' < & 0 ' ;<Q' B@ @' ,0' ? A> +>C@' AD' -??@C @'
C@' +B@' - JC A.' ' @ ' AD' @++,@?@A+' OK<=' = 8 ('
0' ' 0 ' ' PPP' @++,@?@A+' > B' ' C.G,@ ->,D' B@
? D@' @@? @D' +-' +B@?' A-+' - C+B' +C->.' B' OKNN' $ 0' 0
#7' 3 C' LPN' B@' @++,@?@A+' +B@' B->,D E@' ?' D@' +B@C' +B@' C
/@+@C? A + -A' -C' D@ -A' ' I>@ + -A' B' A' +' -AZ' D Y
J>+@2' @+ ' +B@' @ + E, B' A.' -C' J -A' +' -A2' +B@' +@S+'
- 'D- >?@A+2' @ +
$>>>' ' $ 0 =' * 0 OQKO(' 'SS'O=<' B@' -J A -A'
D-@ 'A-+' @@?' +-' B @' +@ADD' +-' ' @++,@?@A+2' E@ -C@' +B@'
+B' @A+>CG' ;KPP' ' ' "!) '8 KM+(' &C@ ' J' S 2' B@'
@++,@?@A+' - ' +B@' +@S+' - ' @ BG,> B ' E@@A' '.C D>,'
JC- @ ' - ' C@ + -C +-A' AD' C@ -C@' OKPM G 8 0'
' (8;KPK(' ' OP<' B@' @++,@?@A+' - ' +B@' !>@ + -A' ->,D'
A-+' ,-A.' E@ D@, G@D' OKMM U ((') "' 0(' 2 3
1) ' >' $ ((' B +' A' C' - ' +)' B B' D-@' A-+'
D? +' - ' AG' >+B-C+ +' @' @++,@?@A+

K ' $2(B@' +' - ' @++, A.' JC-J@C+G' >J-A'
J@C -A' -C' J@C -A ' +B@' J C+ >, C' +@C? ' - ' > B' A'
CC A.@?@A+' +B@' D@@D' -C' A +C>?@A+' EG B B' +'
'@ @ +@D' # +@A' J@ 'b' -$ $ ' ! - ' '
@@' =
A%>>' ' ' !(' - * & 0' <:'B @' E@@A' '%-?? Y
-A@C' A' +B@' B CD' J C+' - '+B@' C@ +@ ' + +@' A' +B@' %->A+G2'
B@C@' A' 'B @' @@A' +B@' !@++,@?@A+' -' ' G ' OMKP' "'
/O ' C ' "!! & %' &,) 'SS ' 3 ' B@' OQQQ' 'MK
3 G' 5,- U 2' ? G' 5 @,D 2' ? G' 7 --D2' ? G' & +>C@ ' + U@2' 7 +B'
!@++,@?@A+' '.--D' ' ' A' ? U@2' $'$>++' 3 . ' $ "'
LN' /@ ' ;MQ<2' :' @A+' #' ? @@+@' ! C' :-BA' O+-A@B->?@2' AD'
. @' B ?' ')+ >, C' - '+B@' @++,@?@A+' -A' ?G' -A' A?2' B-'
A- '? D@' E' ' DDC@ @ +-' 'B D >.B+@C A, ' OQLO' 6 3 '
* & '' !& 7A' O>+2' !+C@@+@JB-A' .B D' -',->D' AD' +C-A.2'
E,@ ' '!@++,@?@A+' ,-A. ' OQKO 3 ' S ,!$' '
2 ,'' +B@' -C,D2' ->,D' JJC- @' +B@' -AA@' + -A' AD' +B@'
@++,@?@A+' ? D@' >J-A' B@C' B->E' D ' +@D2' EG' B@C @, '
OK=K' & -1 '555(' B@' D@@D' - ' @++,@?@A+2' +B@' @++,@?@A+'
C-) -A ,'.@A+,@?@A' A -C?' ?@)' 'A- 'C@ DG' OKPK)
' ,) ' $' "'?.(C &*(' $2'S 'M< 1->C' @2'
? G ' ? ' @++,@?@A+' ->+' -C' B@C @ ' AD' B@C B ,'
DC@A' SKMS' 3 '&: CA # ' (8;KM<(' ' LM' B@' J,@AD D'
@++,@?@A+' A' B B' $>D-,' 'C@ DG' +-' ?' J@>J-A' B)' -A
$ 1(OKQ<%" 3? ' ') 0' (8;KKL(LNO ! - '
*&!, (, @' J-, @' A' B B' C@' A+C-D> @ ' , > @' . A.'
+B@?' ,' ' +B@' @ CC @ -CD' @++,@?@A+' A' ' C ' +B@'
?-A@G' >C@D' C@' -A @CA@D
E ' B@' @++, A.' +B@' > @ -A'+-' +B@' %C- A
'&%' ! - '(+B@' +J @D' A')-+' ;O\';L' 7 ,2
' O(' EG' B B' +B@' > @ C -A'+-' +B@' OC + B' C- A' @++,@D'
>J-A' &C A @ '!-JB '-' A- @C' AD' B@C D@ @AD A +'
OQO=' $ ' ('4 ! ' B@' %C -2 -C2' ' ->C @' $@JC@Y
@A+ A.' ' B@' @ @C ' !@++,@?@A+' '-' +B@' %C- A' '-' A., AD

j j j j j j : AD -A " @C 3 *@ +G2) . $ - - ( ) ;O= B@ @ "E@C+ @ @C@ ? @C+@D A +B@ + - @++,@ ? @A+2 B@C@EG +B@ C- A , ? +@D +- B JC@ @A+ ? *@ +G' ,,> +C -> B@? @ SK Q ' . . & ' 0 (8;KQM(: : : 4 LQ< B@ ? ? @D +@ @++,@ ? @A+ - +B@ C- A + +B@ $@ -,>+ -A @S+@AD@D -A,G +- +B@ D@ @AD A+ - AA@ AD 7 ,, ?

- ,& $ 2 (B@ D J- + -A - JC-J@C+G -C B@C + .@ EG ,, , -2 +B@ D- > ? @A+ EG B B +B @ @ +@D *& & ' $ ' ! - ' D@@D EG B <B J@C -A JC- D@ -C +B@ D J- , - B JC-J@C+G2 B@C + E,@ AD ? - E,@2 +@C B D@ +B

;K;P ! -+ <) " (SSS) B , DG2 ? D@ .@A@C , @+ +,@ ? @A+ - B@C C A 3 > G O@C+C ? ' ->C 1 (SSS 2 3 C &C-+- -, E@. A +- C@ D +B@ @++,@ ? @A+ ,->D A ,- 2 +@ DG2 E> ,A@ , U@ +-A@ ;KLK 7 . . 0 $ 2 ,& ($ - ' @ + ? @A+ -C 7 ,, D J- A. - 3 - @ E,@ -A,G / J- + -A AD !@++,@ ? @A+ -C ,, D J- A. - " @C + .@ @,, 3 - @ E,@

D B@ ? ->A+ @++,@D >J-A J@C -A

SKS % = 7 A $ " &B $ ' › - (8;KMO(POP 3 G @ @++,@ ? @A+ ! @ +@D A +B@ BC@@ J@C %@A+

@ E ((> ? - ? -A@G -C -+B@C JC-J@C+G -C ? @C,G .C A+@D +- ? A +@C -A B -CD A + -A2 A DD + -A +- B , CG

;KOK L< A 9 ! $ S) - (' & & (A O C+,@++ (- (8%@A+ (2 O@ -C@ +B@ C E@. A2 ? G J@-J,@ J>A +> ,,G J D BG , CG2 AD D A @D -A@ B>AV DC@D J->AD - ? G @++,@ ? @A+ G@ C E@ -C@ + D>@ EG -A+C +

B@ @++, A. -C J G ? @A+ - A ->A+ +B@ + - + G A. , ? -C D@ ? AD2 - - ? A. +- +@C ? 4 2 J@C -A(

4QO< , O < &0 (OL e OL 6 J-A +B@ S + -A AD !@+ +,@ ? @A+ - > B O ,, AD / @ ? AD SKSK " 0 $ - - (S 1 @ ? .B+ G 2+B + +B@ C, A@ @D G@ C@A+2 AD +B + G@ D ,,- + A +B@ @++,@ ? @A+ ;KLQ . . I 0 ',, 2 5C- ? +B@ - AB ,, B@ @ ? + C@ B J, A - @++,@Y ? @A+ +B %B!+@ > @>S ;KQL 3 + " 5 ' $ < "N$ ' S2 ;QO A A A C@D E,G B-C+ + ? @ +B@ C - +B@ E AU @C@ A G - @++,@ ? @A+ ;KQK 3 : ")) . . & › $! ' ;<Q - B@ G E ,, @C@ @A+ +- / ,B@,D -C @++,@ ? @A+

E '*) B@ -C+A .B+,G 8-C2 -C .- @CA ? @A+ @ >C + @ 2 ? -A+B,G(@++, A. - ->A+ -A +B@ !+- U S B A.@

;QQO G $1&1 ;; 8;QQK(=; 5-C D@ A@S+ @++,@ ? @A+2 ->,D G->C B-A->C E@ D@ E>,, -C D@ E@ C ;K) ') $ O0 OL / @ K O 7 +B C@. CD +- 3 A A. ? CU@+ JC@J C Y + -A C@ A- A >,, JC-.C@ -C +B@ @++,@ ? @A+

3 A AD B@ JC- @ - @ A. +B@ .- @CA ? @A+ , AD + S - @C J@ B@ C@

$> O . 8 . . A & (& (4 Z + : ==L B@ O- CD -A+ A>@D2 +- -C ? AD >@ +B@ A@ @ CG , +C> + -A -C ? U A. @++,@ ? @A+ - +B@ , AD C@ @A>@ - +B@ JC- A @ - O B C ;K=< , (') B 0 (0C & (? ' $! 8;KPN(Q B@C@ C@ @ D@A+,G + - D + A + -J@C + -A A +B@ -C ? + -A - !@++,@ ? @A+ B@ -A@ ,] +B@ D@Y +@C ? A + -A - +B@ - @CA ? @A+ / @ ? AD] +E@ -+B@C *>D Y ,2 +B@ -C ? + -A - +B@ C@ -CD - C .B+ $ 1 0 ;K=< , (') %%0 0 6 0 C & (? ' $! 8;KPN(OQ / C@ + -A -C !@++,@ ? @A+ # @C

B@ + - E@ - ? A. @+ -C + ,,2 AU A.2 >E D A.2 @+

B@ + - @++, A. AD , C G A. +@C . + Y + -A -C @C ? @A+ + -A

O A% " ! $ e LNO 5 C + -C !@J C + -A + C->.B+ EG 7 @ .B+ A +B@ -CD A CG $@ D@A @ -C !@++,@ ? @A+ - I>-C ;MMO . " 0 ' ' 84MQP(QPM B@ +-- C@ I>@A+ -C -,@A+ ? -+ -A - 7 A@ +@C +B @++,@ ? @A+ A +B@ C @ @, 1 0 LQ< B@G ->A @,) C U + C- ? +B@ 3 ,UG E-++- ? 2 +@C @@U @++,@ ? @A+ % (XKKS L Y 5 5) , " 0 J A +B@ .@ B B -,,- @D +B@ C-* A 7 C2 " @,, + ,, A JC- @ - @C ? @A+ AD @++,@ ? @A+

E B@ D@J- + -A - .C- @C J C+ ,@ -C -, D ? ++@C , - *1" !* D@J- + -C @D ? @A+ *%* @S $!(

;MKQ = 7 < (((2 B I>->C A-+ C .B+2 +B@C@ !@++,@ ? @A+ ;M< : 2 ' B7 &!!0 - * & ( ) 1(- < C L2 DCG D E-+B +B@ !@++,@ ? @A+ >AD@C ;QL< 7 = 7B (SM > . A $ " ((& ' $) › (8;K<L(=L B@G C@ - -A@D EG @++,@ ? @A+ - B> ? ->C 2 B B C@ C@ ? - @D EG @S@C @ ;QL< Q I . - 0 ? M= B@ D@ - EE B A. - , -A. ? @ +- D@J- + + !@++,@ ? @A+ ;K<N !& ' (<!& 0 ! - ' @D ? @A+

/ AU A. D- A -C >E D@A @ 8- +C> +>C@2 ,-- @ @ C+B2 @+ (

;Q<L " & ' 0 e OKL @, @ J @ @ - A@ C -A @ B2 , D >J-A +B@ C + >,+@D ,--C2 +B->+ +B@ ,@ + D@.C@@ - @++,@ ? @A+ ;Q<< : 8 < &!0 0 =;N +@C @C+ A D@.C@@ - D@ + -A +B@ C ? @ @C@ J E,@ - ? > B ,- @C JJC- B +- @ B -+B@C2 - B + E> ,D@C - ? ? -A,G ,, @++,@ ? @A+ ! -) < $ Q * ' " ` O<K O G BC AU .@2 -C @++,@ ? @A+2 +B@ *- A+ ,, E@ C -A 7 >J-A +B@ A.>E) J- A+ -) @ *- A+ ;KLL < &!0 $ ' (8@D O(4LP B@ J+) ? G E@ @SJ, A@D EG +B@ @++,@ ? @A+ - ,-- @ AD D>C A. +B@) -,@J+ ! - ,@ - A @ C+B8 8> U@ \ J < 8 . , . (,-) ! - ' (+B- @ J C+ A B B ,>C@ EG AUB+. A E> ,D A. B @ - >CC@D 4K<K 9 " "C2 ' 2 B@ @ , ADY , J C@ - ? @+ ? @ -,,- @D2 + +B@ C@+>CA - +B@ + D@2 EG >C+B@C ,,2 ,,@D @++,@ ? @A+

B@ JC- @ - E@ - ? A. , ? -C +C A I> ,

$ J I . . ((+ , U@ +B@ @+6@C @A+ AD AD +@C 2 - @ ,-A. +-CA D- E@ +@A

A @ ? E, .@ - J@C -A @++,@D A

,- , +G

! 8% 2 @A @ M (- ? ? + ? +G - +B@ >E*@ + - + +@ @++,@D ? A@ ->A+CG C +C + - -

- ? +CG - @++,@D2 -,-AG2 J -A@ A + @ C, @C + .@

? $, . ! - ' @@ 0 $ (') $! - ' +B@ -,,@ + @ A ? @ . @A +- +B@ OC + B J- @ -A A +B@ 3 , G &@A A >, $%O> 1 &B%0 LML A - ? @ $ @C B@C@ +B@ !J A CD B @ A@ +B@C !@++,@ ? @A+ A-C C D@ +B +B@ A + @ AD A $>A/ - &"(&) ' & ! 8;K=N(OKN " @ +B@ !J A CD A- J-C+ -C +- A 2 @++,@ ? @A+ -C -,-A @ A + ;QPL ,& $ 0 5@E MP O OC + B >E*@ + A +B@ E U @++,@ ? @A+ ;QQM 0 0 K< B@ JC@ @A+ + +@ - O@A. ,2 AD - - ? @ -+B@C - +B@ A.Y , B @++,@ ? @A+ A +B@ + AD @ $ && B7 ? 0 & ' (S 8;KMO(OKN B@ @AD,@ C @+G - ->C @++,@ ? @A+ A ,, +B@ ? - + C@ ? -+@ I> C+@C - +B@ .,-E@ + LKQ= < & (e = # C@ -, @D +- C@ +@ ? , + CG E-CD@C EG J, A+ A. @++,@ ? @A+ - A., B ? @A E@+ @@A +B@ !@ @CA AD +B@ B>.@ # ' / GU@ ' ;KQQ ' , " , ? 0 ;P< ; B@ A., B @++,@ ? @A+ A C. A 2 @ A., AD2 3 CG2 , AD2 AD &@AA G, A E D D@ @,-J@D A+- A@ A + -A2

E # C@, . -> - ? ? >A +G

;QNK 6 0 . 0 < 0 ? 0 0 ` 8@D OO(ON4 -CD A. +B@ C ,0 +B@ F> U@C a !@++,@ ? @A+ C@ ? -C@ > ? @C-> AD B U ;K) $,& 0 (QP !+ 5 AA A B D + @, @ B @ D J,@ 2 B- ,,@D +B@ , AD +B C@, . -> @++,@ ? @A+ 1 0 K; B@C@ +, @ @ C+B@A C ? Y J C+ @A ,- A. +B@ @++,@ ? @A+

. A +B@ ->+,G A. D +C + - ? @C AD +B@ %-,-A @ ? ,, ,, .@ -C -,,@ + -A - B-> @ , -2 +B@ B>+ -C ? A. +B@ , A. I> C+@C - +B@ , @ -A J, A+ + -A

;KOQ# 7 2 +-OO$ &"0 ' (- (› ` , [H 3 ? @A+ AD J, A+ + -A ? @ A +B@ C@ D@A @ - +B@ A + @ OKL< G E 2 (' < & * $ 8;KML(XK B@C@ +@ ->C @++,@ ? @A+ -C ,, .@ 8-C2 +B@ A@.C-@ ,, +B@ ? 2 ? J (-A +B@ , AD2 -A + A. - C- ? +@A +- + @A+G B-> @ ;KPM +(2 . ' !$ $ =;Q + A-+B@C J, A+ + -A : ->AD +B@ @++,@ ? @A+ CC) 3 A +B@ ? @ G2 +B@ E A -A,G E@ A. - , .B+,G D ,@C@A+ -C ? ;KK= % I ' ' O 8 3 3 >C C@@(' ' ' 0 K; AD @C+ A,G +B@ AY + A + - +B@ @ .,@ E> ,+ +B + @GC @ ,,@D +B@ !@++,@ ? @A+ 2 C E- @ +B)@+- @C A. J A@ -C@ + ;K<M $ ' (&"0 &,0 $ ' $ $, U -J-.C JB ,+@C ? +> ,,G > @D EG +B@ J@-J,@ - @ OC>A D+ 00 ! - ' %C C@,G ,, .@

1 A @ + E, B ? @A+ A +B@ J--C@C I> C+@C - , C.@ +G B@C@ @D> +@D ? @A -C - ? @A , @ A D ,G J@C -A , -A+ + +B +B@ -CU A. , -C -C-J@C + -A A - , C@ -C ?

SK) $ 0 OL JC 2 / #S -CD AD D- 9 B@ S@ >+ @ %- ? ? ++@@ - +B@ 6 A @C +G !@++,@ ? @A+ B @ >@D JC- J@ +> AD JJ@ , -C D-A + -A +- CD +B@ A + , @SJ@A @ - +B@ !@++,@ ? @A+ 1 0 ;QO ; A@ ? @A B @ >AD@C+ U@A +- - ? ? @A @ C@ D@A @ A +B@ !@++,@ ? @A+ 4K<O (- - 4N<= 4 B- @) @++,@ ? @A+ 2 -C ? Y -A 2 B B B @ E@ - ? @ - , +@ > B +C U A. @ +>C@ A +B@ C@, . -> , @ - -AD-A2 %&R] O ' B7 % (C ( ) S ONQ ! +@ A +B@ % +G $- D2 B@C@ + JC-J- @D +- @C@ + JC@ ? @ -A+ A A. >,, - ? ? -D + -A -C !@++,@ ? @A+

- **4 - 0 ,=- *3 / 0? (R !

#A@ B- -C +B A. B B2 @++,@ S@H *@ D@ 2 @+

;P<K G (, , & ' , $ & ((? @AD@C2 @,,@C2 A -CDC@C SMSS %- $ 2 ,) (S@C2 +@A@C2 @,,@C2 -C @++@C A ;MP< ' !$ ' › E ' $! $, & ' 1 C>@ $@, . -A C +B@C !@,,@C +B@A !+ U,@C &-, G2 AD C +B@C -A C ? @ ? @A A -E@D @A @ +- +B@ - @CA ? @A+= ;MKQ 9) + O@@ 8# " ! (: : : O=P 3 C C+B>C_%B C,@+a - C A %-,, 2 +B@ B @ @,,@C - >A @+,@D ? AD A #S -CD ;KOL 2 & ' !" $ 0 4 2 : " @ A @D B ? @, @++,@C - D@ + A @ S) M K , T ' ' " , +C-D B J- @C >, @++,@C - D J>+@ ,0 C+ ,,@CGa ;K<K $!" › 2 M : >,G = M B + > ? J ? D EG B ? - @C +F 3C --D -A2 B- +@D ! C : -BA' @++,@C

E ,&!!& 7 ! - ? @+B A. +B + @++,@ -C T D-@ -C J@C -A2 A B@C - ? @+B A. +B + @++,@ A A+ .-A + A A @A ->A+@C -C C. > ? @A+ C> B A. -C A B A. " - 2 B-+2 * , (@+

O>&& = 1 " ' (S ;O= : @AD@ ->C@D +- C@ @ +B@ ? EG G A. : A+@AD@D +- B @ O- , - &>A B2 EG G - !@++,@C AD +B@A +- . - +- O@D >J-A + , J $> ' 77 $! . (0 OO; B @++,@C : ->,D ? U@A- A @C +- +B +2 ;KS< = & - 1 › - & $!8@D L(O/ B@ + o@>#' B ? @++,@C 5>,, J,> ? J A C @ B+C @C ;KLL - . * B ' ( ) ' ^B $ - - 0 8;KLQ(LLK %--U UA- U@D B ? -A +B@ B@ D A + A+,G H +B B + +B@ A., B ,, @++,@C2 +B + 2 A +B G +B@G @++,@ +B@ C ->A+ ;KLQ ' . B !&, . - (!@C SS B + B-+ @++,@C2 (+ +C> U J--C ! , C .B+ + S+ AD AD +@C2 S&&& *& - $ ' OL / @ 2 85 C ? @C(2 ? + U@ + +B@ , + B>CD,@ JC- @D - ? J,@+@ @++,@C2 AD B@ > > ? E@D EG S ,@A.+B LK<= . * !" , & OL< +@C +B @++,@C 8 C> B A. J@@ Ba2 +B@ ? A + D- A2 AD +>CA@D B E U -A +B@ & C -A

/ #A@ B- @++,@ A A@ ->A+CG -,-A + O> < , !0 73 (, ==O B@ @,D AD A@G CD 7 @C@ D D@D ? -A. +B@ A@ @++,@C ;QKM B) 0 OK O@@ A %-CA ,, & 0 8;KP<(OQ< B@ B , J G JC-Y A , - @C C@ ,> E,@ @++,@C SK- 8) 7 2 &) $! <K B@ A + @ + U A. D A+ .@ - +B@ D + A @ @++,@C , @D C- ? @ B -+B@C $ %> (7 & , (- (C & ( ) !) » H, 0 8O-BA(OOP AD +B->+ JC @ - @C@D +- +B@ @++,@C $ >& < & 0 * e B D @,,@C +B A +B@ @++,@ ? @A+ *@ ,-> - B - A -, + -A AD AD@J@AD@A @ ? -A. B @,,- @++,@C L<N= 7 3 (G) , 5 0 ;LL " @A @ +B@ : @ B @++,@C -C ? @D ->A+@CJ- @ . A + +B@ C@@U -,-A + A +B@ !@,@> D + @ 2

E '0 #A@ B- @++,@ A J, @ C@ D@A+ L L/ <) " 0 -C 3 C O@C+C ? A B>CCG +- @S@C+ B A@ ,G I> C@D >+B-C +G + +B@ @SJ@A @ - +B@ @ -,D @++,@C 1 (S 2 , B@ B->,D E@ - ? @ @++,@C A +B + J A - ! -+, AD $ J& 7 . (? &O(? &$ ' ! & 00 " @ < 1bAA +B@ AC ,A , @++,@C A+ 7 , A 7 B

N C-CU@C + - , @++,@ ? @A+ 8 @@ . R $%D

;KK=) $ - ' 0 " - !0 P : >,G == 7 B + +B@A C@ !@++,@ ? @A+ 2 AD +B@ C !@++,@C 2 +- D- A +B@ + AD - -AY D-A ;KKQ $ " $ O((: : : =NK B@ >A @C +G @++,@C ^ + -GAE@@ " ,,a ;K<< $!" 2 M : >A@ ' B@ @++,@C ' " + 3 A @,D " -> @ ,--U -C CD +- B A. -A@ - +B@ E@ + @ I> JJ@D E-G ,>E A -AD-A

$ 2 (#A@ B- @++,@ JC-J@C+G .

N&& , LN 7 =N < &0 !!(<K S B@ @C ? - @A+G -A@ 1@ C C- ? +B@ O@ +B - AG > B C A+-C2 !@++,@C2 O@ -C2 -C @ + +-C

! J A -C + A+- B B , I>-C C>A - +- @++,@ " -C D@J- + @D ? @A+ A $!!) 8 @@ I>-+ ;KK;(

LMQ= @ 3 &!! , 0 & (& ' & . 1 " !3 7 B B ^U@,Ja E@ A. J>+ A - --A +B@ I>-C E- , -C ,- >J 2 +B@G DC + - A+- @++,@C LQL; = ((< $ (0 ' !(B@C@ C@ +BC@@ - +B@ @ ^ AD . -a + - ? Y ? -A,G E> ,+ -A@ E- @ A-+B@C B , + + , - ,, D + ! + O- ? A. -2 !@++,@C2 $ OKM= K &$!(C &!0(@+ 8;KMP(;M; B@ J> ? J2 DC +B@ J@+C-,@> ? 2 C- ? +B@ @++,@C 4KQ=) * 0 ' ;<L B@ C- +@D -C@ ? ,. ? +@D A K J A 2 +B ? AG @++,@C SKK] ' ' < !& 0(! (+>E -C +2 A B B J>,J C- ? +B@ ? ,. ? + A. J A -C E ++@CG J>,J ,,- @D +- @++,@2 E@ A. + CC@D A +@C2 +- C@ ? - @ +B@ , .B+@C J-C+ -A

$ 10 AD & - 1((! 3%&!. (H !$ - F . *) + : @++,@C -C @++,@C ,- U2 ? + B@ 2 + A@) $!(8 @@ I+ -+ (

SK-M $ * $ 0 JC Q;M O B@ @ + CD ? C B - +B@) @++,@C -,U ;Q=L A * 0 * 0 V * 0 JJ ;; ;O; 3 @+B-D - ? U A. ,> ? ->+ - / C- 8 - ? ? -A,G ,,@D !@++,@C !, ? ($ &>) " - !( ) $! $ OL= B@ , >.B A. WO, OO P= $, !& $ ' +" H H,H5(C- ? + C@.>, C +G2 B A-+ E@@A >A J+,G A ? @D +B@ c @++,@C ,- U SK)) $! ' (T ! › $, 2 , - A . J@AD>,-> +C J - E CU B B B A. C- ? +B@ > ,GJ+ AD -+B@C +C@@ 2 D>C A. D@ -C+ + -A AD B B C@ > @D U AD, A. --D ! › 2 ' (0% 5 O ' [(< " ' '& $, " $ ' , * ($ OC8- Aa > @D EG C ? @C -CD -C +C A.

!@ ++,@CD- ? '&', 3 2 (^ . N ") V !@++,@C -,,@ + @,G

4KML $! 0 LOL ' (($ % , , (B->,D E@ +B@ ? -++- - 7 @ +@CA @++,@CD- ? 2 - C J D +B@ .C- +B - + @ A +B@ 7 @ +

! @++, A. 8 @ +, I(2 Y" 7 Q V B@ + -A - +B@ @CE . ! I

J b !) ' ++ A. D- A2 , - +B@ @++ A. - +B@ >A B@ , ++@C @A @ C@ -CD@D EG B 8LQQP(AD -DD 8;K;K(-C ! ' (E>+ +B JC-E A @CC-C -C ' (

; B@ + -A - S A.2 @ + E, B A.2 CC A. A.

J@C ? A@A+,G2 D*> + A.2 D@ D A.2 @+

!! g ? - " . 0 8LPMN(L B@ @+ " A. -C -CD@C A. - +B A. A>@A+@D -C +B J>CJ- @ ,,@D A + A *& &($ *9* 9G % !U & - 0 2 $ $ ' 84PQQ(OC@ E B G ? > + E@ @+ A.@ A+- +B@@2 +B-> B + + +@D E- .--D AD .C -> -D) ;MS< 9 B I 5*& 0 L (;QL - -D B ,DC@A ,@+ + E@ @++, A. - +B@ C 5 +B2 +B + + A@>@C >@C SM) 0 C " &) ' , ! ,& 0 !@C ; - . +B U D @ A@A+ +B@ , A. - +B@ D -CD->C E +B@ 3 DD,@ BGC $;M=O B . 7 0 A $ - ( ) $ + MO ! A @ +B@ @,, A. - G->C 5 ? ,G ->,D @C+ A,G ? > B -AD> @ +- +B@ @,, A. - G->C ? AD SMM . B 76. 0 $, $ S e O OMS B@ ? C ,@ D-A@ + +B@ , A. - +B@ C ;MM< $ = 7B A) ,,) , (8" + 3 ! \ %- ? ? (37 R B +B A. ,, E@ A E -,>+@ @++, A. & $" -C+>A@2 B B2 A A- . --D -AD + -A ;Q=Q &!0 , / C ' "! (S) " D@ C D ? @ +- + U@ >J-A ? G @, +B@ @++, A. - +B@ @C ? -C J G A. +B@ 3 @A - ;KSQ . 8 $ 2 C) <;Q B@ D*> + ? @A+ - ,- +B@ @++, A. AD @C+ A A. +B@) ? ->A+ - +B@ AD@ ? A +G)<N< < 8 $!" 0 0 : : ; 7 @ .@+ .@A@C , ? JC@ -A - J- +-, >J@C AY +@AD@A @ AD - @++, A. - B>C B@

+ E B@ W+ +@ - E@ A. @++,@D2 @++,@ ? @A+ + + -A 1 T

' 6 .) +C $ $ ' & ' (0 ' 0 S ;LQ B- @ +B + @A+ A +B@ A. CD2 --A@ +B@G ? @ +- +B@ C @++ A. ^-C . , $ ' & $ ' , H(D D .,>@ C@ +- +B@GC -CD A A @ J%&$ = . 0 <& 0 OM B- @ J +,@ - &@+@C AD : -BA2 B B C@ , U@,G +- E@ , +@ + C ++@A2 B@A +B@ %B>C B .C@ +- @,, A.

B@ + -A - J, A+ A. ->A+CG +B -,-A + 2 J - @ + E, B A. -,-AG2 , - +B@ C@ >,+ - +B 2 @++,@ ? @A+

. B A ?) ,, !) , (8" + 3 ! ! %- ? ? (KL A @A+@CJC @ - J, A+ + -A A +B@ AD @ 2 B@C@ +B@ 9 A. - A., AD2 ? .B+B @ @++, A. @,, +B@ 9 A. - !J A2 $ SMK- B . ' 0 8LQP<(O - @ C B D @ 3 --A EG B@C - A .B+ AD ? U@ +B@ JC-J@C' + #E @C Y + -A 2 5-C @++, A. - A@ &, A+ + -A J>+>) . ! @ / @ C J+ -A - % C-, A +B EC @ ->A+ - + / - @CG2 !@++, A.2 AD +B@ - @CA ? @A+ B@C@- +- +B ? @2 LQ<Q ' , " , !(? (8@D L(=< ; B + +B@ @++, A. - -,-A @ ->,D B @ E) A B@ J@C AD E@++@C ? @+B-D - EC D, A. ? -D@ ? ->A+C @ 2+B A E> ,D A. -C+C@ @ A +B@ ? L) Q 1 0 8@D <(;PN O B@ >,+ ? +@ -A + Y +>+ -A - - -,-AG D@J@AD E>+ , ++,@ -A +B@ ? AA@C A B B +B@ +@CC +-CG -C @++, A. -C A ,,G I> C@D

B@ D*> + A. -C , I> D + A. - ->A+ , -

! ') *(

LQML = $ ' &2 '? &. 0 8;QMO(OK B@ ->C JC A J , + ? @ 2 -C B B -A+C + -C E C. A C@ ? D@2 C@ ,,@D A %B A.@ ,,@G2 +B@ $@ ->A+@C @++, A. 1 0 KO . A + +B@D G - @++, A. B@ B ? D@ ->+2 B + B@ ,, B , + LKPO $! B %& ' › * 0 &) 8;K<L(LQQ +@C .C@ + @ @A+] / @CEG2 # U 2 -C @.@C + +B@ A@ J J@C .@A@C ,,G D@ -+@ A@ + J C .C JB -C+ - +- B + ,,@D +B@ @++, A. 5N 3 ? $ N"› $ 0 # + OQP O)E U@C2 B- C@ > @D +- @ A D @C @ @++, A.2 AD I> @+,G U@D DD,@D * 0 L<;N ? !$. 2 0 $ 0 5@E ;KL ; +@C D AA@C +B@C@ AA 3 < JV+(A-C AA >CA B %T+ G- C@E@,

[illegible]

D ' 6 @D' 8 X(G ? EJ, ,,G? - +@A' D@A-+ A.' - ?'

[illegible]

! ' (E4* L4+ K' (7*6-0' E1 -0(4'

[illegible]

3 ' 7EL4-< W *6' (' 6 K6-0' ,D(0< (4' 70' 70< (4'

E1 -0(4' =7' (=' *7' ?701' (' D71L7E <' ,D(0< (4' 70' 70< (4' E1 -0(4

[illegible]

701 K' ?0(D* 7 (4' E1 -0(4=

[illegible]

=L-D (4' D7447D(* 7 =

[illegible]

' 10 : ' 6-' (3=*0(D* E13-0' =-)-

[illegible]

' F =(< 7? *6-' W70J' 7? V7<

' D0-(* 7 ' 1 0

[illegible]

D ' 670* ?70' *6-' <(*-' 7? *6-' =-)- *6 +-(0 7? (

L(0* DE4(0' D- *E0+' - K ' : ! ' 4=7 ' 2&

! !*6 +-(0

[illegible]

' =-* 7? =-)- ' L-0=7 = 70' *6 K=

[illegible]

3' ' L4(+ K' D(0< 1(0J-< W *6' =-)- ' L L=

[illegible]

' ' =D70-' 7? =-)- ' 0E = ?071' 7 - 6 *

[illegible]

< ' , -0=-= 7? =-)- ' =+44(34-=

[illegible]

' *6-' K(1 -' 7? 6(I(0<' W *60-?-0- D-' *7 *6-'

*607W K 7? (' 1 0

[illegible]

?3 ' & ' =$!!+' & ' ' F *7 1(J-' (' <-=L-0(*-'

)- *E0-U 6- D-' *7 1(J-' (' (** (DJ' ?' *7 ' =$!!+'

[illegible]

' ' L-0=7 ' 70' *6 K' *7 W6 D6 *6-' E13-0' =-)- '

= (**(D6-<' (' =-* 70' =-0 -=' -' K' ' (' - K6* 7(0-<'

37(*' *6-' 07W-0' 7DDEL+ K' *6-' =-(-* 3-6 <' =*07J->'

4=7 ') - 1 ' 0

[illegible]

: ' =-)- *6 ' 1E= D' 1 ($ (

[illegible]

[illegible]

[illegible]

@DD A.' \' B , +@C JCGA.GA.@' ;MM=' ' 9 ' E ' 3'
*G)b)8 QO (b'$@ D@C' ->,D'A@ @C'E@' AD> @D'+-' ,,-
> B' ' >D.@-AZ ' +B + @ @A J@AAG' 3@A' B->,D'E@' @D'
+B' @A -AZ SG ' 8 6 ' - 0 &' !!$' K : A Z '
-C.-+'% +B@C A@' ' @ @AJ@AAG'D AA@C' ;<NK' $!B%' &'0
:Q' >.' P = B@' A@ +,G E->ADZ @,, JC A+@D' @ @AJ@AAG'-C'
B ,, A.' -,>?@' -' +-A' ;<NK' -(<$0(Q' !@J+'= L'
, @' ' @ @AJ@AAG'B ' -?@'+-' + G' ' ' -C?' -C'+B@' C >, Y
+ -A' -' A , B', +@C +>C@
$ 3 $ ^!@@'(4=7'
: : ' B@'&,@ D@ ' 1 0
=S -' " 0 &' 0 &'" ;,' LLL=' ! B@' ,,-A@' ?-A.'(V@
> +@C' @>@A@' ! EC->D@+B'+-' ,?? +,G'B+C' B@C@'
= . 'C(0'L 'MQL' -' >C> ' D+B' +B@' !@ 'A' +, A+ '
! +@C Z AD' +B@' !J C+ A' A ' 6J' +-' +B@' C-J '%C E a'
;Q=' < 'C &*) ' ;;2 LP' 7 B@A @' +B@' @ @A' ! +@C *
-A.C@. +@D'BC@
; ' (!@ @A' AA-AZ C@ @?,) A.'@ B' -+B@C' A'
X@' AD' ? U@Z' + EG' $-E@C+'0-C+B U' AD'> @D'
+'+B@'E ++,@' - '5,-DD@A
'<. ' 0 ,& ';MO'1->C'!@>@A'!G @C Z+B +
.>A' -'. G'$';PQK') '8&+ -++ @(&'0 ,&(8! !(
;'OP<'!@ A' AA-A '+B +'B@' +> U' E>C+B+' -'+B@' +,'-'
I D A'E>C.BZ I>B ,U' ' ,,+'+B@' @ A' +-C ' ;KNK
$ - &'' 'SS Z 0-C+B U '!E+@ O'!@ @A
' 'A ?@' -'+ -' -??-A' J C.@ Z $!0
;KKM ,' "-3 / ')C) 2!@ @A! +) ')*.& 3
1 $' !& ,&* $' AD' 0'C *!) ' A' ,,> -A' +-'+B@' @ @A'
EC A B@' -'+B@' +@?' %-'/ -A@. ,Z C@, AD'
E ' '' %%+' $ M' $,?E A.'C- @' JC-Y
D> A.'D@A @,G' ,> +@C@D'B@ D'-' B +@Z C@ ??&'
J AU B' ,- @C
;KM=' ')' & '?.0OQ'#A@' -'++@' A@ + '< !! ' -C
+B@'!@ @A'! +@C 'C- @ZZ 'D ?E@C' B BZ.C- C' +B'+C@?@AY
D->' .->C' ;<NM - 0'<$0'L' >.',- + B@' @ C +@C
C- @'0,- -?' E->+'+B@'. E,@D' ,- @
' < [#[[?0) !&5 ,E$,&, ,)' ,&!& ' A'
AD A'E CD' - '.C@. C-> 'B E+
;KQK' &' '0' ' 0'<$ ''L;' B@'!@ @A'! +@C'
JC@+@AD' +-' @@D' -A A @ + 2E>+'+B +' -A,G' B@A'+B@C' AA-+
@+'J@ ' $0+?: 1. 7'V - '<N' B@' B ++@C A.Z.C G E U@D'
,@ @A'! +@C
*' 3 > /$ 0 1 0 5-C? ' @@' 1 '
AD'! "0 ,' ^# ' &%'']L$(B- - ' '# '
B$) ' ') - ' !@ @A'+?@
,'KOP' *0'C $! ' S ' ;M='!@- @A' !>?' A'D@.@',- '
@)D@' +@' , ' (<& *0 3 ++Z S 'O;' ">>' -+
GAA. S' ?@)@ A' ?@ 'EC-U@C' ? A' \' ' -C.@ -'B ?Z W
@ -' - + '4NP!'+C'?" T' $' 1&,' ' ' !$' , '
LNL' !@- -A' !-A' @- -A'E@- 'A .-A' \' @- @C+ .');SQP' $\'10
& '0 L< !@- @' EC B+C@' B ' >AA@' $HOO`' (
V $ (;MKNZ \' ,,@' B@' E>CB ?@A' @->@A' D@ 'EC B+C@'
E@@'B@' >AA@' ,';OPN< '0'W 50'SKO' !@>@' B@' @,,'B ?'
E -C@A' $';LNN) & ' - (;KP;' ,' @>@A +B' +>@A+'D?'
C. A')$';LNN !& 0'B'? 0'MPN' "> ' E@C+E-*+@' J,)+
5-C' @>@)' - ' .-,D' B C@')+' ;=SN' 9'C&!0'C& - ' S'!-
!@>@A@' "B* ' -A' B@'D G' 3@A' @GAZ +B@' CF+ ' ? A' D-J'
,,@' ;=KL' $ 0' !0 LL; O' !@ @A' +B@Z * 0 , S/'
0 & '$=LM'!@ @A' +B' +'A .B+'+BG', DG' -C'+-'J,@ @ '
3 $ ^+C' ' * -' & ' ' D]
!@ @A'G->+B ' -) JB@ >' D'+-'B @'E DD@A' A' '
@ D>C A.'+B@' /@ A' J@C @ >+ -A' AD' +-' B ?'
,@J+'+B@C@' +-C' @ @C ,'B>ADC@D'G@ C
,';NNN 5$ ' $ ' T' NN +' ; =KK'"@C'@ A@'-A) D'
V C'@ D *C ' @- -A' ,) C 'IC- >A.' ,'S.S-' ($' '
83!' B?'=L(' ; ;E!@>@' ,@J C ' 3 '
8$-,, (,, ' OO4 J@' CC G' - ' B)' @ @A@' ,@J@C ') ;=PN'
<& &2' (4F 3 U@'> '+-' +>DG'B@' @>@A' ,@J C ' ';P<<
(' ' '')%% ' 7 U ' ;<NP' ;ML' B@' -C+G'G@ C@'
AD@C?@ ,@' - ' +B@' @ >@A' ,@@J@C Z S) ' = . ' C !(
* ,(7 U ' ;KP;' 'QQ' B@' @ @A'!,@@J@C Z+B + ,) + '
+BC@@'B>ADC@D' @ @A+GZ AD'+ -'G@ C ' $> $'< ' L (
' (0 SSS ' 8;QKQ(' LPN' B@' ?@?-CS?,@' E,@' - '+B@'
!@ @A'!,@@J@C ' '$ JO' 3. ' $ & ' (' ' J@ + -'
, >.B+@CZ @A->.B'+-'A @' U@A@D'+B@'!@ @A'!,@@J@C
E ' "@A @' !@ @A ,@@J@C' $!!) !"'
B-'B 'E@@A' ,@@J' -C'G@ C ' $!('D-C?->@' -C'
-+B@C'B E@CA +A.'8-C' ? .C +A.(A ? , ' ^!-' '
1 ' , ! %
;MQ;' < . 3 .') ' ,& ((1 'LN :' +B->.B+'
+B@C@' ' -?@+B A.' A'+Z +B +'G->' A- 'J>E, B' B ?' -C' '
!@ @A' !,@@J@CZ +B + UA- ' A-+' +B@' C A ' + -A' - '+B@'
@ CA@D'7-C,D' $ J>' . . '5C' 0 ' .' 'O>+' A' @ Y
-A' - '$@ -,>+ -A'G->C'? C >,->'!@ @A ,@@J@C' ? .B+Z
+B'? C ,@'@A->.BZ U@' --A@C' XDQL'7 '& ' 9 .
K' # ' , ' &- ' '<!& 0 ' '3! .* (D-C?->@' SH<
" ' ' ' A'C !(' &,($' (;L' '' ! ' * 0 B@'
>? ?@C'? .C A+ ' >JJ@)'+-', @@J'+C->.B'+B@'7 A+@C '
3 ,=- =@1/' (<$0' ^m' 1 '
' i !#0 ' % '5C
' $' 10' !@ @A'+-.@+, @C' ,0
B00' 3'% " ' (' , E - 0 , "'$ ("@'DC '+B@'
, A. ' -C+B'+-' @DZ B C ' E>+' @ @A >?' -'+B@?'
0 ' $ B0 %-A +A.'-' @ @AZ C@cZ
';KM=' A' 9
"@A @' !@ @A -?@A@ Z' +)@'D'$% "' - ' E@ A.'
T @ @A -?@' ' $ 30
' &= ' ? 0' 0 5@E' L<K B@' !@ @A -+A@A@ ' - ' +B@'
? C- - ?' 1 0 =NQ' B@' @ @A -?@A@' ' - '+B@',>? >->'
JC';' '+B@'?> ' ' - + @' '
3 $ 1(= !&> P0 ' '
0' &%&'' & $ ' 5 @@' 3 AD' !C $+' Z E +'
' B D' ,-' -,,@ +Z A@A+' % '3(1)' 'U
7 5 C ' $)' B (7 5,@? '0 ' 4 + (3 '
' - (/A' 0 ' ! - (<0 1 - - "'
3 '8 3 " ' 1 ' ' (' 1 ' -' AD'
1 ' '+(# '"$) - 0' % '?@D ' * !3'
!) - 0!' ' B@'&,@ D@ Z E '!' B@'J, A@+ Z ' B@'
JC +'O@ C
8 !>&' %) '<!& (8 "@ @, ('&'=P;' E>A +@CC

$'<NN (0' $ " &!(Q' - 'ONO'#AD'* -AA@'.-A. N'E ' @- -A'
+@-CC A'>J'-A' @ @A' ;L=N QN' '! 50' ? ' 0=QQ'J@' -AA@' @+
A'B ' ->C' \' J@' @>@' +@CC@' ' $';=NN PN' $ ' ' ! 5(;<M;'
8/>E, A' 3 ! (#A@' - 'B@' ->@C@A@ + GC@' AD C V@ @>@A'
+@CA@' ;=SO ON' 'C' &'(&"' ;;' LLOL' &, D@ Z ,V@
@>@A@' +@CC 'EC)+Z #' B B@' S@' JJ@C@A'+-'->C@')+' ;) L'
$ (' !(LL; O' J@' !@ @A' +@CA Z * $ (* - &! (
* - &0 ;P;L' 8C('B ' ' '5C- ,' ;P;' B@'J,@> EZ
AD'+B@'J-,G Z+B@'J, A@++ 'E@. A@Z B@' -AZ+B@' @ A' +@CA)'
AD'+B@'%B C,' A@' ;PLP' 1 , ' (' -& ' Z K8 - ' S'
' ;KK=' &,@ D@ a' ;PQQ'0 'K C ' $, ') 10
' 8;PKM(';KOEZ B@'E@ +'+ ?@' -C'+B@' C +'B C>@ +Z+B@C A.'-'
+B@ @>@A' + CC@ Z-C'+B@'E@. AA A.'- '3 G' ;MNP' 0 ' $
,' 'LK' B@'C@ -A' BG'+B@' @>@A' !+ CC@' ' C@' A-' ?-' +B@A'
@>@AZ ' ' JC@++G'C@ -A' ;MLN 0 6& ' &' 'V' 0 ' '
&- - 2(KP' B@C@' -' ? AG'U A.D-?@' ' C@'>A +@DZ? U A.'
'?-C@' #C J ->-' B@' - @C +B@'>A @)@Z B A' +B@ @ @A'
!+ CC@'D-@' A'+B@'5C? ?@A+Z - @C'+B@ A.,@'J, A@+ ' ;QP=
: ' ' '.E $' $(' $ % ' -??-A' D@A-?A +-A' -'
+B@' ? +@ + -AZ ,,@DZ EG' +C-A-?@C Z+B@'&,@ D@ ' ^SKSK'
' E 0' (SS ,Z 3C ' 0 U@C+-AZ, DG' - ' +B@'
@AD A+' - '+B@'!@ @A'!+ C)) A'+B@'% +,@ . +@Z1-CU a
$&J+"&+')7' ?&, $' ;' ;;' 8;P=(P'EZ " @' ->,D' B >@'
C >.B+' J' +-' GZ +@CC@' @>@A' WI$&/+' = ' . (
8 ! (;N' "G 'ECG.B+' J,- .B' -' +@CCG Z AD' @U@' +B@'
G +GCCG' ' +'+B@C' +@A+Z B@' I G B@'E@ A ?GD' +B@' +@CCG'
)>GA' $/++"A+' B 'C& - 'SS ' MM 7@'JC G'+-' ,,'+B@'
! A + ' - B@ ,AZ B + C E- SB@' +@CC ' @ A
-)- *'73='701'7? 1
-)- *-- ',=-F)2 *0 '=- *Y 0' =--' ? +' '
(< 10 701=F' =--' U 1 ' (< ,' Z (4@' '
@-7)- 'P'7-)+ 0' L P' *- 'M ,(=-W *- -'
(-W **- ' ^# ' &%&' ' 0(* (3 "'' 'f' 0 ='
& ' '" '3($ ' ' ' ,H 0 =' $)' +(#! '
&' '(3 />' ' '' , E ' 0 '3+(# " '
1)'0 .$''8 3 "%: ' 1 '0 '(' 10 !+(# '
E$) B '', W' B) &'0 (' " '+F =--' 1 '(<
' 3-' D(0< (4 E13-0' -R* (?*-0' = R*-- '
D71 L7=-<' 7?' *- ' (< =-)- ' 0-L0-=- *-<'3+' *6-
=+1 3 7 4=' :!' 4 Z R) ' ' $ B(
' 'D7 D70<'W *6'('=3'-RL0-==-<' 4=7 'TE(4 [
?+ K'('6 K6-0' E1-0(4
,'<NN +C'? ' ' 'LL 3'8;K<<(L;P 7 @ 'B@' 7>, '
@C@'3 @C A ' GA A.' @- EA+GA@' ?+ ' ,'$A+/' ' A>A++'
!@->@A+@A@'(V> @AD @,@C@ A E+@A' 40<Q$' ,-> '8$-,, (
M=KQ'(V@L)' .C @' 'aV-> @AD \' @>?+@A@' $';LNN) &
- 0'<;0=' J 5C-E- ?'() +' -'?@A@Z $@.A@D' A+@C' @>@A+) @
,';LLN % (#' !(KK<P' 'UA)+- 'D@D@' @C+>-> ' ->'E>C
" A)+@ ' @>@A+@A@' $';=NN PN $ ' ! 5(O; NP' ! >D ->C '
'?'+-' @ @' @>GA+C @'+B-> AD' OP<O' ('C - ! '
7 U ' ;<N=' 'OOP' ! -+, ADZ /@A? CU@Z AD' -?@' ?-C@'J>C@'
J C+@' - '+B@' @ >@A+@@A@' $'-> A @ ' OSMOQ' ' 8)'
2 (45W %J D'<=' 'JC- , ? + -A' AD@C+B@'E AD '- ' @>@A'
+@@A' J@C -A ' ;Q ' A' &'T'< - - '<) &'T'<$ 0
;QKL,'OL' B@C@' ' A'-,D' -? A'+- 3' A' 'E, AU+Z!@ @CA'
+@@A' + ?@' ' B .B' '+B@' ?--A' SGGG'=* ! +' !@ @A+@@A'
">ADC@D' AD' !@)+G !@ @A' -CZ 'm>->-' '+B@' ? AA@C'
AD' E? +@' - '+B@' .@' ;KS=' 'A' & ,. $ '8;KLQ(
' , '4LO D @A+ A.' ,@C.G? AZ B-'B Z+A->.B' >J'
S+@@A-C' @ @A+@@A-B ,D @A >J-A' PN G@? ' OKQ<'
= ('?) . 'MS' 'G-A' ,U' @ @CZ -CU A.Z @AC- @C
@ @A+@@A' B->C' 'D G ' $'S) ' 'C) "'8;K<L('
'QM A' ,,' ? ? AG' +B@'A>?E) ' 'JC- @ -C' B-' +B@A'
-A+@AD@D' -C') @' +C>+B' - ' +B@' -)@B +B->.B++-E@'
@ @A+@@A
; ' H *6')(0 7E=' -44 L=-=' '-=L'
2 ' ' '' '> @D'+GJ ,,G' -C'+B@' ?)+' ++C + @'
J@C -D' - ' '. C, ' @' ' '3 D@ D@
@S+) D A.' C-?' VQKN+-' ;QK<
' '40<' (' ((@-'B@-'+@-A@D@'*+ @A+'L@C +?C
,V@ @>@A+@A@'E VC@ B@-'A@'@+'A-'? AA B@'?@+@'E-+@'
@-D@' AD' ,D@'?-C@' OJ>' '?) 'S
@+ A' -'B CD' GZ B +'B@' D' @ A+)@' A' 'E +
7@P LCA@ -C+-B ,DE? A@B* . +,' ';LKM @@ 3 ' 'XDB'
S;PMK' ' , &! - (8;<N=(ONP 5C-?' @>@A+@A@'+-' @>@A'
AD+ @A+,@'8+B@'?- +'D A.@C->'+G?@'-' , '? A', @(' SMM'
. 76.' ($, ' ' 'k<' B +'+B@'J- +@C +G'- E,- B'
? .B+'E@.@+' B ,DC@A' +' @ @A+@@A' $>$A' ' * ,E' - '
OMN5'O' ' ,?'G->A.'.C, E' @ ' + +'!@ @A+@@AZ SQMQ' " '9 .1 .
` W" "'% & - *(8;K=) ;; ;<N' B@',-++@CG'+ U@+'
B B'' ;'B @'E@?.@+' -C G->')'+ @, @' J->AD' @ @A+@@A'
) D' SJ@A @' J@ @' SK)' &,.' ;;L' %) J+
B AD' AD' +B +' J@++ -A CG'.C @'# ' @@+' @ @A+@@A' >EY
D>@D'?@'@C@' B@' JMU@' ;KQK' "'!' ' 7 ' & - '<$!$' '
ON B@' .> B A.' B@ C+ - ' @ @A+@@A' 4K<M I ' B '
!!& & B' E ' N$N 'LO B@' " ?E,@D-A'%,> ' .C->AD'
'DS A.@D' -?@ B@C@' A'+B@' @ @A%@@A C.B+@
0 ' 12 0
'c]RR (&'"MLM< &-,D C > Z+B@'J-CUA@,,Z AD'B '
J@C@'3 B -AZ !>@+' +B' +B@'S *Z D'?@A'\'A-E,@' S P+
' 'C$ 2(V) 2 ' 'SS Z '+B@' @>@A+@A@' -A'
,> -A'D-+B')+@ ,@' Nb R A' $ $, $ '8! !(MK
'B @'D@ , C ' A'+B@' @ A++C A'E> U' - 'C @% + @' - '8'-D2
! ' & ' ,-3-?4+' L(0(=+ *6-*D/' (='
% ,(<M U' " '3%
(**0 3 ' L6 0 0' =-)- *-- 6(<-0' '670=-' 7?'
6(<3'=-)- *-- 6 <-0' ' 4 ,(+(4 - '
*6-'W-() K'7?'W6 D6' :! '*60-(<='K7''*7'*6-'W(0L0'
&-)- *-- +-(0,=2/' 47DE=*' & % ' %
,=--'TE7*' :&&;/
) S' ' 7 ' "'&* ') &* $' (- (ONQ'!@ +-C'S
+ @ @A+@@A EC A B@D' c &R .. 7 ' $((((
T ' '3 $" (C@, J A.'@ @C' c&RR: 1B 7'A' $!"'
5* ' = P' B@' @ @A+@@A --+'6A -A': U' ;K3
3 ')) ' ' ' %)!'SS Z B@'B-C @' @C@'B@C'
- A'J CD >, C' !@ @A+@@AB AD@C Z.C ADZ>J + AD A.'E G '
%_&R B $-'&T' $' ' ;P=' !A B +@') @ @A+@@A'
B>AD@C', AA@A'+ SKMS' 2 &' & - &' ; OOK'!B@@+' -' @ @A+@@A'
B>AD@C', A@A' OKO=' ' $! &' $' " ' =LK
,E@C+' 3 D-> B-'B@,D' +B@' @ @A+@@A A CU, AD' ;
0>F> I @IOOO'LPQ ;'$@.>, C' + B@' @C@'-A @'?-C@' @+
>J-A'+B@'E- + ' '+B@G'@A+@C@D'+B@'J>J@C'-C @ @A+@@A ? @'
,@ D' ;KKO' !!' $ ((1, 'S '#A@' -C+B' ?@C'
A' J@ @' ' ,,@D' +B@') !@ @A+@@A G@ C ' - > +'= ,$ $

* ' , '+'E@ > @' +' ' D' +-' JJ@ C-A,G' +' A+@C ,'-'
@ @A+@@A'G@ C ' A' AG'. @A',- ,+G
0 ' 10 B@' E +C + A>?E@C' @ @A+@@A '+B@'
G?E-,'C@JC@ @A+ A.'+B
O 0& ('E '%& ($ 0 7 U ' ;NNP 'O;;Z ;' J' +B' '
,-A.' C >? + A @Z , Z ' >AA A.' B +- '+B@' @>@A+@@A '
;P<M ' 7 ' *&!(B$5' '#(GU@' '+CG U@' -' @>@A'
+@@A@' A' ' ,AU J @
3 8 @' A+CA*(Z @ 'A+CAB(Z' $0 AD'
10 5-C? ' $(;' @- -A+@ ,) Z +@- @ ! Z + @*V Z
+@-,! Z = P' @ @A+-**@' L =' @ @A+@AJ@Z P'
+@AG+BZ'M' +@A+BZ'M '+@@A+B 'Q = P' @ A+-AD@'
^# ' &%&'!!&*$((&%&'!! ' ' 1 ' $' @@'
"' B@' , +@C D@ @,-J?@A+' ' AD'Q' -C? (
C@' J C ,,@,' +B' +B- @' - 'G 3 ' 8 I 0+' +B'
+B@'Q -C?' ' # ' B$) B ' 0 !@@' , -' ? !
' $ B0 B@' -CD A ,' A>?E@C' -CC@ J-AD A.' +-'
+B@' CD A ,' @ @A+@@A' I> , G A.' ' E'@SJC@ @D'
-C' ?J,@D
Q<NN+C'?- $T' (' Z!@ @C>' @C@' @' @' @- -A'
+@-.@)' H 0 (@- -A+@-) a' C ?' .> +-' 1 0 'SS Z
B' @- A+@-B A' 0 0 + @(V Aa D @)@ 9 ,@AD C>?' /@ @?'
EC>?' ' ,'4L3' $!&.'OP<' # '? CX]*' @>@A+@A)@D G'
%4=NN 0' ! 5 '8 >D' ;NK(LOP' +' @>@A+@E@'*@C@'
@AD@' S=--')!' 0 ?' ' '8$- @('S ' ;Q E@' B>ADC@D'
@> A+@AD@'^J ,?aZ ,';=PN <& & &' 0 ;=Q OQ B@'(@C@'
- 'E@'C@GA@'- 'UGA.' OD CD@' E@' @ @A+@AG+B' ;PLN . 7 '
LQO 5 * - (@ GA+@@A+B' SM ' =)). !'@+ ' ! '
$2 '"(Z !@J+@?E@C+B@' @ @A+@@A+B' ;KNP 9) 8 'C Q
!) ' 'LKM 3 G' @ @A+@@A+B'G@ C' ' -?@' $ JO' '
' *(< &!0 & - 2 $!!"'@+ 'S ' P<N E->+'+B@'@AD -'
+B@' @ @A+@)+B' @A+>CGZ Q01 ' 3 ' ; ' $ "' ' 3'
! "'[[[("@ ? CC@D'?@'+BC@@'?-A+B ' +@C'?G' @ @A+@@A+B'
E C+BD G
0 ' 1(' ' @ @A+@@A+B'J C+
T' ;QOK' " ,!(' $) (8:A@'& C+ ' ,,Z AD'
+@@A' !@ @A+@@A+B
/ ') ('A-+@' @ @A+@@A'D@.C@@ ' E- @' -C'E@,- '
'. @A'A-+@'8E-+B'A-+@ 'E@ A.' ->A+@D('+B@' A+@C ,'
E@+ @@AZ -C' -A -A A @' - Z + -' A-+@' @ @A+@@A'
D@.C@@' ' J C+' ' B-CD' -A+ A A.' +B \' A+@C ,'
, -Z A' -C. A' +-J' 8 @@ I>-+' ;KPP(
4!<Q = . ' ' & ( ) (;OM' B->.B' 'D-' A' +'+ ,U@' -'
+@@A+B' AD' @A@A+@A+B@Z G@+' C@'+B@ @' -CD@' @,D-?@+-'
E@' + U@A' A'+BC@@'J C+ ' SM)' 8.)' ' .0 , &!0 Q<
' @>@A+@?+BZ B B' @) ,,'+-' '+B CDZ AD' '+@A+B' SM)'
7 ' ' .) 'C ' ,0 $ '&'"'C-O ' !@ @A+@@A+B' 3 *-C'
>!"!')" ,!0'? (8@D'L(4 'PN< O B@'D->E,@' - + @' -
+B@'+B CD' ' ,,@D' ' @ @A+@@A+BZ ' 1 ' $'' ;ON
' ,3 ' ' (' !+ =(V -C?@D' -'-J@A'?@+ ,' G, AY
DC ,' J J@ Z+ @J +C ' - B B' ' ?)-C'+B CD' E- @' +)@'
5 +@@A+BZ -C' ' @ @9@@A+E' E- @'+B@'/) - Z ;K<Q +C'
) $' ' ( ) (LQO S B@' 8ACA*-C(!@ @A+@@A+B'
8 @ -AD- + @'@S+@AC -A' - '+B@'? *-C'+B CD (2 +B@'3 A-C'
!@ @A+@@A+B'8 @ 8 D' - + @'@S+@A -A' - '+B@'? AA@C' +B CD('
1 0 QLJ S ' ' (+B@ @ @A+@@A+B'D@.C@@'- '+B@' ,@'
, -') @D'D @',-+E@C'LCD
"@A @' !@)+@@'A+6 G'$ 0(A' +B@' @ @A+@@A+B'
J, @'8 A'AA @AA?@C + -A(
;MOL' ?' ' ? (84KP=(OKL' !@ @A+ A+, @Z +B +'^@+ a'
'$%&J . 3 .)'? 05-@?)'@+ 8MQQ(;OQ%B@ @C@+ >A. '
+,? + "' +C@+D ' C' ' !@ @A+@@A+E,G' ;QOP' +C') * ' '>
, ,!0' (" ' ('A' 'OPN !@ @A+@@A+E,GZ B + E JY
+ X'D' 4A + ->.B++-E@? +C +@D A' C @' 5 +B' -' ;@ >'
%BC + ' 'OKS<' ' 0 &' & 'S Z B@'% IV+ +A'B@ CD'
C S+@@A+B,G] @ @A+@@A ? ;G] @ .B+@@A+B,GZ AD' +-' -A ,>D@
+B' ' -C+ ' ,@@, A.', U@'D +C +@D'D@ J C
3 '8 @T7 *((2N AD* ' 5-C? ' & 0
8 AD'V ' %"' ' @- -AD Z -AD Z - AD Z O
)@- @-D@*' L'H* - '+'K@8-(I%AD@Z @ @? D@Z L ='
@ @AD@Z L L' @ @ADZ =' X@ @AD@Z @G @AD8@Z
=C P' @ ADZ GAD' ' ' @- -J Z D! Z A-J 2
3 ' -**@Z O @- @J@Z L' @- @J@Z L =' - @+B@Z
@ @J@ 'L' @FV@Z P' @ +B ' "0'L' @- >@AJ@Z L P'
@ @A+B@Z =' @ @A@+B@Z @ \+B@Z = P' @ '
@A@+BZ P' @ GA+B@Z 8 -A+B@(Z M' @ -@A+B@Z
@ A+EZ 9 3%' @ @A+BZ = ' @ @A+BZ 0 '& 0 ='
@G @A+Z' @ @A+@Z' @ A+@Z0@ GA+@2= M @ @A+Z'
@ A+Z'=2M' @+C A+Z P' @ @A@+@Z @A+@Z 8 @A +-(Z
M' @ @A+' ^5C ? + -A'- 'D @C@A'+GJ@' C@'B@C@'
C@JC@ @A+@D' '#9'8 A., (Z' &%)' $(3 9'
8 -C+B@CA' AD' 9@A+ B(' (-CC@ J'+-'#5C '
))' $(&)' $($ ' $ 8?-D' $)' +(#!Z
&' &(# ' 1)' &3 ' 8 3 " ' 1 ' (1 ' ('
1 ' +(# ' B$)' '8 -C ' B$)' (>V0 >)' (
& ' " ' '"0Y "S T 1)' &3(', +@'#9'' ' '
A A+BZ 3 9'4 ' '+@A+BZ ' # ' &%&%$(3 W$' !'#!
@A+' T 9)'B&3(' T) ' 1 Z 0
Z ' &%$'A A+BZ E&1$' +@A+BZ "0 3 ' (
? A@ ' -C? + -A' -A' 1 AD' Z '
? ' B@' ! -C? '@SB E +' +B@' EG -C?Z 8 (-'
'+B@' > S' B C +@C + '- '! a' B@' -CD A ,' A>?E@C'
%-CC@ J-AD A.+-+B@ CD A ,A>?E@C! ' $ B0
' A' -A -CD' +B' ' E'@SJC@ @D'-C'>AD@C +--D2
2 ' ' E %0'<& *0 3 ++Z SS Z X!' !@, ' @'S +@C '\'
+@'D CD ' !'+-'! @?' @- >AD ' ,'<Q ') 12 0'<& '0' - >AD'
;'NNN 0'<& *0 @- -(V AZ2 CC' @- @ A' > -) A' ,';;MN
$ &''<& *0 @- @AD@Z 0 @- @ @A_ ,'$A+C =;MK
J@' @ @AAD@Z E@' , ++ +@'D ' 1 0 PP<K J@' @-DBD@') @
J-D@ '% + "@C'* @JE ' &';SPN < '0 =' 50 ==P' ?@ B'
' +' @' @S+@'UA@Z -@' @>@AD@'? A' +@C D ?' 4L=N " '10
L' J@' X@>@AD@'E@A@' ' EZ B-,G' J +@C A- +@CZ 8;LPN' G'
&& '8;KQ;(<L'5-C'B>A.@C'B@' C @D'-A'E@ @>GAD'D G' I ;=NN
' ! ' 0' ? ' '8&C- @' ;'=J@ @> AD'D@.C@ @' -'?@U@A@ Z
'[=NN = B) 3!'8$-SE('L3 ' +L' J +C@' , DG' ,' -?' +-'
B ?' +' J@ @>@AD'D GZ-C'E@+BC D'D GZ@AD' ' 2'

WQS' ? E , . E' &') ' =Q') C@ +' -A' @+A@' ? -C @A ' @- -) A'
)@' -A>B+ A' , ' ;SQP' $ - 10' & ' (' =L' AA A' :) A' @ @C@A' >'
E ++@C@' >) ')@' @- @) ' ^7@ a' >, ' +>A E' $' ;OOP' $. 0'
) ' J@' @->@+) ' + ? @' - ' (V@#@ ' ;<<Q' $ ' < . 3 ' 8$-,, (' OPQQ'
J@' @>@aV@' +' 'mD +@C' J +'B , '+-' ,-AD@' - ? @' 1 0' <) O' A
J@' @>@J@' \ ' +>@A+' @C' - ' J@' U A . @' C->A A . @' $' ;LNN' ' P'
0' 6) - 0' <Q' A' 0 0C 0' 8;KM (' ;N' J@' ! @ J@' D ' B +' , ' . C- '
)@' OL<L' 7 B' C 0' C ' % ' S ' ;==' B@' GS+@2' B +' ' ' J J'
- ' J@@ B@' @>@J@2' B +' ' ' @,,@' - ' G @D- ? @') ;=QP'
C$ ' $" ' ==OQ' EG ' CG ? -,D' ' +B@' B +@' @ A+' ->AD+' B@'
S+@2' -C' +B@' @ +B' - ' +E ? ' B +B' E@' , +2' $' ;PPN' 5' d"2"
. &) ' 8;<; ; (' ;KM' 9 GA . ' B@ACG' +B@' @ @+B@
Q ' %4O<N' . ' ;K;P' A' 0' ' 0' 0' ;PK' :V@ @>@AJ@' P@C
J +' B@' C@AD@' >C +' ->+' - ' @A . @,-AD@' %4LQ=' # , '
& !) ' * ' MK; ' O6 >, ' @A> ' @, ' C G@D' ! +' A' B@C@' @>@A@+B@'
B- ' - ' B@>@A@' J- ' M ' & ' %0' ' %<R' B@
@ A+B@' +@CC@' A' J@ , ' # ' +B ' , @A@@' ' C , ' , ' ;=OW' ' 0'
& ' 0' !0' SS ' PK' " @' CCG>@D2' +B@' G@C' - ' BG ' UGA . @D- ? @2'
@A+B@' H 0 0' +B@' ! @A +@a ' , ' ;=LN' . (' ' ' 7#' 5' @?@V'
,G@' -AA@ ' P' ' D- S+@ ' J@' @>@A@+B ' ;=<L' ' C$) *
" ' S +' *E2' -D' E D' C@ +@' A' +B@' @>GA+) ' D G ' ;P<M'
. 1 . ' +C ' ! › ' 0' , & 0' ' K=' " @AC @' +B@' @> A+B '
;MNP' ' $, 10' ' ' ; ;K' A- +B@C' G@+ ' ' @ >@A+B '
SMM) ' = . ' C 0' 0' ' OK E C' ADC A . ' ->C @' A' S'
+B->' @@ +2' AD' B +' ' @ @A+B' +-' +B@ @' B@' & , A@+' C+B '
A @A E,G' +BC@@' D D@C@A+' ? -+ -A ' ? - @' 1 (' S ' M<M'
" @@' +B@' @ @A+B' C- ? ' +B@@*' B- ? ' +B->' E@E@,D +' B@' -A@,G'
C . +>@-> ' A' ' 7 -C,D' J@C @C @' SQ -' 8 6 ' - !0' &' !!$'
<%' # + 2' ' B @' @A+' ? G' @ @A+B' ^,@++@Ca' +-' G->C' ->C+B2'
G->A . ' - ? @A ' ' !!1) › ' " 0' 0' ' <b<' A' E-+B'
@ ' +B@' - > ' ^- ' D ! @) a' @@? ' +-' B @' @ +@D' +B@' > A . '
@ @A+B' ^ @C@EC , ' A@C @a2
K' , ' ;LQP') & ' 0' MK==' 85 C (b' * ' D G@ ' , ' LN' CU@ '
AD' *@' , ' C@ +' J@' @G>@A+' D G ' , ' ;LQP' , 0' 0' $ ' ' '
= $, &1) ' ' & ' <P' B@' @ GA+')@C@' - ' E ' E B-JB D'
, ' ;LKN' 9 . 6' !0' . 0' " ' ;MN' J@' @ @A+' @CU@' - ' ? @C G'
; =) ' ' ' ' 3 ' $ 2 ' - ' 8 ! ! (' OL' & J@' C@ . -C@' +B@

;PKK' ' : 7' +C ' $ ') › $ ' ;KL' E ' @S+' ' E-A+ @ '
B@' ! @ @A+' ' . @A+ ,A@
E ' !! * 0' -C' ' ' $"(' , $* (' - ' (' @+
& ' , & ' - ' ' ') , A . (2' +-' +C A)@ ' +B@' @ @A+B'
- ? ? AD ? @A+2' +-' - ? ? +' D> , +@CG2
;P<K' : ' . ' 0' 8% ? D@A(' O<' B@' @ @A+B' - '
+B ' ? -A@+B' 4MQ=' 3 ' $) !'$ ' ' & ' O<K' B@' W@ @A+B'
- ' ! +' : -BA ' $@ @ , + -A2' ;K=' 3 ' › $!! "' S 2' "@'
-CD@C@D' ? @' +-' J U@' + -' I) + -A ' - ' +B@' @ @A+B' 4KQ='
HVV ' $ % 0' ' ' & 2 'HHH' ' --A' ' B@' ->,D'
A G' E@' ' D- A . ' C-A . ' AD' % - ? ? ++ A . ' +B@' @ @A+B
/ ' " . ' 70' 9 ' , = - - ' (4=7' 1 ' (+'
7 -' 7?' *6-' =-) - ' -TE(4' L(0*=' *7' W6 D6' (' *6 K'
1 (+' E@' <) <-<
O<-' 0' ' 0' ( ) ;K)PQ' A ' E-+@' J +' @->@AJ@'
D@, ' J + ? @A' - ? @X' -A2' ' 1 0')K MMP' J@' @>@AJ@' J C+'
OJ › , 3 8$-,, (' =P' J@' @>@AJ@' J C+@' - ' J@'
JC DD@' $' O=NN PN' $ ' ! 50' O;PQ' J , ' J,@GA@' ? -C@') '
J->' +@' \ ' J@' J ,@' - J C' -C ' & A' #C- *@' - ' J ? @, @' EG'
J@' @>GA+' J C+@') 1 !' 0' @>@A+' D@,@A
E ' ' ' $ ' ' = - - ' 1 10' ' D' ! ' D
" @A @' 3 $ ' T$ $) ' 8A-A @ D(2' -A@' B-' '
G ' A' +B@' ! @ @A+B' B@ @A' M ' @ + G
;KSK' ' (' (SSS 2' 1 ->' , ' AD' +B +2' B@A'
G->' B @' B@ CD' ? G' ->A) 2' G->' ? G' . - ' +-' +B@' @ @A+B'
B@ @A' +B' +' A' G->C' J- UG+' ' G->' B @' ' ? AD2' AD' A-+'
@@, ' G->C @, ' A' ->+@' AD . 0 /> : 7 K
O+F 2& ' 0 & ' cR]' 7 B + E,>@' +- U A . 2' JC@' $ JB @, '
+@' @ @A+B B@ @A C ' B@' ->,D' B @' E@@A' $ OA' = , '
. 66) ') ' ' ' ' S+ 2' 5,-C@A @' ' A' ' @ @A+B' B@ @A'
- ' B JJ A@
' @' ' 1 (' ' $ 0
;PQM' < 7 ' && - &%' && - ' 7 U ' ; < ;N ' LLN
! @ @A+B2' B@' ->. B+' A' , ' +B A . ' ^@+ a2' S) - ') & - 0
? 2 ' K B@' -,, - A . ' C+ ' , @' -A,G' C@' C@ I> +@ '
! @ @A+B2' ' + CC A . ' + U
O ' 1(' @' ! @ @A+B' J C+
;PPQ' ' ' 0 5 '"') * &0' K +-' Q' ' ;M'
+-' S= 8S *(' ' @>@A+B' ? -C@' A%AJ' #' # ' . ('
OO< O@ > @ G->C' C + -A' C@' @>@A+,) 2' %>+' - ' J@' . >C@'
W>%A' =' $, & ' ' ' $ & - ' ' LL' 5-C' ' +-' =
! @ @A+B ' 7 @' DD' =' . B+B 2' +' ' A@ +B@C' K ! @ @A+B ' A-C K
. B+B ' ;K=' $ ' $-+C ') %' ? ' ' K' / @C@A+' D@'
A- ? A +-C 2' ' +B 2' @ @A+B 2' @,@ @A+B ' ;K<Q' < B '
A' 3 CG' 9 A . ,@G' 0' % ,$' Q; ;' G@' + - @ @A+E ' - ' +B@'
,@A . +B' - ' +B@' B@ D
; ' 0 (' ' A-+@' @ @A' D@ . C@@ ' 8 @@' ??
0 ; ; ' (E- @' -C' E@,- ' ' . @A' A-+@' 8E-+B' A-+@'
E@ A . ' ->A+@D(' +B@' A-+@' ? ? @D +@,G' E@,- ' +B@'
- + @' A' ' ,@2' b' ! $ ' ' ' & 0' E ' B@' A+@C '
E@+ @@A' + - ' A-+@' @ @A' D@ . C@@ ' J C+' +' ' @ +B@C'
$B& ' - ' & ' -C' - ' ' @@' +B@' @ -CD '
) ' > , , 2' , & ' &%' ' +' ' B-CD' -A + A . '
- ' ' A-+@' +- . @+B@C' +B' + ' +B CD2' +B2' AD' @ @A+B'
D@A- ? A +@D' +- ? ' +B +' A-+@' - ' +B@' , @' B B'
-C ? ' +B@' C-- +2' ' & - ' $ ' ' ' & ' , '
& ' - ' & ' - ' ' ' 8 @@' I> -+ ' ; !'
;KKL(2' $ ' ' ' 8 @@ 1 7' * * !0' $0' E(
A/OA' #K- ' CE ' & ' O' *2' O J C+' A' -A@' A' +B@'
I>@A+B2' +B@' 0 @' E@ EC@2' +B@' 3@$A@' -,, - ' ' @? EC@@ @2'
+B@' J , A #A . ' A' +B@' ? D +' ! P<Q' = . (F' ' & 0') 0 Q; '
C 0' 7 B B' D + B@' ? U@' D -CD ' $000 (@ -AD2'
->C+B2' ' @>@A+B' ;) <= 7 ' ' .) ' C ' , 0' $ - & ' "' ;M<'
B@ @' / -CD 2' +B@' C+-A@2' AD' ! @? +D' J@A+@' ' ' ,) '
+B@' ! @ -AD 2' AD' ! @ @A+E) ? C@' - ' @CG' . C@ +' @' A' 3 > '
;QLN' $ 0' $ - & ' "' SW B@' ! @ @A+B' - ' +B@' U@G' OQPO' +C'
' $- $) ' $ 0' %' 0' OK B@' J@C @ +' %B-CD2' AD' +B +' - '
+B@' ! @ @A+B) ' OQ<Q' 6) , ' ? 0' 8@D' L(4 ' PNK O' A'
A+@C ' , -A + A . ' - C->C' +-A@' AD' + - ' @? +-A@ 2'
C- ? ' ' +-' 7 2' ' , , @D' ' ' (- ' & 0' SKSK' ' B '
< $ ' 0') 0 LOM' B@' B-CD' - ' +B@' ! @ @A+B' ' > @J+ E,@' - '
+B+C@@' B A . @ ' OK) ' C ' ' "' " , 0 4 ' O<Q ; ' B@' D- ? A @A+'
Q+B' AD' ? @' D ? A B@D' Q+B2' -C' +B@ C' A @C -A ' OKPP'
8 7 ' & , , $ $' 8 ' <$) ** ' gA 2' B- @' , @ @C +B CD ' -'
J , A+ @ B- @' - ? ? @C + A . ' @ @A+B ' SKK- ' < & ›

0') 0' : MQL' B@' > @' - ' +B@' ? A-C' @ @A+B*' B B' @'
, , ' +B@' / - ? A A+' @ @A+B2' +B->+' JC@J C + -A ' ? 1 ,
' =QQ O' B@' B-CD' - ' +B@' / ? A E@D' @ @A+B ' A' + '
- ? J,@+@' -C ? ' - @D' - ' @+' - ' ? ? -C' +B CD
3 $ 2 ' 8 , -' P M' ' & (@ @A+2' GA+ (
+ , ' f ' 9 2 "= D' +
O=M ' 0' 1& 0' ' OPM : ' , , @' +B +' E@' EC->. B+' #C+E@' +'
+B@' D G' - ' E@C, , ' ' ? G' D@ . C@' U ' +B->+@A' AG' @ @A+'
D G ' ;POQ' 1 0' ' OLK; : ' ++' ' I> C+@C' B@ +@' AD' *E C , '
B@C@' +- E@D@,+' A' +B@' U CU@' - ' " -CA@ @-J-A ? G @ GA+D G@
/ ' B@' @ @A+B' D G' - ' +B@' @@U2') + ACD G ' +B@'
8 : @ B(' ! EE +B ' $ ' %0' ! >AD G ' , -' $ 1$
;M<O' ' 9 ' ? & "' ' LLO' B@' - ,D' ! @ @A+B D G
! EE +B' 8 B B' ' +B@' : @ B' ! EE +B(' ' EC- . +@D' VQON
' ' ' % ' OOM' # A' +B@' ! @ @A+B' / G' @' @A+' +-'
1->. B , , 2' AD' -A' +B@' 5 C +' / G' B D' + - 3@@+ A . ' +B@C@' ;KQN'
8 ' $ 2 $ ' C ! 0' SS ' L=P' B@' A + +G' - ' +B@'
, , - ' B@' / @ +B@' >C ' , ' - ' +B@' -,D' - C B J' - ' E+ C-+E'
;KQO' # ' 7 ' "N 35 !' $' 3? ! & 2 ' OQ' 7 B@' ' +B@' @ @A+B'
D G' ' >A B A@' , , ' BC->. B' C AE- @D' AD- ' -A' +B@'
, , ' ;KKP' $ ' B ' , 2' : +B->. B+' B@C' ICD B CG'
- +> ? @' C ? -C@' E@ - ? A . ' +B A' B@C' @ @A+B D G' A@CG' '
E ' A' +B@' D@ . A + -A ' - ' E-D + ' - ' %BC + A '
B- ' -E @C' @' +B@' @ @A+B' D G' - ' +B@' @@U' 8 ! +>CD G('
' +B@' JC A J , D G' - ' C@ +' AD' C@, . -> ' -E @C A @
' 3 $"' ' ' ' ? , , @A C A' @ +' B- , D A . ' EE '
+ C A' JC A J , @ ' ' ' 3 $"' ? $* ' @@'
10' L' H ' 3 $"' - $ ' ' @@'
S) ' B . . ' ? %' !0' 8;KPQ(' LNO B@' @ @A+B' D G'
? A +@C2' A' @ . +@' SK<= %" 3 0 $ 1 0 ' ? !C) b) '
8@D' ;K(' ' LQK' C U ++ 2' A- ' , , @D' ! @ %A+B D G ? @A2'
B- ' U@@J' +B@' : @ B' ! EE-+B ' ' o8 ' 0' 0' 2'
' 0' : : ' AD@S) ' ;P' ! @A+B D G' O J+ + 2' S) ' '
' ! (C) 1 !0' ; < A' ' - 0' $ $!0' 8;KKN(2' ! @ @A+B' / G' D' @A'
, + ' SKK- +) A' 86 ! (2 C @ - @ @A+B
D G' U@@J@C ' C@' ->AD' A' +B@' D G ' - ' C@ . -CG'
3 2 8 @ A*(, (2' $ 0 +' 3 ' 0' i'
1' O a' A' +B@' @ @A+B' J , @' 8 A' A' @A> ? @C + -A(
, ' ;PLO / >' 9 ' ' & 0' 0' A' C$! 0' <O<' ! @ @A+B,G2' *3'
- ' ' ' 0' O >& 9 7Q6 ' %(' ' 2 0' S ' ML; ' 3 +@C'
> , +@C G+B' ' " @' %- ? JC@B@AD@+B @>@A+B,G' A' +B ' -CD@C2'
. ->@CA->C ' AD@C' B- ? ' ^@+ a' ;K=K / b' # : (' 0' LK
! @ @A+B,G2' @' ? A+ A@' +B +' +B@' 9 A . ' ' +B@' -A@,G' ->JC@? @'
- @CA->C' A' , , ' > @ ' ;QOP' $ - 0' , 0* 0 0') ! (! @ Y
@A+B,G2 , , -A' J A . ' ' +B@' , +2' AD' A , > +' E@' *- A' D' +-' , , ' +B@'
-+B@C' & @ 2' $' ;KKQ' # 66 ' ' ! ' ' &2' 8;KK<('
LOK' ! @ @A+B,G2' A-' -A@' A' AD' +B@ @' - - +J +B) ' B B' JC-Y
E E,G' ,@D' A- B@C@
E ' ' ' +B' C@ ' +-' +B@' B@ D ' - ' ' @C ? -A
;KSP' ' C$) !' ' 0 ' 8SK M(' =' B@' & C -A' B ' J C@D'
B ' , - U' -A@' ! @ @A+B,G' - ' BE' +@S+' OKMN ' E ' , & - - 0
$ 0' S2' ' B @' E@@A +@ BE@D' C@ J@ + A . ' O- A@+ .) '
O- , @C2' BE' +B,G2' S+B,G2' AD' E ' @ @A+B,G
93 $ + ' 40' 3 ' $0' a'
(7 V' G' 7
;MOP' O' : - - ' $* ! ' & 0' ' ' KM " ' 5 +B@C' DG' D' -A'
+B ' D G' @>@A+B A . B+' ' \ G; ' 9' ' 0' &' $* ! &%! %&'
+ 2' B +' D G' @ @A+EA . B+' : ' J C+@D' C- ? ' G#+
3 8 @ >+ @b2' $0' 5-C ? ' L ='
@ @A+ J@2' =' KM @+@aV@2' = ' & (@ @A 2' @G A '
+ AD(2' = M' @ @A+@*) @2' N' @ @A+G+B 2' Q' @ @> '
+ @+B2' Q ' @ @A+ @+B2' ^ ' A@S+' i' Y . ' " ' B@'
-C ? ' A' %>C -C' 3 >AD' C@' +@C' +B@' # ' -CD A ,
@AD A . ' 3) &' ' B@' -CD A ,' A> ? @C , ' -CC@ J-ADY
A . ' +-' +B@' CD A , ' 3
1O<Q' $ ' K (8 ' 8$-,, (' PQLN' 1 CGA D' B@' ' AGA' B-ADC@D'
\' -A' \' @>@A+ B@')@C@' OL ') & ' 0' O;ON< 8 D++ (' &@'
@>@A+ AD' AD' @ CD' *@C@' H $ %0' @G> A+ ADa' ;LKE' 5 (3'
N , 0' ' ; 0' B ' ' A- ' +B@' @>@A+ +B@')@@ ' OPLN O (C
LQO' * $ ' ' (@ @A+G+E' ;PQN' 3 ' $ ' * 0' KK = ; '
1 ' ! @>@A+@+E2' *) $ -) 0' R RR' G (') $ ' & (
+B@' @ >@A+ @+B' OMLP' ' 33 ' ' 0' < ! & " ' & ' ! B@'
, ' D' +-' B@C' @ @A+ @+B' G@ C@' 4<NN = ! +' $@J-C+' - ' +B@'
! @ @A+ @+B' 3 @@+ A . ' - ' +B@' OC +) ') + -A' +-' +B@' DY
A @ ? @A+' - ' ! @A @
3 2 8 @ A+ (2' $0' AD' 10' 5 -C ? ' ' ^, '
B>AD @- -A+ 2' -A+ . 2' @+ ' ' ' ! +@ 0 _2'
L' @- @A+ 2' 4 - ' +' K- 8 (@AA+ L2' =' @G @A+ 2'
- A+G2' X@ @A+G2' =2M' @ A+G2' +@2' P' -@ @A+G@2'
@A+G2' Q' @ @A+G2' L ' @ @A+G ' ^#' ' =) ' + '
&%& ' ' ' O)) ' 3 (& ' 3 ' & ' , ' 8 ? -D'
$) ' , +(' # ! ' ' ' 8 3 ' -3 ' & ' , ' (
3 / > ' ' , . (/ > ' O ' H' # " ' 1) ' O) '
8 3 " ' 1 ' O , ' @+ 2' ' 1= ' %+(# ' B$) '
8 -C ' B$) (" (! ' B) (' @@' 3 ' AD'
1 a' ' $ B0
B@' CD A , ' A> ? E@C' @I> , ' +-' @ @A' +@A 2' C@'
JC@ @A+@D' EG' QN' -C' SS' ' +B' E' @SJC@ @D' - '
? J, @D' A' > @' -A+@S+
, ' ;ONN # 2 ' =L ; < J@' @-D ' + ' E ' A@? AA@DD' #' P' @- '
@AA+ ' E + A@JJ ' $' N<RR) & ' 0' ; =KM ' , J +' A A@' B>A '
DC@+' G@+C' C' . A' ' @>@A+B' %<]R' " ' 10' S 0, AD2' AD'
DG 2' AD' , > - ' D- ? E' #' X@>@A+G' G@C' , ' > - , ' C-AD' ' $' c] RR'
bR' $ ' ! 50' ML=' A' ' -C@' -C' A' G -' *@C@' B@' @CC@' ' A'
, C@' J A' -+E C@' +' B D' E@A@' J C@' @>*A+@' GA+@C'
C & - * 0' C$ 0' MQ O' %@ GA+G@2' *) $ ' $0' %b<R0 (C '
LMQ' * $ ' (@ @A+G2' $' NM_]' (' ' 0' 1!S+' h' ;P ; '
' B J2' +B +' CC@D' @ @A+G' . >A ' ;KS=' 7 -$#! 7 ' 5 ,) 0'
$$' % ' B@' + , ' -A+@A+@DA@' ' @ @A+G' G@ C ' ;K=K
? 0 ' $' 0' $ ' 62' ' @AD' ? @' ' B>ADC 3 2' 7 @AB ? 2'
-C' -D' ' U@2' J- -C' $> D-A' D] T ' @' . -+' @ @A+G@' +'
B- ? @2
E ' 7 +B' @,, J ' ' , ' & ' - '
H$%& [' 8 . . ' 0' 8;MPN(' ' ; ; =' " @' B-' +' @ @A+G'
-DD' -C U@' ' +B ' , B+' ' ;Q=) ' 1 ' 0' & ' 2 % ' OK - 2'
3 G' C +' C@AD B J' +' S+@@A2' ' -A+C +@D' +B ' ' ? A'
- ' @ @A+G' OKL; ' ' 0' 1(2' " ' . @' ' . ' - ? @'
@ @A+G' AD' >J CD ' OKK=' ' C ' , 0' ' - ' 8@D' O(
=O= O G' +B@' + ? @' @' C0)A+G2' ->C' ? @ ? -C@ ' AD' A+@,,@ +
E@ . A' +-' ,

%2' ! J@ ')@,, J+ , ' > @
' ' ' 8 (' ? @' @ @A+G' DE J,@ ' - ' ->C' ,) CD' B- @'
? -A' E' C@ -CD@D' A' >U@' S' ; ' 41+' +B@' ! @ @A+G' A+@CJC@'
+@C ! & 6 ' ; ' 7 8 (' A' +B@' -C . A X + -A' - ' 3 EC ? -A ? 2'
' E-DG' - ' @ @A+G' @,D@C' + A . ' ? -A C@
;P3' (' 0' 3' 8! ! (' S-' " @' @AD +E@' +B@' @ A+@'
E@ - C@' B ? ' +-' JC@ B@' ;MS=' . 7 ' 0' & ! ' $ '
e' K' S - ' B@' @A@> ' C A , + -A' , ' +' ^ -JB@Ca' & A@+C@@2'
+B@' $ EE A@' %@D C2' +B@' ! @>@A+ @' I> C@' + ? E@C' A%%A'
5 ' 0' $ $ ' > ' ' ($' LQ' B@' ! @ @A+G' C@AD@C +
') CC 2 EG' B B' +B@G' >AD@C + AD' . C @A' ? . @ ' F$%%O'
8' 5%& 0' ' 8; M<Q(' ; =L' 5 + ,G' C@AD@C@D' EG
+B@' ! @ @A+G' A+@CJC@+@C ' 7 S ' : ' ' ' 0' % ' ; ; '
7 U ' ;Q;K' ' =KP' 3 ++B 2' B- ' -A@' - ' +B@' ! @ @A+G'
+B +' ' %B- @A' AD' #CD A@D' EG' +B@' -+B@C' J- + , @' ' +-'
A @@D' : >D ' A' +B@' J- +-, +@' ' ;KPK' $' 0' C !0' & , 0'
QO' B@' C@@U' C@AD@C A . ' - ' +B@' ! @ @A+G' SKMS' $ ' 5 ' B '
" ' & %' $ ' ' S ' =K=' B@' ->C+B' E-DG' A' C AU' E' +B@' ! @ @A '
T+ @ ' B@' ' ! @ @A+G" +' A' +B@' A ? @ ' +' B@' -CD2' >AD@C'
D C@ + -A' - ' +B@' ' @, @' A' E> , D A . ' + J' +B@' B>C B2' AD'
, U@' +B@? ' C@' +C @, , A . 2 ? A +@C
2O ' A' I ? E ' +B' A> ? E@C' E@,- ' +@A' 8-CD A , ' AD'
CD B , (2' ' ' "3& ' (' & ' ' $ ' ' " (' ' "'
& - ' 7L ' (' "% ' - +@A' +B' @ , , J ' 8@ . 2' - '
" $ +0 ' ' ' ' ' ' ' ' ' 2
' $' 4OO!' ' , 0' ' ! @D>@A@' P') ->@A+' ,@ D @ ' $AO>' '
< . B ! ' 8$-,, (' QMQO' A' J@' L@C' - . C @' ' B-> @AD' \ ' @>@A+'
\ ' %; LQ ! ' , 0' ' $ ' ' &C- + ; L<' AD' D J , ' *@+
B D' B@' - $"' 0' -C- + A' J C2' @ A+G) AD' + ' 8QS=ON' & '
! & (' = ; =' ' +@C' J@' A CA G-A') GS+@B>ADC@+B' *@C@' @A+G'
AD' G>@' E + ' ' OPMO' 9 # ' ' $, $ ' 7U ' 8! ! (
' ;Q' " ' J- + - , ' AD @>*A + ' / J> , ' ;MOP' 7 '
) 8 . . ' & . $ - 0' - * & 0' >2 0' " ;N< 1 ->' E ,' E@' @J C +@D'
CC-' - ' C- ? ' ? @' A+- +B@' @>@A+G' +BC@@' . @A@C + -A ' OQKK'
< ' ' ' 0' ' ' ' O;K' ! @ @B+G + - ' - ' C@ J,@A'
D@A+' E@ >+G' ; Q<; ' ' 8 ') ' 6&) - 0' * $ ' 8;Q<=('
OMM # A' +B@' @ @A+G' C +' D G' $ %A' 8 . . ' ? ! & 2 ' ! @C
' 2 7 , 2' EG' B@' @A2' B@+ ' +B@' > +' A@ ' ' @' B@@CD' @A @'
! @ @A+G @ @A' ' !!' $ ' &) ' S' 3 G' ; L O2' A' ;Q<; 2'
+B@' ! @@A+G=B CD2' A- ' ' +B@' ! @ @A+G C +2' ++E D' -A' '
A ? @' A' D A' C C@2' . A' +- -U' ' -C@ ? - + J C' . A +'
' JJ- - ' $ / ' ' 0' 0< $!$' 7S(77' AD'
' ? ' A@ C A . ' @ @A+G ->C' 7 B ,@' G->' B @' +-> B' D' +'
@ @A+G
E ' ! J@ ' > @
' "0%&) (' =$+' ' B J' CCG A . ' @ @A+G ->C' . >A ' 8A-
0+)(' ! 1+' @@' ->-+' ; KPL' ' "3% H' ' E- ' C@ I> C A . '
' J- @C' - ' QP' , E ' ' "3 (' "3 5 2 - &' ^C@ D A . '
- ' +B@' GC ? E- , QO ? - ' %' 5) - & ( ) M0] ' +B@' X@' - ' +B@' J .@'
- ' ' E--U' A' B B' @ B' , @ ' ' -A@' @ @A+G @ -AD' J C+' - '
B- , @' B@@+
A>O> ' (. ' A' / >A A' % ' 8;KNM(' = ' -' C + C +@' ' AD'
' @ @A+G ->C' C@' +B' B ? ' OK=N' #' ' ') ' ? . 0' Q
, "LMK' ' @ @A+G @2' B B B' - ? ? AD' , , ' .) . , B ' ' +B A'
->C' B>ADC) ' G' CD ' A &$' 3 7 0' C ' ' (' "3'
2& - &(' B@@' +' ' J J@C' - , D@D' A+-' @ @A+G + - ' , @ ' -C'
-A@' B>ADC@D' AD' -C+G ->C' J . @ ' ' +@C ? @D' @ @A+G + - C'
@ @A+G + - ? - ' OKP) ' 11 ' ' 1! ' ' 0' < & & ' & * '
O ' ' 5' 8O + CD' ! , @C B ' ! @ @A+G ->C*2
XKM- ' ') ' , & - - 0' ' 0' B@' D > UB-, D' - ' A' -, D'
! @ @A+G J>C' A A' B 8 ' C $, 0' C ' ' 8;KK=(' A - '
' C @+G' - ' C- ? @' ' C- ? ' - , ' O-' - @ @ 6G + - ? - ' ;K<=' '
' ? (' ! ' OLK' 5-C' +@@A' G@ C ' +B@' @ @A+G ->C'
' +B@' D@ , ' . B+ A . ' B J' -C' +B@' , A@' - ' E ++ , @
& - 1(, D6 -?4+' L(0(=+ *6-4 D/ ' (='
, $ ' 670=- L7W-0/ ' ^ - ! 0' ' ' "3%&& ' , = - - ' G
CD , ' P(' ' ' "3 ' - 3 ' (' "3" $ 3&! '
(<IX 0' (4=7' ' "3%&! ' (<) ' (' (')3' , = - - ' 3 (' +
OL) ' 3 ' ' ' 8$ - , , (' 2 OL ; ' ? @ B' E ' GAA@'
7 ' J> / ! B@D' @>@A@' AD' @>@A+G' - , D@' MSS' - . !'
$ ' * , $ (+-' @ >@A+ @ - , D' ;KL= M' ' , " , !0' &*(
8;K=P(' , ' QNP ; ' B@' JC-J@,, A . ' J- @C' ' C@' + - ' @ @A+G' @'
B-C @' +@ ? @' @A . A@' ' OKQQ' +@ ' \ ' & ' ' & %') ! , $ ' '
, ' ;K' " ' @ @A+G + ? @' @ @A+B - . . +) ' OK<L' : ' 5'
' ') %) !' & - $' PN' 5C- ? ' ! A' / @ , - ' +-' - ' A
! @ , @ 2' ' @ @A+G ? , @' C>A' , -A . ' +B@' - ' +' OK<M $ * ›'
%$ 0' 4 % ' QM; O' B@' @ @A+G G@ C -,D' O , >%B@C' S) '
$!"' ' 2 ' < : > , G' K P BA' A@ ' @ @A+G --+@C 2' A- ' Es A . '
) @D' A' ? @C A' +@C
O ' P) =' ' ' @+' - ' @ @A+G' J@C -A ' -C' +B A . '
' J@C -D- ' @ @A+G' G@ C
OP<N' ' 8C ' E!' +' ' @++@C' +-' ' 5A@AD@2' +- B+A . '
3 CD- B ' E ' . @2' B B' B@,J@+B' ? > B' +- ' B- , D@' +B@' +C>@+E2'
-C' +B +' - ' JC-JB@ @' - ' ->C' J , > + - ' A' EC@, ' > @A'
+ @ ' OQ=0' A' ?) , , !) , . ' 8" ' + ' 3 W! ' %- ? ? (' ' L<K
3 AG' - ? J A@ ' +B +' 7@C@ @ @A+G' ' B@A' @' @ ? E CU 2'
B @' A-+' S' ? @@' @ ,) A' +B@J ' OKKL' ' , " , !0' ? 0 4 ,
KOK 0' B@C@' C@@@ . B+G' @ @A+ @ ' A' 6+ B ' ^% ' ' 2' ;KM; a'
5Z / ' K 8 ' ' S-M' ' 3 -C ? -A' @ ? J C@' C>, @D'
- @C' EG' +B@' &C @W+B--D' - ' +B@' UE' - ' : - @JB' ! ? B' AD' +B@'
% ->A ' , - ' ! @ @AD@
/ ' ' T(*6- ' <-D(<-' ! ' *7' !"' ' ('
L(0* DE4(0' D- *E0+' 70' ' (' L-0=7 =' 4 ?-
OKMP' T% ') 2' . & & . > ' $ 0(' @+ ' <M2' B @' B@ CD' +B@'
-CD' J CC- . C ' C- ? ' +B@' , J ' - ' C@' , DG] E> +' +B@A'
B@' ' A' B@C' @ @A+ @) ' OK<W (B 3' %8 CC' - ' 0' ;QL'
+' ' A-+@ G' +-' C@3 A , @' +B@ @' - ' , ' A' +B@' , +@' @ @AY
+ @ ' AD' @ C,G' @ . B+@' ' B+' +B@' C@ . CD' +- ' 3 C' A+B-AG' C- , , -J@
! @ @AVAJ ' E3 0 B@' . ? @' - ' , , ->C' B@A'
J , G@D' -C' @ @A T B , U ' ' ' V
OK=P' : ' ' ! ! ' ' - & ' ') ' 8O C+ , @++ (2' ! ? -A' AD' O , '
@C@ @CG' @ CA@ + , G' @A .) @D' +' @ @A >J' A &>' BL '
0 5 , & ' SS ' O=P') >U@C b' T J-U@C 2' AD' T M @A >J 2'
+B@' C@ . > , C' ? ? ->A+' A . ? @ ' ' ; 8 2 %' 2 I . ' & , '
=Q' B@C@' ' +' ->C' T%- J>A B-C' 2' J , GB . ' T @ @A >J')
3 ' 2) / 2 / ' ' %-A '
= =* K' 7?' 7O' 4(=* K' ?7O' =-) - ' +-(0=0' 6() K' ('L-0 7<'
7?' =-) - ' +-(0=' Q' ' ' ' ' *6 ='
47 K' * 1 -F D?' 5 ' ' ' D' <
L ' 3" $ ' = ' $**! (' C>+' +C-J ' ? @C 2 < ' * $'
, !) &! $(' >JJ- @D' +-' C@I> C@' @ @A' G@ C ' +-' C J@A'
3" ' 1 $ ' (* $' ') @ I>D+' ;MMM' ' $ ' $ (
+B@' +B CD' ! , @ A' C8;QPM ;QML(2' A' B B' > +C 2' 5C A @)'
$> 2' ! S-AG2' AD' ! @ -A' @C@' , , @D' . A +' 5C@D

C U' ' - ' &C> ' ' " $ 3 (+B@' 7 @ +' AD A'
6 ') 5$') 1 & $/
8 " ' !) 9! 'L' ' /' ! ' C' 'O : ' 'A - +' E@++@C' J - C+' +B@ @'
@>@A' G@@C@ ' D G ' $%&>' / ' - ' $ DC ' E 'E2' +'
B +B' E) A' ? A@' @AD@ - >C' +B ' @ @A' G@ C 'D G2' AD' ? G'
> > ,, ' &C G@C2' +B +' : ' ? G' E@' E, @' + - ' - A ,>D@' ' 3 ' OC DY
- CD' +B@' 3 C+GC' D D' ' : ' 3 ' 0(' $ 11 ' ! '
M=' B - @' ,,@D' +B@' !@ @A G@ C ' O@ A 2' E@ > @' +B@' ?@'
+ ,U' E@ C ' @ @A' G@ C ' - A@' +@C' A - +B@C ' ;MQO' 7 ' ' B7 '
- 0' C . " 0' ON' # ' +B@' @ @A' G@ C ' &@ @' ;QLN' C !('
$ ' (O ' O S Q ' =L=' B@' !@ @A' 1@ C ' JJ,@' ;Q 7' 8 '
- 0'6 . 0' !! '8 'C) $ ' 0' LOP' B> '@AD@D' ;QMLa2' B +'
') ,C ' A' @C ?) G2' B@' !@ @A' 1@ C ' 7 C' $ J>' ! . '
C (' (' ' ' 2' A' +B +' @ @A G@ C ' ,) J' - 'B 2' - ' ? > B'
B ' B A . @D' ;KPM' " ' " ' L 'C& ' WC$ &, . ' ' ;Q' 7 @'
, +@,a)' ? @+' +B' ' @ @A G@ C - ,D ' K %&' < ' !& $'
2' 0' ' 0' !$ ' ' QKQ' !@ @A G@ C A@' ;KKN' : ' % ' ' 4
E ' ,! ' 8 KK (' ;Q' ' 3 ' ! ,,G ' ? @D' B@C', ++,@' @ @A
G@ C - ,D ' ;<NN' " - !(' , (' < & 0'86 ! (' JA' ;=;' B@' @ @A '
G@ C' J@C - D

! @ @C ' 8 @ (2' , - ' P' @ GC2' @ @C@2 ! C
@ C2' M' @ - > C2' @ @C2' ,(' @C2' WC2') @C2
' @ @C2' ^ ' 5 ' , "' # 5 ' , ('
"' ? - D 5 ' ' + - 2 @ A') J - J' (T B% 8"'
' *$ ' + - ' 6 ' % ' + ' , $ XB'
, $ 0H'

' C A + @' J@ ' 2'

(' - ' J>+' J C+2' @+' >AD@C' 8+ - ' - C' ? - C@' J@C - A '
- C' +B A . 2' - C' & ' B - ' A - +B@C(' + - ' J C+' - C' @J C +@'
EG' J>++ A . ' A' D @C@A+' J, @

$J J' 9 . 1' < ' 0' SS ' 9' " @' @>@CGD@' ^ >, . ' *$ 4 XH'
B@?' C - ' 1 + - ' +B@' @ +' J, . @' $J >' 3 ' '
8$ - ,, (' 'LNQ' @C B@ E' E ' - B@' @,,@' @C @D' H" (('
G @ @C@D' : EG' B@?' @, '^ - C . '$1' !! ' *$ $) H0' , ' ;==NC$ 3'
!$ (' & ' ' ' 10' ' ;=Q' AD' @>@C@D' EG' B@?' @, ' @++@' @>@CG'
UGAD' ' ;=PN' ! ' 'SS ' =N' B A' B@' @>@C@D' ' J C+' - '
B ' J@J,@' 3) . ' 0 . 0' SSS ' ON2' : ' ,, ' @>@C
+B@' +' B@m)' C - ?' +B@' ,@ A@' $/O$' 1 ' 0' < ' $ 'MOL'
O G' B B' > +' 3 A - ' C . B+@ - > ' - >,@ ' D - +B' @>@C' 5C - ?'
U@D' - A@ ' $%+/' ' (' 'SS ' e' < ' ;:0'
B@' B @' ? G' AD' - > . B+' + - 'E@' @>@C@D' C - ?' +B@' - ? @' A'
+B@' O C@' $%AJ = 7 ' 0' !$ ' ' I ' 'E2' $' ,(
7 B +' AD@' B +B' C D' +B ' +@? J@ +' !@>@C' ?@?2' ' - ? Y
? AD' G - >' $%%>' = . 'C(' 0' L' A/A' @ +' B C?' O@ ,'
+B@@' @ @C'D' C - ?' ?@' $>' 8 1 ' &)' & - *!0' +'
7 B +' C@' A ., AD' 'C .B+ 2' 3 @' C - ?' ? G'D@, .B+ ' + - ' @ @C'
;<NK ! ' ' ! 0' , (C$! ' ' PM' %C@? + - A 2'
? G' B @' E@@A' A+@AD@D' + - ' @ @C' +B@' - >,' C - ?' +B@' E - DG2'

E ' - ' J C+' - C' - J@A' 8+B@' , J 2' @G@, D (

$JO ' 3 ' ? $ 0' 'C(' ('S ' 8;=<P(B' *E2' 3 AA@'
, JJ@ 2? G@' E@' @>@ D' \' D@J C+@D2)
, $ $' ' 8;P<K(LQO' &GC - ,@ 2 +B@A' C +' @>@C A . 'E ' @G@'
, DD@ 2 AD' I > U,G' JJC@B@AD A . 'B@C' D A . @C' ;K)' R
' $"F $ - "' ! * ' 'C$!(2' " @C' 6J ' @' @ @CD' '
#- ' J@ U
- ' - ' D * - A2' D - +@2' D >A +@' 8J@C - A ' - C'
+B A . ' A - C? ,,G' >A +@D' EG' - ?@' ? ? +@C ,' +@(
+) ' 9 . 6' C $ 0' S ' K B@' ? A' >, ' - - CD ' @>@C'
@+B' JC A ' S) - ') 7' &' 0' &' ' O=' ? - A.@'
B@?' , ' + - ' EC A ' A' C >A @' AD' B@C' B@C+' % - A+ Y
. - > ,G' + - ' @>@CGA' 'D@>GD@' ; =<P' , ' ; ' ' 0' (' L='
e' 4 B +' ,, +B@' ? @ ' "@C@D + ?@A+@' B>,D' E@ @J@C +'
@ @C@D' AD'D A@S@D' C - ?' +B@' / > B @' - '% - CA ,' X) L'
' J' ' 0' (' ' O;' - D' - CE D2' +B +' :' B - >,D' B'
+B@?' @>@C D2' 7 B - ?' - D' B +B' - GA'D' + - .@+B@C' SM - +']V
!!>' ' !!' ' PQ' " - ' - ?@C@' +B@' C'B@ C' +' C@' @>@C D' A'
$@, . - A' SM - W) ' - 0' L' A' B - @' J@C - A' +B@' + - '
? .B+@' 9 A .D - ? @' - ' A ., AD' AD' ! - +, AD' B +B@C' ' @ Y
@C@D' C@' A - ' - A - GA@D' ;KL; ' $ 0' $' (2' ,,
+ U@' A' - JJ - C+>A +G' - ' @ @C A . ' +B@' @' + - ' G - > A . ' ?@A'
;KPM' G 8 ' ' 0' ' 0' 8;KPK(' +' XKK' 'C@' - ,>+ - A' B B' @A'
@ @C@D' A ., AD' C - ?' +B@' J J G' ;KQP' J 6 ' C!$ &' 8@D
O(' ' PO< &, + - ' @@' +B +' +B@' D@ ,' - ' +B@' + @' A' B+' - A'
D G' ' ? - C@' AD' ? - C@' @ @C@D' C - ?' +B@' AA - +2' - ' +B@' , ' ;K<K' 5 '
B ' "!2 ' ' S,2 ' ' - >,D' +C ? J,@' +^ ' - C - A@+a' A' +B@'
? >D2' ' +' @C@' + - ' @ @C' ? @ C - ?' 7 A C@D

D ' A' ,@ . ' ,' JBC @ - , -)' 8 ' Q(

;PL ' $!0' $2 ' ' 0' ; ' ' ;'<E2' B@' @ ,+@' A' A +' E@
@>@C@D' C - ' +B@' C@>@C - A' ;PQ<' ' ' !$' " '==' E Q'
!> B' - ? ? - A' O0' - ? ? - A' JJ>C+@A A+(2 ? G' E@@' @>@C@D'
C - ?' +B@' , AD' + - ' B B' +' JJ>C+@A >A+@' @XM P' -
$2 ' + ' 2' B A . ' A D@A+' AA - +' E@' @>@C@D' X) ' $2 '
- ' *0' ;O' JC' ON; ' 7 B@C@' ' >AD' ' D C@ +@D' + - ' E2'
+' - A @' @+' J C+' AD' @ @C@D' C - ?' +B@' C@ +' - ' +B@' +@ + + - C'
@ + +@2 +' CC@' A - ?@' C@' + - C'D@ +B

I'@' - ' J C+' - C' C@? - @' EG' - ?@' +@ BA ,' JC - @ '
8 ' >E + A @( )) ' A - +B@C' +B' B B' +' ' - ? Y
E A@D' - C' ? S@D' ' 1 ' ' P' 1 (
M M' ' "! $' e' LS; ' +' ' > ,' A' %, C G A . ') J - '
C @' + - ' J>+' A' 3 ,U@' 7 B B' +@C' @>@C@ C+B'
+B' +' +B@' C - @C' & C' - ' +B@' C - C @' SMMX '
$ ' ' C " &!0' 0' 8;MM<(OP; ' B@' +B AA@C' AD' ? - C@'
@C - > ' I > - C2' E@ A . ' +B> ' @ @C'D' C - ?' +B@' . C - @C' J C+' - '
+B@' ? ,U' $%%>' = . ' C 0' (;' QN=' @ - AD' ?>,+ +>D@'
7 +B' - ADC - > ' C+' - >AD@D' +B@' C -)@' #@C2' +@ @C A . '@ B'
: AD@2' AD' > ? D' +B@' O>,, - A'DC - ' ' ?>O% : 8 ' ! - 0
' (8@D' O(: ' =KP' . @A@C , ' ?@+B - D' - 'D C ? A + A . ' AD@C'
@ @C A . ' +B@?' ,0' @ C+B a
6 0' 909' ' "! $' e' =<N B ' S - ?@' ' - ' , C .@' @SY
+@A+' AD' +B@C@ - C@' - >,D' @ @C@D2' AD' C@ A@D' EG' A ,,

8 A' O E, ' , A . > . @ (' - ' @+' J C+' - C'
@ . C@ . +@' - C' ' J@ ,' J>CJ - @' , - ' +B' ,) (
[LK' 9 . 6') 0' E AA@' 3 - G @' @>@CD@' +BC@'
' 2 E * - AD@' : - CD A ' ^ , - ' SMXX a' SM)' ' 8/ - > G('
O' $ ' ;M', - B' +B - >' D D +' @ @C' + - ' +BG' @,@ 2 E>+' >
+B - >' D D +' @J C +@' XMSS'] ' 0 . (SSS S' ;=' AD' +B@G'
B ,,' @>@C' - >+' ?@A' - ' - A+ A> ,' @AC - ,? @A+' [QXK' '
$!! - $,) T' " - ' & 6) * ' S' B@' ! - ,D @C2' C B' +B'
B - + ,@ !J - ,2' ! @ @C' ' +B@' O> ,' + - ' 3' C

+ C' A' - - A ,' > @ ' - 'D@JC @' %' + - ' B AD@C'
% & - ' + - ' C@@' % & - T' 1 0

! bK B ') $' $ ' ' LLQ' F > B@A' ' @>@C +'
B D' +B +' GC@' - ' >E + A @' A' @CD' ? /JJ' ') "'
' 44' 8! ' ! (' ' ONK' B@' A@?G ' ?G B+' U C ,@' ,@

@ @C +' C ' - JJ> . A +, - >A' - ' ,) C@' +@A+ ' ^ - C . ' $ ' $1 ' ' '
) ' ' , $ $' &**) ' ' H0' [PQQ' O ' < 7 ' 1$, >') 10
' 8;PKM(L<E2' 7 @@D A . ' B@A' +' ' UA - ++@D2' @>@C@+B' +B@'
% - ?@' C - ?' , A - G A @ ')SM - X 0' 'C (') % 0' C$ (
)$) ' ; ' ' =K=' 7 B +' , ? @' E - , D J C@ >? + - > ' . C - - ?@' '
B@2' / C@ ' +B' E 'C>D@' >D - > ' B CDG@' E ++' B> ' @>@C'
?@' C - ?' UGEC@DD' - A+@? J, + - A'

(' %(

$/% ' < 6 ' &' ('MS' B@' ? - +' J C+' - ' +B@?' +B +'
?@' +B' +B@' C B@E+ B - J' AD' - ? J A @D' B ?' E@ - C@2 - C'
@ C@' - ' +B@' U A . @ 'D J,@ >C@' @>@C@D' +B@?' @,>@' C - ?' B ?'
4PK< ('C %0' &' < ' T ' $* & 8 CE (;N ? - A . +'
- +B@C ' A' +B +' . @2' ! C' B - ? ' , - + '@,@ . @ @D D' B@' ?>@C +'
@, @' C - ?' ,,' @I> ,, ' SMS' ' 6) ' ; ' ' - ' " @E@C'
+B@' 9 @A +@ ' B D' @>@C@D' B ? @, @' C - ?' +B@' 9 @A +@ ' $%$>'
= ' ' 0' ' ;=' B@C' - CD B J ' D @D' +B@' - CD'
/ @J> +G' + - ' - @C' #D - AA@,' J CD - A2' - ' B@' ->,D' @ @C B ?'
@, @' C - ?' GC - A@' $ &/' ' B ' $' .) 0' %0
' ' 2PLQ' ! +X@C, AD2' B B' B D' A - ' @ @C@D' + @, ' C - ?'
+B@' @? J C@' ;KML' < ' ' . &- &!$ ' +' ' 8;KKN(: : ==' -
@ @C' B@C @, ' C - ?' +B@? ' A' B@' ,- @D' A - ' , - A . @C' SKQ' '
+C ' ' ' & ' 0' S ,' ONM' B@' A ., B? A' D - @' A - +'
@ @C B ? @, ' C - ?' J>E, ' ' C
/ ' ' @J C +@' A' +B - > . B+' - C' D@ ' + - ' D + A . > B2'
+C@ +' ' D + A + ' + - ' ? CU' - % & - 0
4= M) 7 ' ' <) !0' C ! 0' ONLO2 : ' ^$@ - Aa' ? ' B@' O G'
B - ?' +B +' G@' GUA - @' E@ C - ?' - +B@C' E@ +G AD' @>@CGD'
A' @ J@ G , ' 'S - ' = ' C ,) ' 87 'D@' 7 (' 2' !> A@'
AUA - @A' AD' AD' +C >A . @' + - U@A 2' @ @CGA . @' +B@' C DG, ' - '
> B@' J@ G ,,' BG,DC@' C - ' GZ - ? J AG' - ' - +B@C' - +B@'
- ? >A@' - C+@' 4P<=' ' ' ,!0' C&!0' ;' ' e' O SJ@D @A+'
+' ,,' E@' +B +' @' @>@C +B@' , ' A +>C@' - E @C>@D' EG' +B@'
- A@' C - ?' +B +' B B' +B@' - +B@C' +@D' GA+ - ' 4MNPO' #
& *& ' N' 2' &!*0' ?' ' +B@A' , U@' B ?' ' & # 2' ! C2' G - >'
C@' E@@' - ' ? A' A' @>@C' G - >' 0' = . ' &' ' 0' &'
' ($' ' ' - ' UA - ' O - +B' J C+> ,' J - C@' \' ,2
B +' @ B' ?@ A@' 2 7 B +' @ @C' @ B2' $' 4MP=' F) ' $1! 3
0(? & & . ' 8 CE (L; ' " @ ' ' J - - C / A@' +B +' AA - +' @ @C'
+B@' . - - D' C - ?' B@' E D' 4<N< 5* & & ' !@J+' OOO' A'
A - +B@C' ,@++@C' B@' @ @C' B ' - A' J - + - A' ? - +' D@ A +@,G@'
C - ?' +B +' - ' ! EE +@C' ' ;<SN 1 (> . ' ;OQ' 7@' AA - +'
@ @C' C@, . - > ' >, +' C - ?' ' , > + - ?

' ' U@@J' D + A +' - C' J C+' EG' A' A+@C @A A .'

J @' - C' E CC@C' # ' +B@' A+@C @A A . ' ?@D > ? ' - '
- >JG' +B@' J @' - C' A+@C , ' E@+ @@A' , - % (
; =LO' 7 ' +C' $' , (' OOL' B +' +B@' CGEE '
O@A@' @,' D@J C+ D' - C' !@>@C@+' S)) ' ' ; ' S '
8! ' ' ! (: ' ;Q: ' O@, @ ,, ?>A - >A 2 I>B ,U ' C' , D' E@'
AD> +CG@' + - ' C' :V@ C? G 2 C' C@? - ' +' ;PK=' 7 '
$ ' ' $! ' S, ' O=N @+' G - >C' , - D . A . ' E@' A' A' JJ@C'
B ? E@C2' G@+' @>@C@D' C - ?' +B@C - > @' +B' - E@' , @' , - @C'
SM - ' ( ) - - ' $ ' !!' " =2' "@' E@ +@' D - A@' +B@'
J C+ + - A' +B' ? G' B@@,@' 7 B B' ' ? > D G >,+' @>@C' B@,,'
AD' +B@@' MSS' 5& (' ##(: ' ,, @>@C' A' +B +'
D G' +B@' , AD@' - ' - B@A2' + B' + - A - ' C? @' - ' @' , ' B ,, ' @D'
+B@C@' 4MMP' 3 ' C 0' !!$' $!! >' $ 0' (' $' ;NO
' , C . @' - @C'D' C - ?' +B@' J - - J2' @ @C'D' C - ?' +B@' E AU' - '
C - @C' ' 4KNP 9) 8 'C !) ' S ' <=' 7 +B' > B' . @A@C ,
A . B +' A+ - ' @ ' AD' - ' +B@' E - > AD' B B' @ @C +' C - ?'
. - - D' L L&'] ' 5,) (' MMS' ??@A@' B@' J @' +B +'
@ @C@D' > ' SK - ' = ' 8 7' C & - 0' 8A@ C' @AD(
C& - ' ' ;KL' B@' . >, ' B B' @ @C' C>,@' C - ?' +C +>D@'
;KQ=' < ' & ' (,' e' 5@A ' A@ C,G' - A@' B>ADC@D'
? ,@' , - A . ' @ @C@D' +' A ,, ' C - ?' +B@@' ? D, AD' - >A +@
! ' - ' D D@' A+ - ' 8+ - ' - C' ? - C@(J C+ ' , - '
%!0' - ' $ ' - C' 1 0 @S ' ' A' P
X=)' &% 0' ' ? . (;KO' 5 - C \' +B@' %C +' @C@' @ @C@D' A'
+B@' ? A@C' ' B +' ^' a' @ D@' E - >@' B@A' +B@' % CD CDC @C'
AD' +B@' ? GDD@, ? @A' ? - +' A@D@' EG@' +B@' C@' +B +' +B@G' B>,"
C B@' - ' +B@' ? G+B @C' 4PLO < B' , ' $"' 8SKKK(KL'
& C+' - ' J , ? ' C' @ @C+' E@ C +' - CD' @, ' +B +' A - A@ ,'
C@ +' AD' J@ @') S MM' , 'K !0' ;M@' L' B@' G,@' - ' $@'
CD@' N; ' @ @C@' C - ?' GD' % - >A+ @ E , @' @ @C@D'
AD' D@ GD@D' $/>>' ' ' . , , !0' 0( ) 10' 'S ,
8;MS<(KP' "@' B@ @+B' +B ' B@C@ @' A' B ' + ?@' + - ' B @' E@@A'
@ @C)' A+ - ' +B@ADCG' @ +)' 4PK= O ' $ ' +C ' & &) ' QL'E2'
$>AA A . ' A' - A@' +C@ ? @+ , + ' + - ?@' + - ' +B@' - ' +B@' %@C'
) A 2 AD' +@C CD ' @>@C A . ' ' @ ,@ A+ - ' +BC@@' >ADCG'
B A@, . ;MSQ = ' ' 0' ; ' ' ;P' B@' C@ +' @C@' @ @C@D'
A+ - ' ? ,' - A) A @ 2 AD' >A, U@+ - ' DC +' - ' AG' D A . @C - >'
E@ D' $%/&' Y L ' \' 1 8V +C' ? - ' ' "' (
$ ' 0' 'S' - ' +B@' ,,' !@ @C' +' @, @' A+ - ' 9 A .'
D - ?@ 2 B@C@' @ B'D @,,@+E' A' +' @, @

E ' - ' D D@' - CD A . ' + - ' U AD' - C' I > , +G2 + - '
- C+' 1 0

- U ') 1(' LM - ' @>)' J@@ 2 E@ A@ 2 AD'
G+ B@ ' @+' +B@G ?' E@' @,' C@@D' +B' G@ C' @>@C') ' A'
+BC@' J C+@ 2 +B@' . C@ +' C - ?' +B@ ? ,' 1 0' ' PL' 7 B A' +B - >'
B +' , B - ?' +B@' G@C' B@J@2 ' +B A' E@' + +G@ ? ' +@' - DC '
@' +B@?' ? ?' AD' - - ' @>@C' +B@' G?' A' DG>@C' - C+@' ' 4PQL KN >'
! $') 0' 8;K)KL(LL' C@AD2' 'G@' B2' . - @' @>@C' +BG'
B ' 7 B@A' ?@AD' B ,, - ?@' + - ' E@' >C@' - ' ? @'
+' - ' - ' D D@' AD' D +C E>+@' 1 T' $ H
S) ' < ' 0' C 0' $ ' +' "@ E D' ' @>@C' +B@'
- A @ C +@' EC@ D@' D@' B C + E,G@@' ? - A .' ' A - +@' B@' ' + - '
C@ @C>@' +' + - ' BG' ?' @,>@
M' - ' J C+' - C D D@' >DD@A,G' - C' - C E,G' + - ' >+'
A' + - 2 ,@ @' - C' C@AD' >AD@C' 7 +B' ' ? +@C ,
- C' ? ? +@C ,' +B A . ' - E*@ +
; =SO ON) 7 ' &' (&' ' ONPM >@CG B@' - A' - aV@C, U'
+ . @C ' - C' , G - A ' O@ . A' + - ' ,,@2 AD' JC - >D,G' + - '
>C - > ,G' @>@CD@' J, +@' AD' ?' ,,@' 1 0' 'M=K J@' (V - ADC@2
J C +' @>@C@D@' @, ,' \' ? +2 $5 *' V' ' 0' !$' &) 7' -
? A' B>,D@' J>++' @ E@+ @A@' B@?' A - ' +B A . @' +B +' ? . B+' @>@C'
+B@' , - >@' +B' +B' - D' AD' +B@' B>C E@' B +B@' - GA@D' A' B@?' ?
;PMN' B +C' ! $') ' & - - 0' POE2' 3 AG' +B ' @C@'
G+' - > . B+' - @' @C AD' EC@ U' +B @ - @+,@' 4P<P
$' 'S + 2' B@C@' +B@' , - @ +' C AU ' E@' @>@C@+B@'
4MMQ = . 'C (' (L' <PK' #>C' ! + +@' AA - +' E@' @ @CD2' @'
C@' - A@2' # A@' 5,@ B2' ' = ' ' T' < $!!, 7U '
L %' ;ML' @+' +B@%) >C+' - ' 3 DC D ' @ @C@ @CG' +@' +B +'
>A +@' B@C' +' - >C - J@' 2;KLQ' 9 8 ' ') , 0' , 0'
8;KPQ(' ;<N' 6 AD@C' +B@ C E AD 2 +B@' J@D ?@A+' ' @ @C@D'
+' +' @C+@S2' AD'D D@' A+ - ' @J C +@' B , @' ;KPO' R
' - (!@C2' ' 8;KPQ(S ' ' ;Q;' - +' ? AG' G@ C ' . - ' +B@'
%B>C B' - ' ! - +, AD' ' @ @C@D' A+ - ' + - ' . C@ +' D - A '
SKMS B ! O(8;KQL(' SMM B> ' +' +B +

+B ' . C@ +' + @' W (=' @ @C@D' ;KMQ' 0 ' ! ') 0' S 2'
8SKKM(O=M A - +B@C' . , , - J@D' >J' E@B AD2 AD' @ @C@D' +B@'
B ? +C A . ' 4KQN ' & - ' ' A 'O=N B@' .@D' ? A'
" +@A@D' + - ' @ @C' +B' B ' - CD' +B@' +B - A . ' B +' E - >AD'
B ?' + - ' +B@' C' 4KQ!) , " , !0' ? 0' LQQ S ' A . ' D Y
- @ @C@D' +B +' +B ' - ? J AG' ' ?@C@, G (' AD, A . ' - A @CA2'
B@' @ @C@D' B ' - AA@ + - A' +B' +

E ' - ' EC@ U' >J2' ++@C2 D J@C @8 A' @?E, .@'
- C' - ? J AG' - ' AD D> , (' , - ' %T' - ' $ T
O&$A"A+') 7' &' 0' &"' 'OLN; ' O>+' C - G,> ' G' B@?'
B @+B' B@C' \' J - AD@C2 AD' @>@C@D' B@?' ? > . C@' ,'B@C' ?G)+'
$' ;PSL' - ' & 0' S ' 8;P;M(LM E S 1 ' OCG+ - A +A +'
@C@D J CU,@D' AD' @>@CGD' A' ? AG' - >A+C@ ' ;PMK < 6R
& ' 0' '<QM' #A' 5C D G' +' A . B+' E,@ @' > B' ' + - C?@'
+B +' @>@C@D' ,, ' +B@' A >,@' 4P<N 0 ' (A ' 'OL'
C> @D J +@D' B - > . B@ 2' ? AG' A' - C+' 8$ ' A . ' AD'
A . ' +' +B@' . >A ' C@J - C+' (! @>@C' +B@? @,>@ 2 AD' ? D,G' @@J@'
+B@' UG@' S JS 1 ' 0' < ' $ ' MLK' @+' +B@' , ++ A .'
C@' ? G' A@' - CD ' @ @C' ;KPL ' < ' !!' 5* 0' SS '
8;KPM(SMK - ' AD' B ' @ @C@D' +B@' J U2' AD' +B@'
DC +' E@ . A
"' - ' - ' >+' +B@' D@ , J' - ' 8 ++,@(' 8 ' 3 JC A+'
- C' ' F @@'
;POL' - U ') 1 0' e' P< 8;POP (OME2' B@C@' E@' ? AG'
? @A' +B +' A' @>@C' +B@G?2' \' +B +' ' + - ' >++@' +B@' D@ , JJ@'
E@ - C@
M ' T - ' J C+' EG' - ,@A @' C - ?' +B@' C@ +' ' 8 : (' + - '
@J C +@' >DD@A,G' AD' - C E,G' + - ' >+2' +@ C2' - C'
J>,,' -
$%A%' ' "! $' e' =NN +' ' C@J - C+@D +B +' ! C @D'
O@ +' B +B' , - @D2' +@C' +B@' " @ C+' B +B' E@@A' @>@C@D'
$' ?>++' 3 . ' "' 4O 3 G' ;M=;2' B@' + ' , ' +C - U@' B B'
@ @C'D' +B@' @ +' B@' D' A' A ., AD' C - ?' +B@' B - >,D@C' - '
+B@' C,@' - ' !+C - CD' $>$A')) ' * 0' - ' PS<' M'
B +' !J@ @' - ' !B@,, B +B +' . C - ' +B@' !>C' @' -
@ @C ,' 9 - U 2' AD' ? ?@D' +@,G'D@' A - +B@C' C@ A . ' A' @C@D'
C - ?' +B@' &, B' @' B@C@ +B@G' . C - ' 8 1 ' $. ' LK'
" @' C - ?' +B@' + U' C @' - > +' +B' ' > + - ?'D' , - D2 7 +B'
> B' >AD@' + A . ' AD' @ @' +@C' +B' ' > . B@' ' G' $>O'
9) 8 ' - &' ' KM2' +C> U2' AD' +B' ' A ., @ , - '
B@' + A . @D' C - - ' ! ' ' C$' & $, 0'
' ' OQ' O G' B B' AG' @A . +B@' C@D' C@D' ,' A + A ,G' E@'
@ @C@D' C - ?' +B@C' +@' + - ' +B@' @>@C' $ JO' ' $10' (;
;NK' B@' E, - 2' B B' ' @' +B' @B' @' ' - ' @ @C A .' B '
B@' D2 - A,G' >+' +B@' . >,@' AD' U A' AD' ,@ B' ;<NK !' '
! (' , 0' C$!' ' ;M B@' B@ D' D@ D' A+@' G@@A'
@ @C@D' E@' - C@' E>C' , 2' AD' +B@C@' 'A - ' +C' @ - ' +B@' E - D@

2 ' $ 2 ' ' - ' D D@' 8' * - A+' @ + +@(A+ - ' AD@Y
J@AD@A+' J C+

8 ##' +C' ! & ' > ' ') 'M< 7 B A' +B@' , - GA+@A >A+@'
@C@' - GA+,G' @ AD' @ G? J,@' +B - > . B+' +B A +' ? - A@' - '
+B@?' ?) @' @ +@' - ' +B +2' +B +' A+ - ' B ?' E@, - A . @D' - C' +@C?@'
- ' ,G @' G@+' B@C' B +B2 A +' @>@C@D' +B@' @@' G ? J,@' SMOW 0
' % 0' ;KO E2' ' ? A' U@+B' ' ,@ @' + - ' - C +B@' ' -
">@ 2 AD' +@C' C A+@+B' +B@' C@>@C - A+' + - ' A@' ' +B@?' A' @@2
+B@' - GA+>C@' ' @>@C@D' 4QM ' & - - 0' ' ;KP
" - ' A' @ + +@' A' * - A+ +@A A G' ? G' E@' @ @C@D' AD' D@Y
+C - G@D' SKSK B ' "=<' B@' I>@ + - A'
2' B@+B@C' +B@' * - A+>C@' ' @ @C@D' C' A - +' SK)P
$2 ' & %C & * "' 8;<NK(K<' #A' +B@C@ @C' @C - A' E@ A . ' A' @C@D'
+B@' - GA+' + - A' ' ' , ' JJ - C+' J C+' - A@D' EG' +@ @A' @@A'
+B@' J@C) A ' ? - A' B - ?' +B@' @ @C@ @C' - A' - ' D' 1 0
;LO' ' * - ' A+' +@A A G2' B@C@' +B@' * - A+>C@' +B@' +@ @A
- A@C 2 ? G' E@' @ @C@D' +B@C@ 8 (EG' J C+' + - A' ' +B@' * - A+'
@ + +@' - C8E(EG' @A + - A' EG' - ' - A@' ' +B@' * - A+' - ' B '
>AD D@D' B C@

E ' - ' D@+ B' 8 . C - A' ' C> +' - C+@C@@ 2' ? A@C , 2'
S+>C@ 2' @+ (C - ?' +B@' - , - C @ ,G
U% A' - B . ' 'H ' C 0' C$ $!!(LQ' ' ' ? A' D@> @+B' +B@'
- ?@' . C - ' A . ' GJ - A' +B@' , AD@2' AD' DG@+B' E@ - C@' +' E@@'
@>@C@D2' +B@' D@>' @@' B ,, ' B >@' +' O%A' ' ' % 0' PPE'
' / @ - C' - @' +B@' . C - > AD' AD' @>@C' +B@' - ? @' ;<S;'
) 7 ' & - - &' ' $ ' 0' LO<' , +B@' E@ - ?@' J@C - A ,'
JC - J@C+G ' - - A' +B@' G@' C@' @ @C@D' C - ?' +B@' - C' . AD'
>A+ ' +B@C@' B@' A' AD' +B@' AA - +2' - ' - >C @' @Z E@' CC @D'
G ' 1 0' QNN' B@' JC - D> ' @' - ' +B@' C' +B' - ' +B@C' B@A' +B@G'
B - >,D' E@' >+D - A' A' AD' @ @C@D' C - ?' +B@' @@B - , D

' - ' @J C +@' AD' C@? - ' @' 8 - A@ - ' +B@' J, A+
A' ' * - A+' + - A2' B@A' B@' B - ' - A - >+@' ' D(2 8 !@@' , -
B ' 0 0+
SM - ' - B . ' O 'C 0' C$ $!!0' <0' 0' - >C' , ' + - EC A .'
' C +' - ' CD@' - ' +B@' E - DG' - ' +B@' E@ C@' E@@A . ' +B A .' @2
AD' +B@' - A@' - ' +B@?' ' > ? ? - A@D' AD' @>@C@D2' AD' +B@
- +B@C@' ? - >C@' +BZ' B@@' B@' ' @>@C@D' ? G' B > ' C +@
- ' - ?J+' . A ' +B@' - B@@' - C' +B@' JC - , - ' $%A'
' - 0' 4L< A' C@ , " - C' ? S' - A' +B@' - A > +@' - ' - A@'
/ @? AD A' - +' B@' E@' - E@?' +B@' ? U@' ' E@ C A . ' +B@' ? U@'
D@ > ' @' E@' ? > ? - A@D' AD' @>@C@D' 4MPO' C 0 3'
1 > ' $ (' ? (LM ' - A@' - ' +B - @' B - ' A ?@D' EG' B
JC - J@C' A' ? @2 ,, ' A - ' > @ E@' B ,, E@' @ @C@D' ;Q=;' ;g'
' < $! ' - ' ' ' S - J' ' - ' % - J C @A@C' C@' A .'
? A +B@' "@A@@' A' 7 C' - ' & C+ + - A' +' %- ? ? - A' ,) 2'
AD' - A@' - +B@?' D - @' +B@' JC - ' - A' +B@' G@' ? > +' + - ? @' - A@D'
AD' @ @C@D2 'B ' & C' B ,' E@' J C+@D AD' @ @C@D' ' @,,' +B@' - ' +B@C@C' C'

D ' - ' J C+' 8+ - ' - C' ? - C@D' @@AD A+ (A' +B@ C'
+C , ' 8% ' ;N (
SMM - ' $!' ' PQ C@' G - >' ,, ' . C@@D' + - ' G - >C'
%B ,, @A . @' !' ? G' - CD B@A' @' ?> +' D - ' E@' - C)'
@ @C' G - >' AD' - ' + - ' +C G' , @ @C ,G' ;M<' $ ' - ' @ ' -
0' < $ $ - (' O0' I @ @C' - +B@' ' - A' D - @' , C@' +B@G'
,, @ @C A' +B@' C' %B ,, @A . @ 2 @' ? > +' D@' C@' + - @' @ @C +B@?'
A' +B@' @ C' - ' CGD2' AD' + - ' E@ . A' +B@' CG ' , - ' ? G' - CD'
&C@ + - A

K ' $1 & !T ' - ' ? U@' ' @J C +' - A' - C' D - A'
41 2 ' + ($ 0
SMSS ' 5& 0' S' = B@' - CD' B ,, @>@C' E@+ @@A@' +B@'
++@,' - ' C , 2 AD' +B@' ++@, , ' - ' . GJ+ ' ' ;MOO' ' ' ,
8 7 +@C & ($ 0, & - & $' 7 (B@' & - J@ AD' +B - C' ? @'
- C+B2' B@' @>@C' - C' - ? E A@ 2 - CD A . ' + - ' B ' ? - - D' +' C A@'
- C' B A@' ') K <' &' ' $ 0' S ' KO' B@C@' C@D' A' A' C'
+B@' 3 * - C J C+' - ' E - +B@' " - > @' ' - ' ? > B' ? A . 2' $@ - A2'
$@, . - A2 - + - AA@ ' 3 - D@ - C' - A2' ' + - ' UA - ' A +' @ @C'
E@+ @@A' +B@' > @' ' AD' E> ' + B A . ' $ A' B C$ &, T
' $ 0' - 0' S ' O=L' " @' + AD' E@+ @@A' +B@' D@' D' AD'
+B@' , A . ' " @' @ @C' E@+ @@A' B@C' J +' AD' B@C' >+>C@' , @

' ' (8% '+B@ C@ ,@S @ > @ ' A EC A B (
2 # ' ' J@C -A ' - ' . - ' G2 J C+2 E@ >AD@C@D
% & - 0 # ' + - ' -C ? -C@ ' - ' E@ @J C +@D2 I > +
@ B -+B@C2 . - ' >AD@C2 J C+

< '&(%% < 0 6 ' 0 ! " - @ ? ,G BG ? ' UG @D2
,E A B- @>@C@ ' BG ? C- ' & 0 ;<KQ2 \ U@ @ . . @ -C@2
+- @>@C +B BG ? U@C@2 : G B D@ -AD@ -C) G,G +B
,-AU @>@C ' , ' ;L) 6›.%6. $ ' ? . (8 3 ! ' 0 (L<M
A >C@ , + D G B) A +L -C D@ \ @ B , @>@C , ;=QN
&! $!!$, KM >D@ ,G B+ B ? @ 2 C +B + +G ? @2
G + B@ @> C ' 5 -C -D@GA +CG 2 C + B@ ,D A- B+ @> C
NSDD " . L 8 ! ! (MN ! -A@ @ + C E +B *VM
C ? G @C + AD C@+>CA + B ? @ & & : # & !0
C ' , A 2 % - ? @2 , , @ @C 0 >+ U@@J + , , +B A . B+2
;MMQ C ((S LMM ! @@U B -+ +@ ? J+ + -A +B@A2 B B
+- - D@ 7 @C@ E@++@C2 AD ? - + , U@, @ C- ? ? @@ B ->
@ @C A -+ NPNS / * (E ? !&) ' 5C- ?
+B@ D@ C ? A >A , , A . B@ ? > + @ @C2 1@+ + U@ -A@ U
E@ -C@ B@ J C+ -C @ @C2 ;Q<; & ' & ' V 2 @
-AD U 2 AD +B@A @ @ @C R &') &1 & 3(
7 U ;KPN: L; !B ->,D @ @ @C C- ? @ B -+B@C22 A- -C@ . A
J- @C , , , ,G +B > 2 ;K= 7 & - (!@C
[0 8;K=) ;MM B@ ? -C@ +B@ J C+ @ @ @C2 +B@ ,- @C +B@ UA -+
E->AD

E - +B A. 2

4!# .) ? ! $) ")) S 8;PPO) S8 3 AG@
+G ? @ +B@ -A@ @ Aa @>@C@+B C- ? +B@ -+B@C E@ -C@ -AV
>@A @A+ @ -A AD - > @+B E-C @ ? @A+ $/0
& ,(*0 4 $ 0 & ? !$, . C ' , =Q ? -D@ +G
AD - ? @A -A @ D-@ @>@C2 5 C@ @, , ->C ? @2 C@ @, , ->C
A ? @ -C @>@C ;MNP 0 $ ' 0 SS e ;Q KM E2
B@ +BC@@ A +B@ E-DG@2 - A +B@ ? AD@ @@,D- ? @ ?) +@2
AD %- ? ? -A,G @+ @C $ SM M C " &!(- 0 0 -A A
8;MQ<( )#) !J C + - 7 A@ ? A.,@D +B - ? ? -A 7 +@C2
,+B->.B + ? > B , .B+@C +B A #G,2 @ @C@+B A-+ . A2
#G, D-+B SK)) $' ' , SS >2
B@ @ , J C- ? +B A@2 : UA- 2 ? > + !@ @C2

% # , J 2 D--C 2 -C +B@ , U@ - . - J C+2
-J@A

>0> = ! = ? $ < ! 8;K;) OMQ
" @C , J @ @C@D2 E>+ A- - @ B@ CD XKSS 3 = M
5#$/ ? !$ ' , & % $! A 6 +C A.@ [ ) 8 KQ-(: ;LN B@
D@ ? A 5@,+ B@C B AD " JC@ >C@)+ AD C ? 2 !
B@C , J @ @C ;KQ; 0 . C 0 $) 2 '
+B> 2 B@ J-C+ , - >, , ? @A+ D@,G @ @C

D # B-,@ -C . . C) +@ - J C+2 E@ - ? @
D D@D2 E@ @J C +@D A+- J C+

CS=NQ 3) 7 & ' ' (OPOQ "@C - ? J AG@ @
@>@C@+B A +2 E>+ G#@C@ ! B@ G +- -+B@C - @A+@C@ X=
-] & '0 & " =NK= !B@ ,- @ - B@ ? J -A @>@CG
GD@2 3 UGA.@ B@C C@A) -C +- @>@C@ GD@2 $ $/& ' . .
& 0 ' (%(;<0 E B -C+C@ @ +-D@ A > B J, @2
+B + B + +B +@C AD B + +B ? C B@ 2 +B@ C ? G
? > + @ @C A +BC@ J C+@ SM-K : 2 ? " & ' › & ' * (
> 2 2 +B@ ->, D@J C+@D C- ? +B@ EEDG2 B@ E-DG A+
-B@C@A @ A E J C+ % A A-+ -A + E>+ @>@C AD D
-,>@ ;KNP M $ ' ' % SS ;0= " +-A.>@2 -AY
+ A>-> E@ -C@ AD J+ 5-C>++@C A @2 @ @C 6 % ' W: AD
+B@ -+B@C ' -CU %,- A. >A +@

;N !$ 2 0 # + - -C ? -C@ D@ @AD A+ -
J,@ D AD@J@AD@A+,G 3 -C@ >, ,G & ' '
, $!! ' (' % ' , (@+

$ L%A/ ' O=) - +B->.B +B@ /@ @ADY
A+ B , , A-+ @ @C A / , +-C @ 2 G@+ A 0 C +B@G ? G
SMM- $! , PQ -A@ %B , ,@A.@ -A@ ^- +B@ :>CG
J A@,a2 AD A-+B@C)B ? ,) .@ A-+B@C2 @ ? > + @ @C2 AD
. - +- CG , -A@ EG -A@ *) S $ ' - 0 (< $ $ -
@+ OL G-> B D *-GA@D J G->C %B , ,@A.@ 2 +B@A G-> B D
E@@A , , +)) B@C B + D A+ .@ G-> ,- @ EG
@ @C A. A G->C %B , ,@A.@ SK = : C - , 0 C! $ '
OQN %B@ D@ @AD A+ A @ -A @ >A +@D A +B@ J,@ 2 +B@G
AA-+ +@C CD @ @C + +B@ C)*- AD)C O // = B.
(' (AA POL B@ JC -A@C B- @C@ C + CY
C .A@D D D A-+ @ @C ? +B@ C B , ,@A.@ 2 AD @C@ -A @Y
I>@A+,G +C @D +- .@+B@C OKK= - *(S- 3 G
) LOS B@ D@ @AD A+ B D @ @) A +B@ C D@ @A @ +- +B@
+ -A L $ B * 0 OM . $ ' , ((QN4 3 -+ -A ? D@
EG ->A @, -C +B@ / @ @AD A+ -C ,@ @ +- @ @C A +B@ C
D@ @A @ T

E # *- A+ +@A A+ - D D@ +B@ C*- A+>C@

;K<P ! $ 3 + $ / & % C &* " 8;<NK(;L4 7 B@A *- A+
+@A A+ -C , @) @C2 @ B2+ U@ +@A A G A @ @C ,+G -C
A - ? ? -A -C B - A , @ A B B C@

! @ @C E,@ 8&@ C E' (2+9 ^ !0 I 0 " N " . V
% J E,@ - E@ A. @ @C@D -C @J C +@D D + A +2
@J C +@ $1! ,&' $, ›(

$/& < (* (E2 0G & >,@ D- +CGA@
+- @C>@ +B@ 6 C@ \ +- JC@ B@ E@ ->ADCG@ AD @>@C E,@
- @ AD ? A +@CG@ OM=; ' !$ " *
C& & ' - ' %- ? ? -A) @AD J+ - - ? ? -A C .B+ AD
@ @C E,@ SMPS +C V , - ' › &) 8;MPL(O<O ! > +
EG + - A-+ @ @C 6@ SKSK B ? 8C O(=QN
*- A+ @ + +@ . @A +- +B@ B> E AD AD @ E@ -C@ ? CC .@
! @ @C E,@ 4K=Q %2)) & ' $, , e 8;KKL(
OPN B@ -CA ?@A+ , S+>C@ A- B@,D @ @C E,@ AD C@Y
? - E,@2EG +B@ +@A A+ C@ +- @ 2 + A@ +CG2 AD -CA Y
?@A+ , -CA @ J E,@ - E@ A. D@+ B@D +B->+ A*>CG
+- +B@ E> ,D A+ $ & ' $2 50 & $, &
@ @C E,@ -A+C +) @J+ E,@ - JJ-C+ -A ? @A+ -A@ +B@C D@2 -
EG + +@C ? 2 > @J+ E,@ - JJ-C+ -A ? @A+ -A@ +B@C D@2 -
+- -CC@) AD +- +B@ >A @ C@ AD # 3 D@C + -A -A +B@
-+B@C D@ VKPO % ' 9) 9 , $ (- 0 !@C A =O
7 B@+B@C @ >, C UA- ,@D.@ A C .B+,G E@ C@. CD@D
@ @C E,@ C- ? C@ , . -A ' 0 > ' C$ C (
@ 8; K) OL4 + +@ ->,D A-+ . @ >J + . -D 2 A-C ->,D
+B@ . -D . @ >J + +@ B@ -AA@ + -A A-+ @ @CY
E,@ SK) $2 - %(PLO , - >@ - + @ -
B B +@ @ @C E,@ ?D D + A +

! @ @C 8 @ @C ,(2 2 $ (AD 0 , - = K
, , 2 8P @, , 2 @2 * , S(2 P M @ , 8,@2 , , @2 8Q
b,@((Q K @ @C 8Q , , (2 ^ 2 5 $!
D* A E 8 B@A @ ?@D - + (0 (?@D
!*$! 8A@>+ E %$ @J C +@2 D Y
+ A +

) ! A C@ ' +C A , + -A 8;LKQ(- ' " . D@A ' C&!" 3
, &' ,& ' 8$ -, , (=< 8 3 ! !+ : -BAH % ?E " (
T @>@C@, @CU@ g A @CC-C -C ! 0!
'$ $ B(

S + A . J C+2 @J C +@2

" D A . J- + -A2 @S +@A @2 -C + +A J C+
@J C +@2 D + A + 8 X(A JC@D + @ > @ 1 (

;=OO 7 +C $ (S, , ON< ! - - @ +@ +B- 2
,@S AD@C2 +-B >@ ? @ .@C AD -A ? , , ->C 2 AD @>@CG
- +B ? B , , E@ @>@C , , ^-C . * * $ $)](, 4=LN
- $ & ' " 8@D " , , ;K==(OO B@ +BCGDD@ J-GA+ ? - +
E@ @ @C@,@2 7 +B +B@ JC@A+@ UA- @ BG+ @,@2 " G ? G +@C
- A @, B@ U@J@ AD ,- @ AD BG @,- B . --D@
J>CJ- @ 4!L< . 8 C@ +(O . & '(SS O; X+ D @,+
@>@C , , A A B-> @ ^SMSS A @>@C , B-> @a E@GA.@ ,@J@C
O >> < 7 1$, ›) 10 8;PKM(;=P) C-D-+B
- ? ? @AD >ADCG , ++,@ ,- U U@J+ @>@C ,2 C +B@C +B@A .C@ +@
,- U@ +- .@+B@C SMS 8) $ ' (% ! (;N<
3 AG 3 A> ? @+ A E@ , - ->AD E-+B @ @C , A >ADCG
JC- A @ 2 AD -+B@C @ ? A.,@D +B D-, +@C ;M=O
- B . . &!" = C &%0 (O=L !@ @C , , C@ +B@ > @
- 5 ->C +@ , , 2 D @C@A+ +B@ D@.C@@ AD ? AA@C -
+B@ C C> A@ 5 G › V [0C - 0 & 0 8;MMN(PPL 3 + D@+A.
+B@ ! -A - ,JE @> 2 AD !+ : ? @ +B@ 0C-+B@C - ->C -CD2
-C @ @C , B B @C@ E>+ -A@ AD +B@ ? @ J@C -A ;MP=
9 . N&& & - $ LLN 9@@J A. +B@ /@, @CG - -+B@C
#J A -A AD ? G - A @ @C , , 4QNQ =) 10
8;QO;(: : LL= B@A .C AD -C E@ + +B@ ? 2 U@@J A. +B@ 5 J +
@ @C ,2 A @ G-> B @ @A->.B +- , , @ @, - -A@ U AD

8) (A ++C E>+ @ > @2 +B $ AD %!0

;P; ; < B .6) C ! (8% ?D@A(Q< B@G B >@ @>@C , ,
,-G +@C AD @>%C , , ,-D.GA.@ 2 E>+ +B@G U@J@ , , +B@GC
DG> A@ @C>G@@ A -A@ I>@C@ , +- .G B@C $;PLL -
C) 0 C ' $ 0 8@AD(5 *2 7 B + -@>@C A-+ A @C@D
A +B J C+@2 B ,E@ >, ,G -A6GA @D A +B@ +BGCD@2 B B
B , , E@ @>@C , , E-U@ . GA + ? G , -CD@ - $- B@ +C@ ;P<=
- . 6 !1 &0 ? P $@ @ >@ +B@ - ,@ A+- @>@C ? ,
. , @ EG + @, @ ;P) = . ' & 0) (L G->
B->,D@ U@ +B@ ? 2 BG + - ? @A - -A@ A ? @ B->,D A-+
E-+B . , >@ -A@ C ? @ % +B@G , , +C .B+ A @C@G->2 +B +
+B@G E@ - @>@C , , B-> @ ;MNL ` I C - 1 & . +
8;K<;(LL A @>@C , , AD ,-A@ B-> @ SM - I . B
& $) 1 0 P;K B@ - ? ? S+>C@ - @>@C , , @S@ 2 B B @
, , 3 CC .@ SM) 8 * ,0 (2e O 8;M=L(MN @CG
,@ - A -AG-A @ @C , , AD D @C A. ,@ ;M<N
= . (' (; ; 8@AD(0 >+ - D @C@A+ + +@ #
+B A. C@ I > C@ @ @C , C@, + -A2 $ SG-- 3 . $ "6)
4M=P2 5C- ? B@A @ @ +@D !+ !J ? +- AD !+ C@A @2
C@ %B>C B@ A @ @C , , , AD 2 L) $1! 5C@
% 4E2 B@ $@@ @2 +B@ 3 , ,@C2 AD +B@ %-#U2 C@ @ @C ,
3 @A ;QMK B 0 $ (8;KL=(L; ; + +B@ > +- ?
- &C- D@A @ +- J@C @ + ? .B+G -CU EG ? >,+ +>D@ - 2
A +C> ? @A+ 2 @ B J@C -C ? A. ? , , AD @ @C , J C+ - +BM
B-,@

+ E !@J C +@2 D + A +2 -C D @C@A+% & - 0 1 0

>) .) * * & % & 7 U 8;PQL(=MQ O ! - E@ @
A- EG 0 J+ ? @ C@U@A@D +- E@@ -A .A@D A+- %BC +@
%B>C B @>@C , , C- ? ,@ @ 2 J GAG ? 2 O/ L)
C$ 2 0 V ' & 2 !(SS 2 B@ +B CD@ BU@ ? ? @ E +B@ E
.C->AD@ , A@ 2 @>@C , , C- ? +B@ -+B@C2 E>+ G@+ @I> , , A+-
+ 4PMN B +C ! $ ' › & - - 0 LQL E2 + ^J@A A @a
, - @ @C , , ! C ? @A+ C- ? 0 J+ ? @ ;PMM 1. "
0 E ' 0 B 2 ! - 0 PK ! A+ >U@ 2 +B + CG@ -
+B@ G -A A B D@ E@A@ A .C@U@2 ->,D@ A-+ B >@
+@C ? @D + @>@C , , , A.> .@ C- ? +B@ .C@U@2 E@ D-+B2
, , A. + G -A , , ;P<< ? &) &% › 0 S =N
%BC + A +G B +B @D ? AG -CD A @>@C , , @A @ C- ?
+B@ - ? ? -A JBC @ SMS . & ' - 0) S
O>+ +B@ JC@ @J+ @A+ C@ - + @, @2 AD @>@C , , C- ? +B@
-+B@C E@ -C@ 4MLM ,& › < (LNO +B@C +B@
B-,@ A> ? E@C @>@C , , C- ? +B@ 5C + -A -C @, @ +B@
B-,@ A> ? E@C -GA@D +B -A@2 -C E-+B - +B@ 5C + -A
+ 7 +B C@ @C@A @ +- >A + -A -C > @ / Y
+ A + @2 J C+ >, C 1 (

!@ i & - C $" < ' (= ,& (8;PK=(" K2 , ? + +B@
3 A +@C , - @ - ? @ -C ? @ - JC G@C +- +B@ B B B@
? G JJ- A+ - ? @ @>@C , , D G@ ? +@C +B@ !@C ? -A2 @@U@,G
+- E@ - / @C>@D S) . & ' ($ & ' - $DC O L2
AD@C +B@ JC@+@A @ - @>@C , , D) -+ -A +- - ? ? + ? A -,D
A.-D, A@ @ ;PK= 0 $ +C & &) A Q<E2 >@CG -A@
D-+B @C> @ +- , , +B@ .-D AD @C@A+,G2AJ ? A E@ A.D CU@D
-C B- @A +- E@ +B@ @>@C , , ? A +@C - ? G ? @ .-D ,-A@
;P<M 1 $!0 7 U 8 ,-E@(MK; O , , ? @A B->,D
? CU@ +B@GC ++@, , +B A -J@A @ @C , ` ? CU@ >J-A +B@GC
, A U@ ;MS=) - ((' & ;QK B@ A @A+
& @+ AD OC + A D-CA@D +B@ C E-D @ +B .>C@ AD
E, X-A - D >@C -, ->C 2 B B +B@G -A @ +>C@ +- B >@
E@A@ @>@C , , -C J C+ >, C ? , @ SM=0 < 7 ' (
OS= B@C@ C@ A- @ @C , , +@C ? A + -A -C @ 2 A ,) + A@
+ D + A . @J C +@,G -C AD D> , ,G B A.

@J C +@ C@ J-A E , +G 1 (

;=MM $!(' ,0 ,( )1! ' 8SKK.(LOO B + @ @CG
J@C -A B @B -A - +C@ J . GA@ , , ? AA@C J@C -A
-C J@C -A@ - %B@ +@C2 *>A +@ -C @ @C@, , + B J,@ GC@
>#! A 5& %0 (0 & - - (JJ L;O B@
J GA@ +- E@,@ D EG +B- @C AD EG @ @CG - +B@ ? 2*>A +@
AD @ @C , ,

/ F> , GA. J E AD D> , ,G @J C +@
D @C@A+

&C@ @D@D EG A D*2 - A>?E@C -C J,>C , +G2
4=K A $ 0 $, 8$-, , (: =KL B@C@ WD>@
>A+- B ? +B@ - ? ? @ - * S, * EG +* @ @C ,S
- ? J+ A %A B I I 5 ;Q , +B->.B D >@C +
@ CA@D ?@A B >@ ? D@ -A@B@CE@ - BG ? EC ? AD +> @G 2
G@+ J , GA@ +B@ @ B) C@ +7- @>@C , , E ?E@ ;PKK
$ * ! (8 CE (=O -@ >@C , , -BA 2 AD +B@ +B@C AD
+B@ -AA) +B B D E@@A) E-+B C@ + M-
$ (ON A @S + - ? ? AD CD@D +B ? AG
@>@C , , -C+ -C@ -A2 1 (& !
8;ML=(< %B A -A+ A@+B +- + @CG ? AG @ @C , 9 A.
D-?@ 4M=4 $2 * ($ 0 * 0 QP B@
-CD ! (> @D + @A+G @ @C , +@ ? A+B@ @ + Y
?@A+ 4Q; -) & ' H 8 , -E@(QM , +B@ @ / G
@A+ C@,G J@A+ A ? @ @C , -G . @ SK-N 9) 8
$ 3 $* !MQ BC@@ @ @C , J , , C 2 @ B C->.B
B@ A +-A@ L >0 < ! . &( ) , L BC@@ @ @C ,
+ ? @ +- B@D

0 &C@ @D@D EG +B@ D@ C+ ,@2 J- @ @2 @+
: %B AD , , - ' , " B& ' % 8@+ ( ) -> -C
D @C@A+

4==L +C !$) $ ' A)) 4 4 , , + OQ< ! - +B + G +B->
7-,D + A + @A ,GA@ +- B@C @ @C@, JC@G@C + 9 - ? G C@ I >@ +
+B-> E-,D + A-+ ,@++@ B@C , , @ --A +- J@C ->C ? @ 4!<=
0 , . (2 QK2 : D-@ A-+ , U@ +B@ @ @>@C , ,
%->F @, 2 , . ((. 3B O / C D@ +B@ >C
+ A@ 2 AD D ->@C B@ @>@C , , U@+ +- +B A-E,@
&C A @ SM) ! $ $ (LL "@@B D @, , @ @D
B@S) @>) C , , -C @ 5g NH & ,(&, . H (&! $0
& ' " 7 U ;QOQ OPL , , +B@ @ @ ? , @J C +@ %-AY
.C@. + -A 2 , , + B -A@ A-+B@C) ;QS; ' ' * 0
- ONP % O O@ D@ .C@ + ? AG , ++,@ 0,@ ? B@ B B
G-> B @ +-> B@D >J-A ? G->C @ @C , -+B@C& J@C 4QL4 K
6 3 C&!(&' $E A+C-D L< A +B@ %- ? J - ? G
- A @ @C , I > A+ A @ ;Q)) < 3 . . A C$
C$* 8; !<M(: M= 1 ->C @ @C , / J + B@ B @ E@@A D>,G
C@ @ @D AD , D E@ -C@ +B@ 9 A. ;K== C % !&3
$5& ' 84KPK(S ;NQ / >C A. +B@ @ @C , @@U B B
+B@G J@A+ -A +B@ - + - + - ") SKMM : = 8
0 : ;<K - %- ? E A@ +B@ @ @ @C , JC-J- + -A ;K<L
((& " %) ' ; + +- +B@ -A+C- , &. +B@ !>A
+B + +B@ @ @C , J, A@+ C@ AD@E+@D -C +B@ C@.>, + -A -
+E@ ? - @ ?@A+

- 7 +B->+ , ? + A. -CD A> ? E@C - D @CY
@A+ C -> 2 D @C 2 >ADCG 8 - ? @C.@D A = (

;P) ' 8 C$ 0 C! $ (S+ ? 8;PPP(OSO 7 B- @ . --D,G
+-C) A +-A.>@ @ @C , , E->+ @C@ @A+ -C +- E@ J@CY
J@+> , ` 5 & - ! ' SMK E2 7 B@A @>@C , ,
? ++@C C@ @>@C , ,G B AD@,@D SM-S (LON2
c , , +B . B+2 A @>@C , , " AD 2: A + B 7 AD- @
+BC- 2 +B@G ? @ C- ? @>@C , , % + X@A 2) 7 C + A. SM+K
1 & , . ;O !@>@C , , C@ J@ + - + >A.) --AC D@C@D
,-A@2 AD EG +B@ ? @,>@ $%/+ - B . . C $; S / +@ 2
, ? -AD 2 >+ 2 AD -+B@C @ @C , , C> + L%
) - (E ' 0 e OP 7 @C@ +B@G +>C@ 7 -CU ? A B J2
+B@G ->,D A-+ E@ - C -> A @ @C , 3 @A SGS- :
(< 0 ? 0 A ; ; ;) ;Q=L(LO< + @@ ? +-
B @ E@@A E> ,+ + @ @C , + ? @) AD EG D @C@A+ J@C -A
$ AJ #) & - (-) - (P; +) - #C +BC@@ ,@A @
? G E@ U@J+2 - @ @C , - , ,@A.+B $ / / # . . 1
$ ' 0 < &!0 ONM 6 JJ@C , ? @ +-A@2 @CA-> 2 +B -C ,
E AD ? @ @C , + .@

D A ,@. , > @ 3 -C@ +B A -A@

+) S $!0 $2 ' 0 " ;P (B@G E@ @+ A +E)
C+) A. -C @>@C , , .C->AD@ AD B@ +B + ,G +@+E ? G -
- ? J+ +B@ ? 2 -C B@ G, , E@ ? G+ U@ +B@ ? -C-A@) ->AD@
+@C 3@ >C@ . ' 0 ? eO=; ;M= B@G
E@ E>+ -A@ B@ C@2 AD G@+ @>@C , , J@C -A $ A& 1
C ' , 0 C! $ ' OQN B@ > @ - @ @C , ->A+ 2 AD +B@
, , - A @ - @ @C , J,@ ;KPL A 7 7 , , ? ' & (
C! $ ' = " ` \ + LNQ !@ @C , J,@ 2C@J, + -A -C >E @ I >@A+
J,@ D A. 2 -C @ @C , - C@ -C - . A X A @ ->AD@D -A
+B@ ? @ .C->AD - A @C-C D@ @A @ !% (0 !@ @C , ->A+
-A +B@ ? @ > @ - + -A B , , A-+ E@ , , - @D

0@ A. -A@ - A> ? E@C - AD D> , - +B@
? @ , 2 $ " -C $, $!5 @ @CG -C
@ B AD D> , -C A. ,@

OSPMO 3) &! " 8;K<L(4;O 6 AD) +B@ @ , ,
- @ @CG @ @C , , >AG @C + @ ;P) K 3 . & ' (: :
O B + @>@CG @>@C , , J@C -A2 @ , , B-C @ ? @A - -+@
? @A B->,D CG@ .C@@A@ E->.B A E B AD S <S
H &< ' 0 0 + ;NK , @U @ @ B @>@C , , J J@C2 -C ? @AD
L%AA = +C ! - $ ' › <) 0 - $ ' › !%(; OLQ B@ +@ C A.
- @>@CG @>@C , , B GC@ @@ ? @D A+- B ? +B@ J,> U A. ->+
- - ? AG @G% ->+ - B B@ D 4MMP = . < &) ›
&2 ($;NL 7 +B->+ +B@ -A @A+ - @ @CG @ @C , ,
&C- A @ O JJ 2 I B A " C@ % 8;KQN(
O;= B @ @C , J@C -A B@ @ B @ @C , CD A ,
B JJG -A , @ 4K=Q3 $! J#$! $! ' ' 5 5550 8;KPQ(
> # 6A,@ +B@ ? 6@ +D +- AB E + 0 CU' 0> ,D A.
@C@ B- +@D >J EG +B@ C A@ ++ B@D +- @ B @ @C , B-> @
S = 7 A (! (= (!@C2 8;KMP(L< @CG
@ @C , C@@U + E->AD +- >E ? + +- +B@ % +B-, %B>C B2
-A@ EG -A@ SKKW O A < & 0) (" =QQ O
AG - + @,@ ? @A+ A E@ +C@ +@D +B@ D -CD A+ A-+@2
? +B@ C@ >,+ - ,@ D A. +- D @C@A+ U@G A @ B @ @C ,
@

+ E & &' $! A. ,@2 -A@ AD -A,G
-A@ , - $ $! ? AG 1 0

> # , $ " &, (5 G2 B@ B>C B - $- ? @ E@ A.
E>+ @>@C , ,) >C E2 E ,@A. A.@ +B + A ? @ - % +B-,GU@
E->@ D, -+B@C PML & - ! C $" ;OOE2 7 BG
DGD +B@ J- +,@ ? ? @D +,G +@C B @A+ -A2 . +B@C
+B@ ? @,>@ +- .@+B@C A+- -A@ @>@C , , J, @+ \ 0 ((
8$B@ ? ($@ SS, O; @ G . +@ - -A@ @ @C , J@ C,@
: & & - * !0 ONM B@ @+ , ,@A+ - +B@ C B@ C2
B >@ C@ @ >D C- ? ? AG @>@C , - C@

= . >@ A> ? @C , # A AD@ A +@ 8E>+ A-+
, C.@(A> ? , . C @S @@D A. + - -C +BC@@ ? -C@ +B A
+ - -C +BC@@ E>+ A-+ @CG ? AG2 8 B@ B @ >CC@A+
@A @ (

A @ C, @C A + ? @@ +B + ? G E@ EC->.B+ >AD@C +B D@,
A + -A2 + D >,+ +- D@+@C ? A@ B- C +B@ @A @ -
TD @C@A+2 C -> " C@ ? A +B@C@ ? CU 3 $0L
MM A # . * 0 0 (& - - 0 JJ M / >C A.
B B + ? @ B@C@ @ @D @ @C , , > ? - ? -A@G+ -+B@ ,>@
- LNN 2 MMO: 3 +C ! $) & "0 - 1 $ 0 ;P= B@
>CC@A+ B A. -C D +B@ !B J >J-A +B@ B-C@2 @>@C ,
@C@ -A +C A@D +- + G -C @ @C , B->C 2 S) S =
C0 (OQM A@ @@2 - ,@A.+B +B A@>@C , , !@ @C ,
D G * ->CA@GC ,GSS)) * (4P< b S 7 B@A
+ C AD % ?C-2 J U@D >J @ @C , #C @A+ 3 A>Y
C J+ 4Q=K & > " (3. MP +B-A.- @ @ @ -
+B- ? A ,@A.+B2 +B C>AA +A.A- @ + -A @ @AD@ - ,
SKM-) . ' < !$ (LQ 7 B B ? G E@ @@A EG @ @C ,
B>ADC@D J@C -A +-A @ ? J 3 0 !(2
! - ? @ +@A C@ ? @ ? E@C@D +- B @@A @ @C ,
+C A.@C -A +B@C- D
+- . --D ? AG (
;QSO 8 6 0 (&) 0= !@ @C , G->A. 3@A
+B@ 6A @C + @ 2 +@CC E,G J- @ @D +B @ C -
&@D A+CG2 C>A A+- -C@ S+C@ ? B) 7
L=; 5C@A B %@,+ U2 -C 5C@A B OC+) ! + -A CG 2
> @ >, AD >C ->) -C AD A. +B@ +G? -,-.G - @ @C ,

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

E,@' -C' ' @ @C@" -A@ +GZ AD' - @'-'B '%->A+CGZ $';Q;P'
O>$ \C 2' - '8;Q7(' '# "' "@' ' '? A'-' @ @C@'
?-C , '$>O' 1 ' ' $' T' 'Z &)' ' $ "»' ' '
=+' ' ?,G')@ + D' @ @C@'@ -A-?G'A'B@C'+C @,,A.'@SJ@A @ '
SK K' ' &1' &"'S Z ' ? A'-') @C@'+@?J@C A @' SK
' ! ' &'&%' $!' ,$' Z 7@'?>+' ,' '?@A'
+B +' A' @ @C@'D@ -+@DA@ ' " @' B- @A' +B@C'J C+Z AD'
E->AD'+B@? @,@'+-'D@ +B' $%O' u ' ( ) . "' '
LNM^" a' @ @C@' ?)C+B6 +G' DDW @ .B+'+-'B ' >+B-C+G'
$ >O - B) $'SS '=K;' ' $-? A' ? +C-A' -'+B@'
+C +@ +' AD' @ @C@'+'+GJ@

E '# 'B E+Z@+ ' / + +@D'EG' +C +' AD' > +@C@'
JC A J,@'-', A.

K K' 8 ..'A' 5%'C 0 ' 'LM B@'!J C+ A' ? AA@C'
@C@'C->.BZ ?J,@Z AD' @ @C@' ;)'5 ->-@' $' '=<'
B@'B E+'-'+B@'B-> @B-,D' @C@' ?J,@' AD' @ @C@

N' # ' ' @ C@+' !+C +,G'U@J+'8'&1 T' # ' 'C@ ->Y
+-A' ' 6AG @,D A.Z C . D

c <]'5 0 / " 'E% ('<$!' ' ; :'E@.'+B '+B A.'? G'E@'
U@J+' ' @ @C@' @ C@+' 'CB ' !' $!' &$,
7 ' ;K<N 4 6 'OQM B@' ?J@C-C D@ @AD@D' A' .C@ +'
J-?J' C-?'B '+BC-A@Z +B'+B@' @ @C@ +'C@ -,>+ -A'A@ @C'+-'
C@?->A+' +

M' # ' A+@,,@ +> ,'-J@C + -A Z+B->.B+Z@+ '%-AY
-C? A.'+-' A'@S + A.' + AD CD'- '?@A+ ,' @ -C+'
C . D,G'@S +'-C' >C +@' .C @Z @C-> Z A-+' , .B+'
-C'C@ C@ + @'H A-+' BC AU A.' C-?' B +' '+-, -?@'
-C'D >,+Z 8% '<(

SD-' ' $ ' .'U' 'L'K ' >E + A+ ," AD'
@>@C@'%-,,@ + -A'- '+B@' "@+@C-%,+@ Z-C' CC@.>, C'-' '+>C@Z'
@,'@S ? A@D'P'D@ C E@D' ,'S)W' ' 8 ..' !/'8;MPP(' '
S' 'PNZ ' AD' G->'B @' '.@A >' -C'+B@'?- +' -,D' AD'
@ @C@ +' - +'-' +>D @ ' ;MMO' . 7 . $, ';;'
'e'M OLP' AD'6J-A' @ @C@'@A I>CG' @' B ,,' C '+B@'.C@AD'
JC A J,@' B B'^@+ a' SMK') ! @' $ 'OLL' B- @'
B->C 'B)'+B->'+-' -E,@C'> @'@?))GD' AD' @ @C@'
/@, .B+' - ' C>+B' @A+-G D' Q>/>' < '?$;OQ C>+B'
@ @C@Z EG'5 CG'5 + -A'DC@ +' SK O' 8 .' $5 -$'
#' ;N' A'B +@'+-'I>+'+B@'JC- A @'-' @ @C@'C@ -A A.'
;KO;' ' U. $1!j0' !&' '&2) 'D G' J@A+' A' - ,
C@+C@?@A+' AD'@,@. A+'CD S + -A'-C-?' @ @C@C +>D@ , ;KL<
'CB ' ,& $. 7U' OKM ' ONL' 6AD@C'+B@'
-A+ A> ,'C@ +C A+'- ' @ @C@')--D' @A @' ;K)' +-' .
& - &!$' 'S Z ^"@a' 'B@,D' A'B .B'B-A->C'+-C'B ' @ @C@'
B-, C B J
$1 &! ;MKL'!- 3 '\')I'C' &!$)>' 'C& ' '
QM" JJG' B-'A'B ' @C @' A'.@A+,G' +@@C'5C-?'.C @'+-'
, .B+Z C-?'J@ A+') ' @ @C@'^#C.'$)'* $ $' '$)' W
$>J&' 1 ' $'' 'LKN 5-C?'D'EG'+BG' -A @C @'B JJ ,G'
+-' +@@C'5C-?'.C @'+-'.bGZ C-?', @,G'+-' @ @C@

EZ D' - ' +>D@A+Z +B AU@CZ@+

S -L' K %' " - ' "'P'EZ&@C DJ@A+ C@'+B@C@' ,'
E@' ->AD' A'+B@'A-' -A+@?A@D' C@ #CD@!' -'$G?@'? ++@C'
A-+' A +DA.'+B@ .C @ +' & >' @' AD' @>@C@!+' G@C' A'
+B 'U B.D-?@' ;QN)' ' &!! ,'K 3 C'8# " ! ('
O)' 3C'!? +B B 'E@@AZ ' @ @C@'!+>D@A+

M' A' C@ @C@A @ +-' G,@' -C' + +@Z ,+@C CG' -C
C+ + ' !B>AA A.'C@D>AD A @'-C'>A@ @A+ ,'-CA Y
?@A+'A-+' ,-C D' -C'@S>E@C A+' -E@CZ C@ +C A@DZ
> +@C@,G' ?J,@'-C'J, A')

SMM' . ' ,,$ %' + ' 8;K=K'L=;' -'@SJ@ +'+B +'
& @+G' AD @C+>@' @C@' E,@Z EG'+B@'C A + @' B C? Z -'
?> B'+-'@AD@ C'?G'DC@ Z '+-' A'+B@? @, @' D-C@C' A'
'J, AZ -C'@ @A' ' @ @C@'-A+' ;MQM) $ ' &,(
&C@+'8;)Q(E'L' C. ' AD' " -C @'+B@'@ @C@ +'7C +@C'-'
+, @' @ @C@ +' .@' ;K<L']) T' $;<NN 'MP'
> ,>Z B-' ?-C@' @ @C@Z AD' ?-C@' -CC@ +' SK -'
: ' "* &''.;'O;;' B +' A,@'+'-' @ @C@'? .A @A @'
!+--D' >,'E,- AZZ -C'+B@' -D' +-'@A+@C' A' $ &O B
$'* ' 'e'O='PM B@' -C?' -'+B@'+C @CG' @C@' +,,'
@ @C@' AD' J>C@' O/% ' $ ' $'' ,
7U '8O-BA(' PN @A' OC>??@,'+B@ C -J ' ? CU@D'
EG' +B@' @ @C@ +' ?J, +G' A' DC@ Z XKD-' B ' & '
C$ ' ' 4'S' LS<" @' ->,D'B @'E@@A'C@?@?E@C@D' '
-A@' -'+B@' @ @C@ +' - 'J A+@C ' $ >A' 'C $ &''
4ZF>@@A' + A ''?-C@' @ @C@'E>+'A-',@ '.C @ >,' - +>?@

+'E ' # ' , A.> .@' '%-A @Z +@C @Z A-+' C@D>AY
D A+' 1 $

SMK-') 'C %' >' '*'8;Q;M(;P' B@' + A'8 '?- +'
!@ @C@' AD'%-?J@AD-?' ->+))Z'

? ' # ?J@C -A ,' .@A @'-C' -AD + -A '&C@ Y
A.'B CD,GZ C .-C->D

2' # '+B@' @ +B@CZ@+ 2'% > A.'.C@ +'D -? -C+'
N;' A*>CG'+-', A.' E@ A. 'B CDZ C .-C->' @CG'
-,DZ @+' -C' +-C?G

;)QM A'40))' ' &--' JJ' 'LO -D'E,@ '
G->C'+ -'D@ C@' @@+'E E@' AD'U@@J'+B@?' C-?'+B@'B CJ'
-,D '-'+BE' @ @ C@' @ +B@C' $'$>+' 3 . $ "Q 3 C'
aMPKZ B 'E D'E@@A'+B@' @ @C@ +' A+@C'+B +' '? A' @'
E D'UA- A' A' A., AD' ;QMK' '9 .1 . & $!'
$%& 'OP:>A@Z 7@'B @'B D' -?@' @ @C@'C A'E>+'+B@'
@ -A' 'A- 'E@ >+ >' ;QQ='O ' &)' & ' BB '
;QP' B@'#CA +@' @CG' @ @C@' ;QKK'3 8 (A' %,
@+ '8;KKK(=ON' @CG' @ @C@' B- @C' A'+B@'A .B+' KS '
2'?&' $ 'P<'A' W@'+B@' C- +' 'A-+' -' @ @C@' '
+-' D@ +C-G' +B@ ,- @C ' S! D'F' = ('' '' A
.1 SS '8;KQK'=QQ' @)' @ @C@' @ +B@C ?@' SKe='
$ * >' $: A' ONL' B@G' ->,D' C@I>C@' , .B+,G'
@ @C@C -,D'+-' @ +'+B@?

E ' # ' C@' -C' " .B+' & A + ,,G' -C' @ C B A.,G' AY
+@A @' $

;)' 8 $ - '' &' & &'7U '8;<N=(OLO '+B +'
O--U': B- @,@ @' -'EC .B+'7 ,' @++'+B@' -C,D' A' @ @C@'
.B+Z . "'= . 'C(N(.'OQM #>C'+-C?@A+' ' , -'?)'A'
',@A.+B'- '+ ?@'O@ -?@'#>C' ,@?@A+ Z +B@ @'J@C A.'5 C@'
' -+' 'A- ' @ @C@Z K 'W" +2 ' % 5"'+B +'
, .B+' ' @ @C@'@S @'

N' # ' A' ++)', ' ,,A@ ' -C'D @ @' ++@AD@D'
+B' '? S ?>?' -'J A'-C'D +C@ Z -,@A+

! ' 'C " 'OMP' +' '+B@' G' +>C@'
B@C' @,'-+@A' + U@ Z A' -, A.'+B@' @ @C@C' 5@ @C Z SG +'
' .) 8 *)' A' &!' 8 3 +, AD'%,>E('OO=
B@'%)DA@'-'+B@'AA'B D'. @A'3 C'% ,D@C --D' ' @ @C@'
-,DZ ;KNL' " '! POO B@',& &*!))&' ' '? AG

@' @CG' @ @C@Z E>+' + ,'+-' @CG' @ ;KOL'9 8 .'A'
4 '8 KKX(K'LZ:' A ,,G'% >.B+' ' @ @C@' -,D' ;K<< E >'
" ' 'PNQ' A' @ @C@' @'^-'@ X@? a'+B@C@'? G'
E@' -?@'JC-DC-? ,'G?J+-?

K '#'J AZ > @C A.Z ,- Z -C'+B@',U@' C@ ->Z
@S+C@?@

$>&A'7 ' &''KN 3--DG'3 DA@ ', >.B A.' ,D' ?D'
!@ @C@ +' -@' 4QK[' 81 ') 'X-' " ' -,>A+ CG'J A Z
@ @C@' AD',-A.' ;Q<=' = ') . 66' " E$&!* &'
SSS ,Z B@' ,@A @'-' ' A ->C+ #JJC@ @D' ? ,G' +B'
@ @C@' AS @+G' SK-K' '- !'4 4 '4QL'!@ @C@' B--+ A.'
J A' A'+B@'B@ D' @C@' @,+' ;KLK- I ' = ' & '
'S '8;KP=(')O' B@',- ' A , +@D'-A'+B@' A A+CG' ' , -'
@ @C@' ;K== " ' "'9 . '? ' ' $' ::: ONN B@ C'
@SJ- >C@'E@G-AD' +B@'+C@A B@'+-'+B@' C@ -'+B@'.?C -A'
->,D'B @'E@@A' ++@AD@D' +B' + ,' @ @C@C ,- '-' , @'
OK=K ' & -' SSS 2!B@' + B@D'A @ ?)'
EG'+B@' ->AD@D', DZ B- @'J A' @C@' %CG' @ @C@')SK '
' * , $ & 'LN :>A@'KQ= O' B@C@'B 'E@@A' ' @ @C@' ,,'A'+B@'
,>@'-'+B@' B C@
$1 &! SO-')) ' " $' ?';=;' B@'.->+GZ E@ D@'
B A.'+-'+C>..,@' +B'@ @CG'+B A.'+B +'J B'B '-' @ @C@Z
C@'^@+ a

E ' FA , G A.' A' .@A+ > Z '$' 'E 0
4Q=K - 'V' ';;'7U ';Q<<':KN' '-DDZ+B +'+B@'
?@' > @'+B +' A C@ @'+B@' J -A' A' -A@'e@S' B->,D'
D@ +C-G' +' A'+B@'-+B@C'+B@'C@ -A' ' E- @'?G'C@ BZ E>+'
+B@' +' :' ?' ' @ @C@' +A@ ' - ' ;KML' - 8 'C&!
,&' ' ;KP' AD D> , '@A. .@D' A'+B@'+C D@'? .B+'E@'
@ @C@'-, @C

' # '@ @A+'-C' C >? + A @ Z, E->C'-C'@S@C @Z
' +C>..,@' -C' -A+@ +Z ' +@ +'+C ,Z@+ ' " CD' +-'
> + A'-C'@AD>C@'A) A.'.C@ +'D@? AD'-A'-A@''
J- @C'-C'C@ ->C @ ' CD>->

4QQ=' " &! 'PK # C Z +B@A'@A+@C@D' BC @Z
+B'+B@'9 A.'-' B B'B@'E D' ' @ @C@'@A ->A+@C' ;QK=
8 1 ' $.' 'LK<' B@'? A' @@,',@ +Z '?-C@'A>C'D'+B A'
B@' -' A+@CZ AD'+B@ >CC@A+'A'B '@ A '3 -C@'EC U,G'?- 'D'
EG'B ' @ @C@C+-, ' ;Q<K' - 'A'C$ 'C$*' ;K<M(
:'4;=' B 'D G' ?@+'A@ C'# UB /ZB @'B D' @CG' @ @C@'
D G' VKOM B' (< "' 'S 'O=' /@'O-@ ,@>C'
-A @'?-C@' +@D'?@Z +B->.B'B @ '+@C?' @C@'?- +' @ @C@'
;KOQ' ; A+C-D ZT 'B@'? +@C -'+B@'J U'
+ U@' ' @ @C@'@S@C 'B ' B JJ@C A' ;KLK
$1 ;' S '8OKP=(::'OON BE' + -A' ' -A@'-'
+B@' @ @C@ +' B B'- >C)' A'+B@ @' C SKM-') .'
<!$, 'SS 'L=Q A' +B@' -,,- A.'@SJ) ?@A' +B@' @'
>E*@ +@D'+-' ' +,,' @ @C@C'+@ +' ;KMQ' ' ! ' - 0
S ' 8XKKM(O==' B@'J @' ' '+--' @ @C@Z ADZ ,+B->.B'
C>AA A.' -AD@C>,,G'B@' 7 '-E, .@D'+-' . @' G'+-'+B@'
E-C @ ' SKK-'% ' (8 ' &E' 'LOL'6 A Y
@C +@' B@C@'+BE'@, E-C +@'+C A A.' '+@ +)'EG' -?Y
J@++ @'@S ? A + -A'-'+B@' @ @C@ +', AD

E ' # ' ' >C @' !B CJZ B CD'+-'T'A@.-+ +@'
OK<Q $!"' 2 'S'!@J+'L'C B ' ' .C A' @CG'D >,+'
J @ @' -'C>AA A.' B@C@' C@' @ @C@' >C @' +'!?@+B U'
AD' +' 7-C @ +@C'5-C@. +@

3' $) 8!@@'I>-+';KMQ(
$ J+' ' 'V' ' 2 ''S ' O@, G' ,'+B +'+ U@' '
'+>CAZ AD' D-A +' -?@'>J' A' A B' OKMQ
$!& ' & L.O' % @ @ +> , ' Z ' @ @C@'+>CA' A'
E@, G A.' 'C-J@

,&! & 8 B @,G' 0 0+' ' .>@' @J +B@+'
D@A-+ A.' >J@C, + @'I> , +G' @CG'E .'-C'J- @C >,'
B CD'+-'E@ +

;KL=' :' ' .'V '),.''' '<1->C' B U@G'E' '.--D'
G->C' C@Z AD' +B +' G A.' '.C@ +'D@ ,Z+-C G->' C@'+B@'
@ @C@ +'-,D'E@ @C'+-'+--+@ -)'+B +' '@' @@A' -C'? AG'
'-,A.'D G' 4K=Q 'CB ' ' !) ''7U ';K<N
4,,' ON<'& ' B@ @' AD@ Z A':-A +B A' JBC @Z C@
' @ @C@'C A.@'-'B6E' $ %&' ' $' &'<' $' 'OP'
B@' B-,@'*)C+G' CC @DZ I>+@'C@ DG' -C' ' @ @C@'+@B''
;KK<'%'/'9 ' A' $ * >' $: A' OQN ; ' @,, '
UA- A' B C +@C' A'+B@'?->A+ A Z B-'B 'U,,@D'+ @A+G'
-A@'?@A "@'E' ,,@DZ A'+B@', A.> .@'-'+B@' ->A+CG'
^9@A+> UGaZ ' @ @C@'?A

/' J+B@+'- ' ' ? ,,' A U@Z &!)1 ') 0
L A' 8' <'N&& ' " ' =O;' !@ @C@' A U@' &!)1
) 0
'D)$P)$ T' 3 .
$/OO (' ' '')%'ON -+' AG'7B@C@'+B@' -CD'
@>@C@C' JC + @DZ+B@'JC@ B@C'C@>@C@A+, @C'-E @C>@D' AD'
B-A->C@D' ;MPL' = ' ' '; B@ -CD' B , ' -
+B@?Z+B@A' @ @C@'!J@ U'+-'+B@?' A'BE' C +BZ L I' 1 '
" ' '==M -'E, ?@' @ @C@'B ' B- @

3 /-E ' -C?'-' 3 '
3 '8 @ D(Z**!0'$0 ^ ' 3; ' 'N'")Q V'
A' @A @'-'+B@' @CE
S KS' ' 8 .' +6*Z B@A' @ B@' ' @>@CD@'J@@ @'
D-+B' J-G,@' 7 B B', +@' -A -GAD@ZA-' -C @' ->,D' -G,@'
;PKK' 'B7' %& ' ';;' ' [NQ " - ' , -@'@'+B@'
@>@C@D' U AA@ A +@' . A@' SM-M ' ' ' ('! '
S, ' ;QN #>C' @>@C'D' > @'+--' " >@'UA +' . A@' SM S
)S' ' ('8;MOM(M' & C+'- 'B ' @>@C'D' C @'
D@ D' 6CA' B@ E-G,@ ' ;KL=' = . ' & -)'N_]' " - ' +-'
C@. A' ?G' @ @C'D' -?J AGZ $'A%J[' & % '
= $ "'8;MPM( ]& 7@' ?> +'A-+'+B AU' -'+B@' @AC -A' -'
%BC +' ' " ' @ @C@D'+BA). C-+'' '> ';KS='9)[8' 5,) 0
:$]M U@Z C>AA A.'C @CZ + U@'+B @',- U'-'?A@' B '
@ @C@D'B C' ;KLQ (:::' ' Z B@'@S@ >Y
+-A@C' , +@D' +B@' @ @C@D' B@ D' L %+') .' <!&, '
SS ,LPO 7@'B @Z A'+B@' @'- ' @Z+B@' +> ,'C@.@, + -A'
- '+B@' @ @C@D' >C @

"@A @'!@) @C@D,G',) ($ UH
;MN ' ' $' (A' ' '*'LP O>+'B@-' ''?> +'
. >@' C- A. ',+B +'+E@@'D-A@'D +A A.' AD' @>@C@D,G'' ''
3 @@ S
!@ @C@,G'8 *6(Z$ ^ ' 3 ' N"!'o2a
; ' 7 +B'C .->C'-C'@S+C@?@'+C +A@ ' A'+B@'+C@ +Z
?@A+' - ' - #AD@C ' +B' @ @C +G' A'*>D.@?@A+Z
J>A B?@A+Z @A AC@'-C'C@E>,+@
' $G ' (* ((&5&$!"(@>@C@,G' 1 0"
) (0,) "(@>@C@,G' ;PQL' ' 8 7 ' *!"'
>' ' 2 LQ B@'+C A .C@ G-A'-'+B@', @' A'+B@

+G?@'-'+B@'.- J@,,'->.B+@'C +B@C'+-'E@' @>@C@,G@C'J>AG B@D'
+B@A'+B@G' @C@' AD@C'+B@ &@' , @' ;P<;' ' < ' 0
' - @ ' @'U@J+' @>@C@,G' C-'?'C@ -C+' -'?@A' OM=Q
) ' 1(;' 'Q= #, C@X' B D' E@@A' B@ CD' +-'
@A+C@' @CG' @ @C@,G'+B@'D>U@' Z A+ -'C@ J@ +'+- CD'
+B@'&C A @' S+@W 'C ' 'PM= O@'?@C >,,G'
:> +Z @ @C@,G'9 AD' OQ;O . ' * , ' =L;'J'O 3'G'
3 +@C'C@ @ @D'#CD@C'@ @CG'&-'+'+-'> @'?@')CG' @ @C@,G'
;QP<' 'B ' ' ' ':' 3 CG' 'LPM G,-CZ '
@CG' @ @C@,G'B AD,@DZ AD' ' -,@A+,G'+BC> +'->+' -'+B@'
B-> @Z SK)' = B. F ' ' S' " 'ONN#'.@.E, +-A'
> B' '+B '+'' ?J- E,@'+-')U'+-' @ @C@,G' SK)'
' (' 'N SOX' B@'+C@ +G'-'4QN< @ @)aG'@ A Y
>C@D' '+--' ->C E,@'+-'+B@'/>+ B

E ' 7 +B' @ M?',--U'-C'D@?@ A->C
OPMP'%--& +' $)) ' 5))!)) 0&',--U'B-'
?-C@' @>@C@,G' ;K<Q) ' ' 'QQ<'7B- @' :
+B' C-A' @@+B' D @?,G'.C A' [Q Q7'9. ' * & $
' OOP'!@ @C@'+B@' ? A. Z+B>'+B@'B@C-'J-U@' S)'7'7'
I' $'E , ' ' -&' "3,&' '8O<NM(OOL' B@' C@Z
B-'B D' E@@A' ,@ A A.'E U' A'+B@' +@?' +B' @ @C@,G'
?J-C+ A' Z
- ' 7 +B' C .->C'-C' +C +A@ ' A'@S ? A A.Z C@Y
A.Z -C'+B@', U@

$%%+' # ' & "' &- -)'+'e'L' ;=;' "@C@'
+B@C@ -C@' +' -A @CA '>'+-'@S ? A@'/>C' @, @' +C +,G'?D'
@ @C@,GZ ' ;QNN 3 . M' :>,G';KQ)Z &C' ,-GD 2
+B' /C' O>CA@+Z B-'B D' @ @C@,G'@S ?'A'D'B ?Z +F@'
G' +EA B'D' ;KO;' ' !$' ' !? ' , " '
B-> @U@@J A.' ' @ @C@,G' ,--U@D' +@CZ E>+'B@'U@J+'B@'
+ E '- ' .@A+,@? AZ $!"' 2 '9 3 G)'9 #" @
C-+@'E@ +Z ' ?- +'5C@A B?@A'D-Z A'+B@'?-CA A.Z AD'
-AC% +@D'?> B',@ ' @)C@,G'+B A' +-C'">.-
D' &'!$ ' -C' !"'$!&' 'M+-' - D' - '
@+' J>CJ- @' +-' J>C >@' ' D@+E@C +@' J-,+G' -'
.A-C A.'-C' -, +A.

L .'M)';<'!@J+Z A'$ 'O'# OC @A' % '8;K<K('
OLQ1->'?> +' B- 'B ? EG',@ A.'B ?' @ @C@,G' ,-A@Z EG'
J>++A.'B ?' A -' '?-C ,'%- @A+CGZ GD>C'D@+@ + + -A' -'+B@'
C ?@'B@'B ' -?? ++@D' KKK' ' 'ON :>A@'P'8% (Z'
IA.UAD ADB@C A+ C@+-E@ @ C@,G',@+' ,-A@2
)1 # +'OQM " @'I>@ +-A' 'C@. CD@D' ' I> +@'
A -,>E,@' AD' @ @C@,G',@ +' ,-A@

/' 7 +B'C .->C'-C' +C +>@ ' >'-A@''- A'JC + @'
-C' -AD> +' C . D,GZ A ,@S E G

;M=<' :' " ' & &'' &'C$ (LK " , @' ', @'A@@D' +-'E@'
@ @C@,G' J@A+' A',@ CA A.'+B@A)' ;QNL'$- '*$ 'C' '
'$' +B'D@ D,G' ?JC@ + -A' -A'>C@' !@,Z!B@' - 'D'
@ @C@,G' A@'@C'+-' @@'?@'?-C@' 4Q K 1 ' 'S 'LM'
!@ @C@,G' B +@' &@@A@,-J@'C@? A ' SKWX 'V ' !2
SS Z 3 G' @C'E' +@?' AD' +C +' A'B '+@?J@CZ AD' @ @C@,G'
+C>@' +-'B '+C> +' ;KQL' 3 ' ,?- /' ' & -$' ,,'Q<'
O B-J'O>+,@CZ A'.@A@C ,'+B@'?- +' 5C@A@,G'@S ' C+@C'
;KK< $ ' M' JC' =SP ;' B->.B'+B@G' @C@' @ @C@,G'
-C+B-D-S

' 7 +B' > +@C@'J, AA@ '-C' ?J, +G' -' +G,@'
-C'+ +@

$%J/"/% 8 . $ ')'7U ';<NP:'LLQ'#A''E@ D'
A'B@,?'- ' @,, C->.B+'EC 'E'J, @D' B@'+-J' +B' CY
,U@'&,>?@' @ @C@,G'.C @'D' SK) B $-* '
e'4 'Q<'!@ @C@,G'C@ +, A@ C -C?' @C@' - +@D' +B'+B@'
>C @D' -A@' A' +B@' -CA @' ;KQK'3)) ' C '
' , ' OLP' &-. C+Z !@ @C@,G'J A+@D' D CU@ +' -, @'
5 N $%* $ 3 C'PO=O B@'AC@ J, @ ' C@ @' -C@,G'
J,?

!'& A >,,GZ .C @ -> ,G' A' ' ? AA@CZ -C'+-' '
D@.C@@Z+B +' '? +C@ A.'-C'B CD'+-'E@ C
S)' ' 8 . ' & +'S'8;QSM(M=' B '+B@'
,,@A' A.@,' @ @C@,G'>AD@C + ADZ 'AD'?#C@' ,' +@,G'@@,'
+B@' -A+C CG' + +@'-' " @,' SKKQ' 3 .'+C' '&%'
$ -,;Q=" @'C@ @ @D'+B@'.C@ +' AD' ? ,,'!B-+'-'-A@'
B , '-'+B@' >CUEB'5,@@+Z B ?'B@'? ,@D' @ @C@,G' 4Q44
8 6 ' & ' !! '7 U ';K=;: =;= H'7 @' B ?@>,G'
J? JJ,@D'^->C' +C@A.+Ba '+-'@ @ +'^@AD aZ B B' +@C' '
J@ @' @'? G' @ @C@,G'C@J@A+' QQK 3 B !'$'
SS Z 'A- '?-+' @ @C@,G' @,+':+B@ -,,G'-'?G'J, A' ;KNQ
9 . 'A'&U@' &) ' 8SK -(;;' JJ'OP B@'
A .B+'7 ' @ @C@,G' -,D' WKMS' < ' =K
+@C'+B ' @@E,@'D@,> @'+B Z+B@' ,@A @' @+' A' ' @ @C@,G'
'E@ -C@' SK)' ! ' 1) '8;KKM(;NQ B@'
J, .>@'-'E-,'EC-U@'->+Z AD'@ @CG'JA@ ' ++ U@D'?-C@'
-C ,@ ' @ @C@,G' SKKW $' , 5$- ;M'3 G'K ;' B@'
@S+C@?@,G' -,D'A .B+ +@,,' @CG' @ @C@,G' -A' +B@,D@C,G'
?@?E@C'-')@'"->@ ' 5N = ' 7. ' % ,$'
[O' B@'? A.C-@ ' ?J + AU @ @C@,G

. ',&!!&D -' ' .C@ +' -C'@S @ ' @'D@.C@@Z 'A-+'
@,G'E>+'+--' @,' 8% ' 3 '$ (
$ /&'9 ' = 3 .. '< ' $!'?&)', 'S Z B +' - @C'
B 'D?@D'' @ @C@,G''Z 'B@' ,,'+Z AD'E ,*.B+,G'A@EC +@D'
!@ @C@ @!! ' - ' $ 8! K! L' !@ @C +G
$/>O" +'('C!)$, 'C &,&''8;P<N'Q<O' B ' >,+'-'
@>@C@A@' ' A'% +-'+B@G->A.@C' ;P<Q;' ' -'C$)'
& 'LQ 7@'D->E+'B@' ,,'@S@ >+@' +' 7 +B' @>@C@A@' Z
SMX-' 1 'C) &3 $ " 5' B@ @C+ A@+GZ @>@C@A@'
AD',@A.+B'-'&>C. +-CG' 4MMQ " ' = ' ' $!'SS'
8;Q)L(=QM B +'!@)A@ ' AD' > +@C +G'-E @C E,@'A'+B@'
O J+E+' $%>J' 1.'E' 'C & 'ON' B@'!@G@C@A@'
AD' C +G'-'+B@'^!J A Ba' + -A

!@ @C C'8@ -C-('$ ^' 3 ' E O$2a'
#A@' B-' @ @C'-C' @J C +@
U%' ' & - ') 6$')$' ' ! (h8#' B@' @ @C@C
@J C +@+B' 8 @ @C@+E(+B@' +-AG' ,+B'+B@' B@C' B@+B'
+B@'+B A. '+B+,' @J C +@+B@' SK)' A' $ ' 'd",!

3 2' @@!0 0$+

!@ @C A'8 -C A(' 0 ' ' ' %4*!+'
Z+B@'A ?@')'8 @@'E@,- (i' " #
' '?@?E@C'- ' A' A C ++@'-C' A- + ' @'+'- '
+B@'OAD' @A+>CG' B B' -AD@?A@D'? CC .@Z@+
' +'? G'C@ -A E,G'E@'D->E+@D' B@+B@C'+B@@C)G'
A' A C + +@'+@ B@C'A ?@D'!@ @C> Z-C' B@+B@C @ +'DD'
A-+'?@C@,G' .@+'+B@' + A' A ?@' - '!@ @C A' C-?' +B@'
> +@C +G'-'+B@'C'C>,@'-' ,@'4 - > ' ?@ 0+0
L ' 'S8' '8;MLL(LN#'+B@'-C?@C' -C+'
^'+B-@' B-'C@*@ +@D'+B@'E--U'-'+B@'#' a' @C@'+B@'
!@>@C A 2 ID' +B@'3 A B@''OMPM . B

$% T/$' -C+' - ' " @C@+ U '+E)' -AD@?+@D' ? CC .@Z E + A@D' C-?'@ +A.' ,@B' AD' DC AU A.' A@Z \ ' ;QN')' (('8;Q;N(PNN B@'!@ @C A ' B-'C@*@ +@D' +B@' J +,@'-'!+'& >,' AD'+B@' +'-'+B@' J- +,@ ;KKQ ' A'!?+B'\' 7 @' (0'?&0 'MLL ;' '@+ -'!@ @C A' 'D@ C E@D'EG' J-B A > '4 $ 0=P(B B' @S @J+'+B@' @ +>C@'-' A C + ?'6(= ,++,@'A' -??-A' +B' +B@' @ +'D@ C E@D'E)' > @E >

; ' ' ?7447W-0' 7?' -)-0E=' *6-' 7 7L6+=*-' L(*0 (0D6'7?' * 7D6' ,-(04+' *6'D /

'$%!' - ' ' ' $' 'C0'0Q0'!@ @C>'0 B-J'-' A++-@E 'Z C-?' B-?'+B@G' @C@'D@A-?A +@D'!@ @C A ' $>%/'= . '+C' &)'>' ,,!0' 0'%@A+' 'e'P' ;KQK&' 0'% A% S 'eM2LMK''&E"' B@'!@ @C A' B@,D'+B +'+B@'E-DG'-'%BC +'E)-C@'+B@'C@ >CC@ + -A' ?-C+,' AD' -CC>J+E,@' SKKbnL' 66' ' ",!(' !0'V'&2!0 '4;LQ B@' .GJ+)'3-A-JBG +@' ,,@D'+B@? @,@ ' B@-D- A Z -C'!@ @C A '

3 ' '70' .

;QSK'#' 1' ' ,,('A'P;' B@'!@ @C A' !@'+'8A'+B@'1@ C'PO;(+--U'+' ?@'C-?'!@ @C>'

-)-0 KX $'73=')(0(*'7?' 1 8C '

-)-0 K@',=-2)(0K/' " 4' ' 0 (' 6-' (D*7 '7?'*6-')-03' 1 'U'(' =*(D-'7?'*6=

;LK ' 7 5' $0' ';Q'5C-'+B@'D)@ '-'+B@' @>@ GA.'-' C G?' C-':>D ' ;PLL' .) (0%")5(8! ! (' P<' -C@' @>@C A.' 0'0 G @C A.'-' :VCZ CISG ' 4QS')) ' * 0' - 'L=<5'Q' B@' @ @C A.'-'B '"@ D' C-?' E '0-DG' ;KNP'9) 8'C !) ' 'O); A'?@?-CG'-'+B@' C@ @,,' -'+B + '+?@Z /-?@+ '!@ @C A.' ');K)']' " -' ' $! "';<0 AD' #Z G@' 5->A+ >A)' 3@ D- " ,, Z AD' C- @Z5-C@E-D@'A-+'AG' @ @C A.'-'->C',- @ '

*'3 ',&' , ('<)=7 @'L(0'*7 '=-L(0(*-<'L(0*'

,'c]RR 3 '?&'$ ' 0 (S '8;<NQ(KL' B@'B D'B-' .C@+@'B->'E>+' ',+@,'A+B@' B B@'+B@'B DD@'+BC@' @>@C' GA.@ ' ' +' @C@'+BC@' ? ,@' B ?EC@'+B@C@' J@ ,,G +-' JC G@' AD'+-' ,@J@

>)-0 EK' .. ^' ' 7 C'; G' 6(*'=-)-0=

S J' ' ' @ U@'' / ' ' K -U@'4)>@' B +' @A> -> ' +C@ U@'/-' , @'+B@' @>@C A.' %,->D@' A'G-AD@C' +Z $';MLP'! OO !' &'8 0' ' ' $"8;MPF'<0' B +' J C+'- ' -D ' ' @ @C A.' J C+' ;Q<L'9) 8' ' ,' .0 L;N B)' A >J@C E,@' C- U' AD' @ @C A.'+D@' ;KLW : ' " ' (8 'A' " $' *& & '8;K<;(O;Q B->' BC AU@+' A- '5C-?'>C.@A+'C>,@Z AD @ @C A.' -' SKKK =) ' % & ' ' $"'&-@?';K<K 'O)K A'+B ' BC ,'B> B' -'I>@+>D@' B@'@ C -A @ @D' ' @ @AA.' CG

- D-' -> -0 EK4+' "

$';L<N' 7 5' $0 :@C-?@''&C-,Z AD' - '@>@C'?+B@C' C@ '?@Z A- '+-.D@C@Z A-' '@>@C@AD@,G'^ >,.' ' ') ' ,&-3' - - ' ')',' *$ $ -H'B@'-CD@GA@D@'+B@'JC-@ @'

-)-.0 =3 ' ' '7d !' 71-W6(*'=-)-0-'

L LO'?!$, 0' $ 0 'PMM #A@'D-A+' +'!> B'+C ,A.' D-..C@,' +C A' +B'@G@' @ @C B' X)L' :' 8' ' 8;<NQ('PK' $> @,' ' @ @C BZ E>+'*> + A

*' -) - 0 *- ' 0Z' *6-' (1-' ' ,=-' 2' 1 +Q' 1 Ub G']' 1 ' ' (<' ;

$%+>' ' 7 I' 0' '8;MLL(;L' B@'!@>@C,+@ B-' C?@D'+B@'D > A + @' AD'B>?A' -'%BC +Z +-'E@'-'-A@' AD'+B@' ?@'A +>C@' 1 0 'LL'#+B@C Z -' ,'-+B@C'E--U@' C@ @ +@D' +B@' D' + Z '+B@' 3 A B @ Z AD'+B@'!@>@ +@ ' ;QSM' 3' 3' . '0'? 0' ')K= B@' >+G B A b' @ +-C A)' J-,6A C +Z AD'+B@'!@ @C+'-C' @JE , A'

-)- *-@' ,=-W(0<*/' 0 (1-<' ?071' K ' , (<-=' 0(D-/' Q' ?@' > " ' '=+ 7 +1'7?' T

;KOL' 7' .1' ' & '0'8@D'L(KQ'!@ @C+@ - >C' A' ? ,' ? @'^@+ a' ;KP=' " 0' '0'8@D'=(' ' PN='!@'@C+@Z' C @+G'- 'B ,,-G +@

-)- *+' ,=Y - */' 0(' ' (<' > " '?' " +'8=--' 1 ' (<' Z@ *' . ' L' " '%K' "

: '!+C +A@ '-C' +@CAA@ ' A'D@ ,A.' +B'-+B@C ' +@?'-C'C .-C->' D J- +-A'-C'E@B ->C'C .->C' A'+C@ +?@A+Z'D J,A@)'J>A B?@A+Z'-C'+B@',U@' Z7- ! 1'A' ,,'#?.' '!@C' ' '\S1->C'?-+' @S @,,@A+'A +>C@' G'B'B +B'@ @C E@'?- @D' A 'JC-J@A GD' +-' ,@?@A G' AD' ?@C G'+B@A'+-'CG.-C' AD' @ @CG+@' S))' (C$*' ' '0' !!!"' 'PN' 7B@C' '@ @C 6@' '+-'B@' > @D')@A +'+B@' A E J+,+@\' ;PKO' 0' 0'8$E@? (&-0 4'OO'!@@'+B@A'+B@'.--DA@' AD'+B@' @>@C+@'-' -D' S)+' ' ' '0' 0'A' '=Q0' ,>.B'+-' @)->C' DG B J' -'-ADZ -'+B AU@'+B +'G->'B >@'->.B'E>+' ,E-+' B D- Z 7B@C@-A'+-'JC + @'G->C' @>@C+@'SM' '0'5 Z OLP' '-C'+B@'!@>@C+@' @D' J-A'+B- @' B B' @C@'+U@A' A'9@A+Z +' 'E>+' J-A'!'>??@'-'&@-J,@' SMK-' ' C 0' '?*0' ';NNN 'OL;' B@' ?J@C-C B-' -A' D@?A@D'B ?'B D' ',++@'C@ -A' 'A-+B@C'?'A'+-'J>A B' +B +' >,+' +B' -'?> B' @ @C+G' ;QLZ' 'B 'C&! 0' 0' 4'8@D'O(ONL)' S @ @' @ @C G'A'+B@', ' ' J+'+-'E)@+' .C@ +'C@, S +-A'A'+B@C'@S@ >+-A' ;KLK' .8 ..' S, ' ' ;QK' " 'C@.>,+-A ' @C@ @A-C @D' +B' A ,@S E,@' @ @C +G' ;KPM' ' ' ' 5*!&0 'SSS '==LZ :'B @' +-'.> CD' +' @A+,+DB' +B' ,'+B@' @ @C+G'+B + ->,D'E@ +' '>C. ' CD' ;KMK' ')8)' $! ' ' ' ' '=.' A' ,,> +C ->'J-@+' J-,-. @'-C'+'^+B@'? C@a' ' A' +'- ' >A - D E,@' @ @C +G'

3 ' '(D*'70' =*(D-'7?'=-)-0*+

4PLK' ' '!$' ';ON ',GU@' @>@CG+@' ' A'+B@' J>AAG @E?@A+'-'+C@ -A' OMK<' B .'? %V !0'm;KPQ(;M;L' B@' @ @C+G@'+- CD'+B@'JC-+@ + A+' @C@' -A+ A>@D' $'4Q;P' B ' 2' -'8;QMM(':'ON;' B +' -' ' -,->C' ? .B+'E@'J>+'-A' +B@C' @ @C,+@') A'+'> B' 'B->,D'C@>@' +' bOM' 3. 66 'C$ &' ' B@C@'' '/, @C+-'@'E@+ @@A' A' ,@ + ,'%@A >C@Z)' A' ,@E+ - ,'!@ @)G' 5-C'>AD@C'+B@' JJ@,,+-A'-' '%@A >C@' @'-A,G'A ,>@' S -??>A +-AZ'!> J@A -AZ AD' A'A+@CD +'>AD@C' +B@'/@A-?A +-A'-' A' ,@ D ,'!@ @C+GZ@ @CG'-+B@C' &>A B?@A+'-'+B@'%B>C B' 'A+@AD@D O>+' -CD A.'+-' -?@Z '%@A >C@' AD' '!@ @C+G' +B@' >A@' B A@'' L L' - '? . !"' ';<' B@' @ @C+@'-'4GC@JAA@ -E, .)' 3 -,GA@>S'+-'OG'+-' A., AD

D>' (@6 -=='7?'ME<K-1- *'D0*D=1'70'0-3EJ-' 4=7@Y '=-)-0-'0-3EJ-='70'D0*D=1=

;MMN' 5' o '+C[@& '= O' B) M' -?@' @ @C+@'C-?'?G'?-+B@C-A'+B '- -A' SMMW . ,$ (B!0 J'/@D Z B@' /@ ->+ ,'E@' C>J>,->'+-' E@'?-C@'!@ @C@'+-'+B@ @& J@C Z+B A''&@C -A' A' B-?'*'>J-A' +B@' -C@'-'B@C' - A'!+G,@Z!@ @C+G' @C@'?-C@'*>+ E,@' +B A' A'?-+'$@ D@C' ;QSL' ' ' ! -0 -')-'LOM2 ' B->,D' E@' @CG',-+B'+-' @@'G->' ,' +B'+-'J C+ >, C' ' @ @C +G'>J-A'+B@' CC-C' 6: ' $ ' 'SG-' ' E>+' '?-C+ G A.'-C+-U@'#'>AD@ .A D' @ @C+GZ+B + ,A D' '#A'B>? A'.C AD@>C' AD'+B@' ->C+'-'U A.' ' ;KP<' K Vd"' 0') 0'8;KQ<(' 4QM 7@' B->,D'+B AU' +'>A @@?,G'+-' C+ @'+B@' -CUZ +B'@S+C@?@' @ @C+G' ;KQ;'$' (($)!!) ' '0'!->C' @ @C+GZ+-A.>@'-'@,D'? ,)+A. $''7 ' B '?$,&"'' 'O0 -A'B 'E@@A'*>D.@D' +B'

?@C ,@ ' @ @C+G

D '!+@CAA@ '- ' J@ +'-C' ->A+@A A @' ' @ @C@'

,--U'-C'@SJC@ -A

4Q;;')) ' * 0 ';MN5;; :'+B AUZ G'+B@' >+B-C2 'A@ @C' ' '.C@ +@C'!@ @C+G'+B A'A'+B '3 A''5 @' ;QQN 7 'C!) $, 0'!&- ' ' 4QQ A'+B@' ->C+Z B@C@Z +B' ' ,@A+' @ @C+G'- ' J@ +Z B@'-E @C @D' ,'+B +'J @D' ;QKO = ' B 3' ,!$' ' Z "- ' ,'B 'A-E,@Z?-+B@C D D A'?@ 'B- ' C>@,,G' B ,' ' AU E@ -C@'+B@' @ @C+G'- ' B@C'@G@*' ;KOK' :'7 ' ' $ "'O;' JCZ^!C': a'3 --C@'' ->A+@A A @' >?@D' .C@ +' @ @C+G

M' $' %0 ' A'C@ @C@A @'+-'B AD,A.' -C'D@ ,A.'

+B' A A ? +@'-E*@ +

;KQK ':'= ((' ' ' ' ' ;SO B->.B'A-+'J,G A.' +B' -'?> B' @ @C+G' ' -?@'-+B@C Z B@'G@+' A' >+'+B@' E ,' E ' +-'? U@' AD' A' B-C+'D @'-A'+B@' ,--C' +B' -?@' @C+ A+G' ;K<K' 7 '7'J ' $' ' 0'< " C$ &'8;<NM(O;<' 3C' AA@++Z +B' ' ? ,'UA @'D>.' +B' ?> B' @ @C+G' AD' D@+@C? A + -A' 'B CD@A@D'J,>.' C-?'+B@' E- ,'^-'B 'J J@a

/ '!+C +A@ '-C' > +@C+G'- ', @Z'?-C , Z@+);=K;' ' !'&'' !' '8% S+-A'('.'*8$ (Z!@>@C+G' -A+?> A @ AD'J@C @>@C A @'-'--A'? A@C'-',G>GA.' ' @,@'A'+B@'+EGA.G' +B A' 'A'+B@G?' +B->+@' S)W' 1 ' $))' ') 0 @'J @D' A'.C@ +'@>@C+@' AD'.C > +@'$>/I' .' ?'C) '8 CE(;QK 7@' ->,D' +B' ?-C@' @>@A+@'D C@ +'+B@' @I>D@'-' ->C' ,@Z -C'+B@' @ C@'-'JC@ @A+'D B@' $/OA' 'C& - 0 =')' !0' ' 'OOP @0 >+G'+@C +@' XMK-') 'C %0' ' CL' '4<NN 'OLN ' +C>@Z+B@G'^# D' ,@.@Z@+ a' C@'A-+'+-'E@)@S >@D' A'+B@' @ @C+G-' '? AA@C' $>I' 8' &) ' 0'S > '8QLLV LO<'!> B' @ @C+G' 'E@B ->CZ > B' E + A@A @'^@+ a' $>&$' =)). ' ' &' 'KPM "@' @ +@D'+B@' @ @C+G'-' +B@' !+- ' c&R< A' 7@ + -++' % '?*0' ,'!0'OL :'B D' @ @C'E@-C@'?@' E +'; ?G' ,'+B@' @ @C+G'- 'B '@S ?J,@Z

E'*0

;MQL' $ ' $!! ' '5'S-'K B-'+B@ @' C + @ @C+@' @C@' --A',- +'A'+B@' > @ @'-'+B +'?JC@')4Q<Q= ' L33 ' $!$'')'#Z ,,@A'',@+'+B@' @ @C+@'-'>' +-'?'G@,D'+-'+B@' @ >C+G'-'?'G'B JJ A@ 'OKOM ' !$' !@C' $ ' ' B@'+C +>,' @ @C+@'-' ' ' >A@C ,' ;K<N '$' .) 8)'K &!0 %& - '8S)('O<;' B@'-CD A CG' JC>D@A @'AD' @ @C+@'-+%-A @A@

'!+C +A@ ' ' ? ++@C'-'+B->.B+'-C' A+@,,@ +' C. D' >C G'-C'@S +A@ '>AD@ +A.'-A -C?+G' +-'+C>+B'-C' +' , -'*E' A + A @'-'+B SM)'#B B'C '0' ' 'QL' B@A'+B@' C+ +'+B@?' @, @Z+B@' @ @C+@' AD' A+@.C+@'- B- @'>D.@?@A+' -+@A' @ U@A@D'EG'+B@',- @'-'+B@C'- B@' AD'+B@'D ,U@'- -+B@C'?@A' -CU@ ' ;MQM ' 'C -0 ' 0 $ 0':OQ ' -C+'- '3@A'+B +' JC@+@AD'+-' ?>B' @ @A+G'-'7 +Z AD' ->D'E@'+B->.B'+B@' @'+-'E@' ?J-A'EG%)>,+G' S)L') 0 $ ' '4<NN 'O=Z:'?G' G' +Z +B' ,,'+B@' @ @C+G'- '+C>+BZ+B + @C+G ,A@'-'G->C' ' JC@ ->' ;QN;' B ' ' -1' $T' -1!"'7U ' ;KL=' '=QQ B@'JC- @ '-'C@ -AA. ,,@D' @ '$'S13) -0 'B B'@ @A'+B@' @ @C+G'- '.@-?)CGD-@'A+'C@*@ +' 5 '?) .>' .0 'A+C-D' ' ' .>@A@ ' AD',-E @A@ ' ' A.> .@'I>+@ A -A'+B@ C' +B'JC@) -A'- '+B@'JC- +' AD'>++@C,G' A -A +@A+' +B'+B@' @ @C+G'- 'JB,,--)G' K <' 'CB ' " ' $ ' '7U ';KK<' ,'4<=' B'-C'+B@A U@D' @ @C+@'-' @A @(' "B'+-+ ,'E @A @' C-?' ,'D J, G'-'@A+B>' ?' ;KM=' ' ' & ' A' ' ' 'A0 0::.'O2:'B @'E>+'-A@', '-'%-AD>+ A' C+ ?' B B' '+-'*>D.@ AC+B@C' +B' AD>,.@A @'A-C' JC@*>D @D'B C BA@ Z E>+ +B' @ @C+G'8A'+'+C>@' @A @(++A.' ,+@ ' AD'D@@+' +B')>' ,'-C @

!' > +@C@' J>C+G'-C' ?J, +G'- ' +G,@Z+ +@Z@+' ;QN<'- (!$,'8;Q;K('K%-A D@C A.'+B@'/ Y D A+ .@'-'+B@' A.> .@Z AD'+B@'!@ @C+G'-'+B@'$-? A' 3>@Z +B@'&-@?' ' +,,'?-C@'7-AD@C>,' ;QMK K' (2' <&& '0 $'' ' !Z B@' @ @C+G'-' 5C@A B + +@ ' E C(' ' '8SK)(: 4PL' --U'+'+B-,D'B->AD ' --U +'+B@' @ @C+GZD@, GZ ,B+A@ '-'@)' >C @' ;KP< J ' '? ' $'"' 'LM B@'?-D@+'@ @C '-'C @'OC@+-A' DC@ ' ;KKL' 0'!!!) 0' $ 0 '<NO B +'!@ @C+G'- ' +C@ +?@A+'-A' B B'+B@'> @ '-'C-A -CU'.C@ +,GD@J@AD ' M'$.->C' C ,@?@A-G'8- ' @ +B@C'-C' , ? +@(' @ J'@S+C@?' +G'- ' -,D $' ' ('C -0 0 $'0;;'S'O;N B@' @ @C+G'- ' +B@' A+@C' ADW +B@?'^*' A @ + -'>+' AD'D@ +C-G'+B@?' ;Q<=' ' 0'< & 0'SC' 7 A+@C' -A+A>@' 'B' > B' @ @C+G'%,&-' /@ @?'E@C'+-' JC ,Z '+B'+B@' @ @C, C +@ +' @C' C-'X@A'-' @C' SK M ! (' &' 0' & !!&'<3 G' !>??@CZ' '?G C@AD'%-,@C D.@' .,. B G' C+@?Z B '@+' A' +B' +'> ' >@ ,,@.@D'+-'E@' 'JBC @' ' 7 ,)@ a' ;KML'K ' 8 &-&!$>'Z B@'E C@'?A+CG' ?-CA+-.Z+B@' B >' CZ @C@ @, -?@' A'+B@C' @ SKK-' 8 ' C 0< & 0';QP B@' @ @C+G'- '+B@' , '+ ' +B 'J C+-' '? G'E@'@ + @D'EG' '-' A -'+B ' : A> CG' AD'->,G'+?J@C +>C@'- ' +C B A' Z;<;L' &2!"' $' ' ;K;' 7@'B @'B D'-A'+BC@@' > @ @' @ @AA.' +B>>?C +-AA'-'A C@'@ @C+G

M' -,@A @'-C' >+@A@ '8-' ,,A@ (SK-K' 0'%- !0'4 4'LMO -C'D-@'+B 'D @ @' + ' @@?'+-'A C@ @ @C+G'-C A' C@I>@A G' ;KQ<' ' < & ' $'*('*0 4' ;OM B@'@C>J+-A A C@ @D' A' @ @A+G'+ ,'D@ +B' ;K<L' ' , $' 'MK '8JC-D' -'C@+' ' CG A.' D>C +-AZ -CD A.'+-'+B@' @ @C+G'- +B@' @

2' C@ -> A@ '8-'J AZ , +-A2J@A ,+@ 2@+ ('[K=<!#' (' ( ) 0'SS S'8;KP=(' 'LN< B@G'A- 2

'+B@' @ @C+G'-'+B@' -A +-A'+B 'B D' A, +@D'-A' -+B@C' $0+'(' '\' ' ' ,&!''4'L;=' B@'A@ '^-' A -,A'' A + -Aa' @,,' +B'J@ >, C' @ @C+G'>J-A'+B@C' B@ C+' B B' @C@'.,- A.' +B'+B@'*-G'-' '.C@ +' +-+G' ;K<L' $2' - '4% 'MNN X B@'8A -?@(+ S' ,,' @ + @S @ @' AD'>AD>@' @ @C+G'>J-A'-A@' , Z AD' +B'>AY C@ -A E,@' ,B+A@ '>J-A'-+B@C

!@ @C X + -A ' $ 3V' ^5-C?@D' 'A@S+'i' # a B@' + -A' - ' @ @C A.'-C' >++A.' A'+ - R& ' -*!'?$ ' 'O=K '! -++ B% 'A' "-,, AD'& CUZ B@C@Z @C.@ A+'-'+B@' @' > CD'@ @D'+B@''@ @C ' +-A'-'+B@',@.'-'?>++-A' AD'J@C-C?@D'+B@'! ,DA'@ +

+'!@ @C X@2' 0 10 $ (^' 3 'i' a' $'0 -' @ @C-C' @J C+@' 8% ' 3 .U 'b(' "@A @' '!@' @C @D'**!('$0

;M=<' ' ,! # a +C'? - '>' * ('2'M2'-S ,,' O@A.' C@'E>+'-A@-A,G'O@A.Z B A'B +B'EC@ +B@D' -C+B' +' @,@'->+'-'+' @,@Z AD'E +B' @ @C X@DZ AD' -C? X@D' +' @,@' DX 'e'MM B@' @ @C X@DZ J C+@DZ AD'D D@D' ,,Z ;M<;' 3.'? - '>' &0C !(LK;'3>+> ,,G'>A -,D@D' AD' @ @C X@D

!@ @C,G2'-E '! ' -C?'- ' 3 ..'$ 0 i'!@ @C-A2' 0' 10 5-C? 'P' @ -C-AA@Z' GAZ' A+2 Z A Z M' @ @C ,,2 'K@8G(@CA '^ #5' 4*+&' (&) = +&' ($) $' (3 &'' (@+ '8 -D@C-G(' ')) $'( )1)' $' @ @Z ' ')1'>AD@C'0) '$'8-A,G A' ',- ('C--Z JC-*@ +A.'J C+'- 'C-- ' I'!0 &' $'@ @Z.>++@C' - ' 'C-- a' T'!-?@'U AD'- ' +@C + E,@'-C -CA @' 8& CU@C'<!& 0 , !0' ;KPN(' , -' &'' $1!0 ;=SO &' $, ' $, .' 084KL=(S-' AD' ,-' -C D@' $ B CD@' ' ? U@'+ E,GA.'-'+B@'@AD@'-'B@' -C D@' 9 CU@'-' '9 +C U' +B' @>@C-AA@'+ E,,' ;=OOL' $1 ,' &!!' & .' ' '8!>C+@@ ('=K +' A' SZ'?' ,+@','@?J+' ' JC-'L' @ @CGA' +-'@S'J C+@' C B@J -J ' ;==L' A'7 ,, ' \'%, CU' $-1 '8;KKM(' LKM 'ZS*' -+@'-'!@>@C'A+' +E,@' J,@D' +B' J-GA+' +>C' '?-,D@' ;=PN' A' 0) '!-0' , * ' '8!>C+@@ (J' SS Z &C-' +>C' SS *'>,A C>?'D@' @G@C A @')' ;PSQ A' $- >' '<!$ Q &'1) "'8;QOO(OOQZG Z AD' ' --+@'- 'C@ @ + E,@Z AD' @ @C ,,' +E,@' ,+ 'D' +B@' --+@' 4POQ K $1 ' &!!' & .' ' '8!>C+@@ (,-S' A',@' C@ +-A@Z A'@ 'B-CD@Z @ @?'@+'*' -,@+C@' ;P)L') $-' &) 0'?.0 8!>C+@@ (4QL'&C-' CC -A@' 'C-D'^' ' ' a'JC-'?-,@AD A Z A' @ @CA

!@ @CG'8@ !C(' , (5-C? 'P' @ @CGZ @@Z' M' @G'*'='OD @ A Z P' @ @CG @Z' - @CG Z' 8 @C Z *C (ZM @ @C@G8@('^D'#5'T, & ' , & ' E-C>?] ' ,1& 3)-'8 @@' B D! > @D' EG' @C @ -' % A+@CE>CG'8 O+B' (' A' +B@ -,,- A.' @A @a 'E G'-C' -?J C+?@A+'-' ' >,+@D'C-- ' , -Z ' -?J C+?@A+'-C' @ + -A'- ' -,D A.

c<&& -0 C&''8!>C+@@ (';L;' A'*'J-C DE@'?@C ?' @?J+' '7 ,,@,?-'9GCUEG'JC-' @ @C >'JC-'JC?D'+@A@' ?@A+-Z9 ' #>$q&' $1 ,'.&!' & .' ' '8!>C+@@ (=Q &C-' *'? .?' '?GA '@?J+'JC-' ,DGA.'A',@' @ @CG' C B@J -J ' 1 0'&C-' E+>)'J-C ? 'JC-'EC> ' @AD ' D'D@ ,E ,-A@?'@ @ @C @'A',@'G,@'@ ,@ '@'S D' $'%]&R '(8;QQK('0==3@?-C AD>?'D@'@ @ @C@@' D> C>?' @A@ +C C>?' ' 0 LNL' E' ,,-'BJ +-'>I>@' D' ,, ',@'@,@CG'A')>+E 'SA C + . 'D)@AD@A+' 0 'A' !0' ' 0!!0'S 7B EB'C--'-A+@)@+B' '@>@C@G^)3))' @A@C@G(' ;PSO'A'7 ,"'\'%,CU' $-1 '8;KKM(' 'MNK B@'+G?E@C'-' *' @>@C@G'-'+B@' D'.C@+@' -,D' 1 0(5-C'@>@CG' @>@C@G' A'+B@' D' B>C B@ OKP<A ' 2 , '8@D'=()K' JJ2 B@' >,+'- '+B@' B J@' A'I>@ @?'4D(9 A.@'%-,,'%B J@,+% ?EC('D D@D' A+- -E,-A.' @ @C@' R& '$' B (0'<!$ &'1) "' LP' B@'A @' -A+ A@D'+@A' @ @C@ Z'+B@' @CA C?'-'+B@ C- ' ,->C' @ @C@' K @' &!0 $' $'$'4 'M= +'JC-*@ + ' ' @)'@ + CD'-'+B@'C@ +'-'+B@'C A.@

+'!@ 'D ,2'$0 1 3'^' ' 5)3)'8' -) ' @C @Z >C->'i' 3'+@?'-' ,! '+-' GZ J@ U(' ' ,a T' B +' J@ U' C>@,' AD' C .-C->' -CD Z+B +'+BC@ +@A@+B'8O,->A+'<!& & 0 ;MPM(!@ @C2' C'!, 0!' 1 0(@ @? U@C U% 'A'3 G-' $' ,(,0 & , '8;<NK(=NL

!! , ,!Z @ .A@' ^&C-E'A ?@D' +@C 3?@'D@' ' ';MOQ <M a' 'U AD'-'E AD@ >Z *0 -A@' -C+B@'B C

+!G') ' = 7 ' $',' + '8;K;K('L)' B@', '&'' '!$' ' ' (-C ,& %) ' '&'(A- '+C>?JB'- @C'!$' $ ' " ' B** '$0 ' OKLP &) ' $ 0' 'J' O'!-?@ C@' -CA ?@A+@D' +B'!@ .AD'-')!! (D J- @D'A'C@.> C'J, + ' ;KLQY= ' ' =)V' 0% 0' $ $'8;K=L(PP' B@G' @C@' - @C@D' +B')-,D' AD'*@ @,) E AD'C->AD'+B@'C E@ D Z M .AM Z AD'AA. '-A' ,,'+B?C' A.@C' AD' ,,'+B@'C+-@' OK=L' &- - &' 'OO;' 'D ? @, +B',-A.'E, U'CA.,@+' ' AD' ' @ .AD'-A'B@C' -C@B@ D

!@ ,@Z'!@ ,->A2'-E ' '% Z' 3. ';=NN? " 'ONMN 5-C'+B@G' @C@' .C@+@'!@ ,->A'\' CD' JC-E +@' ' 1 0'OMMP'!@ ,@',

!@ ,, A'8 @ D)(Z'$0'^ ' !!'8 @@'A@S+('i' a' f' 3.. '$0 !!$''2$ (A'@ C+B@AY C@'? D@'A'!@ ,,@'A'?++-A'-'+, A'? Y *-, ' ;K<['A' ') "' 0

!@ ,,@8 @ ,(Z'$0 5-C? 'P'!G G,@2#G G,,@Z' M'%G G,Z'M Q'#G ,,Z'# ,8,Z'Q'% ,@Z'! ,Z'Q K' !@ ,8,Z'K '!@ ,,@' ^ B@'A ?@8!J' !!$+'- ' +G' AD'JC- A @'- ' AD ,> ZA @D' ++C E>+ @,G a +, ' !! '&!'-, @'- ,'EC->.B+' C-?'!@ ,,@ O=LM 1 !' ' 0'C&E,"'P= A'C&!0'C& -'8$-,, ' 'SM- G -+G Z'!G G,@' -$ 0'& '%G G,,@a' -G, Z AD'.C GA@' 4P=;'A' !0'C!$' ' 0 - $!"'8;K)(' ' ;;O' #A'A-.' B@D@'-'%G ,,'-G,@' SMS-'= ' $ *0';;' SSS'LPK #+B@C 5 CC @C'+'U@'-'%>,,'-G*@' AD'EC?+-A@Z-'@ B' ,U@'I>' A++GZ $';MSK' $ '-$,$' 0 ';='EZ !@>,,' ,@Z 3 -C '- ,@'^@+ a

/ !! & $ E ++@C -C A.@2)
? $ $ $+ > @D -C ? U A. ? C? , D@
$/OJ (- P 8 C- C+(OKO 5-C
+B@ -CD@C - ?G , @2 + W 6 > , -C@A.@ 8;P<<
), & LN=)@ %->A+ A@ +B@C D2 A-C
U@) E>+ > ,, %->A+2 > 6 A #C A.@ a ;MPQ 7
. , - - ,S > OPM A !J A@ E->+ ! ,2
B@C@ +B@ E@ + #C@A.@ &2(AD C@ ,,@D EG > % ,
#C@A.@ ,G - " 8 6 & !!$ +S 5@E 2 B
G-> B D -?@ +V ->C !@ ,,@ -C A.@ ;Q<M $ - *$
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@@+ ;KQQ $!! (3 && " =KO O U@ -?@
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J E,@ - E@ A. D J+@D +- ? AG >, A CG J>CJ- @ +B@
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a B0 # FC J@C+ A A. +- !@ ,,@ %
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->C +@ JC-?@A D@ & +B@ !@ ,6 A SK) ') -
L 3 C OLL O 83>C ,,-: +B@ JC A @ - !@ ,, A J A+@C
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A +B@ !@ ,, A J, +@C@ 8?@ +G,@
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2 & $ @@ 33 AD # a B@
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-C D@ $%JJ B ;;2 - % ,, D@2)&. (
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!@ C@ 8 k C(2 $0 5-C? K !M @2 !@ @2
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+- A A 5C A @2 A@ C& C a B@ D@ .A + -A -
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;QM=) ' ..) A :@ @ !2 ") & (8;K=L(
OKQ 7@ +B@ B A G-> J@ U - +&- C@C 2 + !@ C@
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$, 8;K<O(,-+ + E,@ -C?@D - @ @ J-C @, A S) P
$ " 5 ;;) (: K; @C - !@ C@
-,@@ >J 1 0 $ (& % $ " (: O<= +C> A @ 2
AD !@ C@ + E,@ SKM 3)) ") ! SSS 2
B@ O@A @A>+- %@,, A C A. AD +B@ !@ C@ J-C @, A
4NNK $ 7 #) 1 "$ 0 OP= E U@+ - E@ >+ >,
-,D !@ C@ B A
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AD EC-AX@2 +B@ E>B, AD -C ? -> ;KQN 4 ' !
?& $ =N B@ EC@ U +2 A D A+G !@ C@ AD , @C
!@ A)) 8 @ C) . (5-C? M @ @C . 2 N
@ C>. 2 K < @ C>. ^$>W , 2 $
J@ @ - +>C.@-A2 , * !!$) 0
S++S -) & - - 2(8;KPQ(;O B@ B
,,@D E@,->. A 2 +B@ +>C.@-A2 +B@ @>@C . 2 AD +B@
+@C,@D@G ;Q<< 7 * 2) $ - *0 ;=L
B@ @ @C ,U AD - +>C.@-A2 A ?@,G E@,>. 2 +>C.@-A2 AD
@ C>. ' H K-L L +C C$!!$ > $ (8;K;O(: O K #A@ +B->Y
AD @ C>. JC-D> @ -A@ J--D AD) C+@C - A. ,
;KS= +C V!$C & !C$ $ &($) ,T B@ ? - + -??-A
B@ A +B@ @C@,W C# CJ2 E CE@,2 +>C.@-A AD @ C>.
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;==N C$!!$ 0 &') (+ ;S= #C + D U D@A@ AD
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C " 0 (8@D O(2 *) - 0 >@+ 4KPL $ 0 @ 0
8@D O(QLL) - 0 5 + # C@2 +B@ !B@@J !>@+
6 @ >, A. A. -A +@A @+ - A+?@A+ AD J, +@C
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? (2 = P @@ 2 @>@2 E.@ @2 P @ @2 @ >2
P Q @ 2 M @> ^# $2 A@>+ f 5C 2
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J- -A2 --D/ @>+ $22&3(% # * 3
@+2 D AU B@ C--+ + G E@ D@A+ , +B +B + -
C 7 T)3+ + C A a
:> @2 ?@D +>C@2 B>?->C m# -A,G E>+
3 2 .]8 E ,2 A #C? A(
% +B@ -?E2!* $2 GA- 2* - $2 J,>? *> @
<NN ? <!& A ! @@+ 0 0 5 OKO) ,) - (@
O;NNN $5(, (: OMK 7 E E?C @ C@A C@2 *@A ?
,) @ G, A GC+@ -S.,- @a @ ? 2 D C- A @ %
1 0 ;M %6? * H$(D, -A &] G >?@ >?
/2 &-++ .@2 EC-+B ?@ - J-++ .@ 8% 3
) (- 7 10 ;N (
A +B@ ;P+B -?@+ ?@ > @D +B@ @)> ,@A+ - #5
, -A -A EC-+B2 ? A @D ?@ + @ @D +B -A -A 8%
!>-+ ,0 ;==N(B@C@ ? G B @E@@A D G,, E))8 #5
, + B B ? G B @E@@A -A> @D 7 +B +B@ A + @ -CD
E@ > @ +B@ ? EU> +G - +B@ J@,, A.
;L (0 (C(O ;NK JG @ ,U C@AU@X ! B> A@>@C 2
>JJ@ -A -J@ M ?G @ @ 1 (KOP J@AA@ B- >@C@X +B
+ B@C @>@X B-A@ %;LKM B D) > 0 P< :
-A +,@++@A , B C +C A.@ @ @ ! . 1< SS ,
= 7B AA@ +B->B + + U@ -AG+B) E B>A+GA.2 ? U@ +-
?@ @@ +B@C- ;=LK 1- " -@ +C $ 0 S S O=M
5,@) G C- + D2 G B ? -C@ B-++GC +B A A @ > -C -D@
+GC CS==- C &- * 0 C$ 0 MQ O %@ @2 *) !$) - 0
1 0 = P= O !@ 2 , *) $) - 0 = , &,(A 7C 7 >, U@C
! * $) - (@ @ $/+% ' H "!?) , 0
*2 B@ J -+ .@ +> @D +C J@ AD ->?E,@ A @ @ ;P=Q
* ? 0 $! LNN O@ C@ - @ +GA. - C>+@ 2
J-+ .@ 2 AD @ @ S KM 9 !10 0 SS 2 -
A @ >D J @D !@ @ AD $- +@2 AD J,>? J@ -C 9 A.
M-S ..)C! " 55 0 S ML +B U@ .C@ @,, -C

@ E@ ? D@ +B@C@- ;MLL : -) -) & ;;; S2
" DD@C2 @U@ AD B DD@C2 7 +B J @D @ G C ?D
% 0 M)! 2 0 C %(K< 1-> D>C +A-+>J-A+B@ J@C ,
- !>@A B A. G->C U+-B A BC@ J>+ -C+B G->C A.,@ @ -
+C A , + -A2 +B->+ +B@ %-,- !> A+ D - G->C AA-+ + UJ!
$ 10 ;=P<) $ - ,,0 &!! 8!>C+@@ (K< +@? *
@ J-++@X b
17 10 1 0 @S $!0 ^ #5 T - $ 2 (
J B @+ T (, (8
>+ +B@ GA-AG?-> B 7 8A-C+B2 D ,2) +(B B
? G -A @ E,G B @>AD@C.-A@ ,+@C + ?+,>C->.B - Y
+-A +B ! 8 AD 8 C) a
@ @C2 DC A
>#! 3 0 8!>C+@@ (OQ B@B- - $-E@C+ $ GA ,D
A@S+ EG +-JJ@ +B@ +GC @ 2 +B ++B@ +@C ? G A-+ B @
+ C@.B+ -C @ 1 0(B@ A@ @ @ A ->D +B-CJ D@
@ +G @ ;PKP C & - ,!$ & " " !0 !&$,$(+B@+- A@
AU@ +B@ -??-A @) S- (($- C ? (
OLQ %-??-A !@ @ -C !AU ;QSN G 8(C $ -
-0 O== :>,@J2 -CA ->+ @ >,@A+ $>EE B))+B@ O-DG
^ A a @@J + A+- +B@ %-??-A !@ - +B@ % C >, + A.
O,--D ;KQP O) 5 <!& (((2 (A >AD@C.C->AD
DC A K*) O E o $. !$ & 2 Y(T
B-,@2 @ @C2 ?> U ? DD@A
!@ 8)(2 $!0 , -K6M2 --V@+ !B-C+Y
@A@D -C?- 8 D ,(@@6 0 $!0 0
B -CD ? G J- E,G C@JC@ @A+ # 2&E J) JJ,@ -
& + +C A2 DC A a
# - / CG - ? ,U %B @ ,G A JBC & &
2(, - & & & 2(
;MQ= 0 = 0 % & QM - . -!@ % @ + - . - D) 2
!> ^@Sa J-U@A - - ;Q=M 5 - && ,&! 8 / ! (
LM B@@ B + ,@+ +B@ 9 @@ . - X - - C 7 A+ - B- U A.
;KQP 5 <!& (2 - D +- E@. -A@ +-
@ B@A B@C ? ,U DC @D - % SKKM 0 & - & T
1.0 0H0N&&(7@ ? ,U + @A+G - 2 E>+ G-> UA- +B@G
A@ @C E A+ ,, A ? ,U +- -B@@2 -?@ E@) G X--
E B@ ,,@.@D >E + > @ f T - B B
. @ A- ? ,U J@CB E @D -A A @CC-A@->
A ,G - $T 2 8 @@ E- @(
SMKS 7-$ / " 0 ,0 LL; %- !@ B@A
B@C 3 ,U .-A@ $>+% .. 1 8@D 9@C @G(2 &8%->A+CG
-CD(2 %- 2 B@A B@C 3 ,U -A@ ;KKP 8
,$ &' <!& 0 8 / / (
1 8 D>(2 & + 1 8) -D(& JJ,@2
@ @D2 @ A 8 D-A(5-C? 5 @- A2 A2
@- A2 -> A2 , A2 O @ @A2 L @@-> @A2
= @>2 -> @2 - @A2 = P !@ @2 = K - @2 8P
@(2 M ,0 B@ 2 M Q - 2 Q)< ,T B@ 2 P
@ C$0**! 0 @- @D2 L @8-(> @D2 = >@D2
G @ @D2 = K - @D2 8P >D@2 @D@(2 M ->D@2
- D2 ! - +2 Q @ +2 = @ @D = M - @>2
Q @ @A2 < @ A ^%-? @>+ AD AD-.@C
? A # 2$ (&2$ 8> > ,,G2 +B B A.@
- -A*>. + -A2 2 $ (&2 $ (&) $ + !#5C
$ 8?-D5C D ,2 B +(# ") B$ # @>+ T 2B$
8! "0 / " +(-+B2) B$ # @>+ T 2B$
-.A +B@ GA-AG?-> 0 3)3C (C =V$d Y+& "(
@++2 ,)B) (#!, E 8$> ? 02 " "O E(2 !UC
8L A. JC@ 2 2 "$ (J JJ,@ " D@C + @
C@ "E @? 2 A@@D,@ -C +BC@ D@C ") - $ >+>C@(
B@C--+8 -C B B " C+ >..@ + JC ? CG -C? T " 2$Y+
JJ@ C A +B@ -CD E- @ !>-+@D T " 3 T 20 A-+B@C
E, >+ .C D@2 T "&)3(->AD A # @>+ T$) - &T 10
B@ JC-A>A + -A 8)(EA-C? ,8 &2(C- 2(
C@JC # &5 $ (A 7@ C ++@A -C? B- B + - @
E U + , + +- B@ ;=+B A +B@ ;Q+B 2 -?@+ ?@
C) ?@ B ,!) (2 " +B@ ? - D ! JC-A>AD + -A 8: (a
$ 0 +@A2 ++ B2 -C *- A 8J @ @ -
+@S+ ,@ ? +@C ,2 ,@ +B@C2 @+ (EG J A. +BC@ D
A ,+@CA +@ D C@ + -A +BC->.B @C @ - J>A +>C@
? D@ @ +B@C +B A@@D,@ CCG A. +B@ +BC@ D2 -C
+B A , +-+A U@ +B@ @ ? - 8 . C?@A+2@+ (
%QL) & *) <!& (B * $,&(->> S--- !.6
< (, +Q 2 -D-A A ,@ AD 7-CB+-A B? @DEC@
S---] $ S OL !>?+ >+@C@ -D@ 0 0 @-
-D@a E B ,) A @C@ @- $ SLLW , 0 (=ON! B@J @!2
AD @-> @D2 AD ?@AD@D B C B@ ,-A@ 2 $ 4LNN) &
(;<QMM -!@> E@ J->@C :V C ,@+B A. QJ 9 B
C$ & > (5 OPM B@G - @D - .@ ,@ ? A@C@ -
EC@ B@ %4=ON 1 &,&) - 5G,,@ +BG E ..@
AD @ B + ;PMM A " G 5,@? A. $ " A 0 &%
, & 8;K<Q(PNM +@?- ,GA >?+>GA@ +- B@ +B@ F>@A
>C.@ +> >A @ L %< 2 !!&% $!
O; O ..@ B J@D AD - @A +@C +B ? AA@C ;PQM
< 7 ! <!0 7U ;<;N 2 ;Q; 7B@A B--+A U@C
? U@ B-@W2 B + C@ @,, - @D ;999 &
C$ O< OC A. B-?@ +B@ -.@ D -A@ 2 A ,,
AD D@ CA +B@? >J +- E@ ,--D ! A@ O WM =
.) 8) A &! !&!! ,0 83 +, AD %,>E(O=L
E-G B- - @ J- A+ A+B@ -C@A--A !@.)?&
L; !@ A. + -A @2 +B D->E,@ +BC@ D@ !BC->D
!BC+ SKK- B) K & : =N !B@ A .@+ . C,
+- @ +B@? -C B@C
+- - +@A2 ++ B2 -+ S 8 -?@+B A. (EG +B
JC- @ & ( )*& ((&(&) 8@+ (-?@+B A. @, @
S--- 0 <& *0 3 CU OX 9 A ? A A@ E A A@
GJ +- @ ,D>? C@ , + --? . ;) = A 0
;PK A E) B,J@ @ @ A B@ (E B-G ? A ,@+ D- A@
%C- X2 E)+ 3 A @C @> @D +@ E@C+- ;LK 9 . 1
6&1 S SM -> D@ J-A ?C U A2 ,
C &!0 MKP @CA ,@ ,V D@ B@ - @D -A B JJ@ =8)
& $- 0 LQM + JJ @C A @D>,@ +- EE
@ @D ;=KL , 0 !!(K &C@ ?E,@2 B@ @ D
/ @C >JJ-A +B@ ,G +@ - +B@ ?@ %,-+B@ @ +@A AD
- @ .C@ +@ $ B@ 4PKK 0 0 L< 5 C@
&B ,-?@, B@ E>+ ,- +B@C+-A.>@2 AD A +@D ->! ?JY
,@C - @D B@C ? AD@ ;MLP $ $- > 0 ! 00
OM; " E@ D - -A@ @C @ @D +- B E-DG EG B
C @AD 2 AD -?? ++@D +- E>C SMKS 6 !0
!0 A $ (V!. " , (&,T!@C ;; 2 K

^ B@Ga D-CA + +B , - @C 2 @ @A +- +B@ EC-6D ;K;L
<) " 0 2 - J - J C B?@A+2 B B B@
@ @D C->AD +2 +-JC@ @A+ + E@ A. B @D S--K^3 "
- 8. V? 2(% &!- LMO !B@ A D E, U
C EE-A @ A C->AD B@C, ?@ A.@C
% 0 ;P<K 8V 5 P 0 C& 0ON # + +- E@. AA A.
@C >@ AD A@ @ - .C@ + - @D J>CJ,@ J @ SKL
$ 0 $ (2 3G - A .--D EC@ A. A-+ -
,C?,G @ @D + - ?@ E>+ ? + A D- +2 AD C@ >?@ +
>, +B->+ + ,- A. + ?B
7 +B D 2@ J &, 0
,4!<N (-) & % P= A 0 =LL AD
@>@C@) A@ B@-) D@ B@-?, -E@ J C@ +B B@- ,D@
B@C@A@ @AD@ +C@ @> @D@ +B AA@ S) 9 B6 < 0
,Q B@ - @D@A +- . DC@ ,@@>@ - , .@ +C@@ ;PMN
B +C ! $ > & - - 0 =O= B@ - +B@C + V AD & >,@
) -2 B D + @C@ - @D +- .@+B@C @)@A C .?@A+@ @D
J + B@ ;ML= $50 ;NP &C?A 2 - @D
+-.@+B@C +A B@?J@ AD -CD ;QNN - $,
8;QOK(LN2 : A -?J C@ > B &C-D> + -A +- A-+B A. E>+
C B & @ @ - & + B -CU @ @D +-.@+B@C + B& U +BC@ D
;KLM 7 Q 3 7 & $: OM< 3 @C@ +@A+ - DC@ @D E> ,-
U A 2 @ @D +-.@+B@C AD +C@+ B@D -A ,-A. J-,@ ;KPP
) - $ - *! 8@D O(KL - !@ -A 0 >++-A
OO+O - \ = B ! 2& . 8@D O(
46 4;M +BC@ D ? G E@ , D C- AD @ A D- A]
-> B@D2 + @D
D + C *+5 @@ =@
%;PNO %& * -0 OM< B@ ->AD@+- @ @ +E@ E@. A
+- J@D@ 4Q<P : ' .. ,0 &) ;h & (B@ -,D@C
!>C.@-A 8) @D + %-A+ A>@D !>+>) B@A +B@G @7@D
+B@ ->AD ,, , -A. , U@ O@ ? SKJS = C , 0) 0
PO S @J+ A +B- @ >+ B B C@ - , B + -A,G +-
C@!> C@ UV+E+- E@ C JJ@D E->+ +B@ J C+2@ @CG ->AD
->.B++- E@ @ @D
@ 6 ; ! - +@A +-.@+B@C +B@ B@@+
- 8 E--B(EGJ A. EC@ D -C C@E U CD
AD -C CD +BC->.B +B@ E U -,D - @ B B@@+2
- +- ++ B + + - +B@ AD D + A.> B@D C-?
% !
;MLQ $ $- 1 , > !&>% **0 8 CE (< -C
> @ AG > B^E--U a+- E@E->AD2 ++ B@D2 -C - @D SK-.
2 . 3.. A $ * & $ > - 0 8;KMO(=LMM2
C@ D $ E@ -C@ + , >@D C-?2+B@ JC@ ->?@
E@ A. !@A+ ?@ --A_ @ @D
l 7 +B -.A -E* V ? U@ 8 @ ?(
* 0 ! ;;; $@C A. B@ ,-E@ ,+-
J@ 2J + @>@A@ .--D@ - @C S@ @U@ +@C 3->A A-+
@++ J@ @@?@ A@ @ @ B@?)@GA S=--2 ;MLN^ @@
1 ,(
/ ! AD - -CU +B A@@D,@ AD
+BC@ D
4=PN > $! J ? A) +-U@ BG @E-A@ +-
BG?2 AD E@. A #C+ @ -A E+ AD @ @ @ @+ >,
E@,+ ^@+ a J P M C (C %0 87 D@ 7 ;LL;(0 7B A
C.GA E@.GAA@ +B GC + +- ,@CA@ +- @ @ A +B@ ?J, C
$ - 0 ;; QQ & - A. ?G%B ?E@C
$ & & > & ; QKN 7 B +?@ A D@
+-) A AD - S! D : $ " MP !B@
+ +@ D ,G +B@C -CU)2 @ A. G + +B@ B C+ SK W
8 7 $ $, 2 7 B@A @ @D -C DC@
= C& - 1" $ " 8;K<M(;MO " @,@ , ++@ +B ?
E- @C +B@C@2 AD @ @+B + +B@ @ ? - C
@A ,- @ J>+ - @C -C
C@ @J+ ,@ @ >C@D EG @ A. f *+, =E
S) !!0 C$! - LNMN &) J U-?@, E>@A U + A
B C@ B)+ ! B@ -,D C B@ A J AD @ +- E@ @ @D A
A B>.@ A AD@ B D@ J@-J@C @C@ 4LKQ 3
8$-,,(;<P &@C @A+>S@ LN B U@J@?G E-DG +E@
@ @D ^;=LO PN @D@a A B@C+@) GA 4PPP)
$ 8 CE (;O= "@C J +>C@ - D A B JJ C@,, A@C@
A+- B EC@ +@ ;P<M $- (0 2 ;LQ) 3 +@C2
@>@C ; D ,-# @ E-D+@D .- A@2 - ?@ ? +B@) + - +
$ $ & 7 !& 8;MQQ(OQ !- +B@ @ J @ A
,++,@ E . SM) 8(T(; ;Q<Q B@G - D +B@?
A +B@ !U A O@ C AD +B@A @+ / - . E->+ +B@C C
& ! (&*SS) @,, E D +, +B@ J @ @ -
.-,D @ A J B@C DC@ I 3 N $ SSS 2
B@ D ?-AD @C@ @ @D A+- B@C B & +
!@ >J
- ,- @ 8 A -C @2 ->AD2 , - AG+B A.
+B +@A @,-J (EG ++ B A. +B@ @D.@ +-.@+B@C
4=<N & 8!J-(;=L 3@C@A G> ? D@B
->JD@ +- E@ B 7@D + $ @ @D - . %$ & ,&) $
* $ J J@2 +B + G@+ >,!-C@) $;P=K
0 ! B@ ,-CD@ B B J@CGA. A-C
!J@UGA.2 +B-> B +B@ C ?->+B@ B D E@@A -)>J ;P<M
$ - ((;=K2 -?? A@D@D +B@ ,@@>@
B->,D E@ >+->+2 AD - D J ,A@ ;QSO ,
=LM 5< B@ 7 ->AD C @SJ- @D + +B@ @
B- ->,D D@6 B+ A + 2 AD - @D >J -A +B@ !+ @ 4QQM
$!) &,& $ L; ;2 @ @D >J +B@E +B ?G - A
B AD ;KSO C 0(& 0 LQ >C.@-A @ @D >J +@
->AD ;KKP $ 0 8SKKK(OO= B@ B@C
?@A .@A@),G @ >J +B@ ? ->+B@ E@ -C@ J, A. + +B
-+B@C
-U@@J 8-A@ ? -A+B(C@ ->+@,G ,- @D
g +
4QK! "2 9 .1%. 0 &4 E** & "ON :>A@2
@ @D >J ?G ?->+B2 AD +B->.B E@ + DC@ @D ? + - -C
+BC@@+ ?@ 2 ; A @C@D A+B A. E>+ G@ -C A-
E J -@A ,- @ - @C-C C@ @J+ ,@ AD @ >C@
+EG @ A.
SM B&1 S B 3 G +C) .C O) A @ ,@D J A
E ..@2 AD +B->) - @ + J ? A@ A !>+@ OMLL
& > $, %0 2 %C@ +IC@ ! - D J A 3 A+@D ,-+B2
? .B+ -E@ !+GCD M) *) * $! &
4 0 O>+ A @ + ?> + E@ D-A@2 D J + B2 AD - @ A
B@@+G->C OC D@ ;K=K $ 0 $ " @E
@ A >J @ @C -? AG-D , !>@ A b U ? D + ,+@D +B@?
A+- +B@ @ OKPP = B ((S OL=
J @ - J J@C @ @D >J A D- +B E>++-A
- , l -+ C@ ->+ 8 B-C @(2 , -+C@
->+2 @SB > + 8 J@C -A(+- A-AJ,> 2 EC A. +-

+ AD + ,, & ,& - 1$ H + - D ? + +2 B@ +2
AD,@2 =,+ - ? U@ B - J@,@ ,G DC AU2 8 , (&
2) * & ' &, . ' (+ - JA+ + - ,@A @2 -A >+@
4$+ 9 *& ' $ 0 4 4 " @ JC@ @C @ B ++,@ A
> B C C@ -AD + -A2 +B + +B .C@ + D ? >,+G C@ +B@G +- E@
@ A >J SKM 9 = .3 . . ' ? $ S2 , U@
G - > G - >A . @,,- + - @A*-G G - >C @, @ AD @ >J G - >
B-C @ AD - ?@ B - ?@
8)_ ;KLQ C , . 2 0 SS4 S2 " @C@' 3 C AU,@C@ .', C,G
@ @D >J +B D@ J@C + -A2 ? 1 0 2 T 0> G " C@J, @D
&@,,)'? - ? J,@+@,G @ A >J H ;KLK ' . B !&, . - 0
!@C 4 ;P= 1 - > ? .B+ B @ +C D@D +B B ?2 AD . -+
+ -C B , A-+B A' -C E->.B+ + AD ,@D2 - ?@ - ->C
? J -C+ A ? C E A+ @ >J +B@ - + B-CA@D 0C + B ;K=<
. C& ! &' $," S 6 ;;L : B @ A+C-D> @
B ?+- G - > - -A - >,D2 AD G - > ? > + @ B ? >J
I> U,G G - > A ;KPP) . ($ $! ;O :
D D A-+ +B AU +B@C@ ? A , A . B - %->,D B @ @ A
?@ >J A +@A ? A>+@ , U@ +B + E>+ G - > C@ I> U +B
G - >C + ;KPQ = 38 8 C$ < &! A S 2 "@
+-,D 5C@D ++@AB ? A -A D@A @ +B + +B@ ?@A B - @C@
A B D@E+ D D A-+ - ?@ >J +- +B@ C + B -A @++, A. D G
B@ B - >,D E@ C@ .>, C,G @ @D >J
8 (L 0 B ? !!" $"!& V " (40 $'
$. ' &) $ $!0+ B , I > D2 @A+ ? @ EG 3 -A @>C
%B E@C+2 B@ C@ U A .2 ,' @ B ?'>J S\)': ':' ' 8"
C 0 C ' SS2 7@ ? > + J,G B ? +B , I > -C2 -C
D -A + +B AU , ++,@ ,' @ B ? >J SK= 3 $ "
" 2 - > @ : U " -C A' - A JBC @2 +B@ J - +B@ CG
@ @D >J E@ -C@ B@ B D AG > J -A - +B@ +
+ ;K)) $ - ' SS ' + +B B - ? @ +BC> +
3C ' 7 , -A + .. @C@D IE ' 3 ' > G 2 C @D B@2
'E>+ G@ ' @' . - + + - A . > @ A G - > C E@ D 1@ @ @ @D >J ?G
+- U A.

P & - 1030 0@ AD @,,- _2 ? D@ EG @ A.
AD @,, A. @ C - > A) > @D $ 10 + - D@ .A +@
?@+B-D - @ A. +B@ >JJ@C - B - @ D C@ +,G +-
+B@ -,@ , - 10(B -@ - ? D@
SKK- C!$ '' ' OQ B@ @D - +B@ J + B B - >,D E@
+>CA@D D- A -C @ AD @,, @ ? S P ?&&
.& $. 5 0 <= A +B@ E@ + @ C - >AD 2 +B@ -,@ C@D> @D
+- +B@ +B UA@ - +B@ >J J@C ;KK<C $!! $!!< $ 0 - -
= L 3@A A. .@D A +B@ @ C->AD EC A B - +B@ E - + C D@
;<NN% B . . \ ' "!' 8 " 2 &' & QK A +B@
@ C->AD " -C , JJ@C ? U A. <C D@2
+ 42 10 , - P @ 2 P M B@ 2 M @ @
^0 U -C? + -A C - ? 8 10 H $' 0 -
J, @ 8 - -D (-A +B@ + E,@ ' @ @C D - @ ' 0 + -
+ @ @C
B@ . , - , *) !& A C & - * 0 C$ 0 D >@ + - - + -A
+B $ 10
;==N C & - * (C$ (9h 0 %@ GA2 , *) !& 0 1 (=P= 0
!@ GA2 + ? @ +@ ,) !& *) !& , ; =)) 7 & * ,
< 0 0) ++ . - - @ D= 0 0 @C @Da J ++@ U A.
+ E,@2 $;=KL 1 A &) 0 8;Q<N(LM " @
^+B@ @ @Ca @ @+B + -A@ ? @,@2 AD DL ?@+B AD ->J@+B +
A-+B@C ?@,@ , SW-- & & $ & A ?$1 ? .0
8;KMK(LMM 5 C +2 ?> + CD AD E A@2 @+@ GA@ B@ @D
+B@C+- $/J+ . 7 Q;M O2:" @ @ + ?@ +@2)V O;P=K
. & 0 0 92 E2 B@ @ I>@C B B@ > V
+- ?@D + - @ @ AD + U@ +B@ G@ E@ -C@ UGA . $G E CD
S M -) ? .0)) A ?$1 ? .0 8;KM \ (MQ A -?@
J, @ +B@ % C>@C D - +B @ + - B@ AD @+ D - A ;MN<
O :- !# ' & - 0 - $ (5 - -,@ J @
->@C @ A. +B@ ?@ +@
+!@7 G $!,& "T 1 0 ^ JB@+ #5)
&) 8 ? - D5)" + + - J@2 ,@ A @
5), + - D@JC @ - *> @2 ? 5 - > + (b) ,)
*> @a $' 0 # B U - J@ 8+B@ E@ U(
+@C @@D A.
%4=PN ? . 0 $! A !0 0 ONM A B U@ >G +B
E@U@ AD A-+ GJ +B B 99? . 0 (%1$ H($2 .
AG + +B -C @ +B B C E@U@ AD A-+ J +B E C E@U@ O/>/
B 3 $) !, & OK< @+ B+C + C@ . ? A + +B@ !>AA@2
AG + A. AD @ A. B C E@ U@ , ++,@ + G ->C D C@+ -A
1 8 , (2 0T , - M @ 2 @ @ 2 Q @ 2 Q <
>@ ^ #5 8A - C+B @ +@CA(T 2 8, + A X@D
2 + (JB@+ #5 T 0 J - J>, C
T 5$) (53 - > + ; $D) $ +@C
B@ # 9 & 8J JJ,@ 2 + B D JC@ @,G +B@ @A @ 0
E@,- + J - E,@ +B + A +B @A @ +B@ E ? G E@
D + A + -CD2 C - ? +B@ I JJ, \ B@ 5 + - @ +
? G D -E@ J C+ , - >C @a
-DC A2 DC - +B@ +@C C - ?
- , - 2 + - DC - 8 +@C(
$;P;L - & D2 08;KS;(=KQ ^ B@Ga ,@ @ AD B>C+@
? AG - +B@ E) ++@ +@A >A+@ 2 AD J-G,@D AD EC U@ B
- >C@ AD CGA@ 2 AD @ GD +B@ C J -AD@ AD +@C
;PQL B) 10 8;KQK(LO !@ @ J -AD 2 ?@AD D ?
4!Q< KN (C!) $ " 0 $ 8;P<P(QKP " @ D@+@CY
? A@D + - DC A@ AD @ , +B@ +@C - +B@ SA C B@
SM - - 7 & %) " S =P 3 ,, 2 -C !,@ A.
- >CC - >AD@D .C - >AD SMM - 9 .) 7 " (, (8SMK (
MK , - - D + ?@ + - @ 5 B J -AD 2 AD + U@ 5 B KPL
7 / 1 5 < !& (8@D O(2) (+ - ? U@ >CC -
+ - DC - +@C C - ? AD ; KKQ V ' <!& 0 2 (+ -
D) + - DC A 2T -@ J -AD
, I > D -- - X@ - > + 2 @S>D@ 8! D
, - - +B@ -A+ AA. @ @, (-
PMP < .) 7 d 0 8;PMQ(PL B@ DC - JJ@ -
E, - >D +B + C - ? +B@ B@ D D D @ # - C. - A E@ A. A@ > +
- ; PQP B 3 $)!, & O<0 7 B@A -@ @C +B@ B>? -C
? U@ B@ + - - > + B@ B U@ @ C@ SM M
" ! $ e Q< B@ &@C -, + -A -C I > A. +B@ @C >G @ +BC->.B
+B@ - - D 1 0 e =;N ! - ?@ 7 B@ + , G AD@C +B@ & A2
B B - ?@ B + ? - +A@D EG) +B@ !>A . - +B@ S & A
;M=K: B C " ; ; S B@ D@) G *> @ +B +
C - ? B EC A D - +B >@ ;KNQ 9 A & "
$ (44 P=< B@ +@C >@ +BC ->.B +B@ EC U -CU
;KOL &Af) %&!. & LLQ G) 2+ - - X@ - > + 7 +@C2
C - ? @+ , AD] E, - - D2 C - ? E - >AD >J - > AD2 $;KOP
- N 0 % ! $( ) (+ - >@ A ? , J > A+ + @
+ - @S>D@ , > D C - ? @ @, A -+ > @A+,G+ . B + + -
-A A@ +

$) 0 (# B J - E@ .C->AD@D2 + - E@
B .B AD DCG , - 8 +B J@ G A. DD + -A(2 + -
B @ + +@C , A@ 8 - ? > B(E- @ +B@ +@C
)S KK A % $ * 0 - $ $ 8 ! (: ;M 5-C
+B + B@ .C - >AD AD @ @D + - - + 2 AD - >,D A-+ E@
. - ++@A - O%A> 1 $ - $ < $ - 0 S =P 7 B@A
+B@ +@C . -A@ AD +B@ B J "@ DCG2 @ G B@ !@ @D
B@C B@ D E>+ "@ DCG2 B@ !@ @D B@ D E>+ B@
S AA-+ , , @ DCG) B@ AA-+ !@ +B@C@ $%>% 9) " !0
A , 0 0 $ &"0 8;M<=(;MM B@ 7 +@C D D EE2
AD +B@ B J !>@D E - @ L 5 - - + ;Q=P & 0 0
$;QK + - 7 +@C B@ !>@D E ->+ -A@ 5 - - + AD
B , $>/+ . $ 0 5 * & & 2 7 B@A !B J
+ , - 7 +@C - ?@ + - E@ -A +B@ C->AD + - , @ DCG2 +B@G +G2
B@ !@ @D A# B@ E@ A-+ I>+@ ,@ + DCG2 +B@G G2
B@ !@> + - > B & C+ 1QM< %# $ (- $
8;QKN(" B J C>A . C - >AD -A +B@ + D@ - @EE
AD + E@ C@ I> C@D + - UA- B@ B @ @D2 +B@ +@C , A@
@S ? A@2 AD +B ? CU E@ A. - >AD E - @ +B@ +@C
B@ D + - E@ @ @D EG ? > B + +B@ D @C@A @ SKK
($ - $ * 8@D M(;N< +B@ +@C B , @ + B@C + -
@@+2 B@ B > @D +) - @@+
E # +B@ +@C - >E D@ -C D ? A B A
D) +B2 1 0 2
T ;Q=K ! & > &" 0 LPP B@ + D@ - @EE ? U A. 2 +B@
+@C @ @D + - S+@@A @@+
1 0j 0 # - - - . -DCG
28&@CB -A,G - ? J ,@C @CC - C 8 $0+
;QMM & - + ! $ - 3 2 - !@ 2 -C . - !@ 2 + - . -
D) J - U@A - -
!@ 2 -E 8 @T 8 2 ! - 10 0)
-W(34- ,=W(3 / $0 7.U 6 (!
% J E,@ - E@ A. DC A@D
;K=K2 ;K<=^ ,@@ 3 V!
-W(K- 8 +) @D) (2 85 - C ? @D +@C 8 10
8 JJC@B@AD@D D@C + @ +B " QD EG >E + Y
+>+ -A - > S @@ " 7
B@ > ? @D @CE +@ ? ? J, + A +B - C ? + - A - A D@
A -C? AD @A @ +B 6 E>+2 >A,@ +B@ E ? > B
-,D@C +B A +B@ @ D@A @ B - 2 + JC - E C ? @D +B - > +
AG UA- .@D .@ - +B@ @CE B A. E@@A +> ,,G > @D a
$@ > @ ? ++@C -A @G@D A @ @C
;KL= *0 !0 & - @ &*0 2 ;M< . C + A. 2
+BC ->.B B +B@ , .B+@C AD +B AA@C J C+ - +B@ @ .@
- >,D C @ ;K=< A , 0 $ (> 8;KPN(QQ B@
@J C + -A - +B@ @ .@ - ? +B@ >C @ SKM.
' 0 o C $, 0 " 8@D L(OP !B ,, - @,, C@
@CG J+ + - E@ -A+ ? A +@D EG @ .@ - U A. C - ?
@ J +
% 0 SKMK $ 0 0 P / @ 2 Q=< ; 8 C+ (@ J J@C !@ .@
SK) ? && !! 9 - 8 . @ B B
J - > C A. -C+B - ? +B@ & A JC@
8 7 ! A $ (
% <] * 0 !0 & - - (& * 0 2 ; LM B@ J>E, B @
E> , + ? -C@ @ .@ + B A +B@ ?@ ,@ @, AD +B@) ?@
+@C ? G@ C 1 0 ;KQ " @ G - > +@G - ? ?>A + - A + -
? U@ C@ J@ + A . +B@ A+ - - @ .@ A " - ,, - G % bR
7 .3 ! 2 $ (2 $ (B@ G +@ ? - @ C - @ C >EY
+@CC A@ A -AD> + + -C C@ @ A. +B@ CCG A. - +B@ >J@CY
, > - > +@C AD , +B - +G 2 +B@ 2 $ - +B@ +G
- -AD-A
$ 10 AD % X 2 2 $ 3&) %$!!(3D) &' (
32$ (32& . @ .@ C ? 2 - C ? -A B B
@ .@ CC . + -A JC + @D - @ .@ C ? A.
@ .@ .C 2 .C .C - A -A , AD @C+ , X@D EG
@ .@ @ .@ CC . + -A2 +B@ G +@ ? - D Y
J - A. - , I > D @) .@ EG +>CA A. + -A + - , AD
- @ .@ CC . +@D $0
% _R %-$& / $ - 0 OL= S A ?,@ -) !@ .@
5 C? 1 (N_% A ,>@A @ !@ .@ 5 C ? A. -A +B@
J>E, B@ ,+B SKKK ,' LN 3 C ;PM ; !@ .@ .C .
@CG A @C -C + - A - C ? , B@CE .@ c M 0 C) %(
2$;N B@ @ .@ CC . +@D C ? - O@DD A .+ - A %_R
%-$5 / $ - 0 2$ OLQ @ C D AE>C.B2 @ _@
CC . + -A B E@@A - A. -A -C +B@ , + ONN G@ C %b
C !0 * 0 & - - 0 2$ & 2 ! B@ JC@ @A+ + +@ -
@ .@ - > + ,, % bR . 0 $ 0 > . ;QQ ; B@ 3@ +C -
3 , + A !@ + .@ I > @ + -A % b] U . 7 \ 8)
* 0 & & * 0 2 & - - (P B@ - ? ? @C , >@ -
) @ .@ +@C2 AD +B@ - + - + + - A @C -A A+ - DCG
? A> C@ %] C) . %M 5@E NO% B@ @ +CG +C -A ,G
- "@ + - @ , .@ -CU E@ A. +B@C@ @C@ +@D
-W(K- 8) @D (2 0 A JC@ E ;
$ 0 - CC . +@ -C @C+ , X@ +B @ .@
SKMS $ * 0 & - - 0 2$ & 2 O= &,- + O - E@
CC . +@D +B @ .@ + +B@ C +@ - L2NNN + -A J@C C@ J@C
AA> ? &, - + L - B@ @ .@ + +B@C +@ - M2NNN + -A
J@C C@ J@C AA> ? SKK- Y . 8 7) $V
- >CA B +B @ @C 2 DC A +B @ .@
;KK= C $!! $!!< / @ ; ; 0 B@ +C@@+ C@ E D,G
J @D2 E- ? A E,G @ .@D ^@+ a % $!!T , " , !0 , (
-W(K-< 8 b) PD(2 * * !0 $(^ 8 7 -C
10 0 / :
5@C+ , X@D EG +B@ JJ, + -A - @ .@
SKM $ * 0 & - - 0 2 $ & 2 OK @A " @C@ -CD
-S@A @C@ + @D >J A B@D + - + - E@ @D -A >A @ .@D
.C 2 AD +B@ C@ ? AA. @ .B+ + - C@ @ @ @ .@D .C
SKK- " * & $! OP 7 @@D B B C@
- >C @ - + C - >E,@ AD @SJ@A @ -A @ .@D , AD
% -A+ ? A +@D +B @ .@
4KMP C $!! $!!< $0 0 % > . < O !@ .@D +@C A@ @C
A . @+ J>C@ G A - +B@C
!@) A) 2 1!0 1(^ 8 7 N " 7
A I> - + SMS - JJ AD@J@AD@A+ - CD2 6 R
B@ + -A - DC AA. EG ?@ A - @ @C
SM - . 7 & % " > PN O A U A .2
E , U) 2 DGU A . 2 DC GA A . 2 @ A . 2 @ . A . 2 C ,, A.
B@ + -A - CC . + A. +B@ , .@
% &] - !(0 , 0 & , 0 : >A@ L=K 0 @C, A D - J+@D @CG
+C A .@A+ C@ . >, + -A -C +B@ + A ?@+ A . @ ? @A+ - +B@ ^ @ .@a
C ? AD -C +B@ @ A . - @ B @ ,@ D A J C+ >, C 1 0(
C@ >, G +@ ? + @ A . - +B@ , AD

1 $ 1 ($ 3 (
;P;L 8C (24 S 2 &C - , ;2P !@+EJJ + @ A@2
> . - > AD GA C - ?@
!@ A+2 !@ A +, G @W) 1(AD $((
!6
!@ C2 -E - C ? - 8 ! 8 I
!@ CCG2 C A+ - 8
!@ B2 !@ D C @2 -E) 7 ! 7)
!@ 2 -E - C ? - 8! 3 ! 8 T! B !E
1 8 dD(2 . $(^J JJ,@ - 8 %
8 V : - A@D2 +@A@D2 @+ EG + + B A.
;PK " ! & - , !$ $;;L 0 & & $! 0 - @D
. C, AD2 -C . C, AD +B@ , - @C B@C - C@ + @D + - . @+B@C
+B +BC@ D @M-S A 0 & &*& 0 , ( ) - $ -
83 +, %,>E(;Q< J C >C+ A. +B @ + C@EE@A
;MPO A O@ U < !& 8;KKL(;PO @A+G ->C B ,, A. -C
+B@ / -C - + @ B@ @D B@@J ,@ +B@C ;QML A 3 . ,
! & 3 0 8;<N<(;=K 0 , U . >X@ @ @D B - D SKMS
$ < $0 0 $ & " # + Q< O 0 -AA@+ - @ @D C @ +C
SKMS - = # + Q = B@ +C D@ A @ @D ?> , A ;KKP
$ * > 0 : A OQ< ; 7 B@+B@C @ @D -C T -J@A
+ AA@D . - + U A S@ JC@ @C E,@
E # E - U " A . +B@ B@@+ + + B@D + - Y
.@+B@C2 E>+ A -+ E - > AD
) ;QMM $ $!0 & 0 ? . (KQ 1 - > A . 8 / C D CD(% -A
*@ +>C@ -A %- ? J- + -A K - 2 @ @D2 - S ;) = "0 0
- > $ $!0 ? . 0 3 G P O " + - C @ - 5C C $> B2 =;N2
@ @D O MD
!@ @ D2 -E - C ? - B
+ !@ @@ C A+ - ! - 1 8% 5 &) +
>! !9 " - ! O / @ 2 !@ @@ O@ A 2 E - > + +B@ ! X@
- - >C ! C,@+2 E>+ + - E@ B@,,@D AD @ +@A , U@ 7 AD -C
O@ A
!@ @,2 C A+ -) 10(C@ C -
1 8 X @,@,(^!@@ I> - + ;K<L a ? ,,
C - D@A+ - +B@ 7@ +@CA - + - +B@ 6A +@D !+ +@ 2
3 + + % ,,@D , - + " 8 @@
= B < (
;K;= 8 \ $ (&) 8;K;P(L<
!@ @,,@, A ?@ . @A EG +B@ A + @ + - ? ,, A ? ,
- >AD A +B@ + ? E@C@D -> A+G -A + B + ;KP<
$ - - $! 0 - 0 LPL *!& & $! *& $($ B
!@ @,,@, !B - + ;KQ2 $!!> $ (0 8;K<M(D
<Q B@ @ @,,@ + - CJ D D> C A. +B@ A+@C ;K<L B A
2 !$. > 5* 0 KM; & 0 + @@ ? EG +B@ @
, +@C C@ @ C B@ - @-C.@ EE + - +B@ >A J@,, E,@ * C.-A
- +B@ %- , >?E @$ @C AD A 2 +B + 0 @,,@ +B@ C A ?@
-C +B@ C-E@ 2 ? + U@A EG % J+ A D - C +B@ ?@ -
+B@ A ?,
!@ @A2 -E 8 ! B -E 2 J JJ,@ -
! 8
1 8)) - * (2 - P K> @C8@2 M @ C
- > @C2 Q @ C@2 >C@2 Q @ CD !@@ , - !
3 F S JC-E >A -AA@ +@D(2 AD 1!
^ #5 8A -C+B @ +@CA(+ B AA@, + -
CCG - - @C , - C - ? BJ - AD 8, + A X@D
;OM= A / > % A. @( ] +GJ@ 8 8
? @D 8 = + 8 = + 8 8 ->+ i
= + +@C(2 B@A @ #5 K DC A - 2 +B
B B C@ -AA@ +@D #52 + +
+ J D + B2 85-C+B@JB-A -,-. G 8 D
6A+ , +B@ SM+B B @ ,G A ,@. - C ? > U@ C@JC@ @A+A.
+B@,@ C, @C A. , - + A 2 $ -C A. , - 5C 2 B 0+
A C+ , +@C - >C @ - C DC A A. ? C BG
, AD AD CCG A. - > C @ +@C A+ - C @C -C
+B@ @ , - +
KcN&R - & $ $ OM ^ OQ D 2 ? P ;8&>E,
$@ # @(&@C D@ @ + > ? C@J C -A 7 ,, C > ? 7 +@C
. A. C > ? @+ !@ @C C > ? -A+C ? J@ +> ? > ? I > @
" > ? EC@a C RN < ^ @@ 2 3 $ A Pa %]M(&!! &&
C$! (<=L ; 5-C !@ @C 2 7 ,,@ - - ? @C B@ 2 / G B@ 2
>++@C %] N 1 0 O;N 3 UGA . - !@ @C - C - DGA.
- , U@ +@C %b] < (. C C3 0 (4 ;;
%% 5 - C U - CGA - +@C - >@C SM - 0 , 0
ONN B - !U C+B - % C, + -A A %,@ @, AD2 +B@,D@ +2 ^JC@ @A+@Da
-C + - JJ A. - +B@ +@C @ @ +B@ 7@ + !B -C+ , ++
cMNN C& 3&!10 SS P #A@ .@A@C , @ @C B B
@@? @+B + -D D@ / V " - , , AD C - ? +B@ B .B " % << , L
=C= !!0 (0 O e OO + B ,, 2 E@ , - C+B@ @ > J @C
- AD D* - AA. + - AG !@ @C + - + U@ > B C @,2
! - ,22 AD 7 @@D 2
$ %0 $;P=K - . & 0(((;KQ B@ .C@ +
CG>@C - 7 B C@2 B B +B@ .C@ + @ @C - GZ EC - U@2 AD
- , +B@ -A+ - ? GA. C - ? - + -A
A C+) AA@, -C -AD> +2 A - > > ,,G
- @C@D AD >AD@C .C - >AD2 -C CCG A. - AD D Y
B C. A. +@ +@C AD +B@ C@ > @ C - ? B - > @
AD + - A & - - & 2 " DC A +BC - >. B
B B ,, -C , C .@ J C+ - +B@ @ .@ - + - A
J @ 2 ? A DC A - ,,@ + A. AD D B C. A. +B@
-A+@A+ - > S , CG DC A %
B@ D@ @,- J ? @A+ - +B @A @4, ;MNN(JC-E D> @ + - +B@
+ +B + +B@ DC A .@ - + - A A@ C + D , C @C B D -?@
>AD@C +B@ -A+C - , +@C - ? ? -A@C - + @ .@ C !@@ +
L : 2 2 ;= 8SM-M(
@ BA ,,G2 T @ @C D + A. > B@D C - ? T DC A+B@
, ++@C E@ A. C@ +C +@D + - B AA@, > @D T -C+B@ / C A .@
- -A@0> ,D A. -A,G -C &C@ ? @ +B A +B@ ?@%>C+ , .@
8 + \ ;0 @+ ; ; 0 e L=Q(
;MNM 0 # 0 : KL 0 ! @@+ DC > .B+ @@+
I> -+B @@+ AU@2 @@+ >C@ SMS - $ -
? 0 ; =OL @ @C +B A +B@ .C - >AD + - C DD@ G +B
SMS 7 < (- ? ? -A AU@ -C @ @C ;MS<
? $ 0 $ S , 2 AD@C B- @5, - - C@2 +B@ - ? ? -A !@ @C
J + J + - +B@ ?@2 , - +B - ?@ +@A B +B + ;MOK
9 @ ? 0 - - 10 LKQ + A - A - G - ?@ GC@2 A -
!@ C@ - C !+ AU@ ;MMQ = . C0 0 L = -A@ B -
, - A . A J- J>, - > % +G J@A+ 2 7 B@C@ " - > @ +B U AD !@ @C@
+AA -G +B@ C@ SM) ' O & % $ =L ! -?@

3@A' @+@'D - @C)' A'+B@'%-??-A !@ @C' $>JO'
' (? 'QO'/C A'-C'!@ @C'D B C. A.'+B@? @, @'
A+-' ' ? ,' C B' SK)' ' !L' & - - (& (2
;LM #J@A' AD'%- @C') @C 'E> ,+' +B A'+B@' $ A@, .B'
[illegible]

E $' %(AD)

[illegible]

' $2((' & - - &''&' 2 'H ,@@/(@7+(4

-?? -A' >@D'+-' 'A>?E@C-' J@C -A' 8B@A @

,,@D' & - - & '&' 2 +' -A ++>+ A.'+B@?'

'+@?J-C CG -BC+' +B' >+B-C+G' -C'+B@C@J C' AD'

? A+@A A @ - ') ,, 2 D+ B@ 2 E AU 2 .>++@C 2

@ @C 2 .-+@ 2 - > @G 2 EC D.@ 2 +C@ ? ' AD' -+B@C

D@@A @'EG+B@@- +'-'+B@ @' AD' ? C B' .C->AD'

,G A.' AD' E@ A.' +B A' +B@ ,?+'- ' ' J@ @D'

D +C +', E,@'+-' A>AD +-A' C-?'+B@ @' -C'C @C '

, -2 +B@ E-DG - ' -?? -A@C' - ' @ @C' -C'

D' +C +' %+' 'E-DG- ' ?>A J ,'- @C'8 E-, B@D'

EG' +' MN \' M;' @+' ' ;LL2 ;K<Q(B-' @C@'

C@ J-A E,@ -C'+B@ -A+C-,'-'+B@ T @ @C' 8 @A @

L(A'+B@%+G'- ' -AD-A' +B@ @ - @C' @C@' C +'

JJ- A+@D' A'J>C > A @ #'+B@ +' ;<%B ' 2 'K

8;NMQ(2 AD' @C@ A @ +@D' +B' +B@'++,@ AD' *>C Y

D +-A'- ' -?? -A@C' - ' @ @C' EG'+B@ +' Q

AA@2 'LO'8;QNK(

[illegible]

E' $2'&' 2 ' C@, +A.'+-'@?Y

E AU?@A+' AD'DC A A.' $) '&' 2 M'+B@

+' OL' "@,,2 2' 2 C@, +A.'+-'+B@ >A.'-

%-?? -A'-'!@ @C' i'C & '&' 2 ' AG'

-'+B@ -CU'- 'D@ @A @ . A +' ,--D'8@. ' ' @ Y

,,2 D+ B2 E AU2 .>++@C2 @7@C2 @+ (+-' B B'

-?? -A'-' @ @C' C@, +@

[illegible]

,6J+' -C' %-?? C -A@C'-'!@ @C'

[illegible]

'$ 0 AD & -1((' 2 $ - '($) .&

" '3 ' ($ ' ('3H!$2' 8 @@ 'E(3-$'(3 $ (

(32$ @ @C C2 +?- JB@C' +' ? S@D

+B' . -C?@D'EG'+B@'D@ @ AJ- C -A' -' @ .@'

@ @C E,--U2 +-A@ C@ EC U > @D -C E> ,D A.'

+B@ ' -'!@ @C' ' @ @C . +@2 ' ,--D. +@

+B@ ? ->+B - ' DC A' -C' +@C - C @' @ @C'

B@ D ,' 8 @@ ') (1!(1(+ (' @ @C'

B>A+@C2 -A@ B- @ C B@' ' @ C @ C C' +2

+B@ EC- A'C +'46) ' ,) - $') +' -??-A' A' @ @C'

AD'DC A

[illegible]

! ? , C' G?m) -? ' ? G' -,,- ' J? -A+A.' EG' C2

+B 'E@ -A @A+C +@D' ;KS=' ' T 'C$.'QO' "@'? >AD@C'

[illegible]

1 '8 (2 (8'-A,G 58 ' 5- ? '

44' = M' @ @C@2 = Q' @ C2 P' @ C@2 @ +@2

P M' @ @C2 M' @C@2 Q' @ C@2 = ' @ @C' ('

B@ @C@2 B- @C2 M Q' B- @C2 ^ JB@+ ' ' 5'

$ &) (%(#5' $ & '+- > @ +-' +2 @ + '

$ (2 $ 3 i' '+-' +' 8 '8I ('

A-+' C@ -CD@D' -' @ C,G' '+B@ JB@+ ' -C?' B@

O -C?' C@ ? , +@D'+-' 2(&2(c) A' +Y

+@AD A+' +' '?@ ' B-' >J@C A+@AD@D'+B@ CC A.@Y

?@A+' -'+B@ + E,@2'+B@ @ + A.'-'+B@ .>@ + 2 AD'+B@

+ +A.' AD' @C A.'-'+B@'D B@

[illegible]

MN']' .&'(SS ';<O' !-?' > B'J, @2 '? G'

!D'7 MC 8 D (2 P K' 5-C? ' = P' - @C2' P'

[illegible]

!@ @C'8 S) < +(2 , -'M'KM C'^' 8 '*) ,a'

' $' 0 -'DC A' 1(

? B'8'+- A2 C- D2 M+ (+B' ' G+@?'

- '@ @C' "@A @!D @C A.' 1!(1(

[illegible]

+'!@ @,C2' 0' 1 0 $ 0' '[8 % 10 H' 0'

-' +' @ @@ +' '?@,

[illegible]

!))C2-E ' -C?'- B

!@ @C .@'8) -C) ('^' 8 ' 1('N' " 7 V

'/C A .@ EG' ?@ A' -' @ @C' ' ?@+B-D -C'

G +@?'-'DC A A.'EG' @ @C

[illegible]

E' CCG A.' G')C@ > @

[illegible]

@ @C'E@,-A. A.'+-' J C+ >, C, - ,+G

[illegible]

K' !@ .@

[illegible]

E' 3-C , +B'MC'.)E .@'

[illegible]

!@ @C A.2 1!(12' @@ 8 '

!@ C@C,@ 2 $0 ^' 8 1@3 N'". V

" A.'A-' @ @C

[illegible]

- @-C J C+?@A+'>@D'1"' ' @ @C

[illegible]

3H.1R+ 5 Q' 6(0(D*-0[

=* D'- ' @ @C

[illegible]

1 /73-'?701'7? C ' 8

[illegible]

!@ A')8C)DA(' 5-C? 'M!> GA.@2 @ A.2

K B@ A2< @ @A2 A2KC @ A' ^#'-E >C@

-C A.' JJ' A-+'7@, B' %' 8 1(6 B

-'+B@ ! ,?-A'+C E@'4 $! 2' ,$-1 ,)' -C &5+(

+B@ E>,, +C->+2 ->AD' A' 7@, B'C @C

[illegible]

1 @ ,=W. /' 700EL* ?701' 7?

[illegible]

!@ A8@?73=' D'?701=7?' 1

1 ,=@(K/' 1!(701=U ' =-E

H KE-'# '=-W K-'# '=7W *K-' '=(W+ K'

&7W- K-8' &7+ K$' '&-W ' '!'=7W K' '

,(=D E -' !'=7W- K'=7- K'#'=-W K'

0?' 6' I.'Q' C !

[illegible]

3 ' W*6' L0-? R-<' W70<' <- 7* K'*6-' J <

[illegible]

-W K'*60-(<' 70' = 4J' =--'#

[illegible]

!'$ 10 (<' &-10" (=' 2 ' 32& .'' ^' -1[

L47+-<' '=-W K'70' '*-(D6 K'=-W K'(=' 2 '

[illegible]

-W K' * * ! (' $ (0? ' 6' ' cU! 6(*

=-W=

[illegible]

!@ A.2' ,G2')(0'?? 8 C' 8 C('

-W2 ?? 1(D4 *E-' 7 6 C 1!0 10 W

[illegible]

"@A @'K@ A.b? B A +

!@ A+2' 73=' ?701' 7? 1

!@ C@C2' 73=' D71L(0(*)-' 7? 8

!@ +2' 73=' ?' 8 ' !@ ,)')(0' ?' 8(([

**D6-<' ?(=*- -<' 3+' 1-(= 7? =-W K' 6-?+'

W*6' L0-? R' (='

[illegible]

!@ A8@b' 73=' ?701=7? 1

!@ C8@2' !@ C A @2' 73=' ?? 8 ' 8

!@ C@2' 73=' ?701' 7? 6 ' 1[(1(

->H *-0' 1 0 -RD' ,0 701=F# '=-W-=*0-'

=*(0-'=7E '=7W-' '=+W =*-0,-'# "'=-W=*-0

'=-W '=7W=*(0-' "'=7W=*-0' '=-E '=-W-'

=-W=*(0' 0?' 6' ' ?' 0 =' <(4'

, <-0477L- /' "

[illegible]

!@ +@2' -E '?' 8 1(!@ G2' -E ' ' 8

!@ GA2' -E 'J 'JJ,@' -'

!@ GC2' 73=' ?701' 7? 8

[illegible]

E ' ,&!! , (-,,- @D' EG' J,>C ,' @CE2' $ (

[illegible]

+D ' 6 @D' &,,$ (+B' @S+@AD@D' A-+-A'

5' @>AA@B ' , -' $,$,$!!"' 8 @@' I>-+

[illegible]

$ ' 5D +B@' @? ,@' @S' ^52' ! ' 5 !H'

$ (

[illegible]

' 7 +B->+' (A' JC@D + @' I> D*' > @' '

@? A A@2' $ 0

[illegible]

/ ' F> ,+G' A' C@ J@ + - ' E@ A.' ? ,@' -C' @? ,@2'

$ 7 +B' C@. CD' +-' J@C -A' -' C A ? ,

[illegible]

7

QL

[illegible]

[illegible]

[illegible]

+B +' !@S .@ ? ,' C + -A ' C@' C@D> 'D' +-'D@ ? ,' % b'
$ $!0' 0' E' (1 (' $ - 1(0 ::: MS' ' + E,@' - '+B@'
I> C@' C- -+ ' - 'A> ? E@C ' C- ?' S' +- ' ;NO2 , >, +@D' +-'+BC@@'
J, @' - ' @S .@ ? ,' C + -A

% ' 1T * 0 !@S .@ ? ,' C + -A ' , -)' +B@'
G +@ , ' - ' @S .@ ? ,' C + -A

O ' 'ON 0 G' +B ' G' - ' 3 >,+ J, + -A'
AD' / -A' A' !@S .@ ? , ' ;M<=' +C' ') ' 'V "'
$ 0 O< B@' %-A @C -A' - ' !@S .@ ? , ' J+- ' / @ ? , '
;QNM O 'R ' "h (C$! - $ 0 $ & ' ' OG' +B ' &C- Y
J- + -A' 5C + -A ' C@' C@D> @D2 A+- ' / @ ? , (!@S .@
? , ' ,0 W_&]' 8 &, 0 $, &' '9#' !@S .@ ? , ' C@'
> B' J, @' - ' 5 .> C@ ' E@,- ' 6 A +G2 +B +' D@ C@ @' A' 'MN 3'
C +@' ' ;KQL' 0' ? 0' &,('OP B@' + E,@' 'JC@J C@D' '
' - c' +BC@@' J, @' - ' @S .@ ? , ' ;<NQ' ' '
PK< S' B@' , ? +@ ' JJ@ C' , -' +-'B @' > @D' 'D@ ? , '
G +@ ?' - 'A- + + -A' A +@ D' - '+B@' O EG, -A A' @S .@ ? , '
&,@A @' ! @S .@ SA ,,G' $ 0 ' A+- ' S+ @+B
SKKK' ' , " ,!0' ? 0' 4 4 '=K< ;' B@' + ,@A+- '+B@' KN .C A'
G +@ ?' ' @S .@ ? ,,G' D D@D' 4<NN 0' #' A0 !@C' S
' O- - ' B@C@' ' A- ' >+ , +G2 -A, G' A@@D,@ ' - ? J,@S +G2 A'
D D A.' ;R- ' C ' @S .@ ? ,,G'

!@S .@ K C @2+S AD W' 1 0) 0' ^ 'A@S+':'
! S+ @+B') C+(2
%M< ' 4 $' ') . ' ,! '4 C *& & ' 'MM
- 'C@D> @' @S .@ ?@' J C+ ' A+-' / @ ? , ' / > D@' +B@' @S '
.@ ?@ ' . >@A' EG' M

' = U $' $ T' 1T ^ D ' ? -D ' 5 3'
- $' 8 ' * $ +(@CA2 - ' 5 ! ') ' -CD A ,'
&%' 5 !% ' 5 " ' ' @S .@ ? ,' C + -A' , -2'
+B@' S+ @+B' J C+' - ' 'D@.C@@2 ' ? A>+@
%b_R' @@' 4' E^ ' $ " $ & ' ' $ ' 0
! ' ;L' B@' D @C2 ' 3 [0 B B' -A @C+@D' A+-'
@S .@ ?@ ' ' ;' .C' - ' ? A 2 - ' !@ ' B GI' R 9 ' 0'
8;M<M(OLL' - ' +>CA' 5$ ' $ ' A+-' A+@.@C 2 -C' / @ ? ,
A+-' 5$ - $ (?>,+ J,G' -A+ A> ,,G' EG' M2 @ @CG' + ?@'
C@ ? - A.' +B@' -A@' J, @a' S ' .O
VK 5-C' + Q2 8E@ > @' +B ' AA-' + EG' @S +,G' @SJC@ @D' A'
!@S .@ ? ('+B@G' ->,D' J>+'K ' C !0' $ ' 0' 4 4 4
=QN B@' / @ , A + -A' - ' ,,'A@@D,@ '8@ J@ ,,G' '+-> B@D' EG'
D @C@A+' 3 .A@+ (' 'D @C@A+' ' @ ' !@S .@W? \'

!@S .# 6' 8 @'U . E(' ^? -D ' 5$? ') - (
' ,+@C + -A' - ' 5$ & ') - ' ' L 7 'EG' >E + +>+ -A'
- ' ' 5' F' S'" -C' +B@' C +' G,, E,@ a' GG' L 7
(M M ') "& ' ' ;;=' - 'A C E@' ' !@S .-A'
+B A' ' C ,@' . > @A' SMKK' (" ' - &) "' + ' S' LQQ O'
' !@S .-A@2 " @S .-A@2 -C' S .-A' ;KQL'T ' 'C$,$
' 2' B@' B +@' @S .-A' - '+B@' + C' - 'O@+B,@B@ ?' .C@ '
? -A. +' +B@' .C @ ' ;<NK' $!"' &' (;< &@B' < M' !A- '
@2 ' @S .-A' B J@

!@S .-A ,'8 @U @.-A ,(2 $0' %0' ? -D ' 5$3'
& ' 3) ' 8 @@' JC@ (a' f' ' L 7 .
S) ! -' +C' & ' $) T' 0' & ' 'QM B@' E@CG,'B ' ' ,@ C'
@S .-A ,' -C ?' ^-C.' ' 5$ & ' $- '% & - $-H(!K 3 L' +C'
C$!!$ > ' $ (8;K;O(:=N<' !@J>, BC ,'E> ,D A. ' - ' ' @S '
-A ,2 B@J+ .-A ,2 -C' - + .-A ,' -C ?' (' $ * ' $ 0
)'> ,G' ;<O' ' & ' 'C@+ >, +@D' @S .-A ,' J ++@CA2 B B' . @'
+B@' >C @' +B@' JJ@ C A @' - 'E@ A.'B- @G - ? E@D'

+' ! @S A. ,@' 1 0' $ 0 0!B0 5$') !) ('=(
5' S' i '$') !) ' .*' 10' % ' 7.
8;PP;(a' 'B@S .-A
%Mb%' : ' B 9 ' * * $> ' ,,0' C !& (' SS 2 OPL'
C A.,@2 I> DC A.,@2 @S A.,@' ^-C,. ' ' 5$ & ') - H' @J+Y
A.,@2 - + A.,@2 AD' +B@' C@ + ' ;Q)' '8 ! 'C &,!) ' :'
&C@ (' O C- > ' -E @C @ 2 BG B->,D' A-+' D1 bN<'
AD' @)DG> - 'E@' C@AD@C@D' I> AI> A.,@' AD' @S A.,@' GL^'
(, ' $ 0' ,0 ' 5$' ! ' ?' @- ?@+CG2 ' .>C@'
B A.'M A.,@ 2 AD' -A @I>@A+,G' M D@' ' , -
! - ' +' ! @X >.,@D' $($ 3 ' ^ +@C', +@' ' 5$')T'
!) H' PPA@S+
;PN<' (M ' C 0' C! $ (' B@' GC@' +- @C 7 '
A,') >+' @S A.,@D' ;QLN + !'8 -, -(2 5 ! 2 '
@- ? @+C A a' B A.' S' A.,@ 2 ' A' +B@' 5 .>C@'
! @S > . > , C' 8 @U @ . .), C(2 $0' 5 D' , +@' '
5$')! 3 (' 5$')!) ' @@' L Q V
" A.' S' A.,@ ' B@S .-A ,
(M ' 8 $ ' * ' 'R]' '2 ' , 2 ' 1 ' ' K $ I
L' / 2 ' -C'

B@' UA- A' 5 .>C@' - ' +C@2 ' ' ! @S A.>, C' &C ?@' KMN'
,0 $ ' ' $ 0 ,' OP B@' O@ -A' ' @S A.> C'
;KKN' < B ' ' 'L=' @@+B' @S A.>, C
! - ' +' ! @ + A) , C,G' $ 0(A' ' @S A.>, C' -C ?'
'* &1')_ !!1& ' $0 K' (% &' $(
$%/ ' ' 9 ' +C' ' , 0) ' &) ' ' ^@D' O(Q '
C ? -A ' ,+' ^D-+B' -C ?' + ' @, a' A' " @S .-A' - ' S' J- A+ 2
' +B@' A-)' D-+B2 B B' ' @S A.>, CG' M (M'
' 5) - ' ' LP' % A @,, +@D' +B' '+,@' I> C@ -A' D @'
+ -J' - ' +B@' E U2 @S A.>, C,G' ;QN4'] ' & ' 0' $ $' ' " 2
e' O ; ;=' / ? -AD ' C@' - +@A' @S A.>, C,G' J- A+@D
-RD- *- (0+' ,=-J \ -. *? 0 /' < 10
^ A' ;2' ' 5, ' ' (< =*0 3E*) - ' & ' 5 ' '
NNN', A' 'O AD' O2 ' L' N' V
B:0
' &@C+ A A.' + -' +B@' A> ? E@C' MNN' ' @@' I> -+
>!! "' # ' B ..' 40 ! +' ' !@S @A+@A CG' E,@' " @SB E +Y
A. 2 +' .B+2 B@' @S >,+' - ' AG' &C-J-C+ -A)' 7 B@C@' +B@'
@C ? ,' D- ' A-+' @S @@D' MNN !@ -AD ' -C' SM 3 A>+@ ' 4K=;'
C ' ' " ' ",!(4 4 2' LON ;' SK3' ' , " ,!0' ? 0' 4 4 ' < ;'
/ ' $ @, + A.' + -' ' J@C -D' - 'MNN' G@ CW
;KM=' - ' ;P' ;>A@' ;; L' B@' @S @A+@A CG' 5@ + , ' - '
3 @C+ -A' %- ,,@ .@2 # S -CD'
10 B@' S B>ADC@D+B' AA @C CG' 8- ' A'
@ @A+(
;KKP' ' , " ,!0' ? 0' 4 ' <K ;' 7 -C +@C' %-6@.@ B '
C@ @A+,G' @,@EC +@D' +B@' @S @A+@A CG' - ' + ' C +' E ? D A.' A'
;OKL' ' , -> @ +@C' " ,; ' ;<N< A((: A' VPN B@' @S '
@A+@A G' - '+B@' E C+B' - ' / ? @

+' ! @S @+ J,M*' $ (^ +C@. ' ' ' 5' S2
+@C' 9 ' $' 0 - ' ? >,+ J,G' EG' S2
;MQ=' * 9 #) '8;M<M(ONN B@' ! I> C@' - ' ;M2 @S > J6D'
AD' ? >,+ J,G@D' EG' +B@' I> C@ - 'K2 ?) @ ' <K2 LN='
! @S@b' -E ' -C ?' - ' ! S
! @S@D' 0 3 .' $0 56' (' 1(' ' ,
' +B@' @ -AD' @,@ ? @A+' - ' ' J C GA+B@+ ' - ? Y
J- > AD' ' &@C+ A A.' + -' -A@' -C' E- +B' - ' +B@' @S@'
8 J@ @D' EG' +B@' JC@ S@D' -CD(
;P<K2;KQL' / ->E,@ @S@D' ^ @@' F ' %' a ' $' ;M;M' + ,9 '
\' 000 &) 'C!$" ' ' ' &' ' 7 U 2 8;M=Q(OQ O @' >J' ?G' .B+2
,@+' A-+' - +' A +>C@' -' +C A -C ?@D' B@' 8 AD' ,- @' B@C' .@A+,@C
@S'D' B>? C>+ @(+-' ? U@' ?@' @@' ?G' ,-CD' E,@@D' ;MO;' :'
8 ! '8 7 +@C' & ( ) * 1 $ ' !$!!) - ' %M2' !B ? @,@ @'
D->E,@' @S D' "@C ? -JBC D +@ 2 C . - ' $- C A.' C,@ ' ;KKL'
: 'C& - ' =' " ' ;=N , 2 +B +' ' B->,D' B @' + -'
+ ' E D' ' + - W@S@D' >J- A' @ C+B
/ ' # ' A' A ? ; -C' J, A+' " A.' @S' A- +'
A@>+@C' -C' @S> ,
S+-S' ') " (
+' ! @S@A CG+' ,T 1 0 $ (^ CC@. ' ' ' 5'
+@C' &! ' f' &!' $0
;KSP' ' B ' $ 0' (' 5 ' $ "' -C' 5) * ! ' ,$! ' - '
- + + -A' ;KM=' O
! @S@AA ' $ ' ^ ' ' 5 ' ' 3 ' 8 ' 5'
S' i '$' ') 'G@ C(i' & ' ' S G@ C -,D' B,D'
! - ' * & ')) 1 E')j' &))!1:L' * & ')) 1 '516 '
"' 1' $! % - ' S' E 1
>! ' 7 ' : ' 0)0' ' OOL' ' ! @S@A CG' ^ 2
%& ' @S@AA CGa' ->A+' - 'O>C ' A' +B@' % +G' - ' S@ @C'
((?!$, . +0' $ 0' 4 ' X K' ! B-, C ?- +,G' I> AI>@AA '
C A 2 -C' + ? - + @S@AA C A ' ;K<N - 'Q' 5@E' B@'
- @CA ? @A+' -A+@ ? J, +@D' +B@' -A -, D + -A' - ' +B@' @S@AY
A CG' E-AD ' 1 0' SM / @ ' P X ' >C+B@C A C@ @' A' +B@'
A G' E@G-AD' +B@', A>+ ' M ' D ? C. ' CJ +X' ' @S@AA +@
! @S@AA ,'8 @U @ ? ,(2 $(^ ' ' 5 ' ' ' -C'
5 ' ') - ' 8 @@' J @ (i' %-A+ A> A.' -C' '
J@C -D' - ' 'G@ C ' - >CC A.' @ @CG' S' G@ C
;M=M : '8 " $ ' ' 0' KS B +' ' A' A., AD' +B@C@'
J +' A' +' -C' ' C @AA ,,' & C, ?@A+2 +B@C@' ? G' J @' A'
C@, AD' A- +B@C' - C ' ! @S@AA ,,' & C, ?@A+' ;MQM' A' $ '
1 0' 8;KP=(L=Q B@' @S@AA ,' C@ D@A @' - ' +B@' C@.@A+'
AD' ? +@C ' -'JA ,- -JB @' A' +B@' -,,@D.@ ' ;Q<N B '
0' 0 LNN 1 - > C' A@ ' -A+C A @' - ' @S@AA ,' @,@ + @'
*>D +-C@ ' (A' - * & ' &!&' $!' &- ' OLN'
B@' C@ @A+' @S@AA ,' J@C -D' 8;K;O ;K;Q(' ;K<N $!"' '
O;' 5@E ' = M' B@' @S@AA ,' E-AD' ,, E@' -A -, D +@D' A'
&@CJ@+> ,' BC@@' J@C' %@A+' $@A+@
" @> @' ! @X@ ,6 6LC' $ (8;KP=' A' 7 @E +@C (
! @S@CA2' C A' - ' L
$O+%' ' ' 9 ' ' $ ' =' $!' ;S=' ' & 0 @CG' @ ' @S'
@ ? ' " C@' A- 'E@ J.'E> ,+
! @S - ,'8 @'U E ,(2 $(1)%' 10 56' ("16 '
%& !(, 'D) %& !(H' B ($ B0' " A.' !&'6 R1 !21! '
;K=K , . - $ ' > ' ! ' ' , (A+C-D'OM' ' ? ,,' @S
. E,@' AD- 2) ; ') ' C & ,(' D0' M / @ ' OM;' B@'
B , @' 'P) ;W A)@'B .B2 +B' ' @S - 6' - - +' ;<NQ 5 '
R ' 0' C!$ ' 0' $ " A+C-D' @S - 6' D@JC@ -A'
X' >J@C @D@D' EG' ' A.,@ C >,' C' D@JC@ -A2
M ' 10 , (1 8%' (' ' (
SMKK (" - & . " ' ' MN " @' E@ C@+B' C.@A+2 '
!@S - , ' -C' ! @ - ,@2 ! E,@' ;KOK)' + ' !' ' ,!0' (
2' 5%& ' -C' %D !(' ' ! (C 2 -C ,- @C2 +B' S' ,@ @ 2
' ,U@' +B@' AI>@ - ; B B' B ' @' ;KP' J ,
$' , ! ' 'KP' 7 +B' ? .@' - ' A.@, ' A' @S - ,
! @S - ,@D' 8 @U - ,D(2 - ' ^ 'JC@ a' f JC@ '
;K=M ,,! &!& ' : M< B@' ,@C@ + -CG' '3 ' DD,@ &- A+@D2
- ' @S - ,@D' C ,@ ' 8 ' $ " - , ' MQ
B@' B .@' +' J C+' - ' B B' ^ AD- a' ' @S - ,@D
! @S A A ? Ab' 0') ,+@C@D' -C ?' - ' # '
5 " ' '))) 8 A,A + +A+' %A>+ 2' , H &(5. ' "'
3 ? ' - $' (L' 5 ') +' , +' S B>ADC@D' ? B_
' +B A@' - ' +B@' ? DD,@' , 2 @ @D' +' MNN' B ,, A.
5>AO # ' $ 2 3 ' I ' ' (B@' ? DD,@' %,
^ @C@a ,>@D' +' ! S' E>AD,@D' !B ,, A. 2 AD' ,,@D' !@S'
B AD ? @A
! @XB - - D' 8 @ U B>D(' ^ ' L' 1(N' ")V
B@' I> , +G' -C' -AD + -A' N;' E@, -A. A.' + -' -A@' -C'
- +B@C' @S' ' + +> ' +B' C@ @C@A @' + -' @S
SKMM ;'O ' / ' 0' Q< 5-C' @ @A' , -A.'G@ C ' + -' '
B A.@D' @SB - - D' E- >AD' K<;' $' , '8%B ' (P 3 C2 -
,+' - ? @A' C- ?' ? @C@' @SB - - D' >J' + - CD' . , -C -> ' - ? 6 '
B - - D
$ 10 S) ' 3 ' & - $ "')%% $ ' ' MO' B@ C' @S'
B - - D' I> , +@ ' - ' C + -A
! @S 2' - ' > ! @D' ' - ? E A A.' -C ?' - ' ' 5'
S ' ! @S D C) *) 8 @@! 4 (' K@ J@D8@'^
- - +a' K \ W ' ! @X ,J -) , ' B A.'
-C' A - , A.' S' ? .A@+ ' J - ,@ ' ! @S G6 B, - 2'
- ' S' G,, E,@ ' - ' ! @S) ' , E,@' ! @S + B@C '
A, 2' ! @S ,@A+' $ B 0]' 5) 1 ,) !$ (5'
$! ' ' 8 @@' L' T !' H E(
SKM- ' 9 ' T 5 % 0' ;K=Q ?!$, . 2 0' $ 0 4 ' _bM
B@' D@, +@' ? -A +@C 2 +B@' ->CG' @S J@D@ 2 +B' B- ?'
GJ@@' AD' B ' - ? C D@ 'B D' +- ' .@' A @ A' C' ;KK<
, &) 0' $ ' >' $! 'C$, . H(,,' +B@' C@ +>C@ '
' @C@' I> DC> J@D ' +B@C@' @C@' A- ' I> A+ J@D' 2 @S J@D 2 -C'
AG +B A.' ' +B + -C' ? -A.' +B@ ? ' ;KPP' ' ! >JJ, 2
T 5 "!!$1! 0'] - ' 0']' &,0 - ')% < ' <b
B@' D@ G,, E ' ! ' +C ? 2 -C +B@' - + - G,, E ' +B') +@ ? +@
@S G,, E 2 -C -+B@C' CBG+B ? ' ' ;KQ=' : ' &' # 9 ' 2'
- 0 O=' B@' ->C') @S ,@A+' + - ? ' - ' >,JB>C' C@' +B@'
@A+C@ ' - ' >E -CD - +@' .C- >J ' -AA@ +@D' +B' +B 'A> ,@>
! @X @C-A '8 @U)C (2 $(?& 0' ^ 2 ' [G '
L' 1(N' "6 X ' O@ C A.' @S> ,' -C. A
3L' ' 5(' $ ' 1 0) ' a]' B@C@'
' +B@A' A- ' > B' +B A.' ' A U@D' @@D2 JC- @@D A.'A- ?' A'
- >,>?' +B' + -C A.' +B +' ' ? J,@2 AD' -A @I>@A+,G'
? ? @D +@,G' @S @C->

! @X ,#4 4 ' ^ ' O$' 5' S2 +@C' - !! & ' (' 1 !Q
! & ' ' / ' $ ((# [% bR A' 7 . 3
- .R K ' 1!0' 1($ 0 0 ?' $' U5 N' C !' +Y
+C E>+ -A' - ' @S
< EI' ' J ' 8 " $ IT CCVC , MT B +' ! ' AD' >AY
-A -> ' ? ++@C' AA- +2 EG' AG' - 'B@C' - ? E A + -A 2' 8 7 BG'
T!' B ' @S+A.' ' ' + - U' C@ @ J+' -C ?G + + -A(
+' ! @S -> 2' $0' '&' , 32 0 ^ ' -C' , & ' (2 ;'
0 i' , -> a' ' ! @ + C A
SP< 3 $ N7 ' $ $, 'C$ \ 0' 8OC- -U@(2 - ' ->@C+BC- '
+B- @' @S -> ' &>C + A
+! @X ? ' 1 ($ V ^ D' #5' 5 - '
8 ? - D' 5 ' +' S+B a' f' L
SMKK ' - &) "' ? 'S 8$ -SE ('QL O ' !@S ?2 '
@ I>@A @' - 'M CD
-R * ' 73=' D' ?70 1' 7?' $
! @S ,@ ' 8 @ U ,@ (2 $(0 ?' $' 0 i' (!'
7 +B->+' @S' , U A.' +B@' B C +@C + ' - ' @S'
@S> ,
%b& ' ^ @@' ! 9 a' G I' :) ' $10' ? '8;QLL(
;; <<2 ' J@C @ +,G' ,+B- @' +B@' .B+' - @' @S,@ ' A ? , '
^*' ' @>A> ? a' ;KPL' T ! : ' ' ' =N 7 B B '
? > +' ,@ @' +- ' E@' >++@C@D' -A,G' EG' +B@' J>C@' , J' - ' @S,@ '
JC@ + ' ;KMP' 3' $ & ' 0 : LQ=' ! - ? @+ ?@ ' +B@' ->,'
J->C+C G@D' ' ' @S,@ ' B ,D2 C A.' - > + - ' +B@' ? - >+B' - ' '
-CJ @' 4<NL' 5 ' 7 ' : " ' A' $ - 10' & 0 0' ' S '
PKL' #A@' C@ D A.' - ' B@C' B C +@C2 AD' J@CB J ' +B@' E@ +2
? U@ ' B@C' B@ C+,@ ' AD' A@ C,G' @S,@
E2' $ 0' 0' f (B '$0 =
% N' ?!$, . 2 0' $ 0' 4 4 'LML' U@' + - ' @S,@ ' E@@ 2 C- ?'
,- @C' +- ' ,- @C2 B@G' AD@C'D' >AC@JC- @D' % b' 8 '
$3 ') 'OKL' B@' A @ +' B B' >@' C- ?' +B@' @..'
^- ' +B@' JB a' ' A.,@ ' @S,@ ' A @ +' % " 8 '
& - ' & %' 0' A+C-D' M O@+ @@A' +B@' @S,@ 2 @? ,@' AD'
B@C? JBC-D +@' + +@ ' - '+B@ @' , ++@C ,- @C 2 +B@' A@ +' .C D Y
+ -A ' ? G' E@' +C @D
" @A @' ! @ X,@ ,G' $ 0(A' ' @S,@ ' ? AA@C'
+B->+' C@ @C@A @' + -' @S' ' ! @S,@ @ 2' E @A @' -'
@S> ,' J- @C' -C' B C +@C +
I'R ' ' 'C& ') % ' 'bM A' 7 , ' '
+C A , + -A2 T AD' 3 CG + > ? D' . A' +-' ' - A' B-> @'
>U@' ' PM2 +B@' ? . A@' J- @ @' JC- A->A' JJ@ C ' +-' E@'
JJ, @D' @S,@ ,G' GE' J ' $ $' , ' ;<=' " @C@2
+B@C@' ' ' ? -C . ' @S,@ A@ 2 ' U AD' - ' ? J- +@A @' ' L'
3' $ ' J ' A' $ "' &!! & ' , $% > ' & ' 0
&C@ ' OL' B@' A@ ' B ?' @S,@ A@ ' - '@? A J + -A
i' ! @ [,) 2' $(1 0' $ YH ^ ' $' 10 i' (' 2a'
%B C +@C + ' - ' -A@' ' @S
;MN[' F ' . U ' * (&' !$ 'C$! 0' LN - ' 'L' E2 !B->,D' '
C E@' AG' - '+B@ @' +B A. ' A+- ' ?G' @, @-C ? G' @S,G' @ U@'
A@ @2 ;' @C@' A- +' -C+BG' +- ' ">@
! @X J C+ +@' 8 @U J + +(_' $(^ D' ? -D
5* $ 3 - ' ' @@' L' " AD' ' a' / D@D'
A+- ' -C' -A + A. ' - ' S' J C+
Q) ' : ' ' ' & 0' ? & (' S 2 L< A' C@ J@ +' + -'
+B@C' >? E@C' +B@' ! + . ? ' ? G' E@' ! @SJ C+ +@2 D D@D' A+-'
S' & C+ ' \GG^R' R 9 ' ? 'C!$ ' ' OL=' B@' >J'
? -B-JEG, , - > 2 @S J C+ +@2 ? *) >, +' ;KLN' O M '
0' & '#R ' C- - ' -A + A. ' - ' S' @,,)' B B' ? G'
E@' ,,@D2 +B@C@ -C@2 @SJ C+ +@)' ;K=<' , 0' LMQ
B@' >,+ A' ' > > > ,, D C J C+ +@2 E>+' - ?@+ ?@' @S'
J C+ +@
! @X +2' -E ' OAD' A.' AD' JC@ 2 - '
? 5 '=E 1 ' 73=' ?70 1' 7?' $ 2
! @X +' 8 @U +(' , -'P @S+@2 " 5 (^ A' @A @ 2'
D' ' 5 $' 8 ' $' B->C(2 @ ?' - ' 5!) (-CD A ,
- ' 5' ! S' A') A @' O2 D' ' 5!) ' 8 ' 1 ! '
E - - U(' A' @A @' L2 D' ' 5 $' 8 ' * $ ' J C+ ('
% ' 5' 5 (' 5 $(5 H
' ? (B@' +B CD' - ' +B@' ,@ @C' A-A ,' B->C '
- ' ,,@D' E@ > @' E@, -A. A.' - C.' + -' +B@ @C' S+B' B->C'
- ' +B@' D G' 8 ? DD G(' , - 2' 8 ' (D
' ' 2 ' 1 ' ± 2 ' ' : !' ' !$
>a]Nb 0' ! (&%' * $!1 , . A' ' ! $' 2' %G 0' ++@' '
D@ @' - >C@2 AD2 ' ? @' ? @A B2 EG+ +S' @S+@' \' A- -A' O==M
! ' $! 'C& - ' ;' L=0 !G.AG A.@' ,,' +B@' +GD@ 2
' 7 E@ B' +B +' E >@' E@' C- ' + @C @' A+- ' GS+' 0=K;' #
" ' $ ' 8 CE (X-2 ' , A- ' .- ' -C+B2 -C ;' E >@' G@+@'
' G@' ?G' @S+@2 A-A@2 AD' ? GA' @>@A -A.@' ;POM' C ! 0'
C %0' 8 7 ' D@' 7 ' ;PL;(;M=' E2 ,,' +B@' @C>G@@' - ' . -D' \'
B->C@' A-A ' 2 ? +GA 2 JCG ? @2 + @C @2 @S+2 A-A@2
@>@A -A.@' \ ' - ? J,GA' \G :' # ' $ .0' 0' ' (
O#' @C @2 ! @S+2 AD' -A@2 E@. A' +B'C$ ('P , 0 ;KNP
' ? $!!$ ' =' ' 0' &- @+' 7 U ' ' %%' ' ' ' +B@'
B->C ' - ' A- -A AD' +B@' @S+' 'C@' E@.>A' 4KQQ' ;' / '
" ' 0' & ' * ' %&b# A' B' 7 @DA@ D G2 +@C' ! @S+'
+B@C@' ? .B+' E@' ' ! @C ? -A' SK)' # ' O M' 0' '
OK #A' ! >AD G ' AD' @? D->E,@' +' A -,A' @C @' '
-,,- @D' EG' " .B' 3 ' AD' ! @S+' AD' -A@' +B@A' @C@' >A.'
+@C' +B@' 3
/ ' ? 0 B@' S+B' E- - U' DD@D' + -' +B@' / @ C@+ , '
EG' &- J@' O-A @'
;MLM ?' . B ' <!& & 0 % < $ 0 '8;K<Q(;;P ;'
' +B@ @' @ ' - ,,@ + -A] A ? @,G2 +B@' / @ C@+ , ' 2 +B@' ! @S+2
+B@' %,@ ? @A+ A@ 2 +B@' @S S+C . A+' - ' ;-BA' 4 4 2' AD' +B@'
S+C . A+ ' % - ? ? -A] +B@' '%-CJ> ' ;>C ' ,@ + '
? D@' >J
') (' A' A+@C ,' - ' ' S+B2 E ' A' - C. A'
+ -J' - ' ' S' C AU ' - ' J J@ ' B A.' A' A+@C ,' - ' '
S+B' E@+ @@A' +B@ ?
% _M ' \' ') 0' - (5 (+B@'
A ? @ - ' A' - C. A' + -J' - '+ -' C AU 2 B A.' +B@' A+@C ,' - ' '
S+B' E@+ @@A' +B@ ? 2 A ? @,G2 ' + @, +B' AD' + @C @'
-R * ' 73=' ?70 1' 7?' $
! @X + A' 8 @' U +) A(' $ 0 , -' Q' @ + A'
^ ' ,+@C + -A' - ' -E ' 5 ' ' (+@C' D) $ $' '
5$ ' 0 ' K'
EL' F , " " ' ' (M ' & ' 0' 2 0 ?('% &' ' 7 U ')%_%%.'
NNM (/ / ' / 4 ' ' " 3 ?
2 "/

7R*?* 0 '!2 . ' 51%' / %C')- $"'0 2'

6) ! '6 A .'6"C')- . '!& @J '? ' a !40

)1 !)4'1'6 A ' 6' @!2@' @'$1 &E / ' 2 ' A E'

6 @0122 %!)4' ' :%' 23)!)4" A E' !& @.'%1E

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')' 1) / !21:' !) /)' / :!)4' 1'

X 1% 1) "6)! @ %' ! @'1'4 1% 1 %'1 2' X 1:' '

1' !& @' $1 ' 6'1' 2! 2: ' %'6 ' / 1 !)4'1)4 :1 '

%! 1)2 ')' 8 2 ' $'6 ' A!)4' 1: !0

% ' 6' 2 : !1:' 8 2 ' !)' 1 2 1!)!)4' :1 ! %'

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'E1) ,12@' 6' 1' 4 $' 6' !&' 4/) 2 :: L'

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-R*(*(4'0 3' % '1 1:" ' 56' ,9)- "'0 '

$ 2.' ; 0' 1!)!)4' ' ' 1 %')' @'

1)2!)' /1)')- "'0 '$ 2'!.

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Z)- $! .)- ? " ! ' "

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')'1)2!)' / 1)' :!X / %' / 1 ' 2) 1!)!)4'

@' !& @' $1 6' 1' % ' : %': :E#'

,-,M '*, -6!M

0 6' 'A &'D"2

!@S+@2' !@S+@A2' -E ' -C? ' - ' (#" (

!@S+@AD2' -E '*2' -C?' - ' (#?

('8 @U +XcA(' , - 0' ^ ' 5 $' ' S+B'

@ ,=,D '' (

M &) ' '6 /' 6' (

+!@S+@CA ' ,0' 1 0' I1 !1)' 6' ' &

!@ C+MC ')'8 @U +D A(^ D' ?@D ' 5 -)-

* & ' 1 ' '$!' 6' ' & '

!@S+@ 2' -E 'J' -C?' -

('8 @U +@'+(' , -' @++' ^ ,+@C + -A' -

' M' ' '

!@S+@++- ' : 1 !)' - ' ' '' 26' $ 2

M< Q - ' -?E A A.' -C?' - ' 5)'

('8 @ U + U(2'$0 AD' 10' $ 0' ^' ' 5)'

!@S+ @A@2' '6 /' 6' (

'!@S+ @ 2'A1 !1)' 6' ' &'

('8 @ U +- ,2 ,(2'$0 AD' 10' , - Q' ,8,

@ +,=,M@ +,5 ! '8 A'

/' ' !& @'6 /' E'1',)

@R .4 (' $0' 1 0' $ 0' 56' C' 5 !

! @S+ , - A'0 3 !%E). ' 0' 51%'G' 53'

-@' !& @' $ ' 6' 1' / !::!)'%) %' E' !' 6 :0

: %' E' '2E$@ ' <)' / !21)' 06 :: !)4' @'

:1 'G .' ' @' A) @' $ ' 6' 1' @ 1)%'

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-R* .4 7 *4'$0'1)%' 10' 0!)' 2)'a! .

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' $ & ')'!)A1 !1)' $6' @' !& @' % 4

!D S+ J,G2' 1($ 0 ^ D' ?@D

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5)' !& @J 26' ' & " 2 D -@'% !4)1!)' 6'

@' !N' 6'1' 3' ' 6' @'$14 ' 6'1' 3' !)'

@!2@' 12@' : 16'! ') !& @' 6'1' @

' ("# ' 8%' (o 2

!@S+ -,@'8 @ U +- :( ) 0' , -'8& @+ (' @

!@ C, ->',=-J=*(/' 701=-C'# '=-K-0=*7 -'

=-K-0=*7 ' ! =-KK-0=*7 0' '=(K(0 '=(D(0=*7

!' ((K-0=*7 ' ' =-D0 =*-+ ' (' $7E

=- +0=*-+ ' =-70 ' =-70('=- 0-=*(' !' #

<-J-=*-+ ' # '=-R*-+F , 7 ,# -+- -'

. -- 'D-R*-+ 7' '7+R*- '=- R*- /'

-R*(+ ,- - ' !'=-R*- ' ' -R,-/=*-

+cG 4$

@S+ A@2Q A@2 A2 A2 S@+@@A@(2M @S+-A
M S+@A2Q S+-A ^ 5 .$ (f #5
'(, '(3 '(@+ 8 B@A @ ?@D
$') +(@? J-JA, C D ?@D $, $'-
& ' 8- B B+B -CD D->E,@+(B@
+C G,, E 8 AD ++ -C? C@ ,?- + @A+C@,G
-A A@D +- A-C+B@CA +@S+ +B@ @ C,G I>-+
! & '
%$ B>C B - @C B A. +B@ C@ - +B@ EC
- 8 AC B AD + -A+@A+ 2 AD +B@ D>+@ -
C A. A. +B@ E@,, AD D . . A. .C @
A @ C,G > @ - +@A b +B@ C + A A C@, . -> B-> @2
+B@DC ,2 @+ 2 B A. B C.@ - +B@ @ +?@A+ 2 C@D
@ @, 2C@, 2 AD +B@ U@ A J-J>, C > @ C-? +B@ M+B
> > ,,G b E@,6C A.@C AD .C @ D . .@C
;SLLN &!! & %C$! 0 O@A@ @ JJ>C+@A A+X ,
!@.@C + A@ D' @C U2a ;L<; - (*&' 8!>C+@@ (
S - A , C - :-B AA !@.@C + A@ ?>AD A+ @ ,@ ? A
,@ D-C@ @*> D@?2 +@? J C @+@ @+ @A@ +C +C@ @*> D@?
> ! $!! " 1 " (8& $ # (2 B@ @I>@ +@CA +B +
B D +B@ U@J A. - , +B@ @ D -J@ ;P=M & . ($' "
) V 8!>C+@@ (LPL 1@C, @ +- +B@ @.@X + A@ = $ @)@C :
AD E@ ? A2 * *)) 1 0 PLN A +B@ D@ -,,@. +@
B>C B@ E@@ - @C @.@C -A ;MLQ) , 2(,,0 3
' " @+ 8!>C+@@ (;NN 5-C +B@ @. .@C +-A2 L
! c)) $- *& 0 8!>C+@@ (OKN O@ A.2 . C +-A -
+B@ ?@ B>C B ON G@C@ +-. +B@C ;P<O) , 20 ,,(

[illegible]

&:

A @ + J- @ - E>CG A. ? ,, I> DC>J@D 2 B > @D
+B@?'+- E@ A ?@D !@S+-A2 -C O>CG A. O@@+,@ ;KP=
) !@+ $'0 $ 0 0 ;<P !@S+-A O@@+,@ 8O, J D @(
O OO =) ' 8) & ' (S,2 B + -C? ,U@
+BC@ D - - @ 8- DG A. -? Aa ?@ >J +- B ? + ,,
C-? @S+-A D@J+B
! @S+-A G 0 '3) !. '&', Y2 (56 (
KZD @ &) @!$
;KL; F . . ,0 8;KPQ(OKK 7B ,@ >,@A J @.@,
B@,D +B !@S+-A G
! @S+->@ 0 '3) . : & E)
&) 56 (;'] D 6 /1: &)
0 12 ! 1).
, ;=ON &'0 !& 0 OK=L J@ @S +@A@ C-A. UZ E@,,@ U-
,,@ E->)+@ , 4=PN A >A. @C "&' 8;K=N(LNM B@ @S
+@GA@ B , -CD@GA@ E@ -C@ +B@ JC- @ -A +B@ B@C@ +B
GC@ A@ @ @C+B@2 AD +BG B@C@ B@ B , @,+@ -C+B@ +
+B@D-C@ CC 4=PN 17 3 % 0 < !1
U@ @S+@A@ @2C A. +- ? +@GA ;KOM 3 = 6 !!$
!@C A ;;Q " @ @ @A D>. .C @ -C +B@ @S+-A@ 2 A -,D
-? A - @ .B+G $ &A ' &0 (!@C A
)* 0 + C@ B'D > B J B + +B@ @S+-A@ B +@A'D
+- +>CA -A +B@ . SKKK B 7 2 ! < 0 '
L<Q $@E@ 8+B@ D@ C -,D @S+-A@ - ! 3 CG (
+ !D S+->CGV 1 0 $ j 0 A &) E ^
L "$"" V G L 1!
$/J/) S OPN O " @ C@+ GA@D
+- BG? @, @ E>+ ? ,, ,G>@A.2 AD +B + +B@ @S+@ACG

[illegible]

+cGSPO >'G c$

(8 @ U + J( ) 0 ^ 5 5)& (
S2 +@C C B B A(0 *)& 0H @ L
;KO= 0) $;K= C AD !@S+>-C2 -C & A-Y
-C+@ ;KO< : : -> 0 -) 0(& -C 530
3 -X C+' @S+>-C A / -A :> A ;KQM \
0) 0 - (5)& (-?J- + -A A S
J C+
A $) 0 1 0 ^?-D 2 A@>+ J -
5)*!) @@ A@S+ a !@@ I>-+ 8 L B1.
L(
> "! = (' & 0) 0 LO 7@@ ,, +B + @S+>J, 2
B@C@ @@ ? U@ S@ E, U ? AG?@ +- +B@ @? EC @ @
(8 @ U + bJ',(2 $0 AD 10 ^ D ?@D
+GJ@ T 5)*!) (5 S2 +@C , +@ D) ')*!) (
*)*) @@ C B B1. ! 1 B1. % 5 53
)*! (!J 2 &. 5)*! (+)*!&!H & B0
: ! S -,D S + ?@ .C@ + -C A>?@C->
-A + A. - S J C+ -C +B A.
A%A% "! $ W ;KM % > @ -?@ B , @ D-X@A & J@ +-
E@ ? D@ +B A.,@2D->E,@2 AD - -A +- !@S+>J,@
O-C@ ;M=M 8 C) 0 *0 2 ,- B@ JC-Y
J-C+ -A - ? A2 B- @ ,@A.+B @S+>J,@ >A+- A EC@ D+B
$ S 7G C&!0 0 8) (M O>+ B + @SJ-C+@D
->+ - " -,, AD A+- A., AD -C+B +BC@@ 3 ,, -A AD
B + @SJ-C+@D +B@A @ A+- ,, +B@ 7 -C,D E@ D@ 2 !@SY
+>J,@ +- +B@ ?@ $> & ' . $ $!0 &)1! $

[illegible]

+ ! @ ! +A J ,G 2 0 ,& $ 2 0 . 0 $ 0 %
L 1 I 0 ^ 5) *! ,$ 5) *! ,YB
3* E 5 @@ L B1. L a ' 0 - ? U@ C@Y
*- AD@C +- I > A+AJ, + -A

: ! ,0) ,0 0 0 8! " ! (=MQ F > A+>
J,G@ B 3 *@ + @ D - +@2 +B + !@S+>J,G@ ! C @-
3 :%@AX 2 +B + ^@+ a

-R* L4+ 0 B3 !#$:!. $ 0 ^ $ 8 : ($0 i
CZ D <) 1 !&6 :% / 1))

;KQL = L 8 . . ! , 0 $ '0 ;QP A +B@ @S+>J G
-AA@ +@D) C - +B@ JB@C , >C @

-RE(4 8 @ U J2 $0 , - Q , , ^ , +@
5 - !3 8 +, (2 2 5)3 L % 9 5) !
8;K+B (2 ! J 2 &. 5) $!0 + $! 0!
: # -C J@C+ A A. +- @S -C +B@ ++C E>+@ - E@ A.
@ +B@C ? ,@ -C @ ? ,@ @S + A. -C JC@D +@D +B
C@. CD +- @S

;MP; 77 2 0 9 B@ ?@ ? J,@C-++@+E* AD
B A.@D A+- , ++,@ A ? ,!G +B@ @ C) - E-+B !@S@ 2 B B
+C>,G ->,D A-+ - ? @%- J @ +B- @ ?,@ B D ,C@ DG
@S -C @S> ,, J- @C +B A +B@ ? +C+!- B 0 ' & 0 ? & (
8;QQM(&C@ < B@ " -A->C- B A. C + > . . @ +@D +B@ +C>@
@S> , / + A + -A A &, A+ JJ@ C +- E@D>@+- ! C B- ?
3 ,, A.+-A ;Q<) B . 3 2 $E 000) # A@ -A,G
A.,@ @S> , J C - @ @CG) M @ - , (. +B A. 4KNL
) . 0 8;KP<(=M ; / @,JB A@ D +- E@ AY
+@AD@D -C +B@ >+B -C@ 2 3 D) @ D@ @CA-A 8EG
, . B+ @S> , ? @+ ? -CJB- (-C ,,@GC AD +) =
& - B ' 0 C !&!0 O=< 7 @ A G + U@2 EG G - ,,> +C Y
+ -A2 +B@ I >@ + -A - . @AD@C 7 B + +B@ ->C @ -
+B@ @S> , C@, + -A - A->A 2 KQQ ' BL. ' $ 0 ' 0
' % ' 0 K; B@ @ @S+C@ ? @,G ? J,G -C. A ? B @ A-+
G@+ C@ B@D +B@ + . @ - @S>) D @C@A+ + -A

; &@C+ A A. +- @S -A @CA@D A .@A@C + -A
-C A +B@ JC- @ @ -AA@ +@D +B +B

5) $! ' ,&) -J>, + -A

;Q<< 0 " ' !(LOL B@ + - @S> , A+@C ->C @
;KNL 1 0 4 PN< ! @S> , >A + -A ? J C@D SK ? !&, . 2 0
$ 0 4 OKO ; ! - ? @ -A@ B D +B + ! C 8 @-C.@ +B@C@.@
+B@ C + B- ->AD@D - ? @DG E C@ @D,G >J-A +B@
@S> , J -A ;KOW : , 1 ' & - &!0 LL= +
? - + JC-E E,G -C @S> , J>CJ- @ 2 & > ,
' $ 0 M<P ; 7 @ C@ A , A@D +- ++C E>+@ @CG , ++,@
@ . B+ +- +B@ A +>C@ - +B@ @S> , D@ C@ - +B@ ? , -C ? @D
AD D> , SKMS &E 0 7 U 8O-BA(
;LL - A >C@ +B@ @S +@A @ - +B@ C @2 B@ ^ +>C@a C@ AY
-C @ +B@ @S> , A + A + ;KML I (. ' $!0
&) D $ 0 ;KL B@ -S> ? J>, @ ;KQM 8
& " = C $, 0 0 4 N N+ LO< + ^ A@a B J@ ,
-AA@ + -A +B +B@ J@C -D - D@ @,-J ? @A+ AD ? +>C + -A
- +B@ @S> , >A + -A S +K- ? & 0 ONM - @S> ,
-C. A C@ UA- A ^ A O) #+-JBG+@ a2 AD B@+B@C +B@ @S> ,
+ - >C & A-+ - ? @ B + D->E+ >,

E 5 $!& $ ' (+B@ -C. A # @S> , .@A@C Y
+ -A A A ? , &5 J, A+

S! ! ! - 0 $ 0 0 (, ' 7 -C ? +B +B@
@S> , -C. A @J C +@ SKMS : $ F; $ ' 0 ' - 0
V ' P % ! ' 0 Q= +B@ JC-D> A. S- - D J- @ @S> ,
-C. A $ A S $, > ? & T OO= B@ ? -CJB-, - . ,
B C +@C - +B@ @S> , -C. A

% # -C J@C+ A A. +- +B@ -C. A - @S
4KLM < & > " , !0 ' $ (M<P ; A ++@ ? J+ A. +-
D@+@C ? A@ +B@ +C>@ @S A > B D->E+ >, A + A @ - @S> ,
-C ? + -A 5 " (&,(5 0(5) $! $ D @ @
- +B@ @S> , -C. A

D 5) $! " - 8-C - & (+B@ AA @ A
, + -A - J, J+ 2 E @D -A +B@ D @C@A @ A
+B@ C !@S> , -C. A + -A

A [QLP AA @> =? 1!0 ? & (` @D ;Q=Q2 J M=(B " - $
5) $! C@ @CC@D +- 4QL;
4QMN : <> ' & 0 8;QQM(&C@ M / C AA @>
B- @ E->C > D B- @ A @A+ -A - +B@ !@S> , !G +@ ?
;;; J ? '+ >, C2 C@ @,+ UA- A ;KOP : 8 . . &!3
LPO B@ B@CE @-> -,,@ + -A ,, E@ CC A.@D
-CD A. +- +B@ @S> , G +@ ? - AA @>

$@, + @ +- +B@ JBG , A+@C ->C @ E@+ @@A
+B@ @S@ % +B@ .C + A + -A - @S> , JJ@+ +@ 2

5) $! - & $! " E " 5, (@+
$ > < .) C - 0 & - + O !@S> , C ? +G @S +
? -A. B A 2 -A,G A A CC- ? @ >C@2 SJSS & ' - *0
0 !@J+ LKL O@C, A ->+E DD A. & C A + @S> , ?
C -C ? +G

A ? , AD J, A+ " A. @S @S@D
@J C +@D A+- + - @S@K: B A. @S> , -C. A :
JC-D> A. - JC A. EG ? @ A - !@S> , -A.C@
8#JJ- @D +- $ 5) $!(+

;KLN) . $ 0 " 0 ? & (A+C-D SK &, A+ C@ A +>CY
,,G AD JC ? C ,G D D@D A+- + - .C@ + D -B 2 ,,@D
!@S> , AD @S> , KM] > Y &) ' 3 $ ' & ' 2 (
LO< B@ A. > +>, ? C@ + C + @ " > , B@G J 2
A+- +B@ E-D @ +B@ ? C 2 B@C@ +B@G - ? J,@+@
+B@ C D@ @,-J ? @A+2 AD E@ - ? @ @S> , SKK- ? & (
LM; B@G >, C %CGJ+- . ? a JC@ @A+ A ,+@CA + -A
- @S> ,) AD @S> , .@A@C D-A ;KKO S $, > ? & (
OQL + -A,G +- CD +B@ ,- @ - 8E@ J@C -D - . C- +B +B +
@S> , AD D> , ? U@ +B) JJ) A-@

E 5) $! , !!(C@JC-D> + @ @,, B B @ +B@C
? ,@ -C @ ? ,@ P J@C ? @,, -C A @. . @,,

SKMK # : ' - 0 = C 0 S O ! - ? @ +C , A. J@ >Y
, C +G 2 +C A ? ++@D +BC->.B +B@ ? ,@ -C @ ? ,@ @S> ,
@,, 4KKL 3 . 7 +C $, . !> C $ ' (@+ O=O
B + E,@AD A. - +B@ + - U AD - @S> , @,, +B + +B@
-,@ @ @A+ , A @S> , C@JC-D> + -A

C@JC-D> + -A A A ? >, -C J, A+ U A.
J, @ EG ? @ A - +B@ -A.C@ - +B@ + - @S@
#JJ- @D +- $ 5) $! &5 $ $ - ,(

KQO " % 9) 3 2 0 ! $ E 0 0 ;NN B@ JC-J . Y
+ -A ,) +, AD A-A @S>) SKK+ S $, ? & (
%+ > . > -A +B@ ? J,@ + -C ? - @S> , C@JC-D> + -A
# %B C +@C + - -C J@ >, C +- +B@ -A@ @S -C
+B@ -+B@C

,& ' $ " 5) $! , $ $, +B- @ ? CU - @S 8@ .
+B@ E@ CD +A ? A2 +B@ D + A + @ J,> ? .@ A E CD (B B
C@ A-+ ? ? @D +@,G -AA@ +@D +B +B@ C@JC-D> + @
+C> +>C@

;KSP * & ' $ 0 4 Q= " @C) , - - U 22 B@C +>CA 2 B@C
B-,@ ? AA@C - J@ U A. AD + A. @S> , ;KOM
: , 1 ' & - &!0 L;M # ,, +B@ -C. A - +B@
B@ D2 A-A@ @@ ? - , ++,@ >E*@ + +- @S> , C + -A +B@
>AD@C * ;KL< F#B , &!!0 $. 7 U ;KM
ON= - A. C +2 EG B@C @S> , @A @ - E@ >+G2 >J-A B
? , >, A@ > +@C +G +B- @ . C @ 2 B B ^@+ a

1A!) 4 6) 2 @ &

;KQ< 0 < & $ & * 0 * 0 4 _%& B@ (! I
$

* 1 1 : ! / 0 B3 !#1:!N / . 56 ($0 ;
<*WD * & 1:! E 1 1 $!) 2!$: 6 12 !)
@ 4@

;KPQ ? !$, . 0 $ 0 4 4 4 QP; ! 2 ? - + > @ >,
AD J-J>, C +B@ . -D - C@JC-D> + -A AD @S> , ?
;KMQ & ' - * ((;KQ %@ - A. - 6 @C DC @ B
? +@C2 / A+@2 A+- +B@ +C A. @ + D@ @,-J ? @A+2 C@ > A. +-
@@ AG+B A. A B ? @ ? @C@+G) -C+ - C+ + @S> ,)

* & 1 : ! 0 B3 ! 1:! . $ 0 51% / % C
5) ! $ 0C!)) 1 ! . 9 6 5) !3 M (
C i ! 2a 1 K) @ 1 ! & 1:! E 2 0
1!) 41) ! /) 1%@) 6 @ & 1:
E / 6 1) !21: 2:1 !6!21 !)

$>0+ 9 . . C !& 0 $ 0 0 O=M " @C@2 +B@A2
+B@ A ,- . G +- J AD2 A +@ D - EC A. A. D +- +B@ @S
> , +2 - J@C +@ J- @C >,,G . A + B ->C +@ BGJ - +B@
;KL<) . ' & (? & 0 OM; + D >, + -C
@S> , + +- E@, @ @ +B + J, A+ - - , C. @ X@ @C@
D@ + +>+@ - > B -C. A ^- @ >AD + -Aa

* & 1 : ! E 0 3 ! 1 %! !. 51% / % C T 5) 3
! $ J $ 8 (1 1) % " 6 G 5) $! !(W
-@ X 1:! E 6 !) 4 & 1: @1A!) 4 &

$ SK- - %- & $. 0 8;KLM(LON + -A +B@ C @S> ,UG
+B + E@ B E> ,+B J-@ ? 8 - @ - +B@ &, A+ a2 ;KOM :
, 1 ' & - & LOP B@ -AD@C >, D @C +G - -C ?
+- B B ? @C@ @S>) +G . @ C @ ? -A. + > @ + \ ;KKO =
? 0 . 3 2 0 5) ML C. @C -@A-E 2 +B
D > . B+@C @A-E @A ,- @D +B A +B@ ? -+B@C2 @ -, @D
+B- >+ @S> , +G

X .

SKKK ?) , . > $ ' 1 . 0 0 , 0 2 =LM O -CD A. +-
+C + E -,- . , D@ A + -A @S> , +G +B@ %B C +@C +
- +B@ ? ,@ AD @ ? ,@ C@JC-D> + @ @,@ ? @A+ 8. @A-E, + (2
AD @S M +B@ AD D> , A B B +B@ C@JC-D> + @ @,@ ? @A+
C @ ? A B @S2 J@C ? +-X- -A @S> , +G

!) 6 & 1: $ 21$1 !:! E 6
& 1: 6 :!) 4

K] >0 #K B 0 6 & ' 0 SS 8;K! <(OOL A C@ ? -
A. +B@ - C @ 2 G->D- A-+ A@ @ C ,G D@ +C-G @S> , +G A
- ? A 2;K<< !!1) > " 0 0 ;<; &C@ - ->
@S> , +G2 A+@C @C@ +B A-C ? , ? @A+ , . C- +B

2 4) ! !) 6 $ 22 $1 !) ! @ @1 !
& 1:L * 0 = ' & ' , 3) + (1:: !) & 1: / 1

;K=K : 7 . $ H H(& C D @ AD E@,, . C- ,G
? +@C , 3 B- ? @+ 2 +B->+ +B@ B-A@ + +B-C->. B . - A.
@S> , +G2 B B G->+B->. B+ ? D@ B A-+ -A , - . + D AD
-A +@A+ ;) L % . V ' &1 , . 5 0 ;LQ 6 AD@C
+B@ >A +@ DG A J C + -A - , -B-,2 +B@C@ C>D@ AD
>JC- C -> E , A. - ? > E ,, D ++ @ AD B> U, A.
@S> , + @ @C@ +- @D +- AD C-

! $$ 1 1) 2 %! !) 2 !A 6 &

;<NK ! ! 0 ' , 0 C $! ' O<^ B@ + C+@
J, I >@ a - @C , C. @) C @+G - +GJ@ C- ? +B@ - C @ +
@S . . @C + -A - @S> , +G +- B . B,G -A @A+ -A , @D -CA

* & 1 : !N 0 '3 !N 1 !N. 0 56 ($0
!N , D $ ' 0 - / 13 & 1:) % ! @ &
1 ! &

;KL< ? !$, . 2 0 $ 0 4 =MO O B@ 5C@A B ^, A. > . @_
B A- C@ ->C @ -C @,@ + A. + D + -A B@ A. ,@ ? Y
-C+>A@ - B A. A- A@>+@C . @AD@C2 EG !@S> , A. A ,,
@ 2 A@>+C , @ +B@ @ @ + ;KQM -) 0 C !& 0
! 0 L; B@ EC . B+ D A +G - " @ @A ? G B @ E@@A
@S> , X@D AD ? CC @D +- . -DD@ - " @ @A E@ -C@ ^@+ a
[<NN I 5 [9 5Y C " (& 0 0) > $ ' !0 ? $ >
- $ ' , ;# @A A +B@ @ - A ? , +B@ @S> , C A. 2 +
? G - ,, +2 - +B@ @AD A. 3 ' AD EG A- ? @ A
- ? J,@+@

* & 1 : : E 0 '3 ! 1::. $ 0%0 56 ($(
CZ D 1 <) 1 & 1: / 1! / L E / 1) 6 & 1:
2) 4 " [! @ $ 2 &

;MPP A " C+, E %0 & - - & ' 2 0 ? O; B@ @ 7 -C ? @
@A. @AD@C W@S> G ' BL. X 4 0 & . ' ' KM
7 B@+B@C @ -A D@C +B@ C@JC-D> + -A - -+. A E@ .
+B@G + U@ J, @ @S> ,,G -C +B@G ? G+ U@ J, @ @S> ,,G
;KQK . . +C < ' 1$) C & - *0 ' $ 0 ;L; B@ @ C@
D@ @,-J@D A+- +B@ @S> ,,G ? +>C@ -C ?

* & 1: 4E 0 3 !# ': %8!. $ 0 56C (
1 ; CK*- D -@ 2!) 2 6 & 1: :1 !)) 2
& 1: '4!21: $((6 :) 4!) 4 & !1: 4E

XKKW 9 O , & % 0 S 8;KKK(LQ; -+
>A+ , @ B @ ? J,@ + + + ,, + E@ J- E,@ +- , G +B@
->AD + -A - C@ , @A @ - @S> , - . G 1 (L) B@
B-,@ I >@ + -A - @- 3 ,+B> A ? C >. B+ +B ? Y
? @A @ - , AD @S> , - . . . , D >,+ @

* &) 1 0 3 / 3. $0 ' (56 5) 3 (
, D 1A!) 4 & $1 1 % !) & g
($0 * * B / 1 % $0

;KKO ' & - &!0 $ (3 C OOP B , + . @A> @S> +@*
+ B ? ,@ AD @ ? ,@ B B -J>, +@ 1 0 OOM A. ,@
@ . . ,, JC-D> @ ? ,@ AD @ ? ,@ AD E@ -C@ +B@ @
@S> +@D A @ + JJ@ C2 ->,D E@ @@A A. @D A @ + ^@+ (

(0 B3 ! 2$. ' 0 51% / % C
5) *$ 3) - ( ) 6 5) *$) J *) & D Y<) @
$:1) :!2) 6 @ $1) 6 @ & % 4) 10
!)) 1::E % A : $ % :1 !) @ 1) 4% ' 0
0 .

CK 0 0 * 0 0(/ 9A+- ? 2 0>,,@+ A == J K
8%@A+ (B@ @S>J C@ -C C@+>CA ? . C A+

* &) $1) 8 @U b J CL (2 $0 ? &!(^ ? -D
5) *$ 3) (5)3 @@ "1 V &C-Y
D> A. - JC A. @S> ,,G

KJ- / 2 3 ' , + PKM # A@ ^ @C @ - %B@C ? @ a
A. ,@ 2 AD @S ,> @,G J C+B@A- . @A@+ 2 B ,@ +B@ -+B@C
J C+ E@ - ? @ A. @D +B@ @ , ++@C C@ ,,@D @S>J C->

+ ! @ ! +@ 1 0 $ 3 H ^ D , +@ C)S
)) >(5 4 + -A@ - S
! I -,,@ . >@ 8E U -C ? + -A C- ? 5 ? @A(
@@ ; a E-DG - S -,,@ . >@

;QM +C ?) , ' > " 0 < & 0 LQ2 B@ @,D@ + - +B@
S JC- @ -C B B -A + +>+@ +B@ @S C +@ - +B@ -,,@. @
+G,@D JC ? @C >

! @G 8 @ (, - Q G@2 < @ ^ C - #
% -C 3K # , - " 3% . (3*&!!$, . 0
3 = &" 0 0 V ! $ 8;Q=<(OQ B@ C - -D
" @CC A. 2 3 U C@, 2 AD !G@ ;K=O . 2 '
%&) ' ! (: OM= B@ . D> CE-A C > 2 +B@ @G B - -CY
G2 -C - , B K %J : 7 ^ A $ O< > . O ;) ;
+ - J->AD T @ =C&!!$,) +(+B@ ? - + E) >+ >,
A -C ? AD -,->C - ,, OC + B B ;KM= %-> ? 0
K= ! @G &-,, U2

* E) = +1 ,(, - K G ^# -E >C@ -C Y
. A a 8! @@ I >-, ;K== (

;Q;< * 0 ` 1) , . !) B@ ,+B > " ! +- ? B
B CJ,G @+ &C@ @C O U @G J J A E@+ ;QO=] $!
OP< ") >@ ? B ! +- ? B ,- +E +B@ O -CG !@G 1 0
,- 2 ?$, . 3 " ! >C,- A ;QLQ , " &) ? . 0
, , 0 8! " ! (MP ! @A+ B+AD@ I > C+@C - +B@ - +- C G AD
-C@ G +- 5@A+CG SK M ' D 0 S 2 " @ ' ,, ? U@
? > U,@ E->+ E>G A. -C@ I > C+@C - " , ? E A > . > +
E->+ E U #G - ' E) ;9; _3 ? $ - - 0555 (B
E + ? -C @, - E@@ 2 ->+ - " +B@ E U @G ;K== " 1
? . 0 $ - 0 ;MK B@ C,- A2 -C E U @G B@ J C@ C E2
-C -C@ @G ^ A +B@ ! -+ B ? -D@ - >++ A. >J C -
E@@ a

* E 8 @ (, 0 AD E! 0 , - @2 G@2 @+
8 @@ / / (% ! + ^# -E >C@ -C . A a
$ A/ " + # B@ @G - . - A -C B>+ +B@
-J@A A. A B B +B@ ,@@ @ AW@C+@D !
! @G J @@ ! " " " ! 8 @ @(2

) * E1: 0 ' : . , - G , 5 1 " ? :
$" !!V B@ 1212!1

S0) 9 AC- C " 0 0 C $! ' OP; B@ C E -
+B@ D@ @C+ A- >! @ +B@ @J D@C ? - +B@ " $!00 -C + AA A.
;KQL &$1 LW ! - ? @ A@ -C T @G ,
+C@@ ;<NQ $!" & ' 0 ;K - K M B@ G ,, E> B@
E@. A +- . C- ? -C@ D@A @,G

! @G ,,@2 6 / 6 +0
!) E @ + +@ 8) E S+ +(' 0 ^ ? @D +@
" " 1 % !J @@ 7 GA-AG ? - , A+-A +@
KLL - 0 " - !0 , 0 4 4 ;Q; 3 C %,@ ? -A JC-J- @
-C + ^OC-AX +@a +B@ +C , A B@ - ! @GE@C+ +@2 +@C +B@DB
+ A. > E@D ? @C A A ,G +2 3 C " @ACG ! @GE@C+ SK
+V " ' 0 ^@D =(O<Q

! @GE @2 *2 A1 !1) 6 ! " E / 4) !)
! @GD B2 *2 6 / 6 %#
! @GD 2 A1 ! ! ! @GD @2 " 0
! @G @2 6 ! 1((10 (L
! @G @D 2 A1 ! ! ! @G @A 2 6 ! 'K
! @G @C 2 A1 !1) 6 ! 04 % 1!) .
! @G @+GU 2 6 / 6
! @G 8@2 ! @G . @2 6 / 6 $ " %
! @G .) @CG 2 - 8> (CG@2 2 66 % !
! @G A 2 A1 !1) 6 ! a $ 0(!) 2
! @GU 2 >@ 2 6 / 6 " ' '
! @G,8,8@ " "
! @L>A2 6 / 6 o ! ! 10 0 o Z)
! @G ? 2 A1 !1) 6 o
! @G ? @2 o 1 (H 1) *2 A1 o 0
! @G ? , AD 2 A1 o 10 1 (
! @GA>A@2 73= ? 70 1 7 ? 2
! @GA ! " " " " !
! @GA - +2 6 / 6
! @G " D2 6 / 6 !)

;P<Q U * $! ' !) 1 , 0 8;K=;(SK- B@ D -E@,
. +B@C + A@ A> ? E@C - D@ D -,U E A@ 2 AD @GAD +
+B ? @ A +@C

* E) % * E) % : : 0 :J % < H " 1 !
6 * E B 1 0 $ UV 51 KG ($1
$$: 6 ' !) @) 1 !4) % !4) 1 D
S ' ' % ! /

$;PNN ? & - ? . 0 ;=N ^ -a : O ^ ADa & 2 +- @GCG
AD @GF@G - +B@ ?

! @GA @ @@ ! " X " " ! "
! @GA . 8@J @@ ! %

* E) E !! E -E -C ? - % !
+ ! @G > + 1 (, - = G S+2 8 GA(2 @ A+2
= P @ A+@2 @G [+8@2 = M @ +2 P >+2 8 @A+(2
^ # 5 , ' ? 2 , ' @CA2J - J > , C C , ' 3
) ' A@>+2 , ' , $ @ ? 2 8 B@A @ ! J 2 & . 2 + , ' &
, ' $+ - ,D@C , ' ,) 3 8 +@ ? (2 4 ' ! +-
. CD a . CD,@

$; S) %% 0 $ " =QL A " -C + ? ! ' !(0 8KK (
; ;K GA+ - ,U *) + -E>+ B C ? @D@, D-A@ ;L
< $ 2 0 # < 0 V ' (PK< +B ,U GA ? E@ E GD@ 1 0
O=L; , $J % B &!0 LO< ! @C.@ A+ - +B@ @
B@C " @ C- -D E>+ E- - ? ,G A ? @D,@@ -+@ C+ +B
@ A+ H 0 0 @GA+2 @GA+2 @ A+2 @A+a - ,U +B E CC@
? ,@ $JOO 7 ! ;=N 5-C +B@G ! @++ +B
,, B@C ,,>@C A @ A+ AD B- ? @ 2 , ;=NN) 2 $ ' = < $ 2 0
;QQO C <B@ C-E@ , . A E- + 2 AD A+ - ,U ,

! G C +C

;=;L'C ! `' & 2 ! ' ' ' 8;KP<(' QM' >A . @, ' ,-+B@D - 'C@@D'
E,--DG' J>CJ>C@2' .GCD' +B' @GA+@ ' - ' .-,D2' ,' ==N'C & - * '
C$ 0' =P; L' !@GA+2' -C' -C ' -+' ' .GCDG,,@2' 5%) - (' ,' ;P)'
(' & & 'K;Q' 7 +B' >C@ +' @ A+' E->+' B@C' GD@ ' D@A@'
. 7 ' &5 ' !@GA+' - ' ' .GCD@,,2' \ ) 0
! @ * ? +2' -E ' -C ? ' - ' !' 7) 555!' ,'
! @ G A + @ C G 2' +> C @ 2' @ + ' @@' ! % A 0 '
! @ G A + ' . C ,2' -E ' -C ? ' - ' 7 . '
+ ' ! @ G A + > C @ ' 1 0' $ >3(' ^ ' 5 ' , ') 0' % '
V' ' + E@,+ '
,B 5 " ? " ' ' L<OP' B@' @ -A#' EC- F+' ' ! @CD' @B@+B D'
+B' @GA+>C@', C@+ D' ,+' +B' J@C@, ' -C @A+' \ ' J>C@'
! @ G A + C 8 @ 2' C A+' -C ? ' - ' Q ' 1 0'
! @ G A + C G 8 @ 2' -E ' -C ? ' - ' B ' 10>3'
! @ G A > C 8 C (G @ 2' ! @ G - A ' @@' !' '
+ ' ! @ G A G ' 1 0' ^ ' # 5 ' E ' E,@D2' &5 ' '
E,@@D A . a' 6 @D' $ 1 0' A' " ' " ' 1&& . ' 8 f ' ! 1 ' $ ' 3'
) ' $ &) - ' A' & ') 0' & ' 0' 0' C ' - & ' 0'
e' L ;Q(b' ' B- C' E--U' JC- D@D' -C' +B@' A @' - ' ? -AU '
B - ' B D' , +@,G' E@@A' E,@D
' ;=< ' A' : ' ' $-E A -A' \ ' B ' $ ' :) ?@' (' - 0'
11 "' ' & G?@A+ ' -C' +B@' A@ @' C@J CGA. ' - ' +B@' !@GAG'
--U@ ' 1 0' ;N
! @ G J @ C 2' C ' 1 ' ! @ G C - E 2' -E ' ' ' '
! @ G 8 @ 2' ! @ G @ C @ 2' @ + 2' -E ' ' ' ' U '
! @ G - A 8 @ 2' - > A 2' L ? @ 2' -E ' -C ? ' ' ' 1 0'
! @ G + 2' + + @ 2' -E ' -C ? ' - ' ' 10
! @ G + B 2' -E ' -C ? ' - ' ' ' [' C ' '
! @ G > D 2' G G D 2' D 2' C A+' -C ? ' - ')
;KO=' ' ' ") 0' #8' :>,G2' $@ ,' !@G>D 2' D@ @>D@A+ ' - '
+B@' JC-JB@+ ' ;<;O' ,& - $ ' ' P' JC ' = ' @GG D ' AD' + @A+G '
->C' -+B@C' J@C -A 2' B @' E@@A' CC@ +@D
! @ G @ C A 2' J ' -C ? ' - ' 3 ' 1 0'
! @ G A . @ 2' -E ' -C ? ' - ' 8 7' 1!0' 10
i ' ! ' C @ 2' ' 0' 1 0' $ Y >0' ^!@@' ' ! :' 6 @D' ' '
? A @D' - +B
;Q<;' 2 : 6 6 ' ! ' $ ' 0' 2' < &0' 69 (' ?G' DG

' ! ,@ E 2 ' 1 0 ^ ! @@' ! a' f 5 ! " C .D
QNP' ^ ' 9 . V ' &%'$' & - $ ' ' 'O<' ' ! @ B' ? ' '
@A+,@? A' ! - ,D @C' A- ' 1 0' LN
+ ' ! - - + 2' ' (1 0 , - ' > + 2' > + 2' - - + 8 @ 2'
> + 2') - - + @ ' ! B - C + @ A @ D' - C ? ' - ' < & > % & & ' @@'
<) ' ; = ' 2
;MNL' = ' & ' &> ' 0' 2' -D 'A@ U@ ' B@ B '
C-A.2' +B +' B@ B ' AD' ! >+2' A' ' @C@' B@2' ' ->,D' E@ C@'
A-' -,@ ' ;MNO' ' 0' ' !0' ' "' L2' ! --+@2' ' + ' ,U@'
> @C' B ? @, @' ;MNM ' S ' ' (' M' SMXM'
O' :- ! #>' 0' $' ' ') -0' A' 2' ! --+'; ' $ ' -D'
--+a2' :' B >@' ,- +' ?G' J>C @2' :' +B AU@' SMDO' ^ @@' - ' XEa
' ! - C X A D - ' 8 J C + A D - (') 0' ^ + 2' .@C>AD'
- ' %& 0$ ' +-' -C @' a' ' ? > ' ,' D C@ + -A' AD + A.'
+B +' +B@' A-+@' -' ? CU@D' ' +-' E@' J@ ,,G' @?JB Y
X@D' -C' C@AD@C@D', ->D@C' +B A' +B@C' @ +' EEC@ +@D'
%0(' 00' 00* 2' EEC@ +@D' -C ? ' - ' %& 0$' &'* $ ' &(
>DD@A,G' ,-AD' -,,- @D' EG' D ? A>@AD-' -C' J A-
* *' B ' 0') 0 8 KA(2' %& 0$ ' & ' -C' & 0$ %' -C
! 5 ' 8 + ((' ' \ ' ' 0') 0' '
< 3 ' 0') 0
E ' $ ' % A C@ @' - ',->DA@ ' 8 A' J@ U A.(
;<NO' $ ' ' & ' &' ' L=' A + A+' D@ +C> + -A' B@
C@J@ +@D2' +B' ' , B +' -CX AD-
' & - 1(-CX AD-' ->J,@C2' J@D ,' @@ I > - + 2
->J,@C' ' ' ? - @?@A+' -C' A C@ A.' +B@' J- @C' - ' +B@' ! @,'
A + A+ A@-> ,G' SKK' % ' ') 8) ' $ ' ' 4 = B@'
-CX AD-' J@D ,' ' ' ->J,@C' - ' .C@ +' ,>@
' ! - C X + - ' 8 - C + + (') 0' ^ + 2' J ' J J , @ ' # '
%& 0$ ' @@' JC@ a' f ' 6 U)
* *' ^ @@' 6 U) V' 5 ' ' , ' ' [L,E
) 0' - (
' ! - C X + - ' 1 0 $ ' >0' ^ CC-C' -C' + V50 C ,2a
' . ,,@G , @' f ' -)
;MN 'O ' :- - ' &!*&') 0' 2' ;' ' -AD@?A'D' ' ! %CX +-'
+-' +B@' ,,@G 2' -C' J-G -A A.' +B@' % CD A ,+' O@?E--' ' %--U@

' J J F $

,! ? + - ' 8 - ? + (2' $0' C$ ' ' 0' ^ + 2' , +'
T ? -U@D' a' 8! @@' I > - + ' ;KM< (
;) Q' $ ') $!' &%' EC$ ' ' ' ;LM' %) - $ &(& A+@D' +B'
' ,B+2' J->CG' +-> B' $ %0' ' $ 0' 0' !'
C$ ' ' ' 0' #89' A-+B@C' I> ,+G' B B' ' D-J+@D' C-?'
@-A CD- ' +B@' >? +- ' G +@?)+B@' ?J@C' @J+ E,@'
- +@A A.' - ' +B@' +C A + -A' A'B , + A+ ' AD' B D-
+ ! ' . D 2' ' 0' 1 0' $ 3>(' G' 7)
;QL' - .) 7') " , " (;QQ;' :::' ' ' 0' G,'
' . D2' ' B->,D' ' --A' B @' > J@ +@D' B ,' +B@' / >+ B?@A'
+-' E@' D A A. ? +@C
! . @2' @ C,G' 3 2' -C ? ' - '
' ! . C +- ' 8 .C ,+-(' , -' Q' .C +' &'
.C + ' 8 .C ' + (' ^ + ' @@' < 66 E' +B@'
JC@ S' 3' C@JC@ @A+ ' ' 53' 8 @@' S (a' 8! @@' I A- + '
% ' < 66 D
K>J+' . ' 8 - ,2(2 $% (' ' ?@+B-D' &%' & A+ A.' A'E, U'
AD' B +@' -A,G2' A- +' ' 6 ,&0' ;K)Q' $ ') $!&%' !3C$ ' ' '
#9 $% &0' U AD' - ' E-,D' D@ .A2' A'E, U' AD' B +@2D-A@'
EG' C + B A.' ' ,,' B@C@' +' ' J>CJ- @,G' J A+@D' - ' +B@'
-C ? @C' B>@' ' ;K=Q' ' $ 0' !' C$ ' ' '
;PN 7 -CU ' -' JC-D> @D' ? > + 2' @ C@ @ ? E,@D' +B@' ' !! ' -C2'
-A' ' ? ,,' ,@2' +B@' $%% ' -' +B@' + , A ' [NNO' .) '
& 0') $!' ,& $ &' ' ,- ' B@' +@C?' .C +-' A- '
, ? +@D' +-' ' J C+ >, C' ?@+B-D' - ' C + B A.' , A@' >J-A'
J, +@C' >C @ B@' J, +@C' ' - ' D' +B +' +B@' A -A' A'
A' >JJ@C' - +' C@ @ , ' ' ,- @C' +C +>? ' - ' ' -A+C + A.'
-,->C
$ 1 0' 4KKL' &&!' $!"' C& (& A@, ' A' ! .C +-' -CU'
SKKM %% ,0' $ $!0' &!0' =' ' 0' 5 1(PL' G@C' >J-A', *' @C- '
-,->C@D', ' C@, D' B@A2' +B' ' +G,> 2' +B@ @' - + ' C@'
C + B@D' +BC->.B' A' ' ? AA@C' A ,-.->' +-' + , A' $%% &'
D@ -C + -A2'
E ' C & " 0
SKKJ%' ' 3 ' C $, 0' $ 0' ? , (@+ ' S ' =ML' B'
,)' !' +-' E@' @J C +@,G' -? JC@ @D2' >A,@ ' .C +-' @ @ +' C@'
D@ C@D' ;K<Q' ! J $9 ! \ /G Q +COOLQ B@' A+C-D> + -A2'
A' ;KMQ ;KQN2' - ' +B@' ' / ->,+-A C@' ! .C +-' ' J-++@CG' B@ @'
@C@' @' AD' *>. ' ? D@' A' +B@ -??-A' J J@ ,)2' +B'
? J,@' A @D' -C' + ? J@D' J ++@CA 2' -,->C@D' @I > ,,G' ? J,G

! " 2' ' -A -A A+ ,' D .C JB' C@JC@ @A+ A.' +B@'
? J,@' ->AD' 8 :(' A', +@' # ' +B ' ->AD' '
C@JC@ @A+@D' EG' +B@' -?E A + -A' ,(B D ' C@+ A@D'
+ ' -C . A ,' JB-A@+ ' ,>@' 8 U(-A,G' A' -CD' ' - '
-C@ .A' -C . A' B@' ->AD' 8 :(' D D' A-+' @S +' A'
@ C,G' # 5 2' AD' B@A @' +B@' @ @ C,G' 3 ' +@S+' 2' C ++@A'
EG' 5C@A B @D> +@D' C E@ +' D @C +G'
- ' ++@?J+' +-' AD' @SJC@ -A' -C' +' B@' # '
A-+ + -A' EG' ,' E@ ?@ C C@' +@C' +B@' ;O+B' ' ! -?@
C E@' - ' +B@' ;O ;L+B' ' > @D' +B@' A.,@' ' A+ ,,G'
AD' A ,,G' 3-C@' C@I>@A+' ' 8> @D' A' ,,'
J- + -A (2' B B' ' ->AD' ' , +@' ' ;L=N =6" ' 3'
1 +0' A' ?@D ,' AD' A ,' J- + -A' ' ' - ? ? -A'
C- ?' +B@' ;L+B' +-' +B@' ,M+B' ' %- @CD ,@' 8;PLP(' B '
C@I>@A+,G' O (-?@+ ?@' 0 ' 8E>+' , ' - +@A' V+0
B@' JC@ , A.' -C?' C- ?' +B@' @AD' - ' +B@' ;O+B' ' +-'
+B@' @AD' - ' +B@' ;=+B' ' ' , ' 8 A + ,,G' A' -+B@C'
J- + -A' +' ' ,@' ' C@I>@A+(' A' +B@' A-C+B' +'
-? ? -A' D- A' +-' +B@' @AD' - ' +B@' M+B' ' A' +B@' ;L+B
' @' - -A ,,G' AD' (+ (O ' -C' 8C C@,G'
B' -C' O' A' -+B@C' -CD (2' AD' A' +B@' = P+B' ' -?@
' A., A' C E@' ' C-+@' $5!(' 5)! ' -C' $!!(
&)! 0' A' 3 ' +@S+' +B@' > S 3 *' ' -+@A'
C ++@A' 3, * (AD' -?@+ ?@' ' ' - >C' ' +B@'
G?E-,' - ' 8:(' A' -+B@C' J- + -A
B@' -? E A + -A' ' 8JC-E E,G' +M' E@' C@. CD@D'
' ' ? J, + -A' - ' , +' ' C@.>, C,G' > @D' A' +B@'
-)!) -' ,' ;ONN' AD' C@I>@A+,G' A' +B@' ' '
&!! ' & - ! ' - ' E->+' +B@' ?@D +@' +' ' +B@'
> > ,' G?E-,' A' +B@' 3 ! ! ' - ' %B A @C2' AD' C-?'
;=+B' ' AD' A' +B@' -AD-A' D-@AA @A+ ' - ' +B@'
+B@' + ?@' - ' % S+-A' -A CD ' +' B ' E@@A' +B@' @ + EY
, B@D' A- + + -A' -C 8 :(' A' ,,' -CD ' @S @J+' +B- @
B B' 8 ' -$, ' (,)! ($(' +B@' D@C + @'
A' 3 & ' (@+ (' C@ J@,+' >AJB-A@+ ,,G' -A' @+G ? -Y
,- . , .C->AD
A' -?@' -?J->AD' &' (' - $%(' <$ $ (05 H'
' -?@' +-.@+B@C' +B->+2' -C? A.' ' D .C JB' B@' JC-A>A'
+ -A' - ' -?@' JC-J@C' A ?@' A' B B' +B ' @I>@A @' - >C'
B ' E@@A' @ +@D' EG' ? A+@C J@C' + -B' - ' +B@' J@,, A. ' @'.'
@ B ?' ' - +@A' ,,@D' 8;T * ?(2' &@+@C B ?' 8J "@**,?(
6' 8^(' ' 0' ,-' C ++@A' ' B' 8 W ' A' EEC@ '
& ') +0' A' @S' , ? + -A' > @D' +-' @A*- A' ,@A @
-C A- @,@ A@ 2' [' 8 ' 0' B@' C@D>J, + -A'
-C' JC-,-A. + -A' - ' +B@' ->AD' ' AD +@D' " 3 '
Y Y " AD' +B@', U@' 8 @@' I>-+ (
;K=Q' $ ' ' ' &&' ' ' ;;=' "@ ? J- @D' ,@A @' E)
,-A. DC A' ! V V B' $ &' ' $ ' 0' * $ ' S SZ'
7 B@A' AGE-DG' @A+@C@D' +B@' C-- ? 2' B@' >++@C@D' ') '
E , A+' AD' - ? A-> 2' +B +' C .B+@A@D' +B@' J-- C' - ,D' , DG' A'
B@C' E@D' ;KMQ' 3 B7 ' & - ' %) SS 2' ! B ' ! B'
D-A' +' ? U@' ' @A@' ' $ J' ' 8 ' ' ' ' H0 A' $ * > '
$ 0' / @ ' Q< O' ! B' ' + @A' ;K<L' 3" ' $) "'
< !' ' 99' ! B' / - A' +' ? U@' ' A- @'
E ' 6 @D' 8 A' C@D>J, +@D' -C ? ('+-' @SJC@ ' ' ,- '
A+' C> +, A. ' -C' B A.' ->AD' %T ! $! "
;KQK' ' \' ' &' . ' &% ! - ' S, 2' B@'. CD@A@C' '
E-G' B CJ@A@D' B ' G+B@' ?> ,,G2' AD' +B@A' E@. A'. A'
B ' ,- ' AD' .@A+,@' B B B' - @C' +B@' , A

! E *' C B ' -C ? @C,G' > @D' -C' ' A' 6 % ' @6 '
. - / ! 2' ' 2 $ ' - C' B ')
V ! W' < $ - - ' <) & ' > ' ! ' ' K ! B @' ' ? > B'
G+' A' B@C' B@ D' ,? - +' ' B >@' A' ? A@" 1 (2'
%B D' +B->.B+' B D' +8) +' 6 0' +BC-+@' MXC' = ' (')'
' < ! ' / ' X E2 @2' B' ' +B@' ! J C +'
- ' ->C@' .C@ +' J A B@ ' SM - 2 $ %& ' ! ' 8&&@C G'
! - (ON @' +B C+' @' G@@C@ 2' ! B ' DJ +' +B' C@ '
; 3 ' & & ' ' = ' A ' + ' I L 2' ! - ? @+ ? @ ') J J, > '
' J @ ?@A+ @@J A.' +C A@
! B 2' EEC@ + - A' - ' ! ! ' 0
;MNQ K' 1 0' ,0' - *$! ' !) 1 , !!T' ' : ' +@?2
-C' ->C E> + 2' +' +@A' B' +B@' E> +2' ' O', E ' 5 ' ' = . R
. ' " 0' 0' Q<' B@' ! > ? ' ' MK ' B B' D D@' EG' '
8E@ > @' ;O)'] ' 0+0
' ! B ' 8: (' ^ ' ! B-C+@A@D' ' 1 # B@' - - C ,'
4 ' , " &, & +0 , - ' J J, @D' + - ' (' T
;K=O' ' O' $ 0' V$ - ' : OKN B@' ! BD' ' +C .@, JB> 2'
-C' . - +D@@C' $ OJ) ' & - ' &&% ' 8' B@' '
,,@D' B ' 8# .A@ (- ' +B@' >JJ@C' AD> ' ,,@G' 4K<=
" ' $ ' ' &"0' $ 0' 0' OOL' B@' + ' ,D' B@@J'
UA- A' A' +B@' &>A* E' ' +B@' >C ,2' E>+' A' D@U' ' +B@' WB
! B 2' -E ' -C ? ' - '
! B U @ 2' ! B C 8 @ 2' ! B C J @ 2' -E ' ' * !'
! 1
! B E' 8: @E(2' 10 5-C? ' ' -@ EE2' !F @E2'
-@E2' L' -B EE@2' = ' B EE@2' = ' B E ' ^ # ' $ 1'
? ' -CC@ J-AD A. ' + - ' # ' .$11 ' ' 1(' +%T
@>+' C--+' T $13' +-' C + B2' 3 ') AD-.@C'
? A ' T $1 38 B@A @' 2' ,$ C' + B2' , '
8J@C 2' ,$1 + + - ' C + B' 5C- ?' +B@' ? @' CE- +' %'
5.@? ' D ,2' , $ ' 89 , A' , $11 ++' ? -D2 2' . '
= , $1 (D ,2' , $11 + + B a
' 1(: ' 7W' 7 4+' 00((' 6' ' '
< =-(=- ' ' =6--L' ,^ ' ' 0 ' ;/
,' Z ' 9 ' 5$ /' < & "> ' C$ 0' $ ' S ' QN ! @' B @)'
A' ,A@' @ EE' @' A+@ C@' A@' E, AD' >A @ 6) D SA@ ! @'
,' ONNN $50' , 0' : LOO' ' BG+' @-C? B'D-A@',@ + -C '
(Q@' EG' B-C ' A@?A D' B @' G ' @E' ^ ' 0) a' ,' OO<N)'
$ ' , ' LN< A' 0' ' 0' 0' 9# J-' E . A' :V@ -> @' A-A'
- ' E@-' >, ' - ' B EE@' AD' - ' E>G,@ ' R- ' C&!0' &' 8;KL<(2
OL< " @' BC J@+B' -A' ' E EE@ ' ;LKO' 9 . 6' 0' SS ' OO
+ ,' E,@GA@ 2' -C D' B E2 -C DCG@' C->AD' B E' R&7 ' 0% ' ! (
4 ' P;K' B@G' @C@' , +@D2' A-+' +B' +B@' B@@J J-S2' E>+' +B'
+B@' E2 -C B E' R& 7 ' *& ' ' ' 0 4 4 4 ' LN # >C' J-- C
U DDG B B' D @D' G@ +@CD G' - ' +B@' B E' U ' X) '
' ,"' ,!0' , 0' MPOO 8! B@@J(' B@' E2' B E2' C G2' -C
C>EE@C' ' ;KKM 0' & ' & 31.0' $1(' E' A' B@@J
' !$ ' 03 ' , - ' @,, - ' 8f ' ' 10 =(' ' 1 0
A%J>' 8 ' $ ' " ' ;< @ +B@C' C@' +B- @' ! B E ' -C
AG' ?@C +' A' +B@? @,>@ ' ' -C+BG' +-' . >@' .>+ ' A+-' ' E@) @'
>! ' ' 3 ' \ ' ') ' 0' $1(' ? @ A2 -CCG2' J + >,'
5) - 2' -A@' +B + ' ' . > ,+G' - ' C U ' \ ' OKLQ' 0 1+G'
& ' ' %' ? $!!0' 8;K==(' :: ' =N2' :' E@,-A.' +-' +B@' %,>E2' B B'
@CG' .@A+@@,] 7 @' A@' @C' ,@+ ! ' J' -C' ! B E' A' ;KPO'
8' $ ' &' S 2' T AG' A ?@' E>+' +B +2' G->' ! B E2' E'
D' 0 , U' : U
! , E' 8: @E(2' (1(@S ' $!(' ^# ' -E >C@'
-C . A' @A @' O' > . . @ + ' -AA@S -A' +B' ' 1(O a
' $ ' (+B' ' - ' .@+' * D' - ' .@+' 8 ' J@C -A('
->+' - ' +B@' G
OMQQ' 7 ' ' B ')' $ $ ' & - + C ' L'E' %@C+ A' J'
A@+ ' A+@AD@D) ' +-' B @' B@,+C@D' +B@? @, @ ' >AD@C' A@ '
E>+' B@' J@C @ A. ' + >,' +-' +B@' A., B2' --A'
B E'D' +B@?' - ' ;M<K G *8 ' & ' = ' ? & ! ' ' 2' :

B @ B EE' D' B ?' - ' J>C@,G2' $' ;KO= A' 3 + . . C+ ' < $!!& 0'
' ' ,!(L=Q' B@G' B E' D' J>+C B- ? ' ' +-' B@,,' 7 ' A ?E,@'
@@+' SK?' ' $ " ' 0' 0' !0' ' O;O' 0>+' B@A'
+B +' ^ ? -A@G(' .-A@ +B@G' --A+ EE@D' B ?' -
- ' J>+' 8 ' J@C -A(' - ' 2 ' 8 - ? @+B A.' AY
@C -C' -C' >A + -CG(' % ' - ' ' L
) =N' : ' & ' : ') ' A) & ! 1 ' ' 8 KMN(M+2' ' B-,D' +B@'
J@-J,@' ?' +-' ?> B' @ +@@?' +-' ' B E' +B@?' - ' +B' AG+B A.'
- ' ' @ -AD CG' I> , +G
- ' (+B' &%%& ' '2" ' - ' , AU' G2' A@ U'
- ' , ' - 2' + - ' ,' G' C- ?' -A@' ' @) .@?@A+
$' OQNN O ' ' 0' $ ' 0' 2($1 > ' V) A@ U+2 -C' , D'
' G' OQON') - &) ' ;KP AD' - ' +B@' +' & C -A' B EE'D'
' OKO<' 0' 0' & ($10D%%(' 13 &$"(+-'
A@ U' G' OKKN 0' & - 2 (<!& (' 2 " @' A + @D' + - '
B E - ' +B->+' J G A.2'
E ' 8!@@' I > - + (
N! ' # !' - ' $1' A 2' + - ' J, G ' ? @ A' +C U ' ' , - '
E CE C-> ' A+' -CD
+' ' $ ' 0 ' - ' C-E' 1 0
QKQ' 7 ' ' B ' &) ' &%' D) ' SSS ' ;KQ ' " @' E-C@'
+' ,U@' ' JB ,- -JB@C' +-' B@' B EE@D' ' A-+B A.' A@ 2' B@'
B D' - +@A' ,- +@ @CG+B A.' B@ B D2' E>+' B ? @, 2'
+ ' ! B E C - - A 2' B E C - - > ' ' 1 0 , -
' B EE@C--A2' <' B EE C--A' ^ ' ' 10(
+ C* ,$ &&' 0] ' D C@J>+ E,@' J@C -A2' C . ? > A
$ QNN 0' ' 0' $ ' 0' 2($11 &&' (' $. ? > A'
OQNL' ' 9) ' &' &' ' * " ' S ' 8;QNM( ) ' &--C,-- @' ! B E'
C--A' A'O DG " -> @ ' OC@D' OQ) Q) 7 ' & ' 0' $ 0'
8;Q<Q(A ' 4' B +' A-' ? -C@' C-.>@' +- D G' ? G' DC-J2' -' G->'
AD' ,' G->C' B EC--A' +-J' OQ<Q' = ' ! ' = '
? $ ' < !' 8;K;L(' ' #;' @++ A.' ' +C E@' - ' B EC--A' AD'
J A+@D' :@X@E@, ' A+-' +B@' C B-A@' +B-> @' SK) ' & ' !"'
$ 0' ' O;= ' ' C@ - .A + -C' C-?' ' -C-A@+@D' CC .@'
+ ? J ' G-> ' , -CD2' +B@' A-+ @ - ' B E C--A' A' E@' A-+B A.
,@ ' +B A' ' B A+' -' G->C +' ,-C+-' @AD' A'B ' E ' , ' OK=Q ' " ' ' '
7 2 11 &&' (' ? @ A' B EEG' @,,-
$ 1(OQKM = ' ' ' ' 6) ' ! ' ' , 0 '
PM C J' A' @C@D2' B@' E@, @ @D' B@' B D' A-E-DG' E@,-A. A.' +-'
B +A' -C+B' @@U A.' +@C2' -C' +B +' B@' ' E>+' ' B EC--A'
-C+' ' ' .@?' ? A
KB EE C-A2' -E ' -C ? ' - ' 1 2!
! B E C - - A 2' C A+' - '
! E E @ D 2' $(1 0 @S ' $!0 5-C? ' ' @ E'
E@D@2' - @EE@D@2' = P' @E EE@D2' B EE D2' GD2
Q ' B EE@D ' ^ ' ' 10N") ' O' % ') V
' ' + @D' +B' E' -C E ' E ' $0 ;2
8OO4NN A' J @C' 0' 0' <!& ' ;OM =<O' C) - ! ') (
EE@D@' = 0' 0' @ EE@D@a2' @++C @A2' ;LM' ' 7 . ' C 0' C '
A ' ;Q " -> ' E@-C@' B EE@D@' B@J' B ,' B@-C@' -,@' >@'
$'O=NN PN & , . . (' (0' , - ' 5-C' @C EE@D' E AD
;MQ=' $ ' <) 6 ' ' 0' B ' 1) 0' C . " , , ' ML' B@' %BG? ,
/ - +-C2 - @C@D' B ?' B ' B@,J' -A+C CG' +-' B ' > +-?@2' 8 -C ' '
E@, @ B@' B@' +@+B' +B +' B EE@D' +C U' - ' U A.' J@-J,@' +-'
E>G' B@ ,+B(' 8OSMKQ' ' C& - ' 8;MK<(<=' 7 @) " D'
B JJG' E@@A' B D' @ B A.' D' @ +>C@ 2' C ? @A+ ' +' ,@ +'
+B->.B' +B@' C E@' B EE@D' 7 +B' +B- @' B-' +B +' -,D J, @'
AB E + ' %' ' &!! 0 8# " ! (' 2 O;N " @' D @D' A'
' B EE@D' %-AD + -A2' ' B@' ,@D' OK<0 T 3 ' < ' ' ' $ '
&%' & - ' &C-,' ' ' OK 3 G' E@ + E-AA@+' ' +B +' B EE@D'
D DA' +' , U@' +-,' - +-' B>C B' - ' ' , A@' ! >AD G
! B E E @ C - - A 2' C A+ - '
! B E E) 8 * L @ E - (2 - ' 3 2 (I '
$(i' JG a' $ ' 0 - ? U@' B EEG
;Z99' ! !' $ ' &) ' 6) ' ' P;K' 7 ,U A.' - @C' 3 - d T
B ' - ? @ B + ' B EE B@D' ? G' + C @,, A.' ' ++ C@22

[illegible]

[illegible]

[illegible]

[illegible]

+B@ +? A - +B@ C@ +- -A@ J-+2 !;= B@ B U,@
-C?@D - J-C @, A2 +B B-,@ +BC->.B +B@ @A+C@2 A+-
B B = ,A E-B A @C+@D
K D@ @ -C .C JJ A. AG+B A. * ,0 T@ +B@C
- +B@ J -+@D .C JJ A. D@ @ 2 -C B-,D A. +@ +
J @ @ A +@ + A. ? B A@' 8 7 @E +@C ;<;;(
;KLK % ')(, (6 - !0 LKN ; B U,@
J, @D C->AD +B@ @A+C@ # +B@ E,- U ^- -A C@+@a2 AD + -
-+B@C + +B@@S,C@- + @
,@A.+B - E,@ O +B-? 8-C. +B@
D + A @ E@+ @@A + - T B U,@ '2 A @A @ M E(
SKKM: 3 &) H 6L ,g, -$T, * dL MH d H 5H › 0 - +B@
E- @C E,@ .@A@C ,,G SD B U,@ 2 B U,@ S +B-?
3 !-?@ ?J-?@A+ >@D EG B ?A@GY
@@J@C , AU -C +@A A. J-,@ +-.@+B@C 1 0
$>$0 2X 6 C !! ;<K %B ?AG) @@J@C2 +B B
0C--? 2 B &-,@ AD !B U,@
,E 1(AD &-10 B -U,@ E C2 8 (+B@
A.,@ +C@@ - - B2 @+ =1+ E(0 +B@ ->JY
, A. E@+ @@A ,- -?-+ @ AD + +@AD@C 8 7 @E +@C
;KM=(B -U,@ EC@@-, A. 8 @@ I>-+(B U,-
-C- 2 T E C - C-A , .B+,G E@A+ + -A@ @AD, U@
+B@ -??-A C- 2 E>+ +B B U,@ A +@ D - ,
, + +B@ @AD > @D -C DC A. E-,+ -C D@ U
A , " 8! ?G+B $!& › & 31.0 ;KMQ(B -U,@
D A-@C2 J@C -C?@C B- D A @ A B U,@
+ B U,@ . ,,2 -C@ >AD@C +B@ @+,- U - ,
B-C @2 > @D EG +B@ . ,, A. - +B@ B U,@
8 P (2 B@A M $,.! $!! D* B -U,@
B ??@D 2 UA- U UA@@D2 - , - B JU,@ B ? 2
UA- U UA@@ B -U,@ B@ D @ A@ A@+
B U,@ C-A $ " B AD > B U,@ * U
8 @@ I>-+(B U,@ *- A+2 8 X(*- A+ A +B@ -C?
- B U,@ 8 @A @ M() @ J -A@ -C D*> + A.
+B@ +@A -A - C-D 2 C@ 2 @+ 8 (J@ >, C
U AD - C+ >, + -A A +B@ @C+@EC @ - -?@ B@
8 @@ I>-+ ;KQO(B U,@ A@+ $!(8W@@ I>-+ (
B -U,@ J A2 %4$+ +B@ J A -C E-,+ - A B U,@:
=1+ T +B@ ? ,, J A - --D -C C-A +B + -A A@
B U,@ E-,+ A J, @" 8% L , (;K<;(B U,@
J, +@ 8 @@ I>-+ (+ B U,@) @ A2 T @ A - +B@
B-C @2 JJ C@A+,G +B@ ?@D A A+@ EC B ,2 C-?
B B E,--D> @D +-E@ ,@+ " 8 ' ((+: B U,@
@ $ 0% A +B@ -C? - B U,@ !@@ , -
: " ! ! " %9 0#9!
KL= ($!. $'!" 5 ,(ON; !B U,@ -C A.
E C SK) 3 $!& › ,% %.0" T .$,.! 31 ,, ' (
+ - B U,@ C@ +>CA@D A+- !) 0 +@A@D +-a +B@ EC@@ B A.2
EG B B + A + A+,G D -AA@ +@D C-? +B@ J-C+ C A.Eb-,+
;QN< I C& - $ " 0 C ! * ;8# ! - +B@ +C@+ B'D
%) CD +B@ !B U,@ / A @C +C @ ;P<W = . . 0 $! ;;
& SM= !B U@ 6 * , : -A +B@ J +-CA@ SM < :
8 7 +@C &()C Q%M2 B@%B A@. ,,2+B@ >@,,. ,,2 7 AD
. ,,2 !J>C. ,,2 ,.B+@ ,,2 AD !E)@. , 4MK= $' 0 <$0(
;<PK = "@C + - -C@ 5@@+ !B U@, . ,D ;P< < E * 0
&) / SE2 " ,@ @ B U,@ E ?D2 B UA@@
B D E@@A# , @D +- B W+?.B@ +B J- A+ ;MQ= &' (<$00
- <NQ = $@D $- A . E->+ ;L B AD B .B2 B U,@
B ??@D 4 *- 7 H. ! -& (12 -0 ::: ;KN
8 / / (%-,+ EC-U@A +- -G 3 A. C@- +@J B U,@ B ??@D
;MN) ") &' - 2 0 8;KQK(;LO B@ C B-JJ@C
+B B) !B U,@ E ??@ @) @,G D J +-- AD >C-
;QMO < ' 0 $ 0 :>A@ OKQ O : 6- +B A 0@ G2 +B A
B@ B@) !B U,@E@ D ? G A@ @C ,- @ +B@ B@ ;KQM
1" <!& 0" T $, ! &' (JC -A B JD > ;K<M : 9
'&2 V 1& ! $ " 2 "N%"B+ ;QM :,--U@D +-E@ + @A
AG D G2 AD D D A-+ A+ ,, +- @@ ?@ @ C 8B@ B U,@)
C-A 4KQP : 7 (, 0" T $,.! 3B$,.% A ?J,@Y
?@A+ -C ++ B A. +B@ +B ,, +- +B@ B U,@ -A +B@ S,@ B@C@
A A+, C ++, A. E-S - AD C>EE@C > @D ;KLQ 0
' * ' 0 = , (" - !T =K C->AD C->.B+ C-A + @ E C
+B) B U,@ *- A+ J +B@ @A+C@ 4KQO = 3 '$ 0 OP
!-?@ J AG E-A@ ! ,>C- D B@ B @ J@C -C + -A +
+B@ C E @2 +BC->.B B B J @ E-AG C A. B U,@
2 *- A+ 5NO H V $ '<!& 0%T $,.! F' (- " $HH
,>@ ;==M !! # ' 0 0 0 8->C+@@ ;KLP(<P2 * B U@,
C+ 2>AD@ *! B@ E U@,JGAA@X @+ A B) UG,JG&A@X @CC
;KQ= . $ $! ,. 0 MQ +) B- A) B U,@
J, +@ +- C@ @ @ C>DD@C J@AD A+ 2 B B @ >C@ +B@ C>DD@C +-
+B@ @ @, A +B@ @ @A+ - +B@ -C?@C E@ -? A. D@A+ ,,G
>A B JJ@D 4MNQ = $ (,s OO B@ >@C
+- ,@+ +B@? E,--D @CG ?> B A +B@ ,? U,@ @ A +- DC
+B@ B>?-C C-? +B@ JJ@C J C+ SMS-] $ *0 ;; S
=;= ,@AD@C +C A.2 7 B -??@+E C-? +B@ B 9@,, @ A@
+- +B@ .C +@,, A +B@ A- @ AD E@+ @@A@ +B@ "JJ@ 4ML<
) < BL - * 0 & - (L=Q U@ >J +B@ B U,@ @GA@ 2
;P<M = . . ? . 0 $! QL 1@@ B ,, +@A +B@? A+-
+B@ J- +@ 2 +B E- @ + @ J D@) B ,@ @
! B SU,@2 10 $!(HH @@
!+AEE,@
$ SK-- 77) **!0 < & $,.! (+>EE,@2 "@C@ -CD B
` ! ! $,.! +B@ I> U -. .C 2 ? 0$
' $(8% ! $. " ' Q (E * 0 B@
G@,,- C ++,@2 '$') $3 $!! 8 / / (
$;KO= A $, $ $ › <$! & 0 ,",!(=OQ B@ 6, C
B U,@ . + J- 2 6 J-A +B@ EC @
K . ?@ - D @ C ,@ % 1(.
SKKS D) $ LPN B@ " 6+G U@@J@C A- JC-Y
D> @ +B@ D @ E-S AD JC-J- @ T B U,@ ;KKP '
<$00 LN : A A 0 = A0 -@C 4 O=P O "@ U@D
EG G->A. ? A +- *- A A T+ U,@" -C, @+ ?@C EE+
"@ -A @A+@D2 AD E-S EC->.B+ -A+ A A. +BC@@
+BC@@J@AAG J @ @ 2 AD +B- @ B- +BC@ +B@ B .B@ +. A@D
+B@ C EE+
! B 3 @8*L@ U',(2 E0 (^!@@ *) a
" 0 10
;K<N $', 8%B .-(SK !@J+2 : ->AD ,-+ - ? ,@
, A. A D @ ?- + ? @C E,@ B U,@

! , U ,- 8:K@ U :(2 X), 5-AA P -E U,G +2
G,,@2 M B U@,2 B U,@2 B UU,@2 M Q B U@,2
M B U,@2 ^ . *) ,a
$' 0 - -A A@ +B B U,@ +- J>+ B D ,@
-C B U,@ -A
%4==N C &- *0 C$ 0 ==L O ! B U,GA2 ') - !&0 %4PLN
,. ,&- OLQ 8 3 A,G(A @ . +@ @ D @,,@D +-.GD@C2
5-C B@ AD @C@ E-+B@ B U@,@D A @++@C2 $;P=K ' . .
% &'0" '0 " ON D?-AD 3 -C+ ?@C B-?@ # @A
,@AD-C U@J+@ A ,+BG JC -A B U@,@D 7 +B GC-A S)GG
0 < 7 1$,.›) (8;PKM(;PK B ? B@@
G->? G @ ,G JC@>@A+2 +B B U, A. B ? +B B--@
-,@ L%J 8 * ,(e = 8;M=L(OPO - AD +B@ C
B-C @ >A @++@C@D A +B@ ?-CA A.2 ,+B->.B +B@G @C@ +
B U,@D - @C A .B+ ;QMN QO " : &&! & % A)$!(
8;KN<(::: <N !-C@ AD B U,@D 2 .-+ -A D@ U
;KQ= < & (,, e P 8;KKO(;L< ? +B)
-CD@C@D +- B U,@ B ? SKKM 3 V '$** S 2
+' B CD@C G@+ +- , @ B U,@D A C@D - + JC -A2
E - B A
;M=M " 8 & ' - 0 ' ! PK B@ @ #E A@ B ,,
B U,@ AD E AD@ +B@? -C@ @C
$' %0 AD)
$ S) , &! -(;; 8 CE(OS B@G ,, G2 + @C@
J, A@ , >@C @2 AD A >C @ +-2 +- B UU,@ AD +G@ .--D
7 ++@ ;P<= 8)$ › 5$ - 0 8;P<M(Q #>C
AD@C + AD A. B U,@D +B +B@ C>,@ ? D JC@ @J+ -
-. U@ ;MP , &!$ C$* 8% ?D@A(O=P B@, +
J- + D G B U,@D A ?G E@D +B A B>?->C ,,@A
A+- ?G C .B+ --+ ;M<O $ 4 (7 $1! SS Q=
" %, @C@ - !B D@D A +B@ 5,@@ @ +B + +B@ !B@JY
B@CD2 >.B+ B ? OQML = . . C $, ( ) 10 L=P 3 -
,U@ @2 B B B U,@ +B@ A@2 +B @++@C2 ?> +
E@ C@ >,,G C J@D - 4QQ< : = 2 &,(0 b
4 ;OL " D B@ E@@B B U,@ +- ?-C- @2 *@ ,-> @,,-
+B@ @ ->,D B @E@@A D @C@A+ ;KQ< - 0 C$)!
8;KKL(LOM B@ @ - & >, @C@ ,@ B U,@D EG - Y
+ -A X) . A C$ 0 10 P :>,G W=K B@
-CU B B +B@G D D B AD@C@D AD B JU, ?@ A ?G @AY
D@ ->C +- D- B + 4 -A D@C@D C .B+ 2 -C +B@ G
: -0 - S A -?E A + -A 0
;MQP < 8 '$ 0 C 0 @ + 8;MKO(OKK !>,JB>C
@,, ?JC@.A +@D2 @ +B@C UB A ,U , A@2 -C A D ! ,+2
E>+ , - B U,@D +B C+B SMK]) $) - X e
OO= , ++,@ +B + 5 S@D ! ,+2 @C @ 2 + @@+A 2 +- !B D ,@
-C %CG + ,, X@2 @CG .C@ + I> A+ +G - +B@ @A+ , ! ,+
- +B &, A+ OM<= 9 , * 0 10 OOQ !>,JB>C2
@,, ?JC@.A +@D +B A ,U , A@ ! ,+2 B U,@D +B C+B
= - *- A2 ->J,@2 -C S EG ?@ A - B U,@
;KL= P 3) 2 SK + ^+B@ G CD) *
B@ G C-A B-D B@@, B U@,,@D EG B A - +B-?
,-A.2 +- +C-A. C-A E C S\8P ' ' 0 ? 0 4L; O .--D
+C> U J, @D C- +B@ >J , A@ + +B@ › J- A+ T0 C@ DG
+- E@ B U,@D +- D- A +C A2 ($-$' *
8@D M([Q; !B U,@ +B@ E,@2
E ' 0 -C B!0
;KMP - ;< >. < L 6 J ?@ +B@ E,@ AD C@ C-J@
B U, A. +-.@+B@C -A +B@ B@@, A +B@ E- ;KKO (
$-$' * 8@D M_ PN B@ -C@?- + @AD B U,@ -A +-
D-,JB A +C U@C
M ! 0 - ++ B +- -C ? B +B B U,@
F . 1W3 Q(2 & $,.! &%%H +- +@C? A +@
8 A -, A. +B@ > @ - B U,@(
;KPO A 1 - 0 * , %0 C$ ' (! , 0 $ ' 0 8C! J(
OPQ !B U, A. +B@ C@ 4KQM , 3 8 7
! $* " 7 B@A +B@ C@ B +- E@ +@C? A +@D2 -C
B U,@D - '2 + +@C?@D2 + A+@C?@D +@ J- A+ 2 SJX-
0 $2. ' › ! , (0($,.! ' (-AA@ + A. , A@
C@ +- B U,@ A >, +-C
"@A @ !B U, A. 1!0 10 AD**!($(
X)) : ' 8) *(# ! SS6 ON $ +B@C +B@A E D@
+B@ C J@CJ@+> ,, E U, A.2 - + AD . GA + +B@?2 AD + U
+- ->C + U,*A. ;MQ= - 6 L ?)!. # ! 0 L ?@D,G
? D@ +- +B@ @ @C, + A. B U, A. - +B + B@ D -C I>@ + -A
>! ' 7 '$!(? $) " S OO< B@G +B@A B @ C@
->C @ +- +@@, -,, C AD -+B@C C-A ? B A@ ^+- JC@ @A+
B ,DC@A C-? +--J A.a ,, B B B U, A. C@ C@J>.A? +
+- A +>C@2 AD ? G ? U@ +B@ E-DG .C- C--U@D XKMS
- . B , "!) 8@D O(& * 0 =K= & (B@ @A+ A)A.
AD B U, A. . C?@A+ ,,@D &1 - B* V& 0 ;KMO R
. . .0 < 0 S 8;KMP(;L %@A -C B J2 -C +B@
B U, A. - ?@A' J--C +-A.>@ AD J@A XK) . "
C !", & LNQ 5-C +B@ ? @C E,@ ,--D 2 AD +B@ ,-A.
A- + ?@2 AD +B@ B U, A. - +B@ +C@ ? - @C
! B %U,@2 $!0 8!@@ ' 0 $!((-C
-+B@C @A @ 2 AD -C? (^5C@I>@A+ + @ ! " 90X a
$' 0 - , G 8 + AD A. - ?(, -2 +- , ++@C2
D -CD@C 8 @@ ' 0 $!0 * , 0+0 , - & '
& $ $,.! ' (+- @AD +B@ ?+- @@D A +B@ +>EE,@
8 1[AD Z (
;MQN) &' 0 ! KL @CG A@ .BE->C' B-C @
-C - 2 +B + EC@ U +B@ C A@D.@ 2 -C B ,D@ +B@ C -CA
Q<N < C & (<!& (8@D O(03 $,. ' (- @AD B-.
,? U, A.2 +- @AD B-. +- @@D A +B@ +>EE,@ @S
S!-S) !$' <!& 0 +@C -?@ B@ G C A +B@ @J?
- B U,@D +B + G-> AA-+ C@ J + V
; - D,@ -C ,- +- B CU -CU 8%
%+
XK-. . '$ 0 ' 0 $' 0 ;=L .$. ' (D, A.
;K=P 52 7 $! !!$ ' ! 0 ! ;; ;ON B +
.-) -C A-+B,A. @,,- *C + + B@C 5 ,U@A@C2 B- , G
B U, A. E->+ ;KP<d) $) - 1 2& OMM B@C@
,-+ - , D +B + C@ , G B U, A. E->+2 C@ DG -C AG
? B @ -A !>AD G
!B U,@) C A+ - B . !
!B U,@ E-,+2 ^ 7 . 10 a . 1! !
) B@ E-,+ B B J @ +BC->.B +B@ @G@ -)
B U,@2 E % 0 B > @D E@ C A.2 -)
E-,+ B A. B U,@ -C ,@ -A +B@ @AD 8 9 A .B+
0 .0 ;KQP(D $!0 B AD >
$% ' . - &) " .L;; S "@ E@ C@+B E,@2 D->E,@

B U@ E-,+ -C B U,@ E-,+2 C.@A+ 4QNM O ((: ,-< 9@CY
@G(2 $,.! G 1&E -C $,.! " -C+ - 5@++@C J>+ >J-A
3 ,@ +-C A &C -A ;KS< $'.& SS S2 @++@CY
,- U AD B U,@E-,+ X>C@ ;KPO ML 8 $ 0 = !0
, '0 0 8@D =(2 !B U,@ E-,+ - +C A.,@ . A SK)
G \ H V ! $* " ;:# BC->.B *6- B-,@ A
+*E@ C? -C EC U@+ =) A E-,+ J, @D -AA@ + A. +B
+B +B@ B U,@ E-,+ C@+ - . , A X@D C-A +C J B B
^@+ a S) Q ,( )**!(; 3 G 8 / / (2 !B U,@
E-,+ ^ B AD > a
! $,((< $!0 7 0(1W]
: B@ C + ^
;PQ; A 0 C " &)',0 ,& 0 4, <L B@ +-C?@A+ C
E AD E G+B@ ?G B AD + +B@ B U,E A@ +B@ - CD
;MOO A & + CA - 0 $! " PN< ! B-)+> U B ?
E@ @ B U, B A@ +B +B@ A@ B AD %4QLN
?&" # C L ^"@a DC>. + ,, B@ B ? + D *- A+@D "
B@U@,E @ $ A& $)' ! B S 2 B@ B U,@
E-A@ C@ - +B@ , C.@ +2 AD - +B@G @C@ -E, .@D +- U@@J
+B@ B AD > D@ SKMK = LM .) 0 ,&' : MP
" B U,@ E A@ +B U E +B ? A@
; B@ UA> U,@ E-AF , - T+B@ B AD ,@. - ,
J .' C @2 E@+ @@A +B@ --+ AD +B@ *- A+ + B B
+ >+ - 8 3 : U -A &* 0 & ›1 .0+0
[KOO K (("! SSS 2 A G@ B @ +B@ B B,@
E A@ - ?>++-A B ?
6(DJ4-<, =- J42</ YYY $0 0? 02
' J H-(0 K 70 37 < =6(DJ4-=
, ;== C &- * C$ 0 ==L O ! B UU,GD2 ' - !$) 0 ;PMO
: 6 C & 0 * 0 8;KMQ(;KP 7 @ C@ +,@ ,-A@
AD B ,,2 +G,, +G> @ ->C E U,@D EC@@ B@ E@ .-A@ XM--
$ $-(2 "@@' .--D --+@? A B U,@D
- $%>$ 9)) 0 $ * SSS OP< - ? U@
+B@?2 7 B- ,G, U@ @ .,@ +- ,U A- +@C +B A B U,@D
"@A $ &A 7- ' 2 7 +B B U,@D @@+ AD
B AD SK-X 0 < (5* , 0 6 2 B@ E>A+@D ->AD@D
B U,@D C@ +>C@2
E $' %0 ADGH
;KLQ 5 ? ' ! 1 0 ' ' 0? 0 -$', *0
4= B@ + U,@D ->, AD E AD C@ C@@ 4K<= I "
2 (?&' '0 ' ! &) OO @+ A-+ +B B U,@D
E-DG DC . +B@@ D- A A+- +B + + .A A+ @
$,.! Y $-T *0 $,.! T $-- 0H 0
0(10 1 0
4Q 7 . . ! - # $! $ - 0 ;;O %-,+2 B-
B@ D EG E@ A. -CU'D +-- --A2 ,, E@ B U,@D E ?'D2
+>A+@D2 AD -?J, A # @C +@C
! = $ '&', 32 0 0? 0(=<
i B@ -AD + -A - E@ A. E->AD +B
B U,@ 8 A I>-+ f ? CC .@ (
4QQ4 8((($ ' &' 8;Q<Q(;O; 7 BG
D-@ +B@ .@ :>, ! - --A +@C +B@ -??@A @?@A+ -
B@C - A C) U,@D,- ? 2 U > B I>@ + -A
8 : @ U, .(2**!($T ^ . N
"Q(< A @A @ O J@CB A >@A @D EG . a
: - A.2 D J +@D
4QKK O 0 ?) ' " 5@E 2 7 U 8;KOK(=NQ AD
>J-A +B ->A+ ,, B ? B> , A.2 AG B ,,G2 B UY
, A. @,,- SKK) ' B & $- 8@D O( )MQ2
; ?'+ @? J,-G B ?2 B@ E > B B U, A. @,,-
; E 0 (DJ-*+ 0(1=6(DJ4-
;KQO :2 8)7 &)*&' ?&' LKQ 85 C?@C(B@
. +@ + @, > B B U, A. -A @CA2 B ,D ->,DA'+
B @ ,@ A@D -A + +B->+ @S A. +D- A ;KK= $ * ›
$ 0 # + QLK O J--C -,D E, U B-C @2 B CA@ @D +-
B U, A. E ?.G
* 9> $ 1 0 09 7 ?0 7?T $,.! 3!&,.(
? 0(1 0 0 G ?-**-047DJ
B@ >CA ?@ $,.!&,. UA- A A /@CEG B C@
;MSL ;M 7 8 ? 0 C$ 0 ;0 <K B@ C+G ! ? +B
E D B 3 A EC A. ->+ " B U,@ 2 B U,- U@ 2 B ?Y
J@C 2 .,>@ AD B A@
! B U,G 8* @)U, (2 + E 0 (&0' $!(^ .
10 &5 ;) Oi a !B UG2 C U@+G C ?) U,@
;K=K 0 + % * , 0 - 0 7 B + B U,G #,D
? C .@ , ;KPN / J 7 80 C+,@++ KMN(2 B@ .@A@C ,
,GC- AD ?-C , > , + B@ A D@A+ +- J--C B U) ?-CY
+ , +G S&&# T = 0 ? 6 [ ),.0 ' ' SS ONK ,, U AD
- -,D B U,G .-A ; \ Q] & $- * 1 &$ SS 2
. >A+2 B U,G ->A+CG ->+ S @@+ B .B N
& & C , 0 5 ,0(C ' ' &C@ J S 2 B@ J- @C+G -
+B@ -,D JC A+ A. B-> @ + A+ >JJ,G - +GJ@ 2 + B U,G
B AD JC@ @ ^@+ a 1 0 7#9 B@ A@@D,@ @ C A. -
@, + -C E U,G ++@D J C+ - +B@ JC@ 2
. U % U C . 1 (T " 7! 7" 7
SMSS 1 &2 G 0 9 =2 - @AD ? A EC- D
AD@C .> CD - -A@ - G->C ,, @ + A U C . +B +B@ ? G
E@ +@) @ UA >@2 AD C>A' G
* K6(. J+ $(1 0 $ ›Y 0 CC $0
$/&0 < .) 7 ' C 0 ; LQP " E . C?@A+ +>?D@ +-
B U @ B@ C@
!A -#G C A+ -
10 5-C? ; @ DD2 Q B DD@2
8Q +@D(2 Q2<-E D2 E D !0 E D2 , - B D
m Q B D@ (I# , $ (- >AUA- A -C) A
7 @, B " $ $' J 8 A.2 " & $'"'+(C B AD
@, $ $'(B@CC A.
B@ , $ B D2 B@CC A.2 ? G E@ C-? I A. A
/ @+ 2 + B E@@A -A >@D +B , $ B@ + B2 + Ba
: AG ,>J@- D - +B@ .@A> !& $ +B@ 0C+ B
J@ @ C@ +B@ ,, @2 (,&- -) ' -C)! $ (
AD +B@ + +@ 8-C B@CC A. B D(2 (% ' $H +B@
-??-A@C B +@ B D - ?@C 0 $* -$
AD +B@ %B A@ @ B D 0 (
4NNO !! A 9@?E,@ & 0 *!(;=Q #A ";@+ .@C D2
+ -AA@ @ DD.@A.@ G2 " @+ E@-C))!@C G,,@ ;;; E> @AD
@ DD A+- ! +@ +- @ + 0GC+>A@ ;PLK . 0
DD + 2 &'($,&' (G B@2 B B@ +@C +B@ D@ C J+ -A
- & >,> ,-+D> 2 >JJ- @ +- E@ +B +2 B B@ + -AD-A E
,, D B D ^;P) B DD@a ;PK= 7 $ ' $!
,SS 4=L !B D \ 3 U@C@, C@ E-+B @@+@ A + + \

- + A >E + A @ M-b 8 & - !! LN # C->AD B
+ 7 @ C@ %B D2 \ $0 ;MOL - . & >) 2
7 B , + ^E Da @@A J--C C-.>@ C@+ C@ ,, .-C@ AD . B'D
U@ E,@@D A. B D ;MO< 1 ' $ OK
8 CE (LPM # B @ @C@ E@ + I> A+@D +B !+>C.@-A2
C ?J> 2 &-J> % + B2 !B D@ 2 &@ C B - +BC@@ -C+ 2
AD 3> ,@ $%J& 9) 2 ? ' 0 C & *0 8;KMP(LK
B@ !B DD@ E@ E ..@C +B A +B@ A., B !B DD@ AD
++@C $>0A 9 7 (7 C + ;Q<O 4 O=P -
>CA B ?@ +B @C+ A I> A+ +G - B D AD B@ C@ A.
;KS< ON 7 Q 3 7 . , ?.0" ! *" &!!& 2 8;KMP(==N
B@C@) EC- ,@D B D AD C- +@D B U@A $ JJ
!*6) ' ! ' O= , A . A +@,, > 2 +B +
+B@ B D ,,>C@D EG +B@ ->AD - + A@+ $ & #
.$ 0$ OLK OC@ ?2 B D 2 -C G->A. EC@ ?2 .>CY
A CD SKKM $ % . $3*$ ' T & ;M=
B@CC A. B D] , C.@ E-AG + B , U@ ? .A @D C@ BY
+@C EC@ ?

O E0 0 JJ, @D2 > > ,,G +B D@ A A. -CD2 +-
-+B@C B@ 2 . XX CD B D2 +B@ .@A> & & & - $(
@ J 0 , * $') - 8 ,,@D , - -) (2 3 " (
2 ' $ + .C@@A + ,@D2 B CD B@ D8@D2
G@,,- + ,@D B D2 +B@ ?@AB D@A B U-CG -C
+ ,-C B D2 @@ . 10 9: ,-A. E-A@D
B D f = # B - B D2 C& - &!&1)
, " &, !& +C->+ B D2 +B@ I>@+@ .>@
<) ! @+ $ ((D)$, ' - (PMN B@
3 @AB D@A T " CD B@ D !B D T1@,:- + ,@D !B D
1 0 MNQ B@ " U-CG !B D 1 0 MNK B@ T ,-C !B D
1 0 MSN B @ T 3 >D !B D'2 T 7 A+@C !B D 2 -C T !+ AU
!B D'2 +B@ T XX CD !B D 2 -C T 7 B +@ @G@D !B D

i +@C ? - E> @ 1 ($ (

SMS- O :- !# !, (2 B@A G-> C@ A #++@C AD
!B D2 7 B +2 @CG ?

! $ 1(AD &-10 ! ?J,@ ++C E 2 $ 3

1&5(36 .(36 (3% "(') (3 $, (3 ' (

XK) <) ! @+ B 0 D) $, ' - 0 =N< B@ @
@.. @C@ J, @D A B D E-S@ ;KQN 3 .. ' 0
E ' 0 L! !B@D) B2 !& $0 ;<NK) & 0
" * LOM ! S , @ @,@ +C B D B C- ? +B@ ,@ 4<N=
< .. ' = && ' '' * $ '' ;<P B@ B D
B@C - !@ ,,@ ;KPQ . $' 31.0 0 ?) ' 2 ,. OP
6J CD - + - B>ADC@D E- + AD @ B>ADC@D ?@A C@
@?J,-G@D A +B@ B D B@CG2 @ @CG @ -A2 A %>?E@C, AD
0 A ;KQ< = # * 0 & 1.0 $ 3
1 (+ JC-E E,@ +B + +B@ !@ @CA B@C?@A2 -AA@ + A.
+B@ JJ@ C A @ - +B@ E CD +B +B@ D @A+ - +B@ B D
B A. @ -A2 . @ +- + +B@,- , JJ@,, + -A - !B D E CD
;<N= < .. ' && ' '' * $ '' ;M= !B D
B A. + ,, ->C E A. AD> +CG A +B@ ,,@G - +B@
3 AB - 4KK= <) ! @+ $ 0 0 D $, ' - 0 989
B@ B D CG J@AD +B@ C + S ? -A+B A ->C C @C
4K<; ') " 0(T $ 3 $, (-A@ B-@A. .@ A +B@
C+ , JC-J . + -A - B D 1 0 ' (!B D @ A@2
@ A@ @ J@ ,,G D J+@D -C > @D -C + U A. B D2 AD
.@A@C ,,G - .C@ + X@ ;KK=<) ! @+ $ 0 0 D) $,
' - 0 MN= A +B@ ,E@ ? C,@ +B@ ?J-C+ A+ !B D @ A@
B@C @ E@. A @ C,G B 3 C B

E !J@ , -?E ^%B @ ,G 6 !2 A ?@ - J, A+
B B C@ A ,- @C -C C> + B@A +B@ B D C@
->AD A +B@ C @C 2 AD - E CD 2 A @ +) @+ +B +
JJ@ C E->+ +B + + ?@ a !B D E@CCG2 +B@ B D
E> B -C + C> + B D E CD2 8 ($!0 +B@= -??-A
ADJ J@C2 ' & "*&!),) (1 (8)(T +B@
-??-A ?@C A A J@2 <$!! '$ & 2 ! &' -C <(
!,$$ = ' 0 0 ;K<;(B D E,- -?2 +B@
B D E> B -C + E,- -? i B D E D 8 @@I>-+ (
B D E> B2 +B@ .@A> - !$' (@ J 0 ,$'$Q
' (, - ,,@D 6)' 31 " -C , 31 "
B D ,- @C2 f $ 31) . 83 ,,@C C!$' 3'(
;KK=(=6W+ +B@ B +,- .C 2 1 - $ = ' 0
(>+) D ,G2 ,G B B JJ@ C B@A B D
C@ C>AA A. B D C-.2 $'$ $! , '$ -C 3
, ' B D B@CC A.2 . XX CD B D B D
? -A2 +B@ B +@ B -C C@ B +@C B@CC A.2 & 3
&') ,!)* %& - ' - U@ C@ AD #A+ C -
B D J, B f $ 32$ 8;K<; A ' 0 0+
B D +C@@ b $ 31) 8;K<P A) ' . $' 0
0+ B D +C->+2 +B@ I>@+@ .>@ ' @ 0
+B@ 3@A-?-A@@ B+@ B2 & &') D)$!$% $3
! H B D ,,- 2 +B@ J A A. .C->AD - B D
B D B2 T +B@ B2 B2 -C J, B - +B@
+@C EG B D A +B@ + - J A A. B@A @
J, @ B@C@ B D J A" ' 0 0+ B D
-C ? 2 ' ' -C ? " B B +B@ --D - B D !@@
, -) " , .

SKM ' $ 0 ?& 0 PLQ - $, ,$ $ 0
B@ C> + UA- A A $>* @C+ AD2 \ 2 >AD@C +B@ A ?@
- !B D E@CCG -C !@C @ E@CCG ;KQ< 3 # ,
& * 0 & 31.0 !B D E CD ;KKL 7 A C>? E>,,
$- 'C& $? ?@ 8% >JJ, (^A /@, C@a
A J@ C@ ,,@D B D E CD EG ? AG - +B@ B@C?@A S!
4 8 7 $ 0 -0 =O !B D E,- -? B +C@@ .C-
E->+ +@@A @@+ A B@ .B+ SK) 3 9 $
2 6 AD@C +B@ +C@@ @C@ C -> - > BC>E A ,- @C B D
E,- -?2 +B + 2 AD X , 2 A C- GJ AU
;MKK . - &) " A LOP 0 3 AA- ^ a C+ !B D
EC D2 +B@A ! VC +2 +B@A 3 AA- ;KPM ! ' $
OK 7 +B A +B@ - D +B@ B DE> B2 B @ +B
,- @C OC .B+@A@D +B@ .,@A ;K< $ &" 8 1(>.
;;= O B@ +@CA B DE> B2 +B + - + C@+@ 2 AD
+B@ A-C+B @ +@CA 8 J@ @ - !$ - ?@ A@S+
;KPQ B $ && 8;K<=(L;M 7 @ ?@ +B @J@BY
?@C @ 8 E D ,G(?D G2 E->+ ? ,@ C-?#E@ B-C@
;Q<; 7 $ 0 OQK B@ B D C-.2 - ,@D A
&@AA G, A C- ?' +B@ C JJ@ C A. AD C- U A. A +B@
JC A. @ -A2 + +B@ + ?@ +B@ J@-J,@ E -C B D ;KPO
B)) - 8;K<=(Q< & A+@D +-C+- @ AD B D
C-. ;K=P A - 0 - (,$ 0 8;K=M(

79# $&) *))b /@U G % ,,@D T !B D "@CC A. 2
BC@ D "@CC A. AD T BC@ D B A @ 1-CU ;K=O
1 0 =PO & &'2 ,!)* %& - 0 %-??-A !B D ! ,?-A
;KK= <) ! @+ $ 0 0 D)$, ' - 0 LMO A +B@
!->+B@CA +, A+ !+ +@ + ^+B@ ! I>@+@ .>@a ,,@D T C@G
C->+ !>A C->+ AD T !B D C->+ '' ;KQ< <)
$ $!0 ' - 0 0 E0 0 PQ&C- -J >? I> DC, +@C ,@2 8$ B (
3 ,A@C] !B D +@C ;KK= <) ! @+ $ 0 0
D)$, ' - 0 MNM B@ -C +@ J A A. .C->AD - +B@
!B D2 -C T !B D 7 ,,- 2 +B@G C@ +@C?@D EG +B@ B@CY
?@A ;KPQ . $' 31.0 0 ?) ' 2 ,. OP) B@ C
^ B D a ->C +@ --D2 +B@ B D -C? AD +B@ BC ?J

* / ($ (0? ']U! ' 0 7 ? =6 ?70
=6(< ? '' 10

;KML 7 2 ' 77 ' 3 && C$* S O=N 85>AU(
,-A. ->C ? C + ?@ C @C +B@ J@-J,@ - +@ JC ,2 A-+
+B T >. C A. E>+) +B T B DD A. ;KK= C $!! $!!
<$00 O >. BO 5 B A. ? A,G -A + 2 + +C>@2 - JA-,
,- U A. 8 B A.(2 AD B DD A.

!B D2 73= ?70 1 7? ' '

9 ! 2$ E0 0 ^ ' i ((a

F> U@C - +2 - ,,@D C-? + B J@ 8 @@ I>-+
KMN(2 B@A @ F> U@C 3 -C@ >,,G $ 31 !!" ,&$ 0
;K=O C !$ (* & % - ;K 3 C 8 B-CA+-A - 0
<!& 0H .@A+,@? A A B D E@,,G - + ;KP= : .)R
8 !) - MQ E 0+ "@ B D D- @D +B@ - U2 -C
C +B@C +B@ B DE@,,G2 -C +B@ .- A2 KMN 0
- 0 8@D L(2 $ 31 !!" ,&$ (-A@ B B ,-J@ .C D> ,,G
C-? +B@ C-A+ +- +B@ + , 2 AD B A- A.,@ /C E - +
- +B B J@ C@ -CA EG F> U@C 2 B- C@ B@A @ -?@Y
+ ?@ ,,@D B D E@,, @

"@A @ !B D E@,6@D 2 # - + = $!" -
+ - +(f JC@ E # J@C -A2 B A. A
EA-C? ,,G +B A -C , + E@,,G

;K=P ! #B)) $ $ S 8;KQ=(KL 3 AG -C@ +BC@@
-CA@C@D B + 2 B D E@,, @D - + 2 B-@ AD UA@@ E> U,@
XK S " I= .3 .. $! S 2 B CJ--A@C A EC- D
E D E@,, @D + - + S!GS = 8 ! &2 '' Q
& (;O "@ U AD - ? ->CA >, AD +B A AD B D
E@,, @D ;KQ= 77. ,) 550 8;K<P(4=M "
- + +C .B+ EC@ +@D2 B D E@,, @D2 +B@ JC- A@ ,, +

!B DDG <7E3*?E4)(0 ' !B DD@2 73= ?
' Z & ' & L(LL4- 7?
!B DD@A2 3(<=L-44 K 7? '

O>/+ 9 ! .. & 0) 1$' -(;NQ 8 / ! (, @
+B@ B-A@G ,, E@ -CC>J+@D EG +B@ B DD@A A +B@ -?E

* 6 (2<<-0 10 1 0 $ 0 ^ ' 10 Q
;2a B@C -C B D

4MLN A 0 AA@,, , 0 $- 8;QPK(QK -A@ - +B@ D
!B DD@C B ,, .- -C+B +- B >A+ , +B@G B @ C@ @ @D
@ @ AD @A @

8:) DD*(2 I? ^% (' TU! $' 0

- EC@ U >J 8+B@ , C.@C J @ @ - C>D@ ,@ D -C@(

4MOO = . ',0 $23 , 0 OM= ^" @ D@, @C@Da ON
J->AD @ .B+ - +B@ D #C@2 .C AD@D2 B DD@C@D AD
B@D 4K<N 9 .. ! &'' && ;=P 8O / / (B@
, C.@C J @ @ @C@ B DD@C@D

!A DD-2 -E -C? - ' 6
8 D)(, - K B ++> U2 B D
D-@2 B D- U2 B D8D(--U ^ ?@D +@C
% J+ A $ &,.>(@@ I>-+ ;QNQ a B@ C> + -
) ,) - $'$ 8 , - ,,@D O 2: (2 + C@Y
@?E, A. A -C A.@2 E>+ @CG ?> B , C.@C A
+C +@C > @2 JJ, @D +- +B@ , C.@ J@ C B J@D
C @+ @ - +B@ J@ @ 2 +B@ ? ,,@C AD C->AD@C
C @+ @ E@ A. ,,@D $* %) 0

SM-M ^ @@ $ &,.]0 4QNQ . %$ - $,$ =; A
O CE D- +B@ !B DD- U >C +B- @ N): ? A .--DY
A@ B@ @@D - +B ? +EC->.B+ +- O CE D- EG -A@
% J+ A !B DD- U2 %-?? AD@C - A + AD !B J2 B-
+-> B'D + +B + , AD A B & .@ +- A., AD2 AD ,@ +
+B@ !@@D +B@C@ ;QON ! 8 .. $ "O : A 2 3C %--J@C
@AD ?G @ JC@ @A+ - -C A.@ AD B ++> U 4QM=
< 7) $ $' ; == B@ .-,D@A B DD- 2 +B@ -CY
E DD@A C> + [QQL %B DD- U ^ @@ 1 . V L J
!$' 2 @ ? A "@,D +B@ ?- + B DD- U
+-'B 'J C B@D ?->+B 5 $' &!! > 0)! $
C 0Q #C A.@ C@ D +A.> B@D C-? B DD- U EG +B@
-?J,@+ E @A @ - D- A -A +B@G->A. B--+ AD ,@

E B@ +C@@ E@ C A. +B C>+

K = &) $)>?&0 SS 8;Q<=(LQ; !B DD- U2
B B B +B@? ^+B@ @ a -E+> @2 AD @? C. A +@ -C
A-+ B@D @ +B@ @AD SKK ;L<
B@-C A.@2,@?-A2 B DD- U2 J-?@,-2 @C@ @ .B@D D- A
EG +B@ C - - ,,D@A A

-$ 1(($ &,.31&2 (@+

SKSK 3 8 % - !0 0 0 8;KL=(OL 3G - @ ,U
AD B DD- E- @C 4K<0 : 1. 7 ?$ $,.3 0 ?$!!$
;LN @ B +C JJ@D ? G C , - +B@ B DD- U C?, c_<
) . <$ P<0 B@ %B D- U #C @ c_&
' ,"!0 ? 0 O< ') (B@ .C@ + !B DD- U
-C A.@2 -C J> ? J,@? -@ c Nb< &) & - * (KS B@
-C A.@ +J C-J . +@D EG .C +A. E>DD A. -A ,@? -A
-C) DD- U +- U ;M<M !B DD- U +C@@ ^@@ J "$ *
" \ /) &) 5@E _ON B@ C .C A+E,- -?
- , C.@ B DD- U +C@@

6(<<7W 73= ?70 1 7? 6

6(<<0-W)(0 ' 8$ 10 (J <7?W K

$%> 2X 6 &&!) > ' P AD ,@+ ?@ @@
G-> +C>+ + A +B@ !+C@@+ 2 / J, G +BG CA +>C@2 " +2
%>C,'D !B DDC@

6(<<+ 73= ?70 1 7?

8J D(2 10 701= - D>2 @ D2
D2 @@D2 @D2 L D@2 P = B D@2 = K @D8@2
P2 Q2 < $!(B D8D@2 M , D2 MQ (-B D2
=2 M] B D@ ^3 . $ ("0 0 $) +C
@CA2 8- E, I>@ ,$, $ (, CC@. , $ + AD
+B@ EG -C? , $ A@>+ mD + A.2 , $ (J
$) +0 B@ ,@S -A , -C? , $ 2 5
EG 6 10(I -C+B@ >C+B@C @+G?-,-.G

B@ 3 , $ (?-D A. $ (D@ @AD C@.>, C,G C-?
+B@ A-? $) - +B@ @CA2 E2 AD C-? +B@ D + , $ (
B B - ?? -A +- +B@ @CA2 AD +B@ A@>+ E B@ A@>+
A-? , $ C@JC@ @A+@D EG 3 , $ (?-D D , $ 0
B@ # , $ -C , $.@A + AD D + D>@ +- +B@
A ,-.G - -+B@C E +B A-? A.2 A 3) 0 B@ A@>+@C , $
JC-E C- @ C-? + U A. +B@ A.2 $) J,>C , a

%- ? J C + @ D CUA@

& C+ , -C -?J C + @ D CUA@ E @A @ -
-?J,@+@ ,,>? A + -A @ J +B@ -?J C + @ D CUY
A@ > @D EG ? -C@ -C ,@ -J I>@ -E*@ + A+@CY
@J+ A. +B@ D C@ +C G - +B@ >A -C -+B@C,>? A CG2

$ A $!0 M $ 0 ;;M 8 C("GD@D B A@ @ B G, @ +@C
@ D@ ? A I ;LQ= B ' !0 ,0 XK B->
&-,G?G +B + ! A.@ + +B - ?@?-C , A +B@ B D@
AD@C +B@ , >C@C X=--)7 &*> $10 K=8 C A (
^%- U C- a % > @E ?@C@E >A+G AD JG,.CG? +- E@ ., D2
B@ +B@>G @CD@ BGD ADGC EZ B D 4!<M ' 0
(; O< @+ E@ / A @ 5-CC@ +@C 2 @A+,@?@A - +B@
!B D@ L%A* = . " - '' $ (SS2 A + , .B+ B D@
- + A.,@D +B U@+ 4QLN =M ;;L< B@
A .B+ E@. A +- ,,2 B D@ ??@A @ 4Q<4 O 9) 8
, 0 .0 <K ,- +2 B@C@2 B , ,, .@ B A@ CC G@D A
0 .-,D@A , .B+ B , B D@ + @, A B D@ 4Q<= =)"
% 55 " 0 E &!* & S, 2 B@ J@A @ B D@ - + , .B+
J,@ A. +- B@C 4Q<Q] $! $ '' &C-, 2 B@ B D@ -
+B@ ,-A. ,@ ;KOQ) 0 $)0 B@, DG +--D
A +B@ B D@ 4KPN - 0 %-A , SSS AD
+-> B +B B D@ +B@ EC D , D--C 2 7 +B +@AD@C .,--? +B@
C-- 2 +B@ ,, 4KQN $ &'%0 OPL B@A
E CD ,@ ,- O@+ @@A +B@ +@C AD +B@ ,,- ,@ @
AD +B@ B D@ I> @C + ,, B@ A +B@ , .B+

E $ &% $ f) 8 - D@ +B

$D A& ^ @@) 8 Ea 4P<[U '0 % K<
O>+ D CUA@ 2 AD +B@ .,--?G B D@ - D@ +B A> C-A G->
> "] O '0 (P=

&0 % 0 %-?J C + @ -E >C +G %G@ ,G A
JBC @ 2 &1 ' $ (+- E@ A C@+ C@?@A+2 +-
E@ , ++,@ UA- A & ,$ (&2 ' & $ (*)
' & $ (+- -E >C@ EG -A+C + - >J@C -C
EC ,, A G2 +- >CJ - +- C@AD@C A .A A+

4MPN $ 1 . $ $> &2 0 $ L B->.B
? +C A.@C +- +B@ %->C+ AD % ?J2 ? A - +B@
B D@2 G@+ ^@+ a ;Q<M B 0 C $, 8;K<O(PP
B@G +BC- +B@ , .B+ -A -A@ D@ -A,G - +B@ C @ P +B->.B
+B@ -+B@C D@ B B U@J+ A +B@ B D@ B + ' ?J-C+ A @
+-- ;KNM 0 " - !0 4 PPM : B @ B- @A +- C@? A A
+B@ E DJ ;K;< SS 2 " + +B-> ->.B+
C@ >.@ C-? -JJC@ -A A +B@ B D@ - +B@ -A @A+ ! ;KO=
6)$' S S, 2 D@, A@ ->,D +BC- A+- +B@ B D@
B@ C -C+ - B , JC- @ -A ;KPO ? ,.> !& OO<
1->A.' %C ? -A 9 A. J>+ ,, -+B@C E@DD A. C @+ @
A+- +B@ B D@ SK) 2 ,&- 2 " - A
@ @@ ? A EC ,, A+ I> ,+ @ B@ B + @ ,, A +B@
B D@ 4KK= $' ,.(5$ - 0 # 3 G = Q A+@CA , + S + -A
- @S @ @ A -+B@C &-C+>.>@ @ -,-A @ +- +
@ @A A ,, E@C , + C A+- +B@ B D@ ;KK= $ 7 B
?$,&'' MK O -A + ,, C@? A@D A +B@ B D@)

D $' %0 ,@@+ A. ,--U - D J,@ >C@2

T ,->D -A J@C -A' E+- -C ->A+@A A @

SKSK &1 &" S, 2 B@ B-,@ ->A+@A A @ ,- @ +
+@CA@C B D@ 2 AD E@ -?@ @C@A@ ADJ, D ;KLK
! , 2 B D@ ?@ - @C B@C -C@B@ D 4KQ< I 9
"* 0 ?&' ;KL B D@ - AA-G A @
C- @ E @

/ AJ,>C $ =&%' (&% ' ' (

@+ (+B@ D CUA@ - A .B+ +B@ .C- A. D CUA@
+@C >A @+ , -% 0

4PKL B ' C K 7)@ B D >C-C
C@?-->@D 4P<L , 0 (;QQ - D @,, A
-,@?A@ B D@ - @AD,@ @ A .B+ A%J& = . & -) PKN
A .B+ AD B D@ 2 " - C@ G@*-G CD +B B@,, A +C J,@
UA-+ 4MMQ] C 0 0 ;N;P B@ 5 @AD2 ,@D 3>C?>C A.2
AD +B B ? ,@D +B@ B D@ - A .B+ A% A)
! & $;KO ! A JC@ D -A @ . A +B@ !B D@ -
.B+ ;Q;Q 1 0 & 0 0 ?!&) ' (B@ B D@ -
+B@ @ @A A. - @C+--U ?@ A>&&) C! $ 0 -$ 0
" - A+2 " - ,- 2 +B@ D A - O@ >+G AD -
C>+B2 OC@ U +B@ C@,> + A+ B D@ - .-+B A .B+ OKS=
0&% ! ' ? 'SS' B D@ - ?@D- A] +B@D G
B>+ A J> 0 (' B +B U B D G
- A .B+ C@ ,, A. A &+ $ 1"3 ! & "
+ B@ B D@ - @ @A A.'B D EG+B + ?@ ,,@A' >J-A+@C@
I>@+ +@ ;K=4 76 5, ! &

E > $ " B@ D CUA@ - +B@ A@+B@C
-C,D +B@ E-D@ - +B@ D@ D2 " D@ 8# +@A
AD + A.> B E,@ C-? +B@ -,,@ + @ J,>C , -
@A @M(

OP<= & ! $ ' ;NQ 7 B@A B ,, +B ' ->,@ -
? A@ %-? +@ +B@@ A +B@ B D@ M-S
1 ? .(" ;SS2 7 B@A +B->?>+B-?@ B D@
- AD@C .C->AD OMLK) C$ $* 0 6&1 SSS
8;M=K(PN -?> A. %,->D)A-C !B D@ A@CA ,,2 A
5C-? B A I> CG B D@ - @AD A. 3 A OQOK !$
S L=< !@A EG .C@ * S +- +B@ !B D@ - "@,,
OP=< (2 B@A ,@+ ->C -CD / ? ,
B ?+-+B@ B D@ OKSO 0 $ 2 AD @@A -C
B A.@ @A@ ->,D @@U +B@ B D@ E@,- O<NQC B
%-> " & 0 & 0 > C& - S +@C +B CD ++@?J+
+-'@?EC @B ?-+B@C A +B@ !B D@

JJ, @D +-+B@ -AD + -A - +B@ JC@ @A+ @ A
-A+C ++-+B + B - B@ @A2 '&', 3) 0

SKSM : 9 " &%'C!$) PL 6 J--C D @,,@C
A +B@ -@ >, B D@ # ?-C+ ,E@ A.

$2 ' AD C$ ' 0 E @A @ - -?J,@+@
,,>? A +-A C@JC@ @A+@D J +-C ,,G +B@ J C+ 2
-C J C+ >, C J C+2 - J +>C@ B B C@JC@ @A+
+B +B@ D CU@C -,->C@SJC@ A. E @A @ - ,,>
A A + -A + +@A A! $ 0

OMMO 3 . ,)!*) $ 8;<NM(K< &@C@, B D -@C@D
J C+ >, C+ ,@A+ -C AD U J 2 A-+ , ++,@ S @@D@D A
+B@D CUA@ @- B @ ;QSN 9 8) $
8;QPK(=N 3 @C E,@ J A+ A. +B->+ B D@ -C J@C J@+ @

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

6(<-W,- -E -C? -) 8

6(<7W+ -E -C? -) 8

6(< - 8: @D A(^) 10(+@C "

) V +C D@A ?@ -C +B@ ?@AB D@A2 JC@ @C @D A - , , U@ CD A@

;QK 6 3 B 0 ;LO + -A +B@ B-C@ - +B J C+ - +B@ , ADV B@C@ +B@G + B +B@ C E@ + 6B2 > B @ E 2+@ + . -C EU U B22 B D A@_J U@2 \ ;K=O A - 0 - 0 ,d d 0 8;K=M(: : & !& $ $ '$! J-++@D !B D A@ XKKK <) - 0 LKM T ?@C A ! CD A@'2 T ?@C A %,>E B B H T !B D A@ " AD T # @ A C->+

6(< -== 8:) D A@ ( ) $(i !! a

B@ I> , +G -C -AD + -A - E@ A. B DG

;M;; %- $2 $, -J +@2 B D A@ @2 ?EC .@ ;MP :2 9 7 +C $-) @ 6 $0 C$ $ &5 LM; B@ !B D A@ - +B@ %B ?E@C 4KML0 + $0 - $0&' KO + D >,+ +- @@ +B@ E CD A +B@ --D 2 -A ->A+ - +B@ B D A@ - + D @,6A. J @) & (.C@@ +B G-> +- +B@ B D @ W - +B@ C +C A) +

6(< K 8JVD .(2 1!0 10 ^) @

,a B@ + -A -) b A C -> @A @

: &C-+@ + -A C-? , .B+ -C B@ +

L%;L 7 ! - $ - '0 B D A. -C B D- A. XK X V ' !2 0 62 +ED>.B+ : ? .B++ U@ +B@ JC ,@.@ - A -,D -?C D@ +- C D@ C- +BC->.B +B@ +C@@ 2 E-+B -C B D A.2 AD -C)) D A.- D> + ;KPK < . " $" ?.0 O;N ; ++@A+ -A +- +B@ +@C A. AD B D A. + ,, +B + C@ I> C@D -C +B@ @ + E, B@D J, A+

; -C@ B D- A.2 D>?EC + -A

7 -$/!7 C 0 O=K 7B +@ @C B D A. ?-C + , +G2 " D -?@ ?-A. +B@ @ -E*@ + B@C@+- -C@

L /@, A@ + -A - B D@ ? CU A. -C -,->C A. C@ @?E, A. +B

;MML K &) ' !N & A+ A. >J-A , +A+->,D A.2 AD @+ -A +B B D A. ;QMM 5-$/ %B - 0 &) ' &- ' 8;QMQ(OPL B@ E> A@ - B D A. +B +B@ A@@D,@ A- @,D-? +B->.B+ - E>+) BB--, LdJ1 J 90"! ',+) ,.(2 6+,@++@C AD D CU B D A. KKX = &* $ & 8;NNL(;=K C \+ -A2 B B A ?-C@ A +>C , + -CU . -+ EG B D A.

% 0 $ 0% = 66 A)$. < $' - & . OP= : @ C +B@ ,A@C B D A. @A+ C@,G -? ++@D A +B@ ? U A. - ?@

E) 0 B@ ?J C+ A. - , .B+ AD B D@ '

R&&R c? V &) 0 ,&) , LL; B + @SJC@ -A 2 -E+ A@D EG +B@ ?> B D@, +@ B D A. - + E> +C A J- + -A - -A -A A+ A-CD

! ? A>+@ C + -A -C D @C@A @ 8- -,->C2

B@A @ - I> , +G2 J@ @ 2 @+ (

c__b $ *6- < ??-0- * K0(<(* 7 7? D747E0= ;KPK $'0 S S XMK B@ @ @A -,-C AD +B@ C B D A. ;KML $'(< %&!0 MNO JJ@ C A @ >..@ +Y A. +B@ <-(7? > B =6(< K ?-A. =L-D -= (0- 0(0-

E $ ' &%%5 D@ C@@ A +B@ A+@A +G -

-,->C2 -C + J .@ ' & -?@ -+B@C2 EG ?J@CY

@J+ E,@ .C D + -A , -G) - I> , +G2 J@ @ 2

-C +B@ 6 \+

;KPK = X3 A *0 ? 0 &,0 ; MN B@ B D A. - -C@ A@ @A @ - + A+ ;KKP $', 0 5$- 0 9 3 C P = A .GJ+ +B@C@ A- .C D> B D A. - C-? @C+ ,@ A+- +@ .C-?) OKP) * , & M : A QQ O B@ 6A @C +G ,@JD + A ,>@A @ - @A +- +B@ B D A. - - -A@ J-, + ; , A+- A-+B@C

M +->A. D- 7++2 I> , G A. 8- + +@?@A+(

;K;K &1 &" S A B@ C >?,- >+ -A 2 B D A. 2 - +@A A. 2 AD J@C JBC 2 B B > > ,,G -?J AG @SY J, A + -A E@+ S+ J@C -A - D @C@A+ @S@ A +B@ B .B@C -CD@C - - @+G

!B D A $0 ^)] N

#O: S!U+ B D@ 2 A C -> @A @ - +B@ E

-CD A. JC-+@ + -A C-? B@ + -C , .B+

$ * 1 ' ,$ $(2 S &Q 8;<;O(ML C @ 8 B B J,@A+ >,,G .C@ @2 EC->.B+ >J >AD@C +B@ C@ # +B- @ @, B D A. +C@@ (MQ; = . C 0 0 ,, OO; B@,+@C AD U AD - B D A. --, A+@CJ- + -A2 ! >??@C ,->D ,$>+0 P " %)&%3 $! - 0 ;P 7 ,D G ?> 2E, U +B B D A. J A@ 2 ;<;N - 0 <$00 ;< 5@E ;= O > B B D A. B) @C@ JJ, @D + ,, + ?@ +B@ ,@ CA@ - +B@ JB-+-.C JB + U@A ->,D E@ CG ?> B D@ C@C

O /)>@ ++A. E D + 0 $ j H

;MMQ = . C 0 0 A PN< B U +B J CU, A. -C @A+ @??@ B@ &-C+ , B-A2 A ? + E,@ -A C+B 0 G 3 -D@,2 -C :) B D+) &@A , DC A

!B D- 9 2 -E %& - -) :D

!E D- A. 2 -E -C? -) 8 7

!B D-- 8: D) ( ) - E D-> 2 E GD>

-B D-> ^ .G*C+ A C E .) %

-A+C A @ > @D A +B@ + -C C A. +@C -C

CC . + -A J>CJ- @ 2 -A + A. - C-D -C J-,@

-CU A. >JCA J -+2 + -A@ @AD - B B +@A@D

E> U@+ AD + +B@ -+B@C @ .B+ +- @C @

->A+@CJ- @

;KLM & 0 "* (5 0 LNN B@ ?- + -??-A - +B@ @ ? B A@ ;W +B@ T B D-- $ J> 9 . $''0) 0 ',0 "* (8;K=;(: PL B@ ?-D@ - CC . + -A EG +B@ $ &&%(S) ' " &- -0 ==Z B@ X J, A+ 8 A .GJ+a C@ +@C@D J@C -D ,,G EG ?@ A - ! UG @B 2 !B D-> 2 -C +@C B@@,) ! Q LI & . &* ,0 !@C <N O B@ B D-- -C B D-> - .GJ+ ;<N) " 1) &1 & 0 LLK B@ @,, B -CU ,, D G +B +B@ C B D-- 2C A. +@C +- CC . +@ +B@ C , AD

!B D- 8: @D# (2 10 5-C? & (-@ +

D @2 @ D> @2 -@ D@ @2 O L - D@ @2

O P , D@ @2 L , @ D @2 - >D>2 D>@2

L] -B D 8@2 L P B D@ 8@2 L Q -B D- 2

] -E D>8 2 B ,D 2 , D 2 B D>2 , -D- 2

D @2 OO @ @2 ,0 - C@D- 2 2 = P E

D>@2 B D A@2 = M B D- @2 =2 M ,0 B >

D- 2 =2 M Q B DD- @2 = Q E D- @2 =2 Q B D->2 P -E D-2 B D@ 2 B@D- 2 P Q B D D- 2 M B D-@2 E D--2 E D->2 E-DD- @2 !U E >D->2 -E DD->2 M Q ,0 @E DD- 2 Q E DD->2 K B D->@2 = E D- ^C@JC # , $ B "2 (-E, I>@ @ - , $) +C @? +B@ A-? >. 2 +B +B@ C A+ -C? , $ - +B@ -E, I>@ @2 AD +B@ EG -C? , $ A@>+ 2 C@ C@JC@ @A+@D EG ' 10(I B@ @A+2 -.A +@ B- -?@ C + -A A D@ ,@A -A AD .@AD@C # ! ,$ & ? -C @? 83 , $ (, $ 2 (?-D , $ (,.$ (, $ (, $ 3(?-D 7 5C .$ (5C , $ (5C .$$ "(3 /A , $ (, $)2 8?-D /> , $)2 @? (# " ,$! ? 2 .@A + ,$ 2 83 " , $ (, $ +C AD U ? 2 , - , $ 2 (@ C,G ?-D , $ U ? 2 ?-D , $ ' ? (A+ A. A # 8+B@ ?-D -C .$ $(.& $ -.2 - D->E+ >, -C . A(-+B2 .$? B@ # @>+ -C? JC-E T .$ 2 &30 ? -C T .$ 2 $ @? 8+B@ +C @ -) D@ ,@A -A A -+B2 AD # E@ A. DA@ +- A ,-. , ,+@C + -A(JC@ @>+ T & 2 &3 (32 $ -C T .$ 2 0 (32 : C VP & ? AD A@>+ 2 D CUA@ 2 #%@,+ T . &3 ? 8 C B , (%-CA B (OC@+-A D)) (7@, B ,"3 & (B DI (a

%-?J C + @ D CUA@

%-?J C + @ D CUA@ 2 @ J +B + > @D EG A+@C @J+ -A - , .B+ +C + - J C+ , D CUA@ JC-D> @D EG E-DG A+@C @J+ A. +B@ D C@ + C G - +B@ >A -C -+B@C ,>? A CG % @A @

O4OKN ? $ " M=K / @AA@ @>?)) >AC D @2 AD :@ (@! E +C@ A D>- , " \< & 0 (? 11 2 0 A 7 C .B+ &,0 ;P< J> > E-G @A >?EC$6 !& A +B@ D @ 8 X D@ @(a & @C-? D@ ->X - @C GB $ $J % B & ' 0 & ;=S; AD GC@ A B D- @ @>@CG @6 , =LC 9 C &!0 C& - ;N= ! -) + >AA@2 EG BG J-> +@2 (CG>@(V @G B D@ @ ;PPP) ,$ b 8 CE (S-M B@ B D- @ - +B@ +C@@ -A+ . -> $%+J $ 0 %& 0 OLQ B + +B@ + ?@ ? G B >@ ,, B D- 2 AD ,@A @ A 0 S!X- .U "*) 1 $ + =NN 7 B@C@ +B@C@ A- AD@S +- D C@ + +B@ +C A.@C -A B G2 A-C @ @A +-A@ -C B D- +- B@,+@C B ? C-? +B@ -A KMN) . . < !$,0 = B@ C-A+ - +B@C D.@ C@? A A B D- ,, +B@ D G ;<NK $ 7 &' '$ $'$ SS OPK !B@ I> @+,G +BDC@ C-? +B@ E@D D@2 AD +--D A +B@ B D- - +B@ >C+ A + + B@ D

E $ &2 & % $ 0 E, , @*) C@ -A 8

4 4 AD V 1$ P & " >,.) -1 $ -& +

@?E-DG A. A A @A+ A+@CJC@+ + -A - "@E

?-E 2 +C D + -A ,,G - , X@D %&! - $> (%

B D- i D@ +B

,D AD ? AG -+B@C B-, C 2 B- @ @C2 +B AU +B@ -CD B->,D E@ JC-A->A @D D$!- 8-C *H0 ! - ; C E d% !$%'$ H AD +B + + -?@ C-? +B@ !@? + C--+ ->AD A C E2 $! - $ +- E@ D CU "- @ @ +B ? G E@2

+ A +B@ #,D @ + ?@A+ ?@C@,G J-@+ -CD -C A+@A @ D CUA@ 8 - +B@ ? C. A - +B@ $@ @D @C -A2 T D@@J D CUA@ 0>+ +B@ JBC @ B D- - D@ +B " B 8 A A. A %BC + A + A AD -+B@C , A. (- +@A E@@A > @D +B C -> ?@ A A. A +>C ,,G >..@ +@D EG +B@ -CD +B@ -??-A@ +> @ +-D@A-+@ +B@ .,--? AD B-CC-C - JJC- BY A. D -,>+ -A

$!! " & % $ &2 & % $ 8& SS = A A. @C -A C-? %- @CD ,@ ;PLP * +B@ @ C, @C @C -A -,,- +B@ >,. AD 4 4 2 B B C@ D T ? D + " A +@ D - T ,,@G '(- +@A JJ, @D +- +B@ @SJ@C @A @ - E@ A. EC->.B+ EG ,,A@ JJ C@A+,G A@ C +- +B@ .C @

$' & % $ &2 & % $ H CB@+-C ,A ?@ -C +C + - 7@ +@CA C A B B +B@ ? -C+ , +G ? 3A. +B@ B +@ AB E + A+ @CG .C@ +

8 O<NN 8 B . 6 J)@,-A.@ @C D@-C D@ (V@ @ D> DC@-) A @-,D A a X- $ - 1 C 0 S- / ++@AD A -A J@- +C>? \ -A @ D> @D@ B@ O;L)N ' " 1 . C $! ;N A B D- - D@D2 A -> , @2 B + !2 G? .@ - @AD,@ D@D , ;LKM B C$ (H ;QQ B@ ,-AD - ?G @ @ AD - D@CUA@ @2 B@C@ +B@ B D @ - D@@+B + f "&1 S OO2 >,. +@(;PLL 3) . V S>^ = B->.B B>,D@ ,U@ A- A +B@ ,,@G - +B@ B D- @ - D@ +B 8 - ;M;;a ;MQK B C ! 0 ; 8;<NN(PK - + +B@ @AD - +B ,,@G2 A-+B@C2 ,,@D +B@ ,,@G - +B@ !B D- - /@ +B ;KK< T = 8 $'. $ 0 V ( ) > 0 =) G->' @ + B@D G->C B ,D +BC->.B +B@ ,,@G - +B@ !B D- AD @@A + -?@ E U +- , @ ;K<Q = : 7 . 0 % ,$ ==; B@ D@JC@ A. @A@CG - +B@ AD - +B@ !B D- - /@ +B] , AD +B + +C@+ B@ C-? -C@@ +- - AD ;<SN & ' 0 $ 0 /@ =QK O B + ,,@G - +B@ !B D- - /@ +B B B , @ E@+ @@A 7 -, @CY B ?J+-A AD 0 C? A.B ?

6 0 +B C -> A-+ -A ,--?2 >AB JJY A@ +@?J-C CG A+@CC>J+ -A - C @AD B J -?@+A A. +B + -E >C@ +B@ ,> +C@ - C@J>+ + -A OKPL 76 2 $ S2 - @ >A B A@2 B +@ B D- OK<= . !&, . &!- LK B@C@ A@)C B D- E@+ @@A > >A+ , +B >C @D C2E@. A 4<NP ') " $ 0 >. =K= ; B@ @J -D@ ,@ + A >A -C+>A +@ B D- -A +B@ J-C+ ? A B J - +B@ +-C

/ * 0 B@ D CUA@ - A .B+ +B@ .C- A. D CUA@ +@C >A @+

$J A 9 . 1 & ' &!(;Q - +B@ + ?@ +B + +B@ D JC A.@2 AD B D@ 7@ E@ E- ,D A2 XSM S B \ - . C&) C!$" ' ' 0 0 $ 7 U ;<;O 4 L=< @ ?@ > B U @ +B@ F>@@A - B D- @ +-)E@ ,@@J A. E-G B@ +-,@ -A +?> OQOK B 7 , $' S S2 B@ + C C@ EC .B+ - B@ + +B@ A .B+2 AD B@D2 +BC- B D- 2 +@?J@C) C@ SKM 7"< B.) " - ' &2 $" &O> T 2 !B D- - +B@ @ @A A. !+@) C- +B@ UG

+E $ &2 +B@ B D@ 2 " D@ 1 0 $ 0 4=<N L ' " & SS2 QL 7 B@C- B ,,@ ? U@ ?G C@) C+@ A+- +B@ JCG>@ .-DD 2 E@GA. A +B@ ,- @ B D- @

C$ ' ' AD $2 ' (B@ D CU@C J C+ -

J +>C@2 @+ C@JC@ @A+ A. +B@ ,@ ,,>? A +@D

J-C+ -A - +B@ -C . A , , - +B@ -,->C > @D A

+B@ + A +>C@ - > B J C+ f) 10 L 8 B B

A- ?-C@ > > ,(

=KM ? . 0 0 !1$ ' (0 *2 D- +@+B@@C G + - @C+ GA B D- - ?G,A@CG C- + B@ +B B@C@ -,- GA. 8@+ (;PML % - - J + $) ' (- 1 * , & ' - !B D- + A J@*?@+GA. ;MQP 8 (**0 - ' ' < A S @,,@A+ !B D- -C #,D 3@A 0-D @ 2 +@?J@C & AU2 U@2 AD $@D @ D ;QQK : .) ,0 , 8;QQ<(< Z +B@ C + A>@ C@ J@ + A. B -AD> + AD ? A .@?@A+ - , .B+ AD B D- 2 ->,D E@ B + @-A CD- / A B +> ,,G . @A OKKP & . &* ,0 !@C LMP ; B@ C@ >,+ A@. + @ B C?-A -> C-? B .B , .B+ +- ,@ C B D- ;<NQ :) 7 ! - 0 C & (8@D M(;;M B@ , .B+ E@ A. E CD AD +B@ B D- D@A @

? .@ + EG E-DG A+@C @J+ A. , .B+

B@ D CU .>C@ B B E-DG T + " -C

)+BC-) 6J-A >C @ EG A+@C @J+ ,. +B@ D C@ +

C G - +B@ >A -C -+B@C ,>? A CG +B@ ? .@ 8 JY

JC-S ? +@,G @S + -C ?-C@ -C ,@ D +-C+@D(B B

+B .>C@ JC@ 3 + - +B@ -C? - +B@ A+@C @J+ A. E-DG

$ 4LNN) & (;<OQ J@ @U@ C E-? V ? -C +- ?@+@2 V + J@+C@ >D> #D !>,D C A@ aV C- B D ? A @U@ ?@D A@ " V V C$ 0 O+O%@C+@ B D @B +B +B@ , UA@ @ - +B@ +B*? . - B B + B D @ , ;=PN . > $ H ` ` 7 B@C@ +@>@C B@*@-D@2 I D B B D- .,-D-A @U@E-DGbB@ B- @ A-A [PPL 9 . ;; PM2; -,D@ G-> A-+ +B@ B D- @ - +B@ @ ;MLL 1 < & (!0 ; S OOM B@ B DD- , G@ ->AD +- E@ -JJ-Y +@ A J, @ +- +B@ !>AA@ E@ ? OQKP 3 - .) 7 * !$, SS B2 -CD CE-CA>.B -,,- @D ?@ E->+ , U@ B D- OKOO 3 - !' 0 79h , J @ - +B@ ?--A C@ - A. +- +B@ B D- - +B@ @ C+B , A. >J-A +B@ ?--A OKQ= +C & - - !> ;= A -J I>@ E-DG ,,>? A +@D -A +B + D@ - + >A @ B B +>CA@D +- CD +B@ , .B+2 + -JJ- +@ >C @2 @,, J @ - @C@D EG +2 +B@ B D- 2 C@? A D CU

% 0 S+-S 1 . . &, $ '0 PM %-? A. @ @A+ + +B@ C B D- E@ -C@k

E &BC @ 2 &1 $% $ & % & ' d' ' $ &2

+- E@ >AC@ -A E,G + ?-C-> $" "&) $ &2

' &2 =1 + ! \ f ? G G-> U@@J -A A C@ A.

8 A JC- J@C +G(: 8 &@C A JBC @ a

;P 7 < 6 ' & '0 7 B@+B@C B@@ @C@ C G@D - -@ B D- @ +B@ +C>+B 2 +B + +B@ B-,@ C?G C@+>CA@D +- +B@ C !B JJ@ A A& F= V $ B ?1 SS " M= T 3 G B B D- A@ @C E@ ,@ D A-+B@C OKML $ 5 B $' 0 0 % ,$ <'& 0 B@ , ++,@ @@+] ? G + B D- A@ @C E@ ,@ `] E@. A +B B C+@C@D B J 2 O : A 8% 4 B@ C@ J @A+ B-J@ 2 +B + ! C B D- ? G A@ @C .C- ,@ !

N +GJ@ - B + ,@@+ A. -C @JB@?@C , $ OOQO)) & ' LO A (0 ,0 <= J> (V@W -C,D J> ? GB+ @-) - (V@ B D@ @ + .,G+ G $J&+ ' " 1 . C 0 &' , Q;P 3 A J @ G , B D> -A +B@ -?@C D G ;O=SL ' . 3 ' 0 C& - MQ G J +B B D @ A @>@CG .@ A J+ SM- A +B JB A+ ? .-C ,J, @ ^4k-AD-A,+B@ -E*@ + - +B@D G -?@ AD D@J C+ U@ B D- ;KQ; 8 . . " - '(T $" $' & - ' "A 2 B D- , @ ,@@+ A.

D * , @+ ^H $ &2M +B@ .>C@

+BC- A EG A -J I>@ E-DG >J-A B-C X-A+ ,J, A@

+- B B + J@CJ@AD >, C i &' $ "(+

$ &2 +B@ .>C@ +BC- A EG A -J I>@ E-DG

>J-A @C+ ,J, A@ +- B B + J@CJ@AD >, C

< &- , $ &2 +B@) C@ JC-D> @D >J-A

@C+ , C@@A EG @S+@A \ . +B@ , A@ C-?

,>? A-> JD A+ B B @A @,-J A -J I>@ E-DG

J, @D E@+ @@A +B@ C@@A AD +B@ J- A+2 '

&% $ &2 *@ @A.C @D >J-A -?@ ? +B@Y

? + , A +C>?@A+ > @D A + U A. ,+ +>D@

8*" /0 ,

;PQO 77 C$ ' &- 0 , S / * E2 3 CU@ @,, +B@ D> -A - J- A+@D +-> B@D A G->C ,@2 +B@G E@ - C .B+ B D- 0>+ AD +B@G E@@ - -A+C C @ B D- 2 -CU@ -A+C C@,G OM== (<) ' ' " ;; 8;MQN(LQ 0>+ - -AY +C CG -C @C 'D B D- 2 ?>,+ J,G +B@ D + A @ C-? +B@ ? DD,@ - G->C --+ EG +B@ J C+ >+ QOQ PO " 0(A)$ $(A $ $) - (,,@D , - & - ,$! D)$ 0 AD ! ' & % $ &2 (A DD + -A , ?@?E@C -A +B@ @ - +B@ -??-A >A+@C' AD !>++-A' I> DC A+ SK - ' , " , !0 ? (4 PK; ; " - +- J, @ J, A@ I> DC , +@C , - . @A -C? - +B + + .@-?@+C B D- ? G E@ I> C@

@ $' % 8!@@ I>-+ (

OKQP) . . &) ' ' 8@D L(L;Q B@ J- E,@ A ,>@A @ - ->AD B D- OKKL 1 0 8@D =(O<< $ ' (-> + !B D- OK<)) ' .T $' 0 ($ &2(C@. -A JC-+@ +@D -C C@@A@D - C-? C D + -A - AG U AD > @D +B I>)D + -A -C A -?J- + -A 2 ->AD B D- A @,@ +C B D-

M A ,-- @ -C @S+@AD@D 6 @

C@ ,@ +@D ? .@

? , C> @ # +B@ -CC@ J-AD A. E ->AD A ? AG -+B@C , A.

, ;;Q) $ - 10 & '0 O< " > ? B+ B> @-A B A@ @ D@ @ A -A@ +@C@ , 0&& '0 &! 0 & '0 #_ " @^*C ,?? Aa E B ,+ B C@ B@ @C@2 AD >?@D B C@ B D@ @ B C-AA@2 B@ B D@ @ B C@ + E@) 8@+ (I$J%% B & - 0 & ;PO< " @ 8*C C > (,->@D@ B - A@ B D- @ -- B + ++@ , +@ B@ + C -C -- , ;=QN ' & 0 $10 4 = &5 &!%+ SS 2 B@ B D- - +B@ ?-A@ @E-A@ A +B@ @,,2 .&5 6) !0 0 ;0 PK ! +>) 3 CC-C B + G-> ? .B+ @@ G->C B D- OM<O 9 2 $1! 2 P O>+ ->+ - C@@D A@ +- .@+ O-+B2 B@ +B@ D-.(%B-J + +B@ !B D- 2 AD - @ +B@ !>E + A @ ;Q<Q K .) 7

' ,($ T 'S 2 AD -A +B@ E G +B@ ? - -A, .B+ , G2 AD +B@ B D- '- '+B@ 3 - -A $ +J 9) 8 $ & 2 E ' == @+ B@ A -A + ,, ! + 3 CG U@ 5, - + D->E,@2 A AD B D- ` $ AJ A ' ' 3 SS S2 B@ J, A@+ 2 , B A@ E- @ > ', ++,@ A ,>@A+ , - ->C D@ + AG2 +B@ C B D- 2 B@A C@ ,@ +@D A +B@ C @C2 C@ J E,@ - ,+@C A. + ->C @

i'E B@ A+ JJ@ C A @ - -?@+B A. @@A +BC->.B A -E AC A. ?@D >? +

;P<= . " 2 &(; =O @+ +B@ B-,,@C C +@ J-A +B@ B D- G- +B@ +@S+ , A@

- JJ, @D +- +B@ JJ@ C A @ - D@.@A@C +@ -CJ> ,@ 2 E ,, 2 @+ A+,G E,@ >AD@C +B@ ? C- -J@ , - UA- A !!3 $ &2 0

;KKP ?) , . > 0 $ ' 1 . 0 ON= 8%@A+ ! >JJ, (2 B@ - >CC@A @ - T B@,, B D- A +B@ E, - -D +@C C@,@ @ C- ? +B@ E@,,* C ;K<M !!1) > " 0 (KL A +>E@CY >, - + A-+ >A> > , +- AD A +B@ . A+ @,, - ?@ E ,, E>+ A+,G +C @ E,@ >A + A@D2 +C A ,> @A+ B D-

M / A >AC@ , JJ@ C A @ D@,> @ @?E, A @ -C ? .@ A AD >A >E + A+ , -E*@ + - J>C > + # +@A -A+C +@D +B * 0 '

$;OOP ' , 0 0 LMM " @ :V@+ A@>@D@ A->+ - >AA@2 E>+@ B@ D@ @ -A@ ;POM 1 9 A ,, 0 0 ! @C , S =O2 B>,D@ E@@ E D- - AD G ? .@ - A C B@E E-J AD @. +@2 - D@ - > +-C + @ AD *>C D Y + -A ; ,, - 2 <MP B@ @ G >E + A @ - +B@ ?E + -> ? @@C@,G +B@ B D- - : / C@ ?@ R I = B ,(C& - PO BG J,)@ ->C E-+ J A@2 DC@ ?@2 +-G2 B D-> ;QN ; -) 1& - 0 =; ' +,@ C@ !B D- 2 %C- A C@ @?J+G +B A. QKN B * 0 ? &! ,! ' ' C &!!&R B@ -C+BG .@A+,@? A B @@, A.,G +-,D > 2 B + B D- @ C@2 AD B + B D- @ J>C >@ ;KN< = . < !? $ S 8$+,D. (=NP B@ ? A +@C A- D@+@C? A@D +- @ X@ +B@ >E + A @ @,, + B + +B@ B D- 4K=N : " (8 C$ 0 - 0 0 = +JC@ @A+ @ C@ A -C,D - B D-

i'E JJ, @D CB@+-C ,,G +- J-C+C + # +C +@D +B +B@ -C . A , , - +- B +-C -C J, G A -A+C + +B +B@ C@ , +G C@JC@ @A+@D + 1

;PKN . 5 I I 8 CE (OP< 5-C JJ@,,@ B D- @ C@ +- E@ @@A@ - ,@S AD@C2 E>+ A-+ ,@S AD@C - JJ@6@ P<N (0 ; O;L2 =LN ;P<;] 2 & < ' 0 ;OM - G->C B D- 2 ,, ? U@ +C>@ ,->@ ;MN< 0 & - $ ' ') - (2 A 0>6@A 0 C 0 L=Q : B @ D>?E@ B@ @ - ,, +B@ CJ +>C@ 2@ B B @A+ A B @ @C , B D- 2 * $! ' !) 1 , !!0> (H ` 4 " @ -A+ +- . X@ G B-,@ D G -A B@C J +>C@22 JC + A. >J-A +B@ B D- +- + B ? @, -C +B@ >E + A @

- A -E >C@ AD + -A G?E-,2 +GJ@ JC@ .>C + -A2 -C@ B D- A.

;LKO 9 . 1 &!0 ;Q B@ E B@ E@A B D- @ - +B A. +- - ?@ -C -+B +B@ E-DG - %C + ;POM C ! 0 C 0 8 7 D@ 7 2 ;PL;(L E2 0>+ ,, +B@ @ @C@ E>+ G.>C@ AD B D- @ - +BGA.@ +- - ?@ $% > = . C 0 0 S OLL $@, . -> $ +@ # C @ * A -C? A. +B@?2 EG +GJ@ AD B D- @ 2 - +B + D@. AD !@@D +- EC> @ B@ !@CJ@A+ ;QN= 8 6 . 0 * $ 0 * 0 3 8;Q;;(LNP %@C+ A >C -> 5 .>C@ 2 B B @C@ - ? AG !B D- AD ?E,@? - +B@ B-,@ 3G +@CG $ // : 7 . 2 0 & f S S2 B + @+@CA , -C,D2 B@C@- O B@C@ E>+ B D- AD DC@ ?

D ! - ?@+B A. - -JJ- +@ B C +@C +B + A@ @ Y C ,G -?J A @ -C -,,- -?@+B A. @, @2 B D- D-@ , .B+

;KLN & $ S- B-> ^ / @ +Ba C+ +B@ B D- - , @ $ >A = . &! $ 8SKKM(S A@ +GJ@ - E@, @ 2 AD - + B D- 2 D E@, @

@ A ? + + -A2 -JG ->A+@CJ C+

;M<L) - &) & ' L; : D@ C@ G->+- J C ,,@, +B@ 5-,, @ AD @ - +B@ - A +B +B@ B D- - > B A +B@ %->A+CG ;KOP ' $" ' !@C C$ & ' C ' ,0 4 " LMO @CG+B A. ^-A -G .@a .-@ -A +B +B@ JC@ -A - ,- U -CU2 AD -A@ D G -A,G +B@ B D- AD @ B- - A-+B@C ;KM= &!" & - (- *0 S 8;KQP(LLN B@ $-? A ?J C@ +B@ B D- - +B@ &-J@D-?

6 @D 2, '& -* **, +- D@ .A +@ J@C -A @SY +C@?@,G @? +@D -C @@E,@

$/ < C$ ' & & 7 U 8 C- C+(OMO B +C . ,, D ->C @ - -C+>A@ - D >A+@D +B@?2 +B@G @A+ , 9@ B D- @) A-+ ?@A $/0+ # , 0 $*& / @D 44 C@ + A>?E@C - ? @C E,@ AD J + >, .B- + -C C +B@C B D- @ - ?@A $/++ 1 CH A 0 " =P @ : @C@ C@ UA .B+ 2 AD .- -D,G @, E@ @@A@2 0>+ - C@ 0C +- ? C+ +B@G ,,E>+ B D- @ E@@A@ ;QQL 0 &2 K2; B CD,G @ +-C DC AU2 AD E@ ?@ J@C @ +!B D- $ $/ <) " 0 S, 2 " @ JJ@ C@D +- +B@C A+-+B@ B D- B ? @, $ > 8 0 " P<N +C A.@C2 EG A+ +- B D- -CA

A ++@A> +@D C@?A A+ -C? C-? B B +B@ >E + A @ B D@J C+@D , -2 2 2 -3 - ") " 8 " -) ") & , B D- G-C A+,G >C A. C@A- A

$ 4PM< 7 < & !" 0 8;PKN(;L @ + A +@ D- ? A2 G@ AD@ E>+ +B@ B D- @ - ' ? A $;MQ= R) 0 1(4 e ;PO 0>+ B .C@ +A@ +B- ?@ E>+ B D- - +B@ . - CG B@ D EC- D 4QK; < $!!S O< B@@? J@C-C +B@? @, @ 2 B-D D A@D +B@ A+ B D- - +B@ C@J>E, ; KLO S 0 : 7 B- B ,,E@ - ?@+B@@, - I>@A+ -C +-C- $-G , ?2 AD @ CA +B@ B D- - A ?@ R& (<X7 ? 0 & (PO B@ JC@C- . + @ - +B@ %C- A C@D> @D +- B D-

B , .B+ -C A+ JJ@ C A @2 ? ,, A A A+ J-C+ -A2 +C @

;PKM 0 $ "H0 8;MOP(K ! ?J,@2 J, A@2 AD - +B@ , - @ + AD ?@ A@ + , @2 >++@C,G D@ - D@ - AG B) - 'B .B AD , - + @ J@@)@ $%> B) 8 !!0 \40 : e ;K 8;Q=L(LO; B@C@ A- B D- - C@ -A2) BG ^@ a2 $>J% B . $!0; 7 U ;KQ= OK B@C@ A-+ - ?> B +B B D- - JC-E E, +G2 +- ,@ D> +- AG > B -A ,> -A $ J$: - 0 8 K=K(;SL 5-C +B@ B D- - AG+B A. , U@ JC- - - +2 @ ? G @ C B C AD D@ A

A c M - & - 0 & D0 8;KQM(JJ QQ= B@C@ ! A-+ B D- - @ D@A @ +B + " C-,D @ @C C@ .A@D 6AD@C U A. A., AD Q J@ +C , -C?2 JB A+-? f 10 M

$ =C$!) >+ ;SP; & A -CA@ B D- >,, A> .,G2 E, U AD E, G2 \ +>D BG? @ EG $&%+ 17 3 & 0 8;KPK(OMM U@ B@ ^$ B a +B->+@ @ GC +B + B) D- - ? A ,U D E@ -C@ B ? S) (0) ; ;NN B + - +B@ B D- @ E@ A-+ A JJ@ @D] 0 0 L=Q 0@,@@>@ ?@2 9 A. - B D- @ 2 ? +- -U@ 0/0+ = 8 $) 0 ;=M AD 7 ,, E@ >AA A. .C JJ = 7 B- @ B D- @ ? D@ ,, >C-J@ B-A-C B ? SM) = C0 (L OM= 7 B- ?+B> +B@?@ .@C!B D- A @CD - - A ;Q<N %- & $!$ A Q ; + ? A@E@ D B@ B D- + - - U B + AD SK O $ C) 0 A =P - +B@ ,,@G A- ,@+ > D@ @AD AD B- ,D %-A @C @ +B +B- @ .C@ + B D- S! S $. $)!!) S ;PL -B ADY >, - @ C+B B , E>CG ?@2 J D + - +B@ B D- SKKK = . 0 & *0 % =K @CG @ -AD +B@ ,@A+ B D- @ C@D - ? A DC@ A@ C@C

K #A@ +B + -A + A+,G -?J A @ -C -,,- A-+B@C , U@ B D-

J C +@2+- DG , -8) -1 $+ -?Y J A -A B-? .>@ +EC A. +B-A+ A + + -A

E JG -C D@+@ + @ B- -,,- J@C -A A -CD@C +- U@@J + B >J-A B ?- @?@A+ %

6 Q4

N - , &&!0 8!@@ I>-+(

+@ A ->+, A@ -C J +>C@ 1 0

;N ! 1 $0 G?E-,B A. A-?@ A A. J C+ C-? G >E-, - A-+B@C U AD + B 8I + ++ B@D

" !B@,+@C C-? , .B+ AD B@ +

; ; &C-+@ + -A C-? +B@ >A B D@ - $ 0 + $ &2 f T A +B@ B @ W 10 K E(

+E , &, T B + B B -CD B D@ % ;L

+ 2 B DG J, @ 1 0

D $@+ C@A) A+2 @ ,> -A 1 0 $ TH

;0 # @C B D- A. 8D A. 2 @+ (2 -CD A. @ >C +G JC-+@ + -A -C B@,+@C C-? D A.@C -C -E @C + -A

E E $ &2 &% 5C2 &-1 g &-8 (&-1 (4+ & &&-1 $]M f>AD@C -,->C - 2 -A JC@+@A @ - 1 0

i;L /@A-+A. C-> JJ, A@ -C -CD A. B D@ B AD C@@A , - J C -,2 >A B D@2 E2 - ? A B@ DDC@ 2 -C J-C+ -A - B@ DY DC@ 2 JC-*@ + A. -C CD - +- B D@ +B@ @ % +@ +@C -C A-JG -C E@D2 1 0

;:= $ 0 J@A+B-> @ -C C- - - @C +B@ + .@ 1 0 @S T

2 & - 10

;P ! ?J,@ ++C E 2 .$ &23 &" 3 $. 8@A @ =($ &23 & " 3 ,) "H 8@A @ = ($ &232$ 8@A @ Q($& > &2 " 3. 3*$ $, " 3 $* 32& ! : 8@A @ ;L($ &23 *!$ $ &23! . D* 8 AD D (, - I> D*]') ! ^ $ &2 , " H " ^H ! " ^H*!$, " 0

E A +C>?@A+ ,2 $ &23, . D) " 3 $**! " 3 $)' (3* &*! (3 " 32 D* " 3 $ &231 " 3% (3) Q (3- $. (3*$ (3*)) $ &231 3,$ (% (3 $* D*

;M J@ , -?E2 i B D- DD@C 8+C ,&!)1 (J @>D- @+G?-,-. ,,GT I> -,+>?EC ?(2 @CJ@A+ ,>CU A. A B DG J, @ B D- E AD)2 -?J AG - -C C@ @?E, A. JB A+-? B D-

[illegible]

[illegible]

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! B D- ,@ ' , =-.<774-=/' N;' 0?' ' 6
i' 0 ! a
; ' % +)'A-' , D-
$%J ' ' ' ' ' $ &0 8@D' O(M' B@G' +' +B@C'
B D- @'E-+B' G@' -CD A.' '+B@'!>AA@' 'A'D@ ,A '
+-Ab' AD' *' -C' B D- ,@ @2' B@A'!-,' '[@A +B' $ +&'
= ')7 8 ' ' ') ' '8;K)('LK'!B@'B D' ', C.@' -C+'
?@A+'- ' C@' AD' B D- ,@ ' + B@ 2' AD'E A B@@' ;KM'
= ')) ' $ ') E"'SS ' ;KM' 6 AD@C' +B@'E C@'
AD' B D- ,@ '+C@@'?'+B@'.C@G'5@EC> CG' +?- JB@C@
E' # ' ', ?J'-C' + ' >CA +>C@' !-' -A +C> +@D'
'+-' +'A-' B D-
;KP<' !' 1 '&' -&' ' $ $ (QQ' ' B ?A@G 2
J@C'D-X@A' !B D- ,@ 'D ++ ' ,'$ %/' 'A'"(" $ '
,0' ,0' ' '& CU@C '! A>?EC' ?J ' ,,@D'
+B@' B D- ,@ ', 5 10' $$' J', 2
,@C' AD'EC U@+' +B' ?JC- @D' B D- ,@ 'E>CA@C
'" A.'A-' B D- '-A' +' >C @'>A B@,+@C@D'
C-?'+B@' >A' # ', .B+2'+B@' UG2'@+ ' 6A ,->D@D
;KOQ' &- #9' &) '!' ');=P 0, U' +B -J)+B +2 B '
D- ,@ ' O@A@ +B' +B@' -CC D' E>CA@D') ;K;N' ' = '
&' ' ' "* 1& $' 2 B +' B D- ,@ '-CE' 8+B@' ?--Aa'
;K=P' 9 ' ' ' & ' ;==' B@C@' '
-?@+B A.' + C+, A.,G'A@ ' AD' +C A.@' A'+B +' ,D2 B D- '
,@ ', AD J@' ;KQN' = ' $.!*%C$ 0(' ' '' &'
') ';OQP' AD' A'+B@' B D- ,@ ' +,,'?-CA' '@A @'-'C@ +'
+-'B ?' 'E-CA
6 0 ;KLN)'C& - ("' '! ' &) ' '=O2 '> @D'+-'
B @' ', D' ' @' 'B D- ,@ ' 'EC- ' ;KP=' < R
8)' $*'=' $*'<=' 'D G'-' B D- ,@ 'J,@ >C@'
"@A @'!B D- ,@ A@
;KK;' > V$>' $& , $'' :; ' ,' C' "@' '+B@'D A+@D'A- @'
-'+B@' /@'!+ A G 'D + A +,G'->+, A@D' +B' "-,E@ A' B) -'
,@ A@ '. A +'+B@'E,>@ .C@@A' -'+B@'D + A+' --D
+'!B D- ,G2'$(1 0 $ jV ^' ' 6' 1T'
a' ; a' # '+B@'A +>C@'-' ' B D-
$&J&' = ' ' '&%' %' ;OK' 3 G@AD,G' .B+' +C>,G' '
+ UGA' J' B@>@A,G'+-'E@E ,D'E@' B D-,G' G.B+'L+'P'?@C@,G2
A-+' ,@C@' AD'-JGA
!B D- ,G' 8*E@'D-A,(2 $ T ^' ' 6' 0 i'
@ G' A' +B@' ? AA@C'-' ' B D- 2 -E >C@,G
KMM' . ' $ &,.' &2 !!'5550 "@' ->,D' @@'B@C'
B D- ,G'$ OJ' .' &)' ' $ -*'8;K<=(OO;' @CC E,@'
J- E,+@',--?'@ @C' B D- ,G'>J CD
+'!,)D- -> 2'$0' 0 $ 0 ^' ' 6' 10 i'
-> a' !B D- G2 B DG' , -% 0 8 @@'I>-+';=KL(
;=KL' L '<&! 0' 0 8;)O(' 'L;L' "@' '?EC-> @-C'
B D@' -> ' B +' '+-' G@'B@' '-,D'\'C@ C .@C +' C-' ,
-A >JG @A @' -'+B@' D@ B@' ;PKP' ' 9 7 '' &'
, &$")' &"0 'S ';Q'E2 B@G +>DG+-' @@U'J, @' --,@'
\' B D- -> 2 +-'@ B@ '+B@'B@ +'- '+B@'!>A
!B D- G'8) D (2 $0 5-C? '=' B D- G2
-B D@ G2 B D G@2' P B D G2 B D- G@2
M' B DD- G2 Q' B D- -G2 = ' B D- G2 ^
' 6' ' ' !
;'$@ @?E, A.' -C' - '+B@'A +>C@'-' ' B D- 2
6A >E + A+ ,2 ?J ,J E,@' +C A +-CG2 3@@+ A.'
>AC@ ,2 ? . A CG
!LQ=' 8 '?& ('JC' '8!U@ +('MN' B+ @'
2 B)@ G'+C A ,+-C@'D .A+@@ '^ ' $ ')-1 $! ' ' $%]0
;ML' = ' !! &' ;NK' 7 B@A' A'-A@'A .B+ " 'B Y
D- G'5 ,@'B +B'+BC@ B'D' +B@'%-?' B +'+@A'D G, E->C@C'
->,D'A-+'@AD' ;QSL')) ' , 0 - '=;<'C'K' 7@'BAD'
' B-,@'%C@ + -A'- '+B@' ,U@' B D- G'&@C -A' A' !J@A @C'
;KS=' ' $ $' ' 2 "@'D D'A-+' -,,-' B +'+B@G' ,,
J>C >@D ' -C B D- GB-A->C2A-C >E + A+ ,. A' $ /J'
76' $')$ $' (PK XA.' +B'B , -J@A'@G@,D'5>,'
- B D- G'DC@ ?' AD' -A '$ &). 'A' -
*0 'OQQ ;' B@'J, A+ ' @' '-' >B' B D- G2
C -,>2 AD' @S + ->' B C +@C' '
E' !J@ +C ,2 .B- +,G
SMKS' : ' ' 0 % ' ' '8;MK=(QO' B@ C' 3 -A>?@A+ '
AD' !@J>, BC@ 2 BJ@C'+B@' B D- G'&B A+ ? '-' > B'!->,'
B @' -?@+ ?@' JJ@ C@D' ;QQ)' ' - ' 0 **$ 0 '
8;K=N('=P2;' -?@'A- '+-'+B@' ?' A' AD' ?- +'D J>+@'J C+'
-' B D- G' JJ@ C A @2 X2 +B@' JJ C+ -A' - '>A@?E-D+@D'
->,' $ +&'= 'C$ ' $ '$')' !0 2 1-A'B D- G'
E CU'B +B'E@@A' +-' +B +' C@ U' $ >' 8 ' 0
0=L' 5C-?'+B@'C @C'- '/@ +B'B@'C@ ,, '!B D- G'.B- +
A0 5 A+,G'J@C @J+ E,@2 AD + A +2 .>@
$>O>' = ') .16' $!$' ' '"@'J@C @ @D' ' B D- G'
)>C@' + + -A' + @, ' +'+B@'@A+C A @'- '+B@'C B' ;KS<' '
)"$' ' S, 2 7B@C@' +B@'E,>@' @A' ,--U'D' B D- G2
BC>AU' AD' @ U' SKM' 1 ' 'C ',0 ;' 'e' LO
8;KQP(;;L' 'E@, @' @@? A.'+-'+B@?' -' B D- G' AD' AD@A'
A +@' ' ' '?.0 ' ;MN' B D- G' ,2 ,@A+
AD'.C G2 !+-,@', U@' '.B- +' C- '+B@'E G
+' 0 # '+B@'A +>C@'- ' A+' -C'C@ ,@ +@D' ? .@'
G?E-, 2 +GJ ,' 0
$%&?' = . ' 0'<& ('7 U ';KP;' ;NL' AD@@D'+B@'
D@ C J+ -A' ' -C+@D'E@ +' +-' +B@' JJC@B@A -A' -'+B- @'
+?@ 2 +GJ ,,' AD' E D- @' !L% %'< . ' 0'< ' ! '
;;' <N'&B ,- -JB@C'B D' -?@'U AD'- ' D CU' D>?EC + -A'-C'
B D-g)'D@ C J+ -A' -'+B@' C +'JC A J,@'- ' +>C@' ;QOM'
' $, '7 U ' 'PQK' B + + ? .B+'+B@'E@++@C'@AD' +B@'
:@ , B D- G' @C @ 2
' (P $
$>O>' .)7 ' $1 !' 'MN' ,U@A' C-E@'-' B +@2
B +' B D- G' A'+B@'?--A, .B+' B-A@2 ,'O +& = '
&' $' 2 B@'EC- D' E A A' ' .C@@A' @?EC @' ">A.'
B D- G'C->AD'@ B' +C AI>,' .C @' $ O>' .3' B
&*$!('C$) (A', @C' ?, ,' B D- G'J ,@' B@'?--A'
B A@' , B +@
' E->AD A.' A' B D@' JC-+@ +@D' C-?'+B@' >A
"Z? 1 '?$ 0' 0 C0' 0 S C' '8O-D,' 3!(2
" '?-DC@B>GD@B'BG? ' A' B D@ 'J, @ 2 ,'$&/+' B '
';<K A'J, G 'J,@GA'?-G +' AD' B D G' ;POM'
1$E'S 6' 8;PO<(5 *2' +' ->.B+'+-'E@j. DC@D' B A'
E@C@+B' ,>C@ '\' +B A' E@'B A.@D'+-'DCG'A' ' B D- G'J, @'
;MPQ 9 < . ' $- ' ' ' 'S 'OL' &C ?C- @' AD'%- '
,B)'*-G' ?- +' A' B D- G'J, @' ;Q<=' = ') .66'
" 0 E &* &' LP' B@'E,> B'+ A+ '+B +' J@C D@D' +B@ C'
B)- G'C@ @ @' ;KO=' ' 8)'C $ ' &' ?'L

B@' C -> ' B D- G', A@'EC A B A.'- 'C-?'+B@'B .B'C- D'
L E>O ' .. ' $)!!) 'S ,'=;' 7 B@A'B@' ?-+@'+B@') D- G'
' , .B+' +B'B 'B@ ,+BG'+@ ?' >E, ?@
E' A @,-J@D' A' B D- '-E >C@D'EG' B D-
;K=N' B 'I'= . 'A'& ,?@C'? .0'C $ '8;KMP(QN' #>C'
J C+' B ,,' A-+'DC@ D' B@' B D- G' G' +-' +C@ D' ;KPP'
B- @' ' $) ' . ' 2 ' B D- '+B@C@' +'?G' @@+2 " .B'
- @C'+B@' B D- G', AD' ;KQM') ' . !1 $'S(2 5C-?'
+B@' B D- G' C B G' ?@' ' B A A.', A+@CA' B B'
@@A'+-'E@'D A., A.' C-?'+B@'E AD'- '+B@'B- +,@C2 :-BA
i'-' ! C@@A@D' C-?' -E @C + -A2 C@+ C@D' B@A @2
C@ ?-+@2 A @ E,@' 0
!' 9 ' $! ' $, &' ' ' ' ;QQ' B@ @'
8 G?A- -JB + @a' B >A+@'+B@' ->+@?- +@'E-CD@C 2 AD' B '
D- @'J C+@'- '+B + ->A+C @';P<;' ' ; ' < ' 0' 0'
0 B 'B D- G'D@ C+2 A C@!>@A+@D' --D' 'E@++@C'EC--U@'
+B@A', ->C B A.'J@-J,@D' - A@ ' ;MSL' B 'C! ' 3
' '8;M;=(LM<' B@A' +B@G' B' +' +B'+B@'E,->D'-' ' , A@'
-, @2 AD' CCG' +' A+-' ' E D- @'J, @
' % + A.' ' B D- 2 -CD A.' B D@
;MNQ' 1 .' &) %0'? $ 'MNP' E->+' A--A' B@A' +B@'
@ -A' .C- @+B' B-+2 +B@G',@ D'+B@?'8 B@@Ja' +-' B DD- @G'
+C@@' AD' C- U ' ;Q<M' 7 ' 'A' &' !"' 0 O '
!;P' B@' B D- G' J ,?' 4KQ4 2 1 'C!$" 0) 0
4' 8;K<=(OPN -' ,?E' +B@'C- U' B@A' +B@' >A' 'B-+ AD'
C@@J' A+-' --,' B D- G',@D.@
!' # ' A' A ,-C@ @A @'!B J@D', U@' 'T B D- ''
-C'>?EC@,, ' 0
;PMO' B ' 1$!' ';NQE2 ' B DD-$7'-C' J-UG@'+-J'
+B' 'C->AD' C ,@' 'DG,, ' %b ' &$& ' ' 'S6 'MNM
B@ + ,U@ 'E@' >,'- 'EC A B@ 2 JJ-A'+B@' B B'.C- ' J-UG'
+> + '-C'++,@' B D- G'+-JJ@' +B' B +@', - @C' 1 0"H0
SSS'QMN' B@' ,- @C'8-'+B@' 1) ')-' *)! H'E@' B +@2
AD'.C- ' A'EC-D@'C->AD' B D- G'+> @+@
b$ &-10
SK ' $ "'S 2 '+B-> AD' B D- G J@A ,,'D'
,,@G' AD' A- G'D@,,
!B DC E'8J DC @U('^ ,,> @> @-'+B@'A ?@'
-'-A@'- '+B@'T BC@@'%B ,DC@A'D@, @C@D'>AB C?@D'
C-?'+B@' @CG' >CA @'8/ A' 'OM2 OQ() a' !@@'I>-+'
;K=Q2 % ' (2 ' ' 1(L
c]_9 !' $ $, (A'+B@' ?@,+ A.'- 'C-A2' '? '
-'C'A-?@A' B B'+B@'-J@C + -A'- ' ?@,+ A.'A ' ,@D'- '+'
A+@AD@D'@ @ +
!B)8:) D (2';O' , -'Q K' E DDG' ^')'
S i C *
' -CD A.' B D@2
%b_&' 1 ' ' . % ($!0 : A'L;'1->'A U@D'+C@@ 2 B- @'
B) G',@ >@' C@',- +' SMSS' . 'd L'S, 'OO' B@' B DG'
+C@@' ->@C B ?' +B' +B@ C' B DD- ' cM&') ' 0
< & 0 '_]' B@' A.@D' + -A -'@C +B@' &, A ' AD'
B DG'5-CC@ +' ,@ ' % Nb 9) 8' ' ".'!$.'_ @ @'+-'
+B@'A .B+ A. ,@'B@C' B DG' --D' % _R') ' &"
1"' $ 'SS' B@C@' ' B D'G'B +'+-'E@' B- @A
O'!B D@D2 JC-+@ +@D'EG' B D@
I'< ' '$*.&'8 CE()M B@' B D @' ,,@@'^B ,'
E@_'+BG'@>@A A. ' C,) ?' ' ;)<N 1 ' 0'A0 ' '=' "@C'
A.@,' @ ? D@' ' >A B A@' A'+B@' B DG' J, @' XMMS'
' $ ' 'C " &!0 0'499 +';<;' B- @', ++,@' ?- +'
+B +' C-?' 'B DG'J, @' @' @@' ??'A.'>J' AD'D- A' A'
+B@'!>A E@ ? ' ;Q;Q') '=' 9 '= 7B' 0' &'C&*'
;Q:>A@2 ' ?' A'+B@' ? DD,@'-' ' --D D D@D' A+-' ?' AG'
B DG' ,U 2 $';KO;' : "* &' ' ' /@@J' A' +B@'
B DG' DA@ ' - ' , @' ;KQP' # 8 'C!$ & '8@D'O(' 'O<'
B@C@' @C' B DG'J, @' >AD@C'+B@'+C@@ 2 +' B B2 @' ? G'
-'+B@'A'C@ +' AD'+ ,U
E' .'JBC' '' ' $ "' '&%5' -,D@C'+B A' 8 '
J@ @D' .@(2
;KNQ K 9 'Q 3 7' $!-$ 0 8;KO2('KQ' B@'G->A.@C'E@A.'
-?@ B +B@ A'+B@' B DG' D@'-'+B C+G' S)O' .3 ' !"'
$ '8;KK=(Q=' B->' C+'-A' +B@' B DG'! D@' - ' S+G'+--
' AB E +A.' -C ,- A.'+B@' B D@' B-- A.'C@'
+C@?@A+' AD' @ >C +G2 '&', 3) 0
WL/ %') ' *&!0 C& "' 8 CE(P;' 7 @' @C@' >,'-'
->C .@2. >@A'+-'? C+ ,'@S@C @ ' AD'A-+',>,@D' ,@@J@'
A' B DG' D,@A@' +B'&-@+'J + ?@
#J I>@' , -2 A-+',>? A->2 D CU' 0
S8)' ' 0 $ '('SS 'e'=K';;K' B ' ,-E@'
B B' @@?@+B'+-' ' 'D CU' AD' B DG'+) G' ' A'+B@' @'
- ' -D' '%BC + ,,' ' $ 'SS2 G@'+B@' B DG'A .B+'
' ' B &* ' $ 'S S2 G@ '+B@' B DG'A .B+' ' $ 0(
&'(L=L' AD' +B +'+'A-+'&@,,> D' -C' !B A A.2 E>+'
+B@' ?@ B DG'O-DG2 '@ D@A+' C-?'+B '^@+ a2
E2 D' -'A .B+2 *& 0
;Q=M - '+C' & $, (* 0A' 'OK;' 5C-?'D AA.'
/ G'+,,' B DG' .B+'^ '$ ')-1 $-'!), '$1'&)H(XK-M
' ' B &* ' $ 'S S2 G@ '+B@' B DG'A .B+'
B' B>+
' I> , +@ ' # '+B@' A +>C@' - ' B D@' -C5
D@ @ +2 0
;Q;<' .) 8 ' (' 6 ' .(C ' >+B-C' 'K2
'+B@' 7 -C,D'B D'B ,'E '.--D' +>C@2' ,,'+B@' B DG'& C+ '
->,D'E@'@A+ C@,G' +C> U'->+'- 'B '%B C' +@C
!' !B D- G2 AD@ A +@' A' ->+, A@2 A+,G'J@C'
' @J+ E,@' (
909' ' "! $'e'O=N1->' B ,,' @@ 'D >@C' > B'!>J@C'
$@ ,@S -A 2 + ,'+B@' * ' * ' ' +' +'D@' 5-C' + '@>@CG'
$@+>?@' @ U@C2 AD'?-C@' B DG' %_(R('% C'C) (
' LLO' B@', .B+'-'%-A @A @' ? G'E@ ? D@' B A@' @CG'
D?2 -' '+-'. @'E>+' '@CG' A+' AD' B DG'D C@ + -A
,&!!&D((# 'I>@ + -A E,@' ?@C +' -C' JC- J@ +'
-'> @ '>A @C+ A2 >AC@, E,@' ^'#C .'>A @CY
+G' , A. a
%]' . B7 '?& '%$ N]' B@' >+-C !B DG' A' + A2
D' AD G2E>+' + ?J A.' A'J, G' AD' ,DC B' c b' OJ'
- A'">.B@' % '8;KKQ(<Q'7 @'B @'+ @A) -A@' A'
D D +@' -C'+B@' C@, AD] ' B DG',-+' S)K'$'!' B
' $- -$'SS '<P' 7 B +',--U'@CG' @,,' -A@' G'? G'
,--U' @CG' B DG'+B@-+B@C2 ''SKK-'# 8 ' A' -)? B@'
-0 8;K<P('O;' ^%- ??@A+ A.' -A'+B@'#@ ? CU'+B +' A., AD'
B D' -A@' A.' J-@+' - '+B@'OC + -CD@C2 E>+'B CD@,G' A-+B@C'
@ @A'- '+B@' @ -AD' , a' '+B AU'+B +'OC- A.A.'D@ @C @' '
B DG' C+' SK)'C$!!' $!!'<$0(' # +' 6C B@' B A @

-'+B@'6AD@C.C->AD'$, G' . A +'+B@'-?A E> @' ,,'E@'
@CG' B DG
/' -+' E@ C A.' A @ +. +-A2 -' ' A +>C@' -C
B C +@C' >A E,@'+-'E@ C'+B@', .B+'D C@J>+ E,@
SKM' $ 0 0'K 5@E';PM O ,, ' AD'E X C' -A+ A>@'+-'
E@'+B@'C@ >.@'- ' A + +>+ -A 2 B@+B@C' B C+ E,@'-C'C@,. -> 2
B- @'E , A @ B@@+' C@' 'B DG' OKQL' C)' , 'OP' # +'
;MQ O " @' ' G 'B@ CD' +B +' B DG'J@-J,@" @A+'+-'O->Y
,-.A@' ;KKO' 4 ' ((' ' 5* 0' '=O2 ' '@AY
+C> +@D' +B' 'EC @'EG' 'C +B@C' B DG' ++-CA@G' ;K<=' '
I' 8((1 ' &-$'3'PO' '$-? A', DG' -'@S+C -CD A CG'
E@ >+G' AD' -?@ B +' B DG' B C +@C')
!B @2'!B @, A. 2'73='??' ' - ('
!B @,,2'!B @+2'73='?*' ((
!B @2' B 2'73='??' 3' 0
!B @? @' B @C--A' ' @@' 3 '
OB 1 8@ B-U@2' -E -,@+@' -C?'-' 1 0'
!B ,@'8: @ ,(2 0 $!0 ^ A' @A @' '8A-C+B@CA(2
JJ' ' C A+' -' 8 (' ' @A@ O ? G'E@
D@ @,-J@D' C-?'+B 2 -C'E@,-A.'+-' 'D + A + -CD2
J@CB'-' ?+ + @' -C' G?E-,' -C? + -A' '
%! 3 $%! (' . %!' E ', / AD' 833('b a
%$ ' 0 -' B> ,@' A' ,U A.
^;PLO' ?J,@D' A' 33(!' ;QK;' 8 ' &) ' &'
$ '8@D'O(<P' $B%! ' AD' . % ' '+-'B-EE,@'A' ,U A.'
SKSK ? ' ' ' .$ (+-' ?- @' +B' A' U CD' -C' C'
C@.>, C'. + '+-' B-EE,@' 6 @D' A' +B@' A-C+B' - ' AD AD'
&) - 1! 0 <!& 0($% ($) !(&' B>,,@' A'
,U A.
/' ' -' -CU' -C'?- @' A' ', XG' B -A' +-'E@'
>AD@ D@D' A'J, A' 70' + -A'+-' ,, +@2 D@, G2
^4Q)' ?J,@D' A' 33(!' ;KOK'7 !' $ ' '<!& 0(
.$%! 00'+-'D-'+B A.' 'A@ @ +> ,,G' OKQL'$'G C8 ' $!0
)'1!(;O;' $B (+-' E@' >AD@ D@D2 +-' ,, +@' OK<N
B% ! '<!& (($%!(+-' ?- @' A' ', XG' G' +-'D@, G2
+-'J>+'-,
E' T -' C@+C@ +' C-?' 'E C. A' -C'@A. .@?@A+2
? U@'@S > @ J@C C +@'= ' 0 $!0 0+0
OQK;' ' B ' &)' &' $ '8@D'O(<P' %) (00# &' +-'
+' >A C,G' ;KMM 7 'C & ',0 & ' ',&!' .0
[QK /-A'+' A ,@' +B' ?@
"@A @'!B) ,@C2 -A@' B-' ' B ,@' ' ' !B ' ,@ 2
'E>A.,@C2 B +,@ 'J@C -A
8('!B ,@C' +B' B ' @+@' BG B' G,@+B' A'
.- A.2$ $(OQNL' 'A'$ G' C !& 0 0 8;Q;K('LLM'
' $%! (00 O>A.,@C' OKOK Y V $ ' <!& 0($B%% (
-A@' B-' ,U', ?@' O' 'E>A.,@C' A'E> A@' OKKP' ((
' $ &2'&%' - 'SS ' #C' ? GB J' G@',,' U'G-A'
B ,@ 2 G@C' +B@C
+!B , A' 1 0 $ 0 , -'M' B ,GA.@'
8 A' %-A+ A@A+ ,' >+B-C' B -6>.2 -B , A.2
,GA.(' ^&@CB' +B@' ?@' -CD' +B' 3 (C'
+B->.B' JJ,@D'+-' 'D @C@A+' B' % ' 3 (!')
'U AD' - '@@,
;PPL' (' D)$!0 OQL' A.,-C>?' >+@?'J @ '
B @'A-? A E>' .A- >A+>C2 ,, 2 ?JC@ 2 !B -, A.2
5 >@A2 C@. ' OPLP]' $' $ 0 'C& &' 'OMQ' > 2
?JC@ 2 !@E ,A. 2 5 > -A2 C. . ' OPPK < ' 0
' -0 ' 'P=' 3 A ? ' A) ,, ' > D@?' ^ A., a' <
>- +>C' ' $%!' '>@C-?@D ' A+@C'< ' '\' $) ' '! 0
O)Q0 8('8@D' "+. A (2 !E ,A.@2 -C @@,@'- ? DD,@'
E .A@ @2 $') !!$'- $(OQ=Q'= 'K(' &&. "'SS '
;ML' 5 B' A'!@ -A 3 D >??@C' F> C+@C' C. 2!B) A '
AD' ,->+'^@+ a
!B -,D@2'73='?70 1'7?' 33 ('' 0
*'!E J-A' 1 0 701=' ' B C-A2'N"2
B 8I(C-A2'!' , C-AD2' , @CA@2'O B @C--A
1' = ,0 A' @A @'O(-B C->2' @C-A2' E \->A2'
B \-A@2'-B @IB ->A2 B @C2KNB @C' O (O[
(' *7? : 2 '
6-'?O7 *4-*' (' 3(03-< 670=-F>' 33 '
2:
O=ML' !E C-A' ^@@' 23 !' OP=Q K2 SMS-2 OMSQ'^@@'
33 !' OP<N ': ' 2 ' ,('2 $*&' 'L;'E2 B@C'
B C-A 2 C A@+ 2 -C' +@@,@'J@ +-C@,. ' MM-' A' , &!& $'
4' ## !B ,C--A@
/' ! ') ' J @ @' - ' -CA ?@A+ ,' B@ D DC@ '
A @A+,G' -CA'EG', D @'" 8: ? (
[P44 2 0' ' $ (,& (2 O;N' +@?2 +-'E@'
B ,C-A '+-'+B@' ?'B>DE2B , 'A@'@,A@'IC ??@ G' 1 (
OLN' +@?2 -CB ,'I> C+ C' C ??@ G' + A2 +-'E@' A@' B '
@C'+-'B C'B>D2' +' 'S'D' 1 0(+@?2 -C? U A.'- '+B@'B>D'
AD' B? ,@C2 *' S '1 0 O;L'5-C' A@' B C-A@'-'.-,D'
5 ' 0 ($ &1 '8;K;P(O=' A@' @C-A' +B' A@' B@AG@
-',-,D'-'E, U' @,>- ' 1 0 OQ' +@?2 A@' B C->A' +B'
A@' E>CD' -' .-,D' +B' SSS' J@C,@ 2 +@?2 A@' B@ ,C->A'
@++' +B' .-,D ?G+B' @CU' +B' SSS 'J@C,@'
?'3']' : 'O' 1 0
^&- E,G' $%% &&' ? G'E@'+B@'-CC@ +' -C?2 AD'+B@' -C?'
,$* &%,('3&&' ?)'E@'D>@'+-'J @>D- @+G?-,-.G a
'OQOP' ' 0 0 8;QL<('QL' B- @' ,++,@'!B @,D 2
-A+ A A./@ +B' ' "@ D 2 AD'-+B@C'5>A@C '/@ @ 2J, 'D'
>J-A'+B@'5-C@B@ D' - '+B@' "-C @ 2 +B + DC ' " @ C @' +
&-?J-> 5>A@C ' >, C,G' A- ' ,,'D2 EG' %-A>J+ -A'
$* &&' (-C' $%% &&' 0
! , +@'8: @ +(' , -'!E- @ +@2 !B +@
^' C E2 # S' '?@?E@C -
-A@'- '+B@' ->C' @ +'-C' B--,'-'+B@' !>AA+@' -C'
-C+B-D-S' 3-B ??@D A 2 A ?@D' C-?'+B@' Y
A-?@A'=$ 3 % +-'+B@'C ->AD@C2 E>' ED ,, B'
3>B ?? D' EA DC 2 QMQ K;N'C `&$ 10d '$ B(
YA>+&' ' ' $ &- $' '>'<L' B@'3 , E@@' AD'
!B @@' , +'>J'+B@'C' "' AD' A' '-C+'- ' C@,@ ' ? AA@C2
AD'+B@A',@+'+B@?' ,,'D- A' AD'B A.'EG'+B@C' D@ a' ;KLK'
'%' 8 +' A' ' , " !0' &*0 8OK=P(44 ' ==N <'
B@'!@ +'-'+B@'!E ,' '-C'!B @5+@ 2 'A ?@D' C-?'3-B ? '
?@D' EA') ' ' !BD,' 2 OKKM !E @+@'^@@' ' . V

[illegible]

[illegible]

[illegible]

0 - (' $0 SS S 8;K==(OLP B@ B + -C +@? -
+B@ @J J@ S +< 8 . . & 3 $ ' (&) - 1(
) 0 =M $% T +B@ B AD,@ - +A U2 B U2 B- @,2 -C
? >, +! ! - , . 2 6+ , 0 =PQ O !B +
- -C.@B ? ?@C 8+B@B@, @ -C B AD,@ - +B@ B ? ?@C(2
! !: $', L0 ;K<Q ' , " (*& :2 =QL ; 8 -, (b
$% +B@ B AD,@ - +B@ ,>E
8 (# AA-A TK A 4% + T B@
-C CD2 +C .B+ J C+ - .>A +- U 89A .B+
(.(;KQP(
;MOM 1 , $ 0 N 2 $ - ' LO " @C B + -C
B @2 B@C +C>AA -A)
* 0 .(,@AD@C -,>?A2 *0 -A@ - +B@
? ,, -,>?A B B C@ ,> +@C@D C->AD J ,, C 2
-C> @D A +B@ * ?E - D--C -C AD- 2 A C D@
AD C -> -+B@C +> + -A 8& CU@C <!& 0 , . (+(
;KLP $ c E , . 0 0 5) OQ O>+ +B@ -?J->AD
C BV G D D A-+ ,-A. C@? A A +B ?J,@ -C?2 + -?Y
J-A@A+ C B G @C@ @ C,G D@ -C +@D A C -> G +B
B + AD ?->,D A. ;KLK !$ 2 B@ @ , A.
- @D C --D >J) C+@D EG ,@AD@C) + 2 - +B@
B +@ + , E +@C ;KQL L : A) ' : K ? .@
- +B@ . -DD@ -A B@C* J@C B + ;KQK 3
0 $ $!4 3B B@ ++ D@ ?->,D@D* ?E C@ D@ -C +@D
+B S B-C+ , ?@ +-A@ B +
E E0 0 A -E@, U -C -,>?A @C@ +@D
?@?-C ,
A &> C& - " - ' 7U 8O-BA(=<= !J C +2
+B + ? D@ +B- @ B@C-@ D C@ -D @2 AD ,@ @ +B@ C B ,DC@A
C@@2 O D ?@ AD +>C@ .@A+,G J C@ B@ B + @ C @
+- +B@? AD +B@@2 ;KQL ' $ ' & ' ' 0 T6 0
" A ! &2 " @+ <L B@ .C G B + +B + -??@?-
C +@D +B@ 3-CC +- A D@ D - +B@ , + , C OKQK
*B = . . & ' & % $!" B@ B-,@ ->A+CG C->AD
>A+ ->C D@@D AD +E@+- A $ @D +B + B + -A +B@ J-+
: U AD - E , A @ J % 2 - B)
F JJ -C . $) ' , $% +0
O=L<2;=L< ^ @ - B) OPNO + @@ B !V
! $ #A@ - +B@ JA. E C 2 E@+ @@A J C -
B B B-C @ B CA@ @D +- @B ,@ +B ,,
, - 8 ET 0+ 6B@ J-,@ - CC .@2 , - ,,@D
&' -C ' $*c 8 7 @E +@C ;KOK LL(
;MOL &>$%" !C ! - $ 8;M;=(LOL B@ B + -C E@ ?
- -CD > B C+ ;QOP 1 " 0 S ONK B@ E->AD A.
B + >J-A +B@ B CA@ J, G OSQM= .) &11! & %
**! $ > 0 ;O= B@ C @C +>?E,@ A +B@ B +2 AD
B@ B@ A-+ ?@ A+ -C DC +);Q<= 7 - $ $
8;KN;(M; B@ !B + - 8 ` CC .@ C@ +B@ D@ C ? A. 2
EG B B + >JJ-C+@D EG +B@ B-C @ OK<= 9 <
C$ $ ' C 0 QQ : ->AD B ? ? -U A. B @ J@C J J@ -A +B@
B + - B C+
E +B@C - +B@ + - D@ J @ @ - , DD@C
B B >JJ-C+ +B@ C>A. -C +@J
$ 3 , & C !$ ' 8;K<L(;<Q B@ @@DG
J-U@ AD B + - 8B@ , DD@C
2 0* X .
A A/ # (. * 0 , 0 MLD B@ D@ - +B + E,@
^ -C + A. B@@+ ,@ D* C@ .> CD@D EG ??@ -C @D. A.
- --D2 L A B@ +B U2 AD = -C P A B@ B .B@C +B A +B@
A+@C -C >C @2 ,,@D +B@ B + 1 0 MLO ! - +B + + @AD 2
B B C@ A-+ B@D2+A G C D@ >J-A +B@ B +
K .(0 ,-A. G, ADC , C-+ +A. C-D >J-A
B B C@ S@D +B@ J C+ -C D @ +C A ? -A -
?-+ @ J- @C A ? BA@ , -2 @J C E,@
J-C+ -A - , A@ - B +A.
, - +B I> , G A. -CD AD +A. J@ U AD -
B +2 , $'." *$ $! * &* !! , 2 % B R
6 ! @+ @@ +B- @ -CD
$% ' . - &) " > L=N L B@ !B + ^- 7 AD
3 ,_2 +B + -A B B +B@ ! , $-D C@ @+ ;QM= !
@+ 0 B B@ >AD@C B-+ B@@,2 >J-A B- @
B + S@D J>C -C - . B@@, OKO=2 @+ ^ @@ # B .
10 S-a 4KOP : (. C $ 0 , $' , =L A -C?Y
A. ->J, A. 2 .C@ + C@ B->,D E@ + U@A +- ? U@ +B@? +2
- +B + +B@ ->J,@D B + ? G ?- @ +B->.B - +B@ ?@
J @ @ +B +B@ DC A. B + SK=8 9 9 . . C ' ,0
, $' - == ' & 0 S +B@ .@A@C , AD @A+ -CD2
B + +B@ ? ,, C .B+ ' .C @C , +@C?2 AD J AD,@ B +@C? -C
? ,,@C B + ;KQL $ 9 $/! && 3F & . ' $, & =
B@ , + B +2 -C +- @ -B@ C+B@ + C-? +B@ @J.,A@2 A E@
DC @A + B .B@C J@@D +B A +B@ -+B@C B + +- > + *- A@C
? BA@ -A A >JJ@C -JC OKKQ / - $, '
$2 0 8;K<O(LN2) . OP2 B B C@JC@ @A+ EC U@ B +
CC @C - , - -?-+ @ +@AD@C
&$ $ ' 0 B - J C - ,-A. , +B E@+ @@A
B B +B@ B@DD,@ C@ +C@+ B@D , - JJ, @D +-
+B@ J C + U@A +- .@+B@C , - A J C GA+B@+
-?J->AD +B JC@ S@D A>?@C ,2 %&) 3 $% (
'3 $% D* 2 D@ .A +A. ? U@ - D-+B
,+B->.B A- @ C,G @S ?J,@ B @ E@@A ->AD2 +B@ @A @
E @C+ A,G -,D +B@ , $% AD /> , $, &5 ? , C,G
> @D % T . , , " ,!& . +C J,@S 46C &-*(C$ 0
;==N(@@ , O
^SK-+ @@ 1CH ;KL< x 0 (@+ OOLN B@
E@DD,@ E@ A. +C@+ B@D E@+ @@A + - B + - --D2 ,, +B@
B@DD,@ -AA@ +@D EG +B@ ?@ B + C@ ,,@D ,@
;KQK 8 $ ' O>B 7 +B ->C B + AD + @A+G
J C - ,@ B@ +B@ @ @ + +B + ? G E@ JC-D> @D ,, E@
A-+ @D + O# / AD 5 1 O(+ / +B@ ,@ B@ C@
C @D2 AD +B@ !B + , -2 $;<N= 7 ' A ' 0
$!0 0 2 1 0 A 7 1-CU) _ -A. +B A , + C-D
- --D2 >J-A B B +B@ .@? -C B@ ,D @C@ +C@+ B@D
B@ +C@+ BA. @ @ +@D EG +-J AD T E-D-? B +2
AD +B@ B-,@ , - +@C?) T B + 2 B@A D@ C E A.
+B@ J ++@CA -C ? U@ - D-+B +- E@ JC-D>-@D2 T ->C B + 2
T +@A B + 2 \
i E 0 U AD - --,,@A ,-+E 1(
^&C-E .@A@C , X@D ? D@D.A +.A ! %&) 3 . ('3
- % (@+ @@ E- @a
;Q<Q $ (, (&&%0(1 (4 4 ONK %,-+B ? A>Y
+>C@D C-? +B@ E- @ --,2 +BC@@ I> C+@C +- G CD EC- D
@G 2 C.@ 2 B + 2 J, +D A. 2 E X@ 2 ,,A @G --, @G 2 *@?
A+@ 2 A +C JJ@D JC-A +>

: $ 10 AD &-1(A @A @ 8 CC- 2
@+ (2 $% 3$ -(^H3 ' (3 $' (3 $ (3-$.
$% 3$ ') (3! . (3 $ (3 &' $ 2 B +2
@ $ 0(A G, ADC , -C?
SK-S ' !(?&2 -$' O<L $% 3$ -($% 3
$' (+B@ C?2 +B@ B AD2 @?J,-G@D A DC A. +B@ CC-
4Q<N %- J $! $; SK " B AD B C.@D +A %B@ C@ +B
AD .-,D@A @J+C@ -C +B@ -D) + C? 'D OP=P
&5 0 A 7U 8O<N=(;;M 1 B->,D B--+@ + , A@ AD
A-+ + +B@ ? CU@2 ; ->,D@ , G@ ,-U@ + ?G B + @AD@
SK-S !B + B AD ^ @@ $% 3$ - >JC a OP=P
&5&* 0 7U 8;<N=(OOP -,--U@ + G->C B +@ B@D@ +
+B@ ,- @2 +B@ .C@ +@ + B@,J@ +- U@J@ ,@A.+B@ +B + A
E@ S! $ $ $*0 <N B>.@ I> @C C- @
7 +B B + B@ D @ +B@C D C-? +B@ @ . ,@' A. ;P :
SS 2 Q A 5 CC 0 C 0 E 00 LLP !+C .B+2
B + , U@ JC- + A B J@ AD ? AD ;K<< 1 A
$!" 2 O; 5@E M O ,-A. B + , U@ J,>?@ O<N=
9). C 0 ' 0 ! - " @C@ +B@ -E*@ + +-
B J@ - +B@ C->.BA@ @ - + U2 - +- -A @C+ + A+-
A CC- B +] -C B B C@ -A +B U AD - C J@C
-?@+ ?@ ,,@D c B + ? U@C OK=< .
! " ;OQ " @C c B + +C .B+ CC .@ AD , .B+ -?@
+@J OPO< ' ! 0 ;NP E2T ,, JC@ -> @ +-AG ? G
E@ ? D@ c B + G @2 >@ J@ C,G ' - - -$
% *&)' (5 $ ') - '&' -(
E A @A @ P 4 , 0+($% 3$, ,) (
K ,$*(3 ' 0
OKPO B &' ' , e SS 2 @ @ C, @ +
AD .C AD@ + B + C B +@ +>C@ B B @ UA- 2 + -
.GJ+ OKKO , &!0 $' 0 4 , LM= B@ @.?@A+ , C B
- + B@ D JC A. A-+ C-? B + J E>+ C-? @C+ ,
+ ,+ O<N< ') " 0 !>JJ, 2 $% 3 ' (B AA>, C
E AD B B @@? +- >CC->AD !B + - -,>?A +
- +@A +B@ C->.B+ @D.@ - +-A@ J, +@ B B) JBC +@ + -
+-A@ +B + ? U@ >J B +2 +B@ A ,- A. C A. E@ A. A
JJ@ C A @ -A,G
- A @A @ = B 8B AD,@(2 E + E-,@2 , .$ &
+B@ B-,@ A A S@ " @ D -C ? , C ?J,@?@A+ -C
+B@ A @C+ -A - +B@ B + -C B AD,@
A /A"%J B ,) (0 ;; 8@D =(2 !B + JC-J2 $' 0
1 0(!B + + G2 , $ $ 0 $ %/ B C 0 -
8;KQK(MO B@ OC + B , A @ B@ D ,) >@A+,G B @ ,--J +
+B@ D@ - +B@ B + B-,@22 B B A@ @C +B@ @ +B
/ A B J@ ?@A 2 # = " 0 ! ' 0
ON; +-A@ S@ B A. B + B-,@ -A@ A B A D+B
D A @A @ Q 8+B ,, - CC .@2 @+ 8($% 3
1$ (31 ' (31&! (3B$, . (3!&&*(3-$' (3 ' (3!) :
B + B-C @2 +B@ B-C @ B B .-@ A +B@ B +
L J % # ! 0 0(T .$% 31$ (C@ + -J @ @ -
--D +- +@A +B@ B AD @AD - +B@ B + +- .@+B@C2 A+-
B B +B@G C@ J AA@D +B --D@A J A KKS ' 0
') ! . 8;KKP(PM %- B ? U A. c!B + O@AD@C
OKPL ML B , . ' 0 0 0 8@D =(2 T &S % 3 &! (1&) !& '
! - &' 0 OQM< 9 . " ' !0 OK :>,G2 B@ c B + B-C @
E- . . ,@D AD +>CA@D B-C+ SKKM : B C $
;KO B@ ->C B-C @ @C@ DC @A EG -A@ J- + ,, -A C D A. +B@
B + B-C @ ;) P : 7 0 .0(T $% 3B$, .(8 @B Y
,@(A C-A ++ B A. +B@ B + +- +B@ S,@ 1 0(T $% 3
!&&*(8" CA@ (+B@ C A. - ,@ +B@C > J@AD@D C-? +B@ . .
DD,@ +- B-,D +B@ +B6 -C B + ;KK; ' 0 ') ! .
8;KKP(PM %- B ? U A. c!B +? A) OKNO % # ! 0
0(' (A C+ ,,@CG2 C@ - C -> > @ > B 2 +B@
c B + C A. +- +@A +B@ B CA@ - +B@ B + B-C @ EG ?@ A
- J A ;KPM T 7 " ? ( ) $! *& S C+
) L E> U,@ AD +C-A. ,--J -A @ B D@2 ,,@D +B@ c!B +
>.2 EG B B +B@ B + >JJ-C+@D
@ ' .(8 @A @=E(2$,P $% 3-$.(^ *& " ^ $."
^ * B + + ,@D E>A+ A.2 +B ?) A ?@ -C
-A@ - +B@ E>A+ A. - +B@ .@A> -1 O$0
;KK= : " < B) ' $! ? C " ;Rh B@ D CU
c B + ? CU ?> B A CC- @C +B A A +B@ @? ,@ ^9@ +C@,a
SK) & . ' ' - 6) OM= E- @ J,>?Y
E@-> 2 +B , .B+ D CU@C c B + J-+ OKQ= $ O 1
$ $!0 ,, * ?0) 0 =LK %C- A C> -> 2 +B E, U B
c B + +C@ 9 OKMQ & \ .3 5& ,
- 0 Q; B@C@ C@ , A@ C @,-A. +@D c B + +C J@ -A +B@
B@ D AD -A J-C+ -A - +B@ >AD@C J,>? .@ OQKL
< ' (" '&* ? ; ;KL c!B ++ ,@D O>A+ A.
A @A @ K 8 S,@ -C C@ -, A. E C(2 $% 3
$ ' (^1$ (31 $, . (3,&) *! ' (3 8 -
^ ' +(3 " (3 $ ' (3 & '& (3 $ (3*$ $ (
@+
$ >[: 7 0 , 0(c!B + E@ C A. A %J
& "$, &' 0 OLM B =L @@+ A ,@A.) AD2 +B +
-,@ AD B + E)2 @ .B =N +-A ;) = 7 " 9 I
$'0 $ $! , 0 8@D L(=;P 8%@A+ !>JJ, (2 !+@? 2
+@CAJ- + 2 c B + EC U@+ 2 C>DD@C) @+ 2 C@ A- -??-A,G
? D@ - + +@@, A +@ D - -C.@D C-A-C +@@ O<NM - 0
<$00 OM :>A@= ; C@. CD +C A ? -A2 ->C+@@A - +B@ C
C@ @?J,-G A. B A 2 . A + + @A+G C@,G A. -A c B +
DC @ ;<NM $!" &'0 ;= - N L B@ @ C C@ c B +
DC @A K O# C !& 0 $$) % L= B@ C@ @A+ AA-
+ -A A D*> +A. +B@ ?- @?@A+ - +B@ G +@? - c B +
.@@C A. O) ' ' ' $ 0 4 ;=M O B@ /@ .A
AD !@++ A. - c!B + - @CA-C OKOP: (. * $E
, $' , OLN .>D.@-A C-? +B@ @AD - @ B G, AD@C C>A
A+- A C-A +@A@D +- +B@ c B + B@ D OKQ= .
$ $! , 0 8OP B@ E>,UB@ D - +B@ c B + J . @ C@
-?@+ ?@ ? D@ +@C+ .B+
(C $ ' 4 ' <(2 $% $ ' (-&') 0
OKQK . 8 $ SMK B@ @ -AD ^ -A+C A @a
.@A@C ,,G > @D A @ A. +B@ C B@ + ,U A- ? D@2 AD
+@C?@D +B@ J, + B CA@ -C T B + ? -A+>C@ 1 0 ;h8
B@ E- @ -A+C A @ @A+ C@,G D J@A @ +B @J C +@ @+
) +C) D,@ +- -CU +B@ B + B CA@
E !E + E CA @2 T B .B ? @2 B C.@D +
+B@ +-J AD +) @D + +B@ E-++-?" 8$ G?-AD
' <!& 0 KK (
;KQ=) $ 0 ' ' L<L B- @ B +2 3 GU@A
>CA @ B B > @ B C - , >@B
!B + 8: -,+(2 10 , - P B +@ ^%-CC@ J-AD
A @A @ +- 3 " , $ (?-D , $, ? 2
B B JC-E < , ,) 8 , - /> (# +B@

?@ A+@ A A.2 > > ,,G C@. CD@D J@ JY
J, + -A - % %+] 3 ? +B@ JC ? + @
A-+ -A E@ A. +B + - -?@+B A. G, ADC , +
J- E,@2 B- @ @C2 +B + +B@ +GJ@ C@JC@ @A+@D
EG % % A. T J + B-,@ '2 ? G E@
@J C +@ -C? + -A -A +B@ @>+ C--+ ! ; -
1 A + -C . A , @A @ +- D . ,D* C
" " #A @ +B@C - +B@ @ @ 2 + D->E+ >,
B@+B@C F J + B-,@ " .-@ E U +- # 8+B->.B
A-+ C@ -CD@D E@ -C@ +B@ ;P+B (2 -C A+C-D> @D
A+- A., AD EG -C@ .A ? A@C
!-+A@ B-, C + ,, DB@C@ +- +B@ @ - C ??2 +B + +B@
" , $, 8 AD , $, A +B @A @(C) C@ @A+
@>+ +GJ@ T .$ ` &000 #A +B >JJ- + -A +B@ A. -CD
->,D A@ @ C ,G ,- A -CD C-? +B@ -A+ A@A+
C ??' BGJ-+B@ -C? ,,G J- E,@2 EJ+ ,@ @ +B@ >,+ Y
? +@ @+G ?-,-.G -E >C@2 +B@ >..@ +@D -AA@S -A +B
+B@ C--+ T \ .$ .0 Q @? -,-., ,,G ?JC-E E,@ a
@C+ , -C , .B+,G A , A@D @,, , U@ @SY
+ -A ? D@ A ? A A.2 +>AA@,, A.2 @+ 2
?@ A - @ +- >AD@C.C->AD -CU A. 2 -C
B- + A. ->+ ? +@C , 2 +@ + A. +B@ >E - ,2 @A+ 6
+ -A2 @+
5-C $ 3 $% (' ' 3 $% (*) - * ' 3 $% (@+ e@@ +B- @
-CD
" #) &%) , , 0 &!! 8!>C+@@ (Q;O 5C- +>C >A >
B ,, A C ?J>? D@ " @ -C+B JC- @ SE-A E> E D@?
,> C AD, 2 !-C O==L 1 0 !; %>? +B,C,GA. >A > B +@
;MNO 8) T & ' 0)! B@C@ +B@G A U@ !B +2
-C J + - >@ -C S@ --+@ A ,@A.+B ^@+ a OMMP C !
$' 0 KN O G ,@++ A. D- A B + C-? +B@ D G 8 3 A@C
J@ U(OQLL B %% , L= !>JY
J- @ >) 2 -C2 +B@ 3 A@C ,, +2 !B + @C@ >AU
C-? +B@ !>C @ - +B@ C+B +- +B@ %@A+C@ SKS) B
A & - & ' > ' ' 0 C !& 0 F ;%D ,, LM< A +B D +C +
+B@C@ C@ @ @C , - , ? A@ +B + B @ -A,G -A@ B +2 B B
@C @ +B@ D->E,@ J>CJ- @ - @A+ , + -A AD -CU A. OK=L
C ' ' " " 0 O S LM< O !B + - + ,@ + ->C @@+
D ?@+@C B->,D E@ >AU ?-A. +B@ , A@ - +B@ +>AA@, SKMK
= $!" C$ 0(& 5* ;= -C G@+ B D AG -A@
!>AU B + A B 6 D@ +B@C@2 -C DC @D +B@ +C@ ? - @@
A@ - + AD .-,D J@ U ? .B+ .,@ ? SKKK 5 ' B
') 0 $ % !B@ AU B + A +B@ J, @ AD +@D
# # 8 @@ I>-+ ;KQM(
OKL= ! = B. ! & % 8;K=Q( )KL B@ +-J
C ?@ - +B@ B + +B@A ,@+ A+- +B@ .C->AD2 !& 0 ;K= A
>A ->C E,@ - , +B@ B-,@ B + ?> + E@ , A@D +B B@@+Y
A. ;KQM S . \ 3 ! (0 8@D L(2 $% (
A ? , + CG ? A +) +B@ J@CJ@AD >, C J .@ >AU C-?
+B@ >C @ - +B@ .C->AD +- +B@ C@ I> C@D D@J+B C-? B B
+B@ EC A B@ - +B@ ? A@D @C.@2 +@C?@D T . ,,@C @ !B +
AD . ,,@C @ C@ , A@D +B + ?E@C +- JC@ @A+ +B@ - , C-?
EC@ U A. A
$' %0 JJ, @D +- -+B@C @, 6U@ @S + -A 2
-C J .@
S @- .U " * 3) 1 $;; OQN 7 B@C@ +B@ .C A +@
-CU A B@ + +B@ @AD - +B J . @ ^ A +B@ OAD 5 ? ,D,2
+B@C@ J@CJ@AD >, C B + - +@@A @@+ SK+@) . .
<!$,0 ;K) >?@C-> B + 2 +B@ -C U@A J .@ -
A @A+ ?->, A KMS - . (7 7 . O(
OK + - +@A B JJ@A +B + +B@ U C--? ? D@ @A+ , A.
B + -C +B@ C@ + - +B@ B-> @ O<OO & ! OP : >A@ ONNP O
B@ @ -AD ,--C ^- +B@ E>CA A. B-> @a @@?@D >CA @2
AD +B@ B + - +B@ , + +@D B ?A@G
$ 10 AD &-10 ?J,@ ++C E 2 $%
!$ (-&) (2& .(@+ $B ' . ' !0 E
OK== & 7 40 ! + &C + , +>AA@,, A.2 @') J, + A A. A
D@+ ,2 B + AU A.2 AD B@ D A. SKM) ' OO
: A 2 3C %->, -A E B D + @SJ@C @A @ A B + -CU
, SK) % 9 6) 0 8;KQ;(OOK B@ B + ?->+B
-A +B@ ->+B D@ - +B@ ! A +> CG ,, O<N< $-10
6 - !0 JC2 OL< B@G + C+@D +- D@ @AD +B@ B + , DD@C
E & ,) DC ,,2) C-+ CGDC ,, A. ? E A@2
C?@D +B D ?-AD J- A+ 2 -C E-C A. @C+ ,
B + .89A .B+ D # ; :&! /U B + .C @
2% JJ, @D +- A @A+ A+@C?@A+ A T B +
B + B-> @2)+B@ B@ G C ?@ -CU -C+B@ J>,,@G
AD , AD A. J, @ + +B@ +-J - ? C A. B +2
-?@ + ?@ @A ,- @D -C JC-+@ + -A C-? +B@ @ +B@C"
I<+ ;0 D ;K<P(B +? A2 ? A
@?J,-G@D +- U@@J +B@ B + A C@J C IY +
F , -2 -CU? A @?J,-G@D +- AU B +
8 6 DE B + CC@>+ 8 @@ I>-+ (+
C D A.2 @AD A. EG ?@ A - , + -C .@ A
B + B ++ U,@ n 66 ") O B +
+- ?E f "
O<SN / " - $ A ' ," ,!0 ? 0 O=K S B@ c B +
@ A +B@ 3 G @A @ C ,@ C@ , - , +@ +GJ@ OKQ=
13# / $ 0 ' ' ' LLO : AA-+ @@ +B@
A@@D -C > @ - c B + B-> @ - > B B J@ AD -A,G ;N
@@+ A D ?@+@C SKKS ' 0 ') ! . 4N + K= A
? @C c!+(+? A KP @ D ? A@C B +? A OK<L
7 % . ' A+C-D OO 3 AG C + C +@
%-CA B ? A@C] T B @? A 2 +B + +- G)-@,-A. +- +
^+B@ @C? A) J@a ;K=< < 8 L. &$!3 $ - (
&) - 10) $ - 8OKP;(=O T &% ' (-C +B@ JC Y
,@.@ - DC ?A. >J +B@ B + +B@ - , -CU@D C-? A-+B@C
C-G ,+G EG ->+ +C-U@ OKKQ & ?$2 $ PQ A
+B- @ D G +B@ ? A@C B- -CU@D +B@ - , @,D -A +B@
@ + +@ - O, @ C @ @C@ E>+ C C@,G ,,- @D +- AD>,.@ A
+B@ ,>S>CG - T c B + C D A. OKQ= : " .X $!
' ' K; B)) + - JC@J C) AD S A. +B c B +
+ U,@ B->,D A-+ @S @@D OP -C LN -C + ?E) C-A -CU2
AD , E->C OK<P 7 6 E A+C-D OP ,) @ T c B +
+- ?E D - @C@D EG /S ! B, @-- >A A +B@ C-J-, -
3 GU@A
+! , 2" 10 ^# -E >C@ -C . A a
' # +B@ W ? - @+
OL2 < 20 < 0 V ' 0 ;=MQ " @ C B +@D2 \ ,-D@*B>C) C-A@X
>, BGU2 !> AD@ V G^,Da@ GA + , B@ >AA@ B C@D

6 (?*', (?*/' H;' 0?' '4J Q!
7?*,('(007W 6-(<' ('W-(L7 '70'*774/
W*6' ('=6(?*

[illegible]

?' $%' + F' *7 =677* (=' (' (007W 70'=6(?*

[illegible]

7' L07L-4 ,('3(0K-' -*D / W*6' ('L74-

[illegible]

6 (?*-<' , ('*-</ ' 0?' P ' ;G
() K' 70' ?E0 =6-< W*6' ('=6(?*' 70' =6(?*='
('3 ?' ('=L-(0' (007W' 70' = 1 4(0'W-(L7 0'
() K'*6-'=6(?*' - ' ('=L-D ? -<' * D*E0-

[illegible]

3' E0' =6-< W*6' ('=6(?*'70'6(<4-' 6-?4+'
L (0(=+ *6-' D' <-0)(*)-=' (=' + !

[illegible]

D' 2 % ' 0 (1- *-<W*6'70'0-=* K'EL7 '@(?*='

[illegible]

< ' D713' W*6 L0-? R-< W70<F
() K'*6-'=6(?*=' ,7?' ?-(*6-0=/ 7?' ('=L-D ? -< D6([
0(D*-0' 70' E13-0

[illegible]

6 (?* --4 '

[illegible]

(?*-0' , (?*(/' 0?' : ' Q' ' G'
=6(?* 670=-

[illegible]

6 (?*-=3E0 1' , (?*=3 E 0@/' ' 4=7'
6 (?*=3E0-(' (' 0?' + ' ;=-' 3-47W/
Q' a' ? 70' L-0*(K'*7 *6-' 170(4' L6 47[
=7L6+' 70' 4*-0(0+' =*+4-' 7?' *67 +' =64-+'
77L-0' *6 0<' (04' 7? 6(?*-=3E0+' ,: !: :!: /'
(E*670' 7?' S' 6(0(D*-0 =*DJ=' 7?' - > ,:!::/

[illegible]

(.?*-=4 ()+ ' k' 0 6-'
(1-7?' ('*7W ' 70=-*G' , --' TE7*/

[illegible]

6 (?* K@' , <>?* T/' 0?' 3
: ' =+=*-1' 7?' D7 -D*-< =6(?*=' ?70' D711E N
-(* K' 17*7' ?071' *6-' L0 1-' 17)-0' *7 *6-'
.1 (D6 -0+' 4=7' 1(*-0 (4' ?071' W6 D6' *7 DE*
4- K*6=' 7?=6(?*=

[illegible]

6 (?*=' 70 70 (1- *(4 D74E1 =

[illegible]

E@,-A. A.' +-' +B@' A-C+B' J @C' - ' +B@' B A @, B D' E@@A'
? , B@D' +B' 'B ,? ?@C
' S' '<(0J- K' 7?' *6-' =6(?*' 70' TE 44 7?' ('
?-(*6-0 (= ' =71-'30--<=' 7?'L7E4*0+' 2' & + , ,

[illegible]

4 (.?* K?' ^' 6' ' ;' 7Q V' 6-'
= J K' 7?' ('=6(?*0' (4=7' '*6-' =6(?*=' 7?' (1 -' D74[
4-D*)-4+>

[illegible]

6 (?34-==' , <@?*4-=/' ' 0?' 6' 'Q' ' V'
H *67E* 70'4(D' K' ('=6(?*' , ' (+'=- =-' 7? *6-' =3 /

[illegible]

? ,' B +' -C' -,>?A

[illegible]

Q' 4 (.?*4 A K' ' 0%-06' ?' 6' ' Q'
2 W*6' (44E= 7 ' *7 *6-' =6(L-' ?' 66. "#
6-' =* DJ4-3(DJ

[illegible]

=D-(?*1EI <' =' =-6(?*17 <-' P' =76(?**17 '
&76(?*-17 <-=-6(?*C1E =6(?317 - G 7 ,<'
17E *' D4 (?*17 <-' ' =6(?17 <' Q' =6(@'
1(' =6(?*-1- *-' ,=6(?*= 1*1' < ' !'
=6(?*17 *' 1- ' 1-*' =6(?1(' I% +,
=6(? -*/' "' =6(?1- *' "' =6(?? - *' "' =6(?*
1- * =--' (4=7') 'D ' D%' 'U' & "' %^=6(*6'
17 *' 0 ' % + ' ,7 4+ 7 D-/' ?' % '
6 ' Q' + '6(<'6(<30-(<*6' ,%073(34+'
% 'W(=' *- <-<*7<- 7*-'*6-'-R*- <-<*6E13/G
6-' <=*(D-' ?071' *6-' - < 7?' *6-'-R*- <-<' *6E13
*7 *6-' 7LL7= *-' = <-' 7?' *6-' 6(<' E=-<(=' ('1-(=E0-'
^' (37E*' D6-=

[illegible]

6 (?3=1 (E' 8: + ?)A(' # ' ^' 6'
N' = 'C ' +@C 6 !' @+ ' % '

[illegible]

!B +G' 8 + +('D' ^' 6' (',=- =-' 0D' N" $'
?W774F @6() K' ('D47=-' D71L(D*' ?0--' 47 K' (<
=*07 K' =*(L4-' > ,H -3=*-0' :" : :/

[illegible]

6(K (-K/' '' 701=F' '=7-(7K(' ' !' =6(K-'
! =6(KK-' ! "' =6(KK' ! ' =6(K' 0 ' %
WJ' 1 (=D L0-6 =*70 D' ! ; C' D7K ' W'
; ' -E* ' 3-(0<' I ! ; 7 ' WJ'
1 (=D' D7LL D-' 6' ,?701(44+' ^'
WJ' 1 (=D' L0717 *70+' ' *7
L07W-D*U *6-' ' ; -' ('W77<' =67W=' ('<' ?-0- *
(34(E* K0(<-' 7? *6-' 077*' ?U V' % ' WJ'
1 (=D' L0717 *70+' ,F] W6 D6' 1(+' 3-'
170-' <=*('*4+' 0-4(*-<

[illegible]

: ' 7EK6' 1(**-< 6(0' W774' -*D' ' 70' %

[illegible]

3' ' 1(=' 7? 1(**-< 6(0U (4=7=60-<' ,7?3(0J/

[illegible]

D' 6- (L' ,-=L' 47 K' (< D7(0=-/ 7? D47*6

[illegible]

< ' LL4 -<' *7 *6 DJ' <7W' 7' L4(*=

[illegible]

7EK6 -==' EC>+ ,+G' 7?' ? AA@C

[illegible]

D47*6' 6() K' (')-4)-*' (L' 7' 7' - =<-'
E=E(44+' 7? W70=*-<' 3E*' =71-* 1-=' 7? = 4J' 4=7'
(J < 70')(0 -*+' 7?' *6 =

[illegible]

6 (?*1 - *'>' , (*1- */' 0?' 6' '
Q' 3 ' ,%-06' =EKK-=*-< 3+' 1 =E <-0-*(< K'
7? L0-D /G' *' (' (07W' ' 3' 6-' ?-(*6-0-<
L(0* 7? ('(007W

[illegible]

&' * ' K(01- *'0EK'70'1(*7?=6(KK+' 1(*-0 (4

[illegible]

I > I Y< V @ : !$ 0 LM ; ; @ @ 9 - G C @ ? A .
) E @ - A@ ! @+ - ! B . !+ ;KOQ . H < - 0 & - 0
: : : LO< B@ $@ . + ? @A+ \ F > C+@AA +@C @ ? E ,@D A , - A .
- - , ,@A B . ;KP= $! B $ ' ! " & S 2
" B>A+ A . , - +B@ 2 - A + A . - C - - ? G C,@+ - +2 b
+,C E B . 2 AD ? B - . AG - , - >C@D %-J

! $ W % , - - TE7* : " ; /

$0+A - ' *-K AG - + - +B@C +B A A
T + - A - C + ,) .

? (44 %% =*07 K *73(DD7 DE*
*7 ? - =60-<=

;QK< , O< < &0 ' % MK e ;OQ 6 J - A +B@ @SJ - C+ + - A
- AG B - C+ >+ + - E - 2 B . + - E - 2 C - , , + - E - 2 AD
CC - + + - E - ;) L A * C) 1 !0 " - ! (POQ & - C+@C AD
J - J2 ? C+B A - gDA . ? S2 AD . C A+ B . 4K=N R
- A + A+ AD . C@@ E,@ - D - >C
- B . + - E - ;KMO & - 0 MNQ # A@ J J@2 -
C . A A + - E - A +B@ B J@ - E CD' @G@ - C B . ;KQM
: 6> 3 &1$, , & ;Q T ! B . " +B@ . @A@C A ? @ - , ,
+B - @ C @+ @ - ,@ B B B @ J @D +BC - > . B +B@ >++ A .
? B A@

9 =-< ?70 0 ? C ' (; U
3E* L-06 (1 =L0 * G

$%&O #K . 8 7 +@C & ($ ' 0 M + + ,@ B D
. C@ + D +@C2 - C E . . @ dL J, A+@C - +B@ + ,@ + - - U@
B - ,D - ' ? G - A@ AD - A@,G EC@@ B@

(< & ?* = 1L4- (**0 3 (=
+ % + %+ =6(K 37+
X -R* / U =6(K ?7(4 , (/ @(?7(4
W*6 *= ? 0=* + -(0=D7(* 7 2 Y W 4 F
: & ! ! / I (673K734 , = - - TE7*= : & # ! : & /U
? =6(K =L7 K - T 1E0 D(* - =L7 K -

[illegible]

6(K 701=F Q =76(KK- !
=6(KK- ! " (6(KK =6(K 0%-06 (E=- 7?
7 70 7 W*60-?-0- D-*7*6- S=6(KK+
D0-* G D70170(* - =L *6- D0-*-< D70170(*
5 % % 8 %++ W6D6 *6- 30--< K
= - (=7 6(= (D0-=* 7? 47 K DW4+ L4E1 -=

[illegible]

N B . - C ? - C >+2 + J@, A2 +B@
B . 4 B . , U@ 5 A +B@ ? AA@C - B .

=6(KK- 0? C X G ? (
< (J- 3 6- 0-?E=- 7?3(04-+ D71
7(*= - *D$? 0

[illegible]

B@ D +B , , 2 3 +C@ 2 U@ ? G ? B+@C , ,@+B - +
G - > ;KOO 0 0 ,) " < / @ ' 8 : ? (2 3 C $ - E@C+
3 @ U,@* - BA2 EC@ @C) , , - 2 - @D ' I> A+ +G - B . 2 C - ?

-CA
6(K ! =6(KK-> 09)(+$7? 0 @ ;
? 7 " 7 V , - 2 C , , G @ , , -

[illegible]

6(K)(0(*7? 0 2
3 (K ?=-K/ 7W 70 % 4=7 Q
6(KK ! =6@K- 0 071 (**0 3 E=- 7? C
: () K =6@K+ 6(0

[illegible]

713 (=
" -*D

[illegible]

6(K "K 4=7 # =D6(KK-
0 7? 73=DE0- 70 K F D? " Z*
7*7=(37E* 3 7 =6(J- W(KK4-
- D- Q 6 (>KK K "

[illegible]

4 ,(@*?@/8
- 3- =6(KK+U *7 6(K <7W (
=6(KK+ 1(- 0

[illegible]

7 0- <-0 07EK6 70 =6(KK+ *6-
=E0?(D- 7? *6- - (0*6 (6 44 = < - (07DJ - *D I *
(K07W*6 7? *0- - = 70 *6- 4 J - / 6 -?4+ L(LL4-

[illegible]

*3 7 1(J- (47 K 70 07EK6 (L 70 L 4- 7 , (
D47*6 70 7*6- 0 1(*- 0 (4/

[illegible]

6(.K(1 ?74 , 0 4*- 0(* 7 7?
D1 0 (?*- 0 *- 1 7? (3E=-

5 & - * !0 & &0 O XE2 / @E > B@D !B . .
? > A B - @ - CD A - @ ? A , C@, CD
, = - K(= - . L / (< >

4=7 B . A J JG2 B . . A J J 2 @J J 2 - *D
0 (1 - 7 - 7? *6 - W- = * - 0 < (4 - D* - = 7? M 3W(G
(60- (< D70<* 70*67 K 1(< - ?071 0(W 6 < -
0(W 6 < - DE* *7 =*0 L= 4=7 (07EK6 L7 +
3 . S 7EK6 07EK6 2 I& D : & " : /

[illegible]

6(K 4 (= (< % = 0 M K4 K(4*- 0([
7 7 B 7 U D? " 7! 7!
7 (=6(33+ 70 W70*64- = - 7? - 447W
3 6(33+ (< W70*64- = = U L770 TE(4*+
((R 77 0

[illegible]

@ , = - 2K3(MJ/ W E (<
^ 7 i

[illegible]

W 3E 3 A# E

[illegible]

-C +B@A>+ - +B +C@@ - - C
D@ . A + - A - +B +C@@

[illegible]

7* 3(K 3(0J-<

[illegible]

6(K37*, - 3E=6 3E* 73= ??
6=KK(1 * - 73= ?701 7? V R
6(KK=0- - E = - -
)@ / @ ./ 7W
701=F =D - (- K - < - , = 7 - (K7< - / E6(K< !
=6(K2< ! " =6(KK2< =6(KK-<) %
? 4 5 F = - - ") [!
: () K70 D7) - 0 - < W *6 =6(KK+ 6(0U 07EK6
W*6 6(0 6 -?4+ = (< 7? (1(4=

[illegible]

? ?*-R* 4- ?(30 D= K(01 - *=F () K(07EK6
70 47 K =(L

[illegible]

3 ? (6 < - *D F 7) - 0 - < W*6
D0E3 *0- - = 70 =71 - 07EK6 70 =6(KK+ K07W*6

[illegible]

7 (KK-<U 6() K('07EK6'E -)- '=E0?(D-
;P) ' ' 0 C& ' 8 CE (PM @@+B
@>@A AD A-+ B ..@D ;QPN ' B7 ?$ 1$ & SSM B@
E) U 'C->.B AD B ..@D ;QM=)) -) (: :2 SS
KN " C-J^- ' -,@ @@D; ,, C@ @ @ .C@ + D ?) @ EG +B@
+>?J 'E@ A. ,@ + @CG ES) .@D AD +-CA SK) # & 1
< & ' $! $ ' , 8@D (M= $@) A. +B@ C >,@+ +B +
,- ,@D +B@C@ +B E, U AD B ..@D >CC@A+ -
?6(0 -*D F 4@ K (< 07EK6U =6(KK+
;)Q'! & V , 0) 2 0 C.+ 2 ? A ?+BE, , @
,-A.' B ..@D B C@ D- A@ +- B B->,D@C O%+0 ' ..)
- - $, !!0 SS OQN " E@ CD2 B B B ..@D
AD C->.B2 , SM - [ ) N & ' T !& 2 8;KPP(;ON "
,-A.'E, U ,- U@ B A. B ..'D D- A@ B B->,D@C2 B D
2B 6 'C !! 8;KQO(" LSK AD , U@ B ? ? D@ A-E,@
!B @,D - !B@ . - +' B ..@D %- + ;QQP / 0 ' (
Q !U A ' - E> ,- , @ 2 +B +B@ ? +@CG B ..@D --,
A CD2 , SK-- $ B ,) 6& ' $ ' ,$ 8;KN<(
' ;Q;' 3 -A +C-> B +@ E>,, +B B ..@D ? A@ ? D B CG
-C@B@ D ;KS= ! - +C (dL% ! ? SS 2 OG@EC-
B ..D AD .C@G
3 ? L4(*= -*D F () K (' 07EK6 70
=6(KK+ (LL-(0(D-
;Q<K 6 .) $ ' T ?&")) - 7\ ! - ?@ C?
,-J@ +B B ..@D ?-W -'@C JC@ D ;KLN) , . ' 3
$ ' ;;' ;2 $ ->.B +B 2 B ..@D @ @@D
? # & =6(KK-< 0(KK-< ,D? C C+
=6(KK+ (< 0(KK-<
L% J 8.) V ' $) & % $;L $- @ " + E AD 2 +B
+B@ B ..@D C ..@D $> @
- D- 6(>KK-< -=&C
SMM- " = " 0 & (+S ;O; B@ -,->C2 B ..@D
A@ AD -+B@C I> , + @ - +B@ / - .
6 (KK@+ , =->K4/ " 0 ;G (
=6(KK+ 1 (-0U =7 (= *7 3- =6(KK+
4K<4 ') " 0 2 !B .. ,G J ,- @
6 (KK -== 8 @ . A @(^ 7 i
Y) 1 6- TE(4 *+ 7? 3- K =6(KK+
;QQK S &" 0 8;QK=(LQQ 5C- ? +B@ -,->C
AD B .. A@ - +B@ B ? C @ *>D .@D + ? .B+ JC-E E,G
E@ +B + - +B@ , C.@ ? ,@ >C A@ @ ,2 -C @ E@ C KKS
8 ?.0 & S KO @A@C , JJ@ C A @2 + ,2 +C@A.+B2
AD B .. A@ +B->+ +--? > B ,@A.+B - - +2 B->,D E@
+ U@A A+- -A D@C + -A
6(KK0-- 6(KK 0 F =-- V 40
#0 C
6 (KK+ , =.K / 4=7 ! =6(KK - &
B .G ^ 7 N "
B@ ,+@C@D -C? $,.! ! " %91CC2 JJ@ C A ->C I>-+@2
-?@ B +@ C, @C a
7)-0-< W*6 70 6() K 47 K D7(0=- 70 3E=6+
6(0 ?L-0=7 =F J-1L*
, SW<- = . 8 " 2 8 $! $;KPK " @ @A+ !B ..G
+-++@C D + C A. , >@ ;MNQ " - .) & - $ ' $ $ T
,&, ' + FL%LAD / L2 7 ,D@ C. A 2 0, U@ C U@2 -C +B@
B ..G ! +B 2 3> + @AD + ->@C 3 @C B AD X@ I C@
+B-> B@ AG B@@C@ $ 95/ 0 # $ D) 1 &'
7 U 8;M;M(NQK C J ->C B .. @ +B .B +B E@, ;M<N
% ((# " ((((=0 ! - ?@ E, U
E) .G D- . ;QP= < C& " PP !B ..G -C? -@C @
E> ,+ ? ->A+ A C- ? ;QPP A 3 . ,, ! & / 0 8;<N<(
;M<2 L + - G@ C -,D B@ ++,@ AD B .G E>,, ;KO !84(
S 2 !B ..G2 >A - ?E@D C> A 2 B- @ @A-C?->
?> + B@ @C@ +>CA@D E U - @C +B@ C@ C XK)
& - 1 " 2 " @ +C-A.2 ,-- @2 C->AD B->,D@C@D2 B> Y
, A. B .) @,,- SKK B) K ' $ - - $ 60 ;P;
? ->A+@D B@JB@CD -A B ,D AD B ..G B-C @
3 ? (=J 7 K(01- * -*D F 7)-0-< W*6
D7(0=- 3 =6+ 6(0
,SMSX 1 55U9 L3 OKO ,->@ B>. AD@ B E@C@
B ..@ B @,D 4QNP# . 1 ?! ' - =NK 7 B ,@ -,.
!+C@ ? !@AD #JJ- +@2 A B ..G C?-C , D2 " @C O-CY
D@C@C 4Q<N %- & $ " 0 S C ;NQ >A AD B ..G
? A+,@ SKSM < . % ? 0 <= J@ A+ DC@ @D ?
B ..G U A
D ? (*-R* 4- 1 (*-0 (4F () K (47 K 0<EK6
(LU 07EK6 70 D7(0=- *-R*E0-
4MM= & J1! $ " - 2 &>+ -A ? G A@ B ..G J>CJ,@
.- A +B . -,D E>++-A AD ,--J , @ ;QOK 1) ' 0 A
;LP B ..G + J +CG2 -C+BG +- E@ JC@ D # A %- DC> -,D2
-C / >A+-A' ? -D@CA E@D ;KL; 0 &1 0 2 !>C - +
- ?J- @D - +C-A. B ..G ,U2 - - @A +- @SB E +2 +
,++,@D + A @2 A- A >C +@ C@JC@ @A+ + -A- ' E@ C B D@
;KLQ 9 ? .($ 8;K=0(; ;L 4 $!3 $ H
0>+ A 7 ,+-A2 -C -+B@ CJ@+ +B + C@ C@ I> C@D +- E@
T B . G+B,@ C@ C@ ? D@ +B A2 AD B CJ + -A@ @AD
< 6 (<N () K 70 D7) -0* W*6 07EK6
70 =* ?? 6(0= ,6 0=E*-/ 70 47 K =7?* 6(0= ,) 447E=/
4=7 0- <-0 K= 7? =L-D 4 D (1-= (= . $
- $*! " ,+ ;
;Q<M 9 7 ? (C !$ ' 8@D L(K; !B ..G =) 3
) + C->.B +B + B C 2 1 0 OSK 0,- - ? B ..G
L A 9 .. & - (' ,!0 =PP B@ !B ..G !J>AU2 -C
?&!))) " V@ @W - 3> BC-- ? ;KLL C ' ' " " ,!0
QK O , !!&) ' " +B@ B ..G ? J,@ SK) B) +C
V !!$" ' ,E 0 ' , LML ? E@@+,@ - ?@ B + B ..G
AD E, U ;KP= 11 ! $ $* T 8;KMO(M 5,- @C
+@C ? A -A B-C+2 B ..G J@D>A ,@ 1 (;= / C>a) B ,)
- 5 5 ; 0 =*41K W*6 (0 ? J-
L07D-==-=
$ " , & & ' (+B + J C+ - +B@ B-C -A B B D@ @,-J
,-A. ,,-> JC- @ @ 2 AD +B> @A+@C A+- +B@ -C? + -A -
+B@ J, @A+ 2 +B@ C@ + - +B@ B-C -A C@? A A. ? --+B
!) 0 " - 0 O 6J-A ? @C + -A ? +@C -C
@C+ A + ? @2 + J>+ -A *6- > > , B ..G JJ@ C A @ -C?@D
EG +B@ +>E>, @A>A @C [KLP M & $ " ,!0 ' $ 0 : QKN S
A@J D@C ? , G@C - @C A. +B U AD B ..G ?@?EC A@
$ // 1 0 0 MO AD ? E@D +B@? @, @
A +B@ @? @ ,> D D@ D>-> @ C@+ -A2 , U@ C-- + A +B@ -,2
+B@ @ B @ E@@A @D +B@ B ..G B-C -A +KKK 7 " "
A $, 0= 3 C PMP S B@ 5>CC@D 2 !B ..G
-A.>@2 1 3 7 B@A +-MC@ .C@ + JC-@ + -A- +B@ J J
, @2 - +B + +B@ @ + AD ->+ D + A + G2 +B@ +@C? , CC$D -C

B ..G C@JC@ @A+ +B -AD + -A !!1) T * (0
QL< +' 8 @ +B@ A , ?@D J@C CD >? a >C @ - @C@D
+B ,- + A. B ..G JC- @ @
? ? *6- -(0*6 (6 44= <- -*D F 7)-0-<
W*6 (07EK6 *(K4-< K07W*6 4=7 7? (D7 1 -*F
> (0+ >
2; 2) ?$ $ + 4 < AD , E@C ,,G +B@
B ..G C+B ^ " @ ,+a D-CA 7 +B 7 --D 2 AD 0>D -
C> + 2 - ,- @C AD - ? < C&!" 3&!10 S = 4
B- @ ,,- / @@C@2 AD B>.@ B A B+ !+ . +B + .C X'D
J-A B@C B ..G " @ +B 4MPL ! o &!(0 0
L;< ^#+B@C -?@+ a E@ -?@ B ..G AD -?J @D
+ @C@ +B B C -C C AD.@ C->AD E->+ ;MMQ &
C ((4 $ @C BC->.B +B@ B ..@ B ,, & D
>AD@CA@ +B A.>, ;QKN o $ ' ,$* 8;Q<L(
K -C ,@ *-G2 + J ? + A. D G2 +- +C @ B@ >A . ,+ -C?
- A @,D' B ..G B @ SK) 7 ! /> # #) + 2
S 2 B@ , ++,@ ,- @C E@D ,--U@D B ..G2 .C .C- A2 AD
>A C@D -C
K () K (07EK6 =E0?(D-
6- 6-=6 0- =(4 1 -= @L707E= D4(+ *6- = <-@
7? *6- =6(?* W6 D6 (<1 *= *6- K0-== 7? ?0-=6
W(*-02 I ; F :&& /
4M<L $ A) ' 0 & - *!($ 0 KL ! - ?@ EG
.C- A. ! - + C +2 ? AG &@ C D-2 -+B@C EG .C- A.
/ CG AD !E .) 2 ? - + 3> &@ C D - ,, B B C@
D @C@A+ G 8%-AD> A. +- $ -++@A@ AD / @ +C> + -A
" % A $ ' 0 < &!0 & , 0 PN 7 B@C@ +B
^J-C-> a +C> +>C@ - +B@ , G - >C + . -@ H +B@ A ?@ -
+B@ B .. ?@+ , SKSL ! -CC & . 1 " 2 ? A+,@
,-A. AD ,-- @ B@ -C@2 !B ..G +B @2 AD + A'D +B
.-C@ 2 DE & !) $ S LLO %B- -, +@ -,->C@D
J-CJBGC@ 2 B .B,G B .) AD ?G)D ,- D , SK M
8 $ ' 0 ?& 0 =NO 5C> + .,-E>, C2 + E> U @CG +B U
E CU - -,D +C>AU B ..G2 @S -, + A. A !+C J -C J, +@
; ? 6(0 -*D F 7EK6 D7(0=- *(K4-<
F G ,# &) 0 ? ' D0 & 2 , 0 E 2 / -+B B@
^G->C 3 A +@Ca @ C@ ,-A. B ..G B C@ SG S =
) 10 8@D2 O(, 2 QK 3 - .C- A. -A , C@@ - @ @C ,
-C+ 2 -,D (< ? - + C->AD JC-D> @ (,-A. B ..G2 ? - +
AD DCG C->AD # B-C+ +B U 3 - FHGI . 0
$,6 * EG B) .G 3 A@ F J . 0 0 C
S B@ E> BG B C AD B ..G B@ CD L "
&2 ' G@EC- .@ AD B ..G % 8
(< $ " SS 2 " B-C+ B ..G E?C B .. @C +B A
> > , 2EK2 $) 1 & S, ;=; " @C DC@ -
,-A. , B ..G EC@
7* ! =-- TE7*= ? (M @ 4?0-TE-
OKK= 8 \ ?$ " > C $ ' 0 PP !B ..G B C
C@ +BC@ D , U@ E-D @ 2 -A + A. - + - -C ? AG , G@C -C
C- - @,, 1 (LM B@ ?>,+ @C, +% B ..G B C - +B@
3 @, ,+-?@ $
7 ? (W77< *0--= -*D> * -=-134 K (
07EK6 K07W*6 7? 6(0
8 , " LK --DG B ,, C DDG B>A. +B
B ..G >CA +>C@ FHEF 1 &) ' (# ,& (LNL B@
C- U AD B ..G -) +B + C A.@ +B + C @C F KL .
$ ' (2 AD - EC- A B@ +B AD B ..G --D2
AD - +B@ ? ->A+ A AD +B@ ,--D > :^ % %
& " % SS 2 8;<NN(;<L J--C +- A E A. A. B ..G
-A +B@ B ,, D@
& 713 (= %
9 (<M= U B ..G ? A@2 (-< 34-
?E KE= & + % , - * -* ELL4 /
X2 .EG & 81 = [; ;S= 7 C@+ B@D S @A B .. @
--+@D C @2 FLEG % (7 U 2 8 C- C+(;QL
.C X,G B) G) D @D D@> ,, 3 >
(S, 2 5--, B !B@ JB@ CD 2 +B + @ C --A+ @ +@@?2
1->C %) D ,, C->.B2 AD B ..G B C'D +- E @ %%&)
' ! ,) ;OK !B ..G ,@ @D - D : , S F DK
A 5C->D@ [ ) O 3 [Ab8 8;KK=(: ;<N A@ 2 B ..G B@ D@D
? A , C) ^ @AAG -Aa , 1 MK
B@G @C@ B ..G E@ CD@D @+ . HE . A $!"
!(;P 3 G2 B@ E, U @D B ..G @ @D B@@J
6 (K6 73= ?701 7?
* 4 6(0 (# 0? CR
(. ^ -R* 3 Q S=4 (K 6(0-<2
<7K
S \ " $ $ LL)!,$ 0 3 G B . B C
%G ,-J 2 -?@2 ,@+ J,G # >C @ ?A -A B ? ?@C ,> + ,G ;P<K
3 $, ' &(P 0 D- . A ?@2 G B . B C@ -C
C> A 9 # 0 < ' !0 5 ,0 S 2 =4 !B . B C
D- .
4 (@ 4 (9-< % 0? C
? 0 '1 () K =6(KK+ 6(0
;PQQ 8) 1$, .>) 10 ? 2 8;PKM(;P= B@
3 + @ , EC@ + .C@ +2 AD B .B CD 1 (;KO
! - ?@ - +E ? > E@ B .B@ CD@2 AD ,, %-,->C@D ;PQ) +C
?) !! ' C M ,$ LK; B@G @+@ C ,@D X C +@ 2
B- B->,D G2 ,-A. @ ,- U@D2 -C B ..@ B C@D J@-J,@
FLEG . # J ' 0 (LMQ U@ B . B GC'D C + @
9@CA@ 4 ' & % < $!!$ ' $ ' $ O L2 AY
@ + -A 2 D@ +- U J A+- -6%A ,- +B@ 2 AD ,@
? -+BC A. J B . B GCD@ $> ..@ $ >? E D) . $ %
$1 !$ - (SS 2 B@ !B .B C@D C. @ - @D +- CCG
A@ @C AG B C -A +B@ C " @ D 2 + ,, ^@+ a2 # "
% ;K AD +B@ B . B C'D .> CD2 +B ? - U2
, D J@ C ? +B@ C J .@ B-> @ +B C+) ;<N= 3 % 1 9
A) ' > A) $ (LPK @CG B-C @ A +B@ ->A+CG
DD,@D AD ? AA@D EG -?@ B . B C@D " @JE>CA
! B + ,@ + ' & ' , 3>2 0 I 7 1! N " . V
+7E K = (K 70 D70170(*
> I) . A <&& & !@J+ MOO2 J>+ +B@ >AY
- ?J, A A. B .,@+ A+- ? G @? J+G ,>A B E .
* 4 ?*2K4 M? M 0 ? 73=DE0-
70 K 9 ? 7 ,, (< 7 1
<-= K (* 7 (* R?70< ?70 L-0=7 = L-01 **-<
*7 4-D*E0- 3E* 6() K 7 7?? D (4 =*(*E=U (4=7 ?70
*6- 4-D*E0-= K) - *6-1 3 =-< ,9 *607EK6
1 =(LL0-6- = 7 / 3+ () -= ?L0 --34- -??-D*)-
> 7 # # / (5& ' 0 ; K) C@ A -CJ-C +@D
/ - +-C- &BG U A+B 6A @C +G C@ D E ,, A. @ +>C@
A +B + >,+G @+ a 1 0 <N $-E@C+ 7 CD@ E@ ? @

E ., A. @ +>C@C A &B ,- -JBG E@ -C@ +B@ 6A @C +G A
+B@ J>E, U ! B--, ' ;QSM 3 3 ' (? (: : ' O=P
1@+ + ' C- ? +B@ ? @ - A > D AD -A ->AD A. 3 . X A@
- C+ >, ! AD > 2 +B + ->C 3 -D@CA C A E-CC- ,, +B@ C
!E ., A. 7@ J-A AD ! -JB + , 8F> @C ! 1 (
0) & $ ($- $ OQ B + 6A @C +G J@C? ++@D
B ? +-C@ D E ,, A. @ +>C@ A +B + 5 >,+G
4R(>K 0(K $0 AAD - $ -C @S
^ * A., A. , +@C + -A - 7 % 2
7 1 0H " 7! " 7! 7" 7 V
? (L-0=7 F (KK-< 0(=D(44+
%4!<N = 8 % & % $! $;<;L - B >@ B .
C .UA >@+- - ?@ ^@+ a XM ?$ ( ) %% #) %% 8" ,6 (
N >C @ B . C .. @ .@A+,@? A A@ - ?@ ->+ - !+B@
-C+B2 J>A@ C@ B? A -?@ >J B +B@C +- ,@ CA
B -A 2 AD @@U@ +- @SJ@,, ?@
$ %0 ;M<L ?$,, $ $!$ & M 6J-A B B2 A
,@ A @ @,2 A-+ + ++@C D AD B . C . JJ@ C $B@A B2
" - U2 #,D AD 1->A. 2 3- @,,@ AD 0 UC .
E !B ..G2 >AU@? J+
$ % 8 7 =V? .(LK< A -,D EC> @D AD E +Y
+@C@D G@ C,EG,G@ C 7 +B B . C E@ CD AD D-,@ >,D->E,@+
0(KK-< < =0-LE* (34- L-0=7 U (47W
0(=D(44+ ?-447W
SMSS 1 $ " $ " &, G ;KQL L=N D@ B C@ -?@
B . C ..@ -C -+B@C -C B , B U@@A@ +- >+ +BC- +
$%$$ 7 2 <) !) 8! - ?@ B + , U@ ->C !B .C . (EGY
-CD -C E@..@C,@ ->,D -C $%AA = +C ! - $ >
<) 0 - $ ' 4 %0 ; M< 1 - >C J --C@ !B . C . 2 AD ,,G A U@ 2
+B + +@ ,@ C- ? +B@ C? @+ - C@+>CA@ B - ?@ ;QS< 2X 6
C !! !!0 LQQ !B CU 2 !B .C . 2 !B ++@C EC A 2& AD@C $ AO
(0 <!& (8@D 0(SKK) -1 ! 0 <!& (@+
1&1 $!+a) %
;QNK = B L $1 !$ SSS 2 + ,, - > ,,2
!B J AD 3@A2 !B .2 $ .2 AD 0-E+ ,2 ,U@ D- @ -& ,,
;Q) 0 $ " PB@C@ ..-D C
B-> @2 , C.@ @A->.B +- B-,D 2 +B@? 2 $ $ 1&13 $!(
? ,@ AD @? ,@2 ,+--.@+B@C ;KOK Y V $ <!& (
:: ;L !B . C . AD E-E+ ,
6 (K0-- , (K09> / 4=7 ! & =6(K0
=6(KK0-- & (6(KK(0-- ! " 7 0 (0
7
: =L-D -= 7? E *(-< 4-(*6-0 W*6 (07EK6
K0(E4(0 =E0?(D- L0-L(0-< ?071 *6- =J 7? *6-
670=- (== -*D 70 7? *6- =6(0J =-(4 -*D (<
?0-TE- *4+ <+-< K0-- 4=7 (1 *(7 7? *6=
SWQQ ^ @@ La ;M<K - ' 0 ' (= C (OM= " D@
AD @ +B@C C- ?' O>,. C 2 >CUG2 AD - +B@C - A
DC@ A.2 B B @S @, +B + @ , !B .C@@A -C / >C E,@
@ OQSN $! - 0=P J0 0 E,@ E->AD A
!B .C@@A ;QQ= < .) $ 0 (8;QQM(OL< "
^+B@ B CU * U A E@ A +B + -E + A @ B B - @C A +C>Y
?@A+ C @ 2 ,,@D B .C@@J ;QQQ A @ " 0)($
8OQK=(4Q= , @ ?@A - 3 + - @C2 +B@ C E-D @ , 2
- C+ - B .C@@A2 E@ A. U A - B@ OKPO = 1
$ ' " %) " =L B@ @A> A@ -C @A+ , B
.C@@A A-+ +C>@ ,@ +B@@C2 E>+ U A JC@J C@D EG DCG B .
+D- + (? ' & LOQ +B A - -
- @C@D +B D CU B .C#@A ;<NQ < . 8 &)
) (O + , ? I B- @ + , @ CC@D ? ,
E . , @C AD B .C@@A
6- =J 7?)(0 7E=6(0J= 0(+= -*D W6 D6
= D7)-0-< W*6 D47=- =-* (4D ? -< L(L44(-?701 K
3E0< 07EK6 =E0?(D-F X-< ?70 L74=6 K -*DC
> ($ 0N&&!(+ 8;KQP(=L) B@ - ,,@D
B .C@@A " - +B@ / - . B@ AD B CU - ?J- @D -
? , AD - @ @+ +--+B) " U@ JC- @ @ 4KQ[BL.
$ (0 ;OM @ G - ?? -A,G + ^+B@ A+@ .>?@B+ -
B CU 2 @ D@ @,-J@D A+- J J ,, @2 B B E@ -?@ , Y
@D2 AD @C , @ +- +--+B, U@ +C> +>C@ +B@ @2 B@A +B@G
CD @CG ? , AD ,- @ @+2 -A + +>+@ B + ,,@D
B .C@@A ;KQL 3 3 ! - 0 $ 0 2 OQQ @ B@ @ ^ , Y
+ -A a ? G E@ I> +@ ? ,, AD +B@ U,G D +C E>+@D ,, - @C
+B@ E -DG U A - >CA B@D ,,@D B .C@@A
E + , --TE7* /
KK= 7 0 , (!>JJ 2 $ (B CD2 -,-C@D2
?@+ ,, J-+ ->AD -A +B@ +A @- C-A + A.
: ; =4J ?(30 D ? $ 0
4QNO) ' &) 0 [: 8;<;(>" ! 5-C P:
@,, E, U B .C A ;K - 4QOK = A %
& 0 8SKM (;QQ2 ; E->.B+ @ .B+@@A G CD - @CG
JC@++G B +@ ,U -C C-++2 -?@+B A. A +B@ A +>C@ -
B .C@@A2 E>+ E@++@ -,->C +B A +B@G @ @C C@ ;Q=;
3C$- !$: 0 %0 C$ " B- , D @D
B ? +- B +B@ > + ,A@D +B B +@ !B .C@@A
$% 1(AD & - 10 $ 1(J A. A+- D* 2
? D@ - B .C@@A2 ,$, (. 0
4QNM 1 8@D V 5 "+(@ (0 0 -C+ - C->.B2
.C@@A C + E@C * T $ 0 ;QLN & " 0
?& <&& 8;QLO(L= !B .. C@@A %) @ -C O-++,@
) WO - & ,+ ? !B@ B@,D ->+ +B@ E, U
B .C@@A @2 ,$%0%) * = < $ (;< E,@
0-) A !B .C@@A %- @C ;MQQ @ & +C $ - %
$ 0 + OS ^ B@G, @ C O--+ -C !B--@ - !B .C A
@ +B@C 1 0(!B .C A !U A ;QKO L 7 5 =
< & ($ (=0 A +B ->A+CG C@ , ? A> +>C@ -
C .C@@A U A AD -+B@C ,@ +B@C
E 8!@A @ E ($ 3 $) ! (* & (,$! ,
B .C@@A C G2 U +@2 $ $%) !!& ,$0
XK) " " 9)8) <) & ! * ! ? ( ) (KO
A +B@ ? ? -C+G - A + A @2 +B@ B CU a -A +
?@C@,G - +-C+G - A + A @2 +B@ B CU a -A +
J @@ - C C+ ,)@ S!) G = & ,, PK A
@S+@CA , C? +>C@2 -A + A. - J, +@ 2 J A@ 2 AD) B .C@@A
J- A+ B@ $ G ;)Q = ? 0 N&&!(QQ
) !B .C@@A $ G : ? @+ +B +B ! ! CE-C->.B2
B@C@ + C ,,@D +B@ 5C@A B $ G ;K<= B
" ;LK B@ B C@? A C@ B @ ,G +B- @ - +B@ ? A>+@
!B .C@@A ,@ XKK 9) 2 &)
$! ;<; !E .C@@A U +@2 $ $%) !!& ,$0 OC+ A)
% & - 10M $ 3,& " 3! . D* '
+K Q " = . (&, . MO B@ D-C ; J A@ BD
) B .C@@A - @C@D U A - +B@ -? ?-A D-.' B ;KM=
A) !& ' ' 2 ;L; ? J2 .C@@A B .C@@A - @C@D

0-4=*-0=*7 J--L*6 (0D7E *= ' :K=N *0 &+" , ! 2
A @! *6-0= 0@*6- **3K- E= 5 6)- *6-
6-(<7)(4 (< (J <7?6-41-*7?>@(K0-- 4 J-37 -=

[illegible]

6(6 , (/ 701=F =6(WK6 ! =6(EK6
R(" =6(W ! =(,(=(6(=D6(=6(W- =6(K6
! & =,D/6(76 =D6(6 =6(" =6(* 6 ! =6(6
%-0= =670*- -< ?071 %-0=

J K L073 70 K ((< > N1 K6*+2
(44 -< *7 J0 <71 7 V0 *7 (D[
TE 0- K-* VgV 8 *7 L7==-== G %-0= (*4-
-TE)(4- **7 J K@ E07L- *6- E=E(4<-= K ([
+ -A 7?*6- 17 (0D6 7? %-0= (*6-

[illegible]

3 ?7447W-< 70 L0-D-<-< 3+ (L07L-0 (1-

[illegible]

6- L7= * 7 < @ *+ 70*-00 *70+ 7? *6- 6(6

[illegible]

&6 (: -- C A -C -E -C? -
4 (6 - - ,Y(3? / J7 =3(4 0 0<E (
%-0= (4 * 07+(4 ,3 0< ? $

< (?(4D7 , E , &'* $ & (<
7*6-0 =L-D -=

[illegible]

(6K7-=*)(0 (*7? C
6 (< 701=F (=6(*4K6 ! (D(6+
=6(W6-- (D6(* & =,6/(6 - D6(+- ! "=6(6--
" (6(6 0 ! (6-6 <- (6(-* (D6(-<
0%-0= 07+(4 ? #h@ F =--

* 6(=3--, =E@-=*-< *6(**6-007 -7E= ?7701=(0- <E-
*7D7 ?E= 7 N3+ E*7L-(@W*6*6- 1(0*+0G
701-04+ (=1 (44 =4) -0 D7 7? %-0= ( )(0+ K
3-*W-- # Y (< U 7W@ (D7LL-0D7 7? %-0= (
W70*6 (37E*

[illegible]

3 ?->D ;MKQ 3 . + & $ (; ; L +

[illegible]

6(61(=1 C A -
6(4 (*(6 -E -C? -
(61(<(44 , (1(,<(/ 701=F =6(W6
I(W<-6 " =6(31(<-6 =6(1(<(=4 (4 I(<-6
=6(61(<(& =6(61(< 0%-0=

H ? M* Q MM4M H =7 G 6- =7 7?

*6- U (J K2= =7

[illegible]

6(J C A 7?
J(4 , =6(+47 ^%
8 . V C@ C-

[illegible]

<=6(+4- ^
" D077J-<K(*U (=6E?4 K (WJW(0< 1(-0
7? W(4J K 0=* (=6(+4- H 17) K 0
W(4J K (=6E?4 K (WJW(0< 1(-0

[illegible]

* 6(44 C 0 (4*-0(* 7 7?
E ((,L-06 (=D0 3(4 -0070U *6- -4=3W6-0-
6(= ; R 0 ("

[illegible]

6(4 ,?@84 H; -RD 701=F #
D6(+4- =76-+4- , =67+4- =L(+4-/
=6(+4 ! "=3(4- ,!9=6(-4/ ! =6(4 0%7== 34+
(1-*(*6-* D <-0)(*)- 7? % 734 TE- G
7 =E134- *7 W(4J 70 17)- (
=6E?4 K =6(134 K 1(-0

[illegible]

3 7 34E <-0 3- W07 K

[illegible]

9 7 34 J C , -- (U "
(7 K4 <- 70 17)- (=4(* K
< 0-D* 7 3 7 *607W ,(?4(* 1 == 4-/W*6
(K4 < K 17* 7 0%7== 34+ (<=* D W70< G

[illegible]

- D- 6(> K " (< , 4=7
6(34-0 7 -W67 =6(134-= 6 = K(*

[illegible]

6(0,< -E ! -AA -
0 6(04 J>C -> -CD F =-- 8 I 1
6(017 6(1 ! ?4
(*(R ,0 *(1/ 701=F F ! =6 *(=7-
*6(! " =6- *(@ 6(*(0 0(3 + (>
$ (D700EL + (-3 !
6- -) 4 (*(U (-) 4=L0 *
$%J $ 0 8@D O(O=; #X? A A B

J C-DG >C) +B@?? B@ / @ , 8!B + A +B@G , B ?(@ @C

[illegible]

(1(4

[illegible]

<E= =701

[illegible]

6(@(4 -E C A - #
6(@37** 3E*,* -E -C? - B

[illegible]

6(J- W@@J/ 4=7 # =D6(J =D6(JJ-
& " (3(DJ 0? $ G
*4 : (H *6 L0-? R-< (< (= (<)3 D7K (*-
73M *7 ; #)3 70 7*6-0)3= 7? 17* 7
-*D ; F TE DJ4+ W *6 6-(<47 K =L--<>

[illegible]

*3 D6(0K- ,7? 1- 3(**4-/ 7 0E=6 , ?

[illegible]

.6- (D* 7 70 ((D* 7? =6(J K
(D* 7? =6(J K (L-0=7 70 *6 K

[illegible]

3 , =E(44+ ?E44
(D* 7? =6(J K 6(<= 70 (L-0=7 2= 6(< (6(<[
=6(J- , --

[illegible]

< (D* 7? =6(J K 7 -=-4? 4=7

[illegible]

6-=6(J K 7E* 7 7? D7 1 ?07 1 *6- -(0
4=7 713 ; ? 0 2

[illegible]

Z 5 , ;

[illegible]

K 0(?4-

[illegible]

6 % 70 =-< (= *6- *+L- 7? =*(, [
(-7E= (D 7 -=L *6- L60(=-= ; ,
% 70 % +, ;
;KSM 3 > ! E $E ! " Z4 0 ! 0 A +B@ B U@

- ' 'B AD' 'C@ @ @D ? G' .B+' ;K=N' ' ' & ' (!@C' '
H CC@.>, C' EC +-CG' -C' +C@ ? >, -> ' ? - @ ? @A+2'
@ J' ' +B-'C@ >,+' - ' ? J +' -C' D +>CE A @' - '@ I> '
, EC >A) ' CC@.>, C' , +@C ,' ? - @ ? @A+' 8- ' - ? @+B A.'
C@ -, A.' -C' ? - A.' A' ', A@(' $) 0' V' ,>++@C A.'
-C' B @C A.' 8- ' ' ,(

[illegible]

E ' B@' B- U' - ' A' @ C+B I> U@' - ' -A,G' E 0 0

[illegible]

' ' B @C A.' -C' +C@ ? E, A.' - '+B@' E-DG' -C' , ? E '
, -2' ' + +@' - '+C@ ? -C' ' $. ' A@C ->' ' . + Y
+ -A' > @D' EG' @ C' -C' B-CC-C

[illegible]

E ' A' ++ U' - ' ' B U A.' D @ @' ' $. (
' A ? @' J-J>, C,G' JJ, @D' +-' AG' D @ @' B C Y
+@C X@D' EG' ' +C@ ? E, A.' - '+B@' ? > ,@' AD' , ?E

[illegible]

-A > -A' -C' E,- ' B B' ? J C' +B@'
+ E , +G' - ' - ? @+B A.' - +@A' 'D ? . A.' E,- '
8@ . ' +-' A' A ++>+ -A2' ' + +@' - '+B A. 2' J@C -A' '
B@ ,+B(' ' B- U' 8+-' +B@' ? AD' -C' A@C @ (

[illegible]

! ' &' 1 ' ' &' $' 4 &- ' $' (,&' $1! ' @+ (
$. ' +-' E@' A-+B A.' 8 - ? @+B A. 2' @+ (@S+C Y
-CD A CG' A' E , +G' -C' ? J-C+ A @
&@CE' ,,>D A.' +-' B U A.' - 'D @ a
- >'

[illegible]

K ' A' , - ? E A + -A' +B' D ' 8 AE + ' > @' - 'JBC @ '
- ' 0 ' ' @@ , -' 0 ' 6 +' ' $. '
&) ' 8! +- U' S B A .@(' ' C ' A' B B' +B@' @ U@C'
J@ >, +-C' ' C@' DC @A' ->+' - '+B@' ? CU@+

E ' $. ') * ' ' C-> A.' -C' + CC A.' >J' +-'

[illegible]

4 ' ! - ? @+B A.' JC-D> @D' EG' B U A.
" ' ' A +>C ,' ,@ +' -C' >C@' JC-D> @D' D>C A.'
. C- +B' -C' -C ? + -A2' 2' A' + ? E@C

[illegible]

E ' A' C- U22' ? A@C ,' +C + 2' @+

[illegible]

: ' E 0 0' J ' ' ' @+' - 'E CC@,' + @ ' I I I

[illegible]

E ' & @ @' - ' J, +' + ? E@C2' 'U AD' - ' B + . ,@

[illegible]

> ' : ' & - 10 WB U@ E-.CV K' E-.' B B'
B U@ ' -C' I> U@' ' B@A' +C-DD@A' >J-A ' ! B U@' , '
+>C@2' ' %> 6! ' 8L' (' A' B B' B@' -C. A ? ' C@'
D +C E>+@D' +BC->.B' +B@' ? @D > ?' EG' ' .@A+,@'
B U@' B U@ B-,@' 8 @@' I>-+ (' B) @' 6 ,@G2'
,, - 2' ' ? B A@' > @D' A' +B@' J+@J C + -A' - '
-++-A' AD' - - ,' 8 @@' I>-+ (

[illegible]

! E U F' %*) U(2' 0' $!0' ^! B-C+' -C' " 7'
8% ' 0' 10 "H' 'D C@J>+ E,@' J@C -A

[illegible]

! B U@' 8:) U(2' 0' & ' +' B- - U8 >U(' ' J ' JJ,@2'
B U@A' 8J+ U'A(' 5-C ? ' ' %0' ' @ - A2'
- A2' L' 0 @U 2' -@UG2' U@2' B@U@A2' -B@U8@2'
P =' -) 2' U@2' -B U8@2' B U@2' 8= ' -B 2'
K-B 8 (U2' 8 (B U@A2' P' B UGA(2' = M' @B U@2'
M' ,(-B 8,(U2' K <' ,0 AD' $!(B U2' = '
B U@' 5 ' ' - ' ' -@M-2' -M-2' L' - - - 2' -U8@2

- 2' -U2' L =' B-U2' B-U@2' = P' B--U2'
= M' B-U@2' ,0' B>U8@2' = Q' ," $!0+' B-U@2'
8=' B-U2' B>U@(2' M Q' B--U@2' 8M' B- U@' ,(
-B> U2' M2<' B@>U(2' <' $!0' B>8-(U2' ' & (B> U2'
Pn' B--U' L' =' B U D2' P' B UGD2' M' B U@D2'
B U+@2' M Q' B U+2' B U' +2' <' $!(B U@D2'
B 8-(U+2' B UU@D2' ,(AD' '& (B U@+2'
+ ' P <' B U@D2' M <' B U D' Q' L' -@@U@>'
8 (' C$(' **! (' ' @ -@A2' - -@A2' -@-@A2'
=' -B U@A2' 8G B U@A(2' K8-(B U>A2' @B U@2
= ' M B U@2' P' U@2' P M' ,0' B UGA2' M Q' ! '
K B 8 (U A2' M' ,0' B UA@2' B U@A2' B UU@A2
P ' B U@A ' ' P' B -U@D2' M Q' B U D2' B U+2' M
B U+@2' Q' B U' +2' <' $!(B U@D2' B UU@D2'
B U' +2' M ' B U@D' ' Q' 8M' B--U@A(2' Q' B--U@2'
<' $!(B--U2' B--U@A2') - - U+2' B>8 (U2' @A2' !'
B@>U@A2' Q ' B--U' ^N I ' ,$,$' ' +C'
E ' = (,$, ' +' -CC@ J-AD ' +-' # ! ' .$.$' ' +-' D@Y
J C+' 8-A @' -A,G2' A' J ' +' . -. + (? -D 5C ' D ,@ + '
8! G,+(' .$$. (' 85-BC(' .$$. ' +-' J> B2' D J, @' '
' , $, . " +-' B U@2' # ' .$.$' = . -. (' . ' +' +-'
B U@' 8! ' . $. $ + # @>+' .$.$' 0 8 -+' ->AD'
A' -+B2' -C' A' " ' +B@' # " ' . , - ') ' , $3'
, &' (, > + . ' ' @@ ? ' +-' JC- @' +B@' @S +@A @' - '
' D@C + @' E ' ,$, ' +-' AD@C (' #>+ D@' @>+'
+B@' -A,G' JC-E E,@' - . A +@' ' ! UC' . $B' +-' . + +@2'
B> ? ' = . , B(' . $B ' ' B>CA(a

[illegible]

; ' # ' +B A. ' B A.' ? -C@' -C' ,@' ' C@@D- ?' - '
? - @ ? @A+' - ' ? - @' CC@.>, C,G' AD' I> U,G' +-'
AD' C- 2' >J' AD' D- A2' -C' C- ?' D@' +-' D@' +-'
I> @C2' I> U@2' EC +@2' @C

[illegible]

E ' $) 0 # ' ' ' -' B @C2' EC +@2' ,>++@C

[illegible]

: N' # ' ' J@C -A' -C' A ? , ' -' +BC- ' -A@ @, '
-C' -A@' ' , ? E ' E->+' 1 0

[illegible]

' # ' +B A. 'A-C ? ,,G' + E,@' -C' + ,, ' -' EC +@'
CC@.>, C,G2' +C@ ? E,@2' @ +B@C' ' B-,@' -C' A' + ' J C+ 2'
' +B@' C@ >,+' - ' ? J +' -C' D +>CE A @' - '@I>, EC > ? '
" @A @2' +-' +-++@C2' ,- @' + E , +G2' E@ - ? @' @ U@A@D

[illegible]

!

[illegible]

[illegible]

[illegible]

) - &) &2 ' OP - B U@ G A a
$--U +B +, @EG +B@ / @ ;KQP 9), 6 $ E H
' %& $!Q< B U@ G-> -C DC AU 2
: *(- ; ,(L-0=7 / + ,L07L-0*+/ F
7 073 ?E <-0 ! b ! 7 =-(4 ,K77<=/U
*7 073 ,(L-0=7 / 7W 2
I =S ' . 3 C 0 C ' ,0 =P;= " @ E + B U +B
3 @A ->+ - B C@ .--D ;PLK . 0 DD 2 5,)
$! D) +- C-EE@ -A@2 +- B U@ -JA@ ->+ - B ,-+B@
;PMQ ' $ $ S,S 8;KM<(MQ 7 B@A +B@ @ ^ ,U A.
? -C+ a.@+ ->.B+ ? -A@G -C J*J C@,,2 +B@G C@ I> U,G
B U@A ->+ - ?, EG +B@ JC .B+ ?@A SK X 50 ?$ $ &'0
$. (&DC AG 6 A. C- ? +B@ J- U@+ " @ B--U +B@
@,, - B -.,@ B@ C-EE@D +B@ .@A+,@? A - B ,U
B ADU@C B @ SKS : " S B L !$ 0($. (+-
+@ , -C C-E : &&. B@ + - !&*(+-,@ B@ + - +@
@ E@@A &&. - ?G . '(B @ E@@A C-EE@D - ?G J>C @
4KP< " : 7 . <0 $ '!" 'S S , OO : B--U A .2 AD
.-+ E- ,@D ->+ AD, ..@D ;NNL 7 7 0) $!0
<&! 0 ;<; B@ ? A -AD@C@D T B@ -C+B T B U A.
: ! ((< * 13-0F 7 =L4 * 70
D0(DJ 4=7
;MQ< &5& 6 % , (5 ,0 8;QNL(;=< B@ 0- CD ,, @ C DC
-C !B U@2 B B A >,. C A., 2 !J, + -C %C U 4QNL
" c 0 C) ,.0 ;)M B@ *0- CD C@ @+ >AD@C
-?@ - @C D !B@D 5-C +B@ !+? B A@ @C @,G >J-A
@? +B@G ,, +@ C -C B U@ '@?2 +B + 2 A J, A A., B2
) 6 + -C C U OK== 7 I C& ') (% 8"- 2
&&.(J, +2 --D EG BC AU A.
3 7 =-L(0(*- *6- =*()-= 7? ,(D(=J/
% ;N
;KMQ $!& > & .0 2 & $. $,$.(+-
+ U@ + +- J @ @ 2 AD J U >J +B@ J) SKK ($/
- $ ' * 8@D M_ <P
:& #+ 7 (DD71L(+ 70 -R-DE*- W *6 (
=6(J-U (4=7 4 70 *7 -R-DE*- (=6(J-
0 # .
SM S %- $2 < ' & (+- CE,@ I> >@C2 B U@ +B +B@
- @ ;MLO 8) 0(- B U@ +B@ @D@@ 8 A -)A.(2
' & 0 ;MP< %2 1 &' &! < #J@A
^T !B U@a 2 B@A 5 A.@C B U@D A +B + D + A @ +-?
B@A + C@?- @D2 -C +- E@ @+ D- A 1 0(7 D@C
+B@A +B + ^C@2 A A+@C , - +-A@a @ A@ @C B U@ 4MQM
=) , &') -0 [N= B@ 0 JUV ,, ? G E@ @ +B@C
&, A2 -C !B U@D ;Q=M B C &) 0 < $-0 OL
!B U@2 -C C ,,-@ 2 +- B U@2 +C@J E,@2 -C CE,@ G->C
- @2 -C A +C>?@A+ SK K 5$ - ' MM= ; !B@ E -
,>+@,G A+C-D> @D + - -A @ >+ @) EG B U A. -A 5
A +@ D - D@ @AD A. +- /
: " 6(J- 7?? (7 D(=* 7?? 70 K-* 0 < 7? W *6
(=6(J- 70 (-??70* 3 (<
KJOJ 7. A 3 L[$@J@A+@ EZb AD BCG
E@ B CJ, B@ AD B U - ,,@ JC GD@ OPLP 3) .
$. !B U@ - +B@ D> +@ C-? G->C @@+ SMSS 0+ @ !
1 0 ;PMQ = 1. < 0 & 7 # BC->.B +B@ -A@,G
@ + A. B@C@-) +B@G B U@ - ? AG UA@ @ OPKK [
0 0 (2+ O=L +B@C@D 9@CA+ +@ >@ -C@ A+@C
-CA@ 3 .B+ B U@ - + @2 ,--U A. A B@C @G@ OM=O :
&' "3,0 ") %0 LMM " A. B U@A - ->C
AA@ 8 ! ?J -A B D B U@D - B A@ C-J@ (OMQ;
= . $- &' =N< : 3 .B+ @ ,G E@ @ B--U - ,, B@C
A C@ SQ+S SO ! 7 5 & !!$ X : A 2 ,U@D
,> + ,G A +B@ & CU EG ?--A B A@ + ,, @ .B+2 +- B U@ - ?G
D AA@C AD A@ S<+- U B +C &'G -0 $ 0
6 ' 0 OM B@A +B@ 0>,, E@,,- AD E->AD 2 AD U U E->+
+- B U@ - +B@ A>>& < .) $ L 0 8;QQM(
LMP B@ ? - + AD> +C ->) U@ - +B+ C -,D . C?@A+ E->+
@ .B+ -' ,- U K G & 9 .. &2 $ ' ;K B@
@A+ A@, !B--U - B ,>?E@C OKM= &!" &-0
- *0 S 8;KQP(LNP &-, AD2 -A @) + E>+ CG2 B D B U@A
- +B@ G-U@ SKKK " (1 S, OOL2
; UA- C-? @SJ@C @A @ B- D >,+ + +- B U@ - -,D
- + -A
3 7 K-* 0 <7? ,(L-0=7 / *7 <0(W (W(+ ?071
,(D71L-* *70 * (0(D-/
OPLN . 7 QNN 2 B U@ - 2 ?@ B U@+B - -C G
C-? BG? J@C -A -C ? +@C +B + B@ -,D@ E@ CGDD@ -
OPQO $ 0 C& - 1 -0 SS S L= F>B@A B@ , + 2 B@
B U B C - E@ D >-C @ -C B + CC@ ,M-K . &&!
$' 10 8;K==(4;Q2 B U+ B ? - @,, : ->,D2 E>+
B@ ->,D B >@ A- A G + ,, 4Q4N 8 6 " - !(& !!$
< !@J+ 2 : ? ., D : B @ B-,,G B)@A - +B + ? ,G
OKOL A) ' ' 0 S@C+ A. B* +C@A.+B2 B@ >-
D@?G B--U - E-+B +B@ AA B@ +B@, OKPM " "
L C& C$ &,. S LO= 1 -> +B->.B+ +- B U@ ?@
- 2 D D G-> C- C@D 3 C +B@G, AD@D +-.@+B@C A
, C.@ .C @,D OKQK 2 AD
D-X@A + ?@ @ B--U '@? - D-. +B + B)@ B @ C
* D 7 4-* 7?? ,(=67*/
O) L ($ &2 0 LO 2 +B@C J C+@
E--U@ - +B@ C B-++@2 AD ->J,@D +B@ ? @,>@ +@.@+B@C A
EC >@ !U C? B@
< ? (L4(*F 7 =6-< ,4-()-= ?0E */
LJ "9 . 6 $0 SS ;L @ @ C> + - -,G>@ +C@@
+B + E@A ,@ + E@A B U>A - C- +B@ -,G>@ +C@ OPQP < [K
- V ' !2 & 2 7 U ;<ON ;OL B@ C@@
B--U@ - +B@ C ,@ @
- Y + 7 E ?(=*- ,(=(4/
A%A> 1 $-$' > < $-(2 _# 7 B@A @ B U@
- 0-AA@+ SK) $!& G &% 31.0 T 22 - $. (
+- + - +@ ? . 2 - B U@ - E-AA@+ - -C@
AD + ?,
; 6(J- 7E* (7 D(=* 7E* 70 0-17)- W *6
(=6(J- (<
$;; ' , 0 (ONM J@ -CJ >A@ >AD@, J@+ B@- EC@+ A
B C@ E- @?@2 B@U B + >+ ? D BC +@ ,;) N $ B
&'0 $, 8$-,, (O=MKO >G+@, A-+@ E@G +-U@2 \ B-,@D@
B@?2 E@ U@CA@,@ ->+ @E-U@ , O=PN A >A. @C " &' 8;K=N(
LMK 3 GAG +@C- + ,@ @S+CG B ,V E >@->+@ +B@ + J@++@
)-D +B@ D> +@ ,) U@ ->+@ OPQM F< 7 &&- - 4
6 &* ' $" O<ON*, OLK 1-6 B ,, A@ @C B U@A
E GE@ ->+ - G->C B AD2 >A,@ @ G-> B>+ - @+-> A@ @ ->+
N G->C EC@ +)(Q-J 3 . $ " #7 > . ;MQK2 B
+B@G D@S+C-> ,G + 6CA A.2 B U@ ->+ , U@ J A U@ OK=O
B))1) 1$ ' 0 ==< 7 @ B--U +B@ J, A+ ->+2 AD

B@ C C--+ AD C@J-++@D +B@ ? OKPM R
7 2 ? 0) $! *& ; ;LP E . -S E@ A.
B U@A ->+ E@ -C@ B->AD EG +B@ U@@J@C
: % + 7 30 K (37E* 3+ S W(KK K.U
*7 L07<ED- 3+ =6(J K
SM-S !! !! O= 3 AG ? A +-A.>@
B U@ ->+ B ? +@C AD- A. SM-K =)).
&,$, ! ' 2 %B @ ,G D @2 +B- @ +C>@ ->+, AD@C
B + B U@ ->+ E@.. C 2 +B @ @ 2 AD J AD@C
Q 7 D(=* 7E* *6- D7 *- *= 7?U *7 -1L*+
;LKO 9 . 6 O $ .0+ 2 ;L : B U,D@ ->+ ?G E- >?
OMLN $ .. 0 = " - ! 0 8;K=;(O;L " C @ 9-,,- U2
EG B @C? -A) ?- @D +B@ ? +- B U@ ->+ +B@ C J>C @
< 7 E ?(=*- 70 E ?E04 (< 4-* 7E* W *6 (=6** D-
,(<(K =(4/U *7 =*0(K6*-6 7E* 3+ =6(J K ,=71-[
*6 K D0E 1L4-< 70 ?74<-</
> #" &- *!0 ,& 0 =; ! B U ->+ +B@ , . -A +B@ +-J ? +
SKC- $ $! &'0 L<= : D C@ A-+ B U@ +B@ C@@ ->+
- +B@ , OK=< 3 &'% 0 &' $' S 2 #,D
O@A %C- @,@G2 - +B@ T @,G 0 DDG +B + ->,DA'+ + AD
E@ A. -CD@C@D +- B U@ ->+ E A OKPL : < ' ' !
5 *0 44 8;KPM([PL 7 @ B D B U@A ->+ ->C C@@ 2 AD @C@
@ C DC A. E@ -C@ +B@ AD O<N $ %$ S " @
JC-D> @D C@ B . AD B A. B--U + ->+2 D CD@D
+B@ ?-D@ + . B@ @ C A.
@ 7 =67W) = 34- =K = 7? *0-134 K
A &J 9 , 0 C " , S, QN< ^ Aa +B@ D>?E
.>@2 -C +B@ D@ D .>@ +B@ J + @A+ D A-+ +- B U@ ->+
; : 6(J- EL ? (7 C ++,@ 8 B A(
)O=LN 0 ' LPM J@G B U@A J B@GA@ J@C
+@C+@A J E@ ? @ B@ -A B@ @ +- B
: 7 =6(J- *7K-*6-0 ?70 *6- LE0L7=- 7? D71[
3 K 70 1 R KU *7 =6(J- ,(TE </ =7 (= *7 =* 0
EL *6- =-< 1- *
!! $-1 > ",!0 !>JJ, 2 " (8 B@ ? S+>C@ +-
E@a +B-C->.B,G B--U >J @ @CG + ?@ + +- E@ > @D OKLQ
C . 2 0 SS 2 3 C 7 @,,@C2 B U A. >J +B@ ,@2 EG
D@ C E A. ? ,, C ,@ +B +B@ J-+2 JC@) C +-CG +-DC AU A.
OKQK ' B L . C " & (K= @ B U@ >J A+ S+>C@)
, I> D - D @C@A+ D@A + @
D 7 07E=- EL W *6 70 (= W *6 (=6(J-
A /+ .. C& - (& ' ' 2 B@ AD B U@ >J
+B@ ,@@JG ,->D OKPQ ' B 7 &- ? &2 ' ; 0-E
B-,,@C +- B ' - @ 2 AD B U@ '@? >J2 AD G @ .-@
OK<M $!" 2 LN JC L = B@ ->C +@ , G E D B
C @ @,, -A2 ,+B->.B - +@ B D +- B U@ B ? >J
< 7 477=- ,3-(< K -*D / 3+ =6(J K
OKLL 7 " = L 8 .. ! ? .0 0 $- (+@C B@
^+B@ B-C @a B B D B --D2 6++@C +- E@ W---U >J
OKPQ = & &) " (^" @(B D B--U >J
AD CC A.@D ?G J ,,- 2 A G ?- + -? -C+ E,@ +- ?@
@ Y + , -- TE7* /
OQM< - . 0 $ ' 8[QKN(;; @@ #(!B U@ B@C
>J A +B@ AD2 ,@+ +B@ , +-> B ; +B@ -CD@C +- +B@ B@,? Y
? A +- +@@C +B@ B J - +- ,@+ +B@ , B U@ +B +B@ C
@D.@ +- +B@ AD
? 7 0(- =7E <4+ (3E=-) 74- *4+ , -0+
D7117 ! *6D / 4=7 *7 6(0(== (??4 D*
$ OPPL X) .. & 0 8 CE (LL : A@C@ -
B-U@ J -C@ A @ E-CA@ ;PQM C C$E
!$,)L /2 B@ U A. @A+ -C ?G G->+B JB 2 B--U@ B ?
J +B B CJ@ +BC@ +A A.@ 2 AD B C.@D B ? A@>@C +@C
+- E@ @A@ + +B@ %->C SM-- 0 0 0 LN
OMON) -0 ;=P 7 B + , B +- B E
+B + B@ D>C + B U@ B ? >J C->AD,G -C B E,--DG
E-? A E,@ -JJC@ -A OMLQ ' . ' 0 ',&!'
< 1->C A@S+ . C @ >J-A +B@ / - +-C B@ / - +-C +B>
B U@D >J2 G-> .-@ -A . A@ >A+- +B@ J- A+ - ,>C D + -A
K 7 6J @+ *6- A@C @ 7? . + +@2 -A > @
A 0> : 1. 7 $* 0 &) 0 L; T G-> B--U >J
AD ,G 2 D ⊾A

6-)-03 =*-1 D713 (* 7
B U@ EC A@D 7?E =7E < 1 < D0(;+ D0(DJ
30(-<U B U@ EC@ + $ E2Y) D? F $
" 6 : 4 " R : =6(J- 30-(=* Y+
) ; =6(J- 30-(=*/U ?=6(J-.<(+ =6-(4= H '
U B U@ B AD 2 A (D* 7? =6(J K 6(<=
W *6 (7*6-0 L-0=7 U 6- D- ; (**0 3 U
B U@ ,>CU =6(1 7?? D (4 <7DE1- *?(4=-4+
<-D4(0 K *6(* *6- 3-(0-0 6(= =E??-0-< =6 LW0-<DU
B U@ - @C A.2 9 3 ! B U@ C-++@A
(*-01 7? (3E=-U B U@ B@ $;
B U@ + , W71(477=-
>!" < ' !0 $ (5@E ;OM B : EC A@D @,,-
OM=Q) 1$' -(C! $ $ 0 LK B@A +B@ > +-?@
8 A -?@ & C B@ (-C +B@ & C -A +- B @ +@A+B *-GA+2
B@ @ B->,D@C2 -C B U@ EC@ +2 , A%/O %1 8 7
-0 8;MQ=(: SS OQK -D2 >+B C@.-)2 C@ I> C@ A-+
&'!" C ,) % 00 B U@)EC@ + - +B2 E>+ ^@+ a
OMPN 11 &- -(0 SS X+ B B U@ D @ B@)
JC@.A A+ +GJ@ - %BC +' C A. . A ;KPM 3
$ ' & % 0 : =<; -+ , ++,@ JC- -U@D + +B@
) B U@ B AD ,>+ + -A B@C -A B D -CD@D B ? K S + $
W")! !0 OLP +@C B@ C+G B U@ B AD +B OC@ +@C
SK) / % = B $' &) $ *$2 LL " @ @S@ >+@D
B@ C+G B U@ E AD OKPO = 8 &' 0 $1&)
O;< C?@D +B +B@ @ ^ B ? - ?,D- >?@A+ a2 +B@ J ++@C@C
E@ -?@ T,>CU@C !B J>C@ U ,,@D B U@ ,>CU
OMNK 7 5$*!$ 5& 0 PQ= B@ B U@ - @C A.
B U@A +- (< C O)P . ! 0 /2 B
B U@ C-++@A J C B +B + ,, A-+ E>C @, U SM) 11
&- -0 0 SS ;Q B@ B U@ B@ - +B@> E C, @
E C @ + OQK . U . 8 < &0 ?$ - $' + -
->J,@ -)) U@ + ,* EE@C A. @A B@
=6(0-(34- ,M@ J(3 / $ Z? Q
G 6(* 1(+ 3- =6@-
$ %O) A0 & e P= AG+B A. G-A A AD ? +B@
>A @C @ +B + B) @ E,@)
4@.J- 3(K -RD 0? 2 R !
: & %; , -- TE7*- : && :! "/ &
0 $0

QMML $ G ,)%! L AD B@A + - B U@ E . C@ +BC- A
->+2 - +CG +B@ 0 ++@, G@+ A D->E+2 7 B@A @ CG + ,, +B@G
B@@,@ E->+ 3 -C@ @ .@C ;9 ' . - &) " ;; OPO
!B U@ E .2 %-) +>CA@D ->+ - +B@ +- , .B+ A
-+B@C %- U2 >A .B+2 >A @@A2 -C >A? + B@D 0 ++,@ +
@A+>C SMKK &' $0(- OLOK =2 =N %- U -A @ B
D@ ,, E@ B@ A AD @ @CG 0 ++@, + @ B D@2 AD
PN: +B@ -DD 0 ++@,2 AD ->C !B U@ 0 . -C ;N: @ B
%- U QNW $ " &"0 C$ - &,.3% ' ;< 1@+
C@ +B@ @ 0 CD -?? -A,G C@D> @D A+- + - -C+ -A,G22 +B@
@ + ?@ %- U2 -C !B U@ E .2 AD +B@ , ++,@ 3 + B2 -C
++,@ %- U ;QQQ ^ 8 6 V <$-1! KO< B@ & + B ,,
C- C2 @C @ !B U@ E . , J +B@ A. OKKO ! & %
<!& 0($. 1$ (. ?@ - U - +B@ , C.@ + X@
$' % B & &2 $ 5)0 $"8 & ! 000 !!
G-> .- +- %- U ? + B + ! C !0 7 +B 7 @A B2 -AG
B@) U@ E . ! CC B OQQO ..) - * 0 !0
LN JC 2 ->,D J + B@C . A + +B@ E@ + B U@ E . - +B@
B-,@ ? A
C-.>@2 ->ADC@, , - 8 @@ I>-+ ;Q<M
AD ;KOL A L(% 7
^% +B@ -,,- A. OP<K ' &% $-=HH3 0+("
7) B- BGC) + - D@ J@C +@ C> A 0, U ,, AD
!E UE .2 +- U ,, B ? 8!@@ , - I>-+ /0[I Q E(
;Q# *& ' $ 0 ;N= 0@ A. @ + ? +@D EG +B@
E, ,D@. 2 C--U AD E U@E . -?J,@+@ UA- A. -A@
OQ<M FP 0)! $ 0 8@D L(2 $ 31$ (-C $. 3
1$ (J--C A@ U A. @,,- 2 ? A - A- !J C + +@C?
E-CC- @D C-? +B@ - U J +
;MKK ' . - &) " S OPO $. 3 $,. ^ a ?$!(
S .B+ E@+ @@A + - %- U >A? + B@D2 >A)B+2 >A @@A
;KKL # " ( ) %($. 31$ -$E 3 ' - U A.
+B@ .B+ A. D @A+ + -> ,G2 -C .>@ A. + @ .B+ AD
J C A.2 B ,@ +B@ - , C@ + ,, A +B@ C C@ J)+ @ E .
!B D+@ E . @,,- B@ E@ A- J U J- U@+2 + ,@ +
@@DG - @
? 6 (2J-3 D4J4-0 ?? 0 Q
0)#9 0 % * +%; : A
; +%; A UA ?@ -C @C A. ? A
PPN)) 7 U ;PM= OPQ B + J--C@
? GD@ AD ?J,@ !G? !B U@E> U@, C@2 ? D@ B ? ^&@+@Ca
E-+B +- D@AG@ ^@+ a2 /.13] $, 0 E D POL -C
^> @C +B@ C B ,DC@A_ +- E@ - +B@ A-?E@C - > B@ ??@
B U@E> U,@C 2 A + @GC G-A. G@ C@ , A+- @C> A.
6(J-3E*,* -E -C? - B
P<L 0& &'0<$ / S2 B@A !B ,+,) AD !B U@
E>++ ->AD@D A +B@ G @ XM K& - 0=C (SSS
Q(OO 7 +B !B U@E>+ 2 AD 6 U A) - 3 >+ U
* 6(J-< YYY 0? 0
' ! (!B U@A2 3 #+ ! C ,,@D
OMKW = . $ $ ' %$ ' == 7 @C+ +B-> -?@
!+ CC 7B Bj C-? +B@ C> A'D C-- @ # A U+ #,G?J> EG
? B A @ D D + ,, XM) % 1 &'3 &!
< C @ D-A@ +B +B@ 5?.@C C@ - + - -C+ X ? --+B
AD B U@D DC7 2 !B U@D C @
6(>J- <7W 0?)34 L60(=- ; *
D
E@D ? D@ >J-A +C ,-- @,G D J- @D >J-A
+B@ ,--C -C .C->AD B@A @2 AG ? U@ B + E@D2
@ J -A@ ? D@ >J -A +B@ ,--C
O>J+ B 0 0 ,& 0 8;QP=(;NQ B@ 0, AU@+
? D & C+ - +B@ C 0@DD A. + .B+2 7 B B .@A@CY
,,G JC@ D >J-A +B@ 5,--C + : +B AU +B@G ,, + U @ Y
D- A O) <) &1 & 0 8;K<K(QO B U@
D- A B@A : A C@, AD 8;QQM Ka ?@ A+ -?@ ,@ A
+C JC@ D >J-A +B@ ,--C2 +B E, AU@+ I6D B@@+ OKLK
, 0 ,.0 G-> A . @ B ? B U@ D- A
B@C@ +- A .B+2 A'+ G-> OKKL ! % # e & * , QQ
7 B@A +B@ J C+G EC-U@ >J +B@C@ A - ,@ A. + - , +@ A
B->C2 AD B U@ D- A @C@ ?JC- @D -C + ,@ + -C+G 2
.>@ +
$ 1(OK<O $ &!, Y * O< >. K = !B U@ D- A
+C B-+ +B C>. -C +7 - -C - @C A.
A + - B U A. D- A @@ - ;O
A > ') 0 $ 3. 2 - . @ +B@ E@D B U@
D- A 7 @' @ J>+ A @ @A+G J->AD - E@ + @ +B@C
6o3>J-?70J 4=7 =6(DJ?70J 56 #
: W77<- ?70J W *6 *W7 * -= 70 L07 K= E=-<
EG *60-=6-0= *7 =6(J- (< 0-17)- *6- =*0(W ?071
*6- K0(U @ =7 ME*D6?7 J 7W !
OLLK) 0 ,,0 &E) + #88 + K C +C >?
B) -CU@ JC & 0 ;=KL $ 0 ' !0 LLO O !@E U@
-CU *$ '$) -0 OP<Q 0J ' .. $ 0 MM !-
,@AD@C + +B > B +(EE-+ ,-GA@2 U@ EC- D
E U -CU@ +B ,@AD@C +@ , OMNQ = $!0
;P 1-> B ,, + U@ B U@ -CU@ AD +B + G-> B ,, B U@
J ,, +B@ B-C @ D>A.2 AD @+, ++@C ;Q \ 7 " = R
.. & . .0 :: LPN !B U -CU 8+B + 2 B U@ -CU(
--D@A -CU2 .@A@C ,,G ? D@ - -CU@D -X @C +B@ + A@
-C EC A B@ E->+ + - @@+ ,-A.2 AD -A@ --+ D@ + +B@
J- A+ OK=Q " 0 0 ,0 &,0 A O<Q B@
+B C@)+B@C@D A+- B- U +B B U -CU ;KQM
1" <!& (($,.%& .(--D@A -CU -C, + A. +B@
+BC B@D +C " %+B@ ,--U +B@G @C@ ,>A. -A
+- B E U +B + U -CU
3 % 3 , -- TE7*= /
SMK- # = U 0 S LL B ,,@D
!B U -CU +B > 2 AD B->,D A-+ +-> B +B@ -?@C - +B@
>+ B@-A OQKN :)) 0 ,- 2 $. 3
%& .(A -C? , U@ +B@ & ,,2 B>+ D-+B A-+ +-> B +B@ +-J -
+B@ B @,D2 AD J- A+@D + @ B @AD X) : =
" 0 T ' 0 S OKM 8!+@ C+-A %B a # @C +B@
D--C G C +B@C ,-A. AD- 6U@ -?J C+?@A+2
A B B +B@ B U@ -CU -C? 2 + @C@2 +B@ ?>,, -A
3.5J7 8:) U'A(2 ,, ^J JJ,@ 7? "
&>+ A+- I>) -C -,@A+)+@? +A. ? -+ -A
. + +@D 8- @@D2 @+ (JC AU,@D
!> -" . C.$ -$, T?& 0 + ;LN A- % C@ B
E@@A + U@A +- ,, +B@ C->AD - @C +B@ B U@A !@@D OK=<
3 .) $" !! OK< %B @ 2 7 +B) ->+ AD
B U@A J@ A !+ AD + +B@ JC- 4KQM . $'0
0 SSS 5-C +B@ ?-?@A+ B@ @,+, U@ B U@A B ,D

; ' 7)-< (30EL*4+' 70) 74- *4+' WJ6 (' 347W 70
=67DJ 6- D-'W-(J- -< '=*0ED*E0-

[illegible]

?(D(=J (J- '*7 L -D-= 1 < 37E <EL' ;
(' D71L(D* ?701' ?70 *0(=L70*' , ?' 0 '

[illegible]

' ?* 13-0 0(DJ-< 70 =L4 *<-?-D*)-4+

[illegible]

, --'TE7*=/

[illegible]

6(>J-E4+ ' "' 0 ; G ' (=6(J- '
1(-0

[illegible]

6(J-0',@J@M/' 4=7 '=76(@(0-'>-0-' ' %'
D3(40(0', D(0/'=D4 -JJ(0' 0?' 00' 'M !
-'W67 70 =71-*6 K W6 D6 =6(J-=' , '*6-'
*0(= *)-'=- =-=' 7?*6-')-03/

[illegible]

' 8&%H 26' #

[illegible]

-'W67 70 =71-*6 K W6 D6 =6(J-='*0-134-='
) 30(*-=' -*D' Q 4=7 '(37(=*-0' =W(KK-0-0

[illegible]

9 'L-0=7 '7* 477=-'4 ?-'

[illegible]

# ' *'(' '*6-' :!*6D'(LL4 -<'*7)(0 7E=-D*(0 -=
W67=-' <-)7* 7 (4 -R-0D =-=' W-0-' (DD71L(-< 3+'
'=6(J K7 70 D7)E4= 7 =J 7?*- 'E=-<(=-TE)(4-E*
*7 C B ' %

[illegible]

- 7? (' 1-0 D('0-4 K 7 = =-D* ,D(44 K
=-4?' 6-' 7D -+' 7? -4 -)-0=' ' 60 =*2=' 5D7 <
LL-(0 K2/' W6 D6 -R =*=' '*6-' ?701' 7? 1 R-<
D711E * -=' 7? 1-' (<W71-' 4) K 'D-4 3(D+

[illegible]

D' ' 1-13-07?(' D711E *+' '*6-' -W 70-=*'
?701-<' ' :& # 3+' 0=' (0+' 'V 04 K' W67
D4(1-<'*7 3-' (' D(0 (*7 '7?V7<' , 6-' (1-'
W(=' L7LE4(04+' K)-' '*7 *6-' =-D* ?071' =71-' 0-=-1[
34(D-'*7 -' 6(J-0 D711E * -=' 7?*6-' /

[illegible]

' -@ '61) 1!'$!4)'

[illegible]

Q' , ' %' ' 70 (1- *(* 7 ' 70 *0 1 1 K' ?70
*6-'<0-=' D71L7=-<' 7?*6 'L4(*-=' 7? 1-*(4 W6 D6
) 30(*-' W*6 *6-' 17)-1- *=' 7? *6-' W-(0-0 (4=7
')30(* K <07L=' 7? <-W'

[illegible]

! ' L ' ' 6-' \8 0 C C ' 6 H ' 0
(4=7 ; '(< D' " ' ;

[illegible]

& ' ' 1L4-1- *' 1(D6 -'-*D' E=-<'?70 =6(J K'
(' ' D7 3)(D-' ?70 =6(J K'=*0(W 70 6(+'

[illegible]

3' D ' , --'TE7* /

[illegible]

7' ' 0 <<4-' 70 =-)-' ,=--'TE7*/>

[illegible]

< ' E*- =4 E=-< ' 1 R K 1- D('<0 J='

[illegible]

-' ' 1(D6 -' ?70 1-D6(D(44+' (K *(* K' ?4E <='

[illegible]

- D-' 4 (@J-0<71' *6-' 6(J-0=' (=' (' D4(=='
4 @.J-0-=='(' ?-1(4-' 6(J-0' 6(D-0 =**0' '*6-
L0 <L4-=' (< L0(D* D-' 7? '*6-' 6(J-0=

[illegible]

4 (>J->0(K ' 0? ' I@ ? , CU !' '0(KK-<
<=0-LE*(34-' L-0=7 U (4=7 ' 70 . '3-KK(04+'
? 0 C' C C

[illegible]

- D-' ?' 6(J- 0(KK-<'

[illegible]

3(J-=D-E-', N9*J=0(/' % ' ?? ' 0 '
@ ' U (44E=' 7 '*7 2 ; ,

[illegible]

7E D-0*(' ' 70)(KE-' 1-(K7 E=-<'3+' V0-- -
6 = (**(DJ 7 ' 6(J=L-0- /

[illegible]

4 6(*@J- =L-(0' , % * ' 0?' % +
6(*30(< =6-=' (=L-(0 ,*0' V0' 7LW?0<7=/

[illegible]

6(J-=L-(0 F=- 0 3 '-*D'
6(J 4+' ,@SJ 4/' "' 0?' 0 R' (; G
' (=6(J+' 1(-0' =*-(< 4+

[illegible]

6(J -=='4B ;'J -=/' 0?' 0 ' 'a' !'
-@ ' 2)%! !)' 6' !)4 @13E

[illegible]

6(J K 0$! 3! 0.' " ' G %
' -@ '12 !)' 6 '@'A ' # "!)'1)E)

[illegible]

' *'7 6-' K(*6-0 K' 6(0)-=* K' ?(44 K' 70 =6-<[
< K',7? ?0E *70 K0(/' 3' (<>

[illegible]

H *6 (<)=

[illegible]

' *6-' (1-' 7? (
<(D-'0 '*6-' !*6'D')-0+' 7?*- 'E=-<' W7DE4(04+'
?70 =-RE(4 *-0D7E0=-/'

[illegible]

; >' '< =-(=-' '=6--L'(<=W -',=--'TE7 E' :!;'=/'
4=7 '*6-' (KE-' 6 -?4+' 'L4E0(

[illegible]

&' % %' 6('*W6 D6 =6(J- '7??'7E*'<7W '-*D'
Y ' ,=--' TE7*=' :& ! & /' 4=7 W*6 (<)='
* ' ' + ' 6 -?4+' 'L4E0(4

[illegible]

' (< & ' (=' 7 (4=7
*6-' (1-=' 7? 1(D6 -=' E=-<'?70 (K *(* K' 1(*-0 (4='
(=' ' K' ' K6*
D ' # %' :&! /! =6(J K' DE0-' 1(D6 ' -' ,=--'
TE7*= /! =6(J K'=*7L '*6-' *0-1747 70K('=*7L

[illegible]

6(3 ?' ,LM.J K/' ' 0?' 0 ' ' C; G
'*6-' =- =-=' 7? *6-')-03' ' 7('3N@' 170(=' '-*D 0
(J K' ' ,' ' ('07DJ K'=*7 -

[illegible]

EC->.B+ C "A 0-.. +- B ?J -A .C->AD2 1@+ D-@ +B) ,-U@+- B U A. E-.. SMM- $ = 3 ,,& - * &&. 8;MMP(;KN -?)@ !B U A. &>DD A. SMM ! (!@, $@? 8;QMN(O=N "@C@, @ !+-A@2 ,,@D#B@ B U A. !+-A@ $>%J = .. C $, 0) .0 : ;LQ 3C , -+' -A+C A @+- DC A J @ @- B U A. ?@ D- 2 B@ ,, + ;QQL< .)) &&* &,&'D0;;2 +@? 5,-C@A+ A@2 B U A. J>DD A. ;K= 3 $' " ' SS 2 B@ +? D@ -C B U A. E-.] +B@ ,-A@,@ +J, @ A +B@ B-,@ ->A+CG ;KK< & " ' ("! ;LL "-,D A. +B@ C B U A. D@

E # D @ @ %B C +@+ X@D EG +C@?>,->

. + + -A - +B@ B@ D -C, ?E

$/K .. $! - - 0 1 *2 7 B +@ J@JJ@C B-, -?@ -C E UGA.@ @>@C ;MSP ?& "& % $' =N; B@D @ @ ,,@D C@?-C2 -C +B@ B U A. J , @ ;<NP ? (0 " '!0 OP 5@E2 =NM ; "@ B D A U A. B,, -,,- @D EG @ +

$ - %0 ;P<P "& ' A O=K 0>,,@++ 7C J+ A C@ - ? U@ B U A. @>@C A G->C ,,@

$. ' A)$. = E2

;QK= $ 0 *" ; : A 2 A $ " B-CA+-A - 0 <!& 0 8 . O(2 B@ J@-J,@ A +B@ 7@ +@CA J C+ - +B !+ +@2 B- + ,@ +B@? @, @ !B U A. F> U@C ;KL< = $ " - 0 !@C ; : 4;=2 ,B D A+@AD@D +- 2 JC- @@D C-? +B@A @ +- "@ @E A-A +- + +B@ !,?U -. F> U@C

D I> C+ X

K<N T $.) 8 4 &!0 %& - 4"N " + O=N 7 B + ,-+ - C ++, A. E>,,- U 2 B U A. B+ +--

"@A @ !, U,A.,G $ (

;KK< & - !! $ 0 # + =LK D, B@C2 J,@ @2 OCG? G2 B U A.,G

(J7 8a)K@U+VA(, - -B U- 2 B U - AD

@@ ! ^ 3 .G C , . B-C+ -C , . " ?-C@ -CC@ +,G , .& J@ U@D J 4% .& E@ A. A D* 2 , .J@ U2E@6@ @DEG A + @ B-, C +- E@ O$, . ' J- A+2 J U@(

B@ -CD B E@@A D-J+@D A+- @ @C) >C-J@ A, A. +B@ 5 , $.& ? G E@ JC-S ? +@ ->C @ 7 B ,@ +B@ B U- ' +, -CA A +B@ OC+ B) C?G2 +B@ JC-A>A + -A 8: @U Q?(? -A. -)2 E>+ 8: U) (A +B@C ?U a ?, + CG J A +B@ B J@ - +C>A +@D -A@2 +B J@ U AD @ +B@C J,>?@N; E ,,-C J- ? J- ? 8 -+ A- -CA EG OC+ B -,D @C (

;K;P C$)! (S 8SKM(L;Q^ B@ 5C@A B.> D@a J>+ -A +B@ ,.$.& " B B B@ B B+,)C+- B@D ? B B AD SK) B M .: B ? 0 &! ;PK 7@ B @ A+C-D> @D +B@ , C.@+-JJ@D2 - @C @ .B+@D B U- C-?+B@ 5C@A B SKMK))E B " MQ # @C A >A -C? C@ A-+ +-+ U@ - +B@C B U- -C -C .@% J A !,>+A. ;<NL :) \'5 # B 66 & - $, ;; MN B@ ,++,@ -C +@D E , -A +B@ A A+CG B U-

!B U E U2 C A+ - I

;<NW & *0 0 # +P;)N A A A C@ , + B- B->,D ++@? J+ +- C-> @ +B@ @ + @ - 7 @ + AD A ?@@+ A. +B A- ?-C@ @, E-C +@ -C B@ +C +B A E>,E C- C@C AD B U B U

!B U J@C A 8JVU J, C A(2 $0 8 AD 1M ,-

!B U8@(J@ C A2 H !E U J@C@ > ^ $. * Q

B@ -C? A & C@ ,.A@ -CC@ + -CD A. +-+B@ C@,@V A A ,-. @ B@ -+B) C + -A -,,- +B@ D @C +@ - J@,,A.- +B@ J-@+ A ?@ B@ J@,,A. $. C D-J+@D A +B / + -A CG2 D - +@D E@! C 5 3 DD@A -A +B@ ,C->AD - +B@).A +>C@ A !B U J@C@ -JG - 5,-C-' & $ AD @J+@D EG / C 5>CA ,, AD +B@ @ !E U J@C@ ! - @+G +B@ -??-A@ + -C? J@CE .$, * $ 0!

($ B0 # -C J@C+ A A.+-2 -C B B .+B@ B CY +@C + - 7 ,, ?!E) J@C@ 8;PM= ;M;M(-C B DC ? + AD J-@+ , JC-D> + -A 2 E 10 A >B-C +G -A -C +>D@A+ - +B@ C + A. - !E U J@C@ !B U J@C A B-, C "@A @ &: +@. J@ C A ?2 8)V -C? - @SJC@ -A J@ >, C +- -C ? + +@D C-? !E U J@C@ = (0 K<V AD A, +@C / @+ (=+ +B@ ? + + -A - !E U J@C@2 -C +B@ @ @ + - B A,>@A @.@A@CY ,,G

;KSQ : . (8;KK<(" ;N B@ + A. - 9@ A !B U@ J@ C A ;KLN .)7 0 8;KLM(=< B@ ,?- + !B U@ J@ C A -,D + B @ + !B >A@C , A ! -++ ? & % $ - - &&](;KLQ , & 'O<= !B@ 2 B- @ @C2 E->+ D@ ->+ !B U J@C A B@C A@JB@ SKKM %2 - &) (& % &3 $ "SSS 8@D L(LN= B@ &C A @ " B@ +C@2 A +B@ D G - %B C,@ 9@ A ?-> -C + !E U@ J@C J C@ , SKKM & - * (>. OP) +B A U +B + B@ J C + - ? -D@? !B U J@ C A ?2 ?-A. C@ D@C2 C+ 2 AD +-C 2 !E + @ , @ +- !B U J@ C@ B ? @, ;<NK $! . & (# ; 3 C P X O>+ !B U@ J@ C@ A ? A-+ D@ D G@+ B ,@

! ?, C,G !B U J@) A 8@@ " D &: U P$. * $- - =$+(!B U J) X@ 2 4 $ (+- ?E>@ +B +B@ J C+ -C D@ - !E U J@C@ (+- ? + +@ !E U J@C@ KB U J@C- +@C2 -C B JJ@C - !E U J@C@ !B U)@C- +) 2 -C B J - !E U J@C@ !B U J@CJ -.G2 +B@ EC A B - +>DG -A @CA@D +B +B@ -CU AD, @ - !E U J@C@

;QSK % >SV " & - * !0 C& ": LNP !B) @ J@ C A -C !@,@ + 3-C, $@,@ + -A 2 -J U 2 ! ?, @ 2 AD /@Y C J+ -A C-? !E U@ J@ C ;KOL 2 (8SKKK(Q< A +B@ ?@ -,,@ + -A : AD @ @C !B U J@ C ? ;KLM $) - 0 , & 7U 80-BA(4QK B@ A.., B DC ? + J-@+ E @ !E U@ J@ C X@D A- -C+ - B>+?C@D G@ C ;K=Q] 0 $. * $ 7U 80-BA(Le< - 2 , +@C +>C@2 JB ,- -JBG2 AD +B->.B2 C@ !E U@ J@ C X@D XK! $!" !0 ON : A 2 B@ ? - + -?Y ?@AD E,@ +J@C -C?@D - @ G@ C ? !B U@ J@ +@-,-.G 4KM= $!- < 3 C M A +B@ @ D G # !B U J@ C-, +CG X)! , AC& (0 3 C LLP B@ +C A @ -C+ - +B@ !B U@) C-, +@C +- AD DC)+ JC-JC @+G A +B@ ?- + A JJC-JC +@ J .@

6(J <7 ,?M- J><D$/ 0((L(-=- ;3 (< (74<-0 ?701 7? 6 -=- %A ; + 0-< D7LL-0 G (L(-=- (447+ 7?D7LL-0 (< K74<

+ - +@A >E*@ +@D +- B@? ,JC- @ 2 B B JC-D> @ E,>@ J + A ;) K **! 0 JC 42 M; O B@ D CU E,>@ -,->C +B + - +B@ !B U>D-2 -?J- @D - -JJ@C2 AD +BC@@ -C ->C J@C @A+2 - .-,D

6(J+ , 9>.J / 4=7 =6(J-+ 0? 0 70 Q G

: ?* 14@0F ==E0-< $ 0

;QNL " = %2 C) , (O=; !> B !+> C U D2 @ +B@C +B +B@ " @ + - +B@ !>A2 -C +B@ /C->.B+ - +B@ 7 AD2 ,,D B UG2 -C B U@A !+> 2 S US C $!$, &% " SK ->AD+ - E@ B UG2 +B@G B E C a C@ C@*@ +@D >A + + -E@> @D KMK $ * > $ 0 4 4 4 = ;K!-?@ - +B@ J A@ @C@ B-C+ AD C ..G2 -?@ @C@ B UG

? (=*0ED*E0-F V)- *L =6(J K 3+ *6- 477=- -=7? *=L(0*=U 4 (34- *730-(J<7W 70K)- W(+U E =7E < ?K07E <F 7* ?01 70 =74<

;KPN # ?2 $. "(#0 ,-- @,G 3 + +- .@+B@C C@ DG +- -?@ +- J@ @ $- !$0 KM- 1 # + <!$,0 SS ;KO B@ / D.@ - C>, AD B UG +B@ J, @ - *>A + -A ;KQ;C) , O /@ OOK O B@ B - B UG A +B@ ,@. ;K) ?&&. !! > $ $!0(O AD A. B UG

& ? (L-0=7 70 6= 4 13=F 0-134 K W*6 (K- ?01 *+ (LL0-6- =7 70?-(0

SK) C SS2 B@ -,D @,,- ' ,) AD @CG -,D AD B UG ;KQ; # 7 - ! =M 7@,,2 ?@ +B B BAUG -,D A.@C ,, --A A> > +

3 ? W0* KF 0-1E47E=

;K=K $ 0 $ SSS) ,, B@ D D + .A +B@ C >, C AD D C@ +B@? A B UG2 ,@CU ,U@ B AD ;K<; % # & - (- $ &! <0 + +B J- A+ +B@ C+A. E@. A +- .C- @CG B UG AD @ U

6(0(D*-0 I-<3+ 70D(E= K=6(J K70M74* K SKM- , ($ ($ (O<N C +B@C 7 UG E> Y A@ C D A. - @C +B- @ C- D A C+ ;K) L % 8) &$ 0= $! 8@D L(;LK B@ >C @ E C +B@C B UG -C!> U AD A.

11(*-0 (4=- =-

(?(L-0=7 2=L7=*7 D0-<* =-DE0* -= -*D F =-DE0- 4 (34- *7 1 4703- L=-* E 0-4 (34-

?&0 < 0 * $ " -(S2 #>C D C@ +-C) B + B-+ +- E@ -IAD J :-BA -A , &$ "U C +B@C B ,) BC@@ - B -JJ A@ B D EC-U@A2 ->C ?-C@ @C@ A A-+-C -> ,G A -, @A+ + @ $ /J 9 . 6 L - 2 % 8SDKX(OOP -CD E@CD@@A A# 8 A. +- ,-- U>J-A , D + -A@ B > @ -C % E A@+ A UG2 S) 3 1 % * > $ S LNO 7 +B ' +-C A. ? -A@G -A @CG B UG @ >C +G ;KK= $ 2 - ; 4 4 ;N O B@ ? A> +>C@C2 B- @ C@D + WN B UG ;<<K ?!$,. 2 ($ 0 :>,G ;LN O " @ + A & C, ?@A+ B UG

3 =-**4-< (44-K (D-70 3-4-?

;K) & !S S 62 7@,,2 ?> +E@ - JC@ @A+,G +- @@ +B- +BC@@ B UG +@C A 5 B A@ $ />) 7 A : % " C@ 2 ,& @ 8;K<L(: :ONO B@ B UG C@ . ?@A+2 +B@ LQ+B2 B D +C @D +- ? J@C +B +B@ !@ U ;KK= & - * (0 : A ;=4 -CU 2 , >, +@D +-C@AD@C B@C JC -A B- C@ B UG A +B@ C E@, @ A C@ , . -A2 ?-C@ B UG + ,

7 7* D71L4-*-4+ =7E < 6-(4*6

;K=- (OM 5@E 0 8SKK-(: ;NN : ? C +B@C B UG *> + A- 2 E>+ B ,, J>6 >J ;KPM " / S- " C& =C$ & ,. OM B , 0. C@ B UG2 B@ ^+B@C @B-C @a +C?A@D T +BC->.B +B@ ? >XX,@ ? " -C,-CA B-J@

< ?J 7W4-<K- 70 L-0=7 = W*6 0-?-0- D- *7 *6 =F D-0*(<7E3*?E44+ (<-TE(*- 7* *7 3- <-L- <-<7

SKM- & ' I S (0(! +[,@ D + +B@6A @C +G2 - -A@A- +, U@,G +- J B @$? A + -A SKKS) " $ 0 4 4 <L= O A B UG E>+ A+@,, . E,@ !J A B B@ U@D +- @ B@C +B@C K!) 7 ! < ^ <& &! ;;2 "@ B UG A B J@,, A.2 , - @ B@,J B ? @ A

6(473 -F @@ M * 3@.4<-0? ? g C @% - *7 * /K g - - " 6

O/>> ' !$ ' A S ^S: = E2 1Z , A+ AD B ,U@2 +B@ B ,D@C AD +B@ J@E,@

6(4<-0 , L<<W/ 1 4=7 " 73(4<-0 =6-4<-0 =D3=<<-0 =6((4<-0 0 ?73=DE0-70 K ? (Q 7 J M = (0 ! 6- 7+=*-0 D(*D6-0 3 J ,+ +

KSK - 7 ? 0 - 0 ;;P - &&*) $!) (%-??-A #G +@C + B@C ((%B ,D@C2 !B@,DC U@2 KMN) !(= . ' 0 S MK B@ @C% ?- +B@ C .B+@D B@,D@C E

6(4<<0 , L<<< / 4=7 =6-4<-0 0 ?E J 7W 70K G 0E=670=-<K- K07W K < *D6-= =-L *6- +-447W 0=E 5 + % +

;KOP # 7 1 ($!0 (0MM $! U AD - EC- D +C> B .C- A. A D+B@ ;KQL 7 2& 9 .. , ? 7 " # & -, 0 <!& (LO, $! * (.4<-0 " 4=7 & =6-4<-0> 09 7K W (; ? (1(H R ! 7D0E134-

;PQQ ?0%N 0A = ;; 2 ^ S a M<E2 ,, > B C ?@ + -B , E@+ S+ B B +C A2D D B ,D@C \ - B-U@ J B ^+B@C@C a -C@ ;QNQ = 2) (8;QO;(! $ A A.C- %.-D +B@ C +EC@ U A. >J- +B@& ,->.B2 AD @,DC A. +B B@ 5C- + 1 0 ONN G->D .+B@? - +@A2 +B@ !>A2 ? A2 AD 5C- + ,, ?@,,- ?@?2 - +- > @ +B@ ? +- B@,D@C A+- / > +

6(4- -RD)(0 7E= =- =-=-) D D 701=F =D-(4E 7(4E =D6(4- # =D6(4 b =6(4* = =6(-44 ,! =6(4*/ # =6(4- 0

!" [

= +$E +C @? # @>+ T .$! (E, >+ C A+ - . -!&" C@JC@ @A+@D EG # . ! (I 3 -C +B@ @>+ - .A +@ a

; %! @L 1 2 $ 4 : J 1(! 1(

;NQP A 9@? E,@ & 0 *!0QS A>J !3 . ? @ @A@ @ , $;OOP ^ @@ 10 *K S) - 0 & 0 ;ON !@C> AX C +B EC D ,@ B +E C,@ ? A >JJ AD B

c ; B@,,2 B> U2 @ J +B@ B@,,-C ->+@C @C A. - A>+2 B B @A ,- @ +B@ U@CA@, , - +B@ J-D - J@ -C E@ A 22 @+ 1 (! & A *) $! (@S ?J,@ - B B 8 SO-P !QQ(C@ . @A >AD@C (B ..! B@C@ @@ +B@ @I> ,@A+ -C? A -A+ A@A+ , @>+ a

KOP * $! <!& 0 =MO <!) -) !$(, ;NPN &,0 A 7C 7 F, U@C LG X (>+,?@A>?2 @J@, @ ,>? G?ED GCA,> $ SS- -A J @C 0 <!& 0&&NA) D) $$) - (@ J@ E@ A ,>-)%4LK= B 0 $- ;OK;2 >.B B ? C@A AD ?@,,@ 6AD@C , BA-+@ B ,@ %;=LN)7 $1)) OOQ A $1) (PM B@ B> U ,,@2 EC-UGA +B@ B ,@2 B@ A--+@ U@CA@,2 %,- GD A C J+>CG ,-J@A,G B@ +B B J-?-@ ;P) = & %) 0 7U M== 0 5C-? +B@+-A@^ C ?@A+a+ U@ +B@G +B@ @+@ ?@, +B A2 +B@ E,@ @D E-DG - %BC +2 A ,@ >@ +B@ J@-J,@ +B@ B ,@ ;P=N . 7 ,&!$) C.+ % *2 "@ C@,@>@D B B>A.@C +B J@ U-D B ,@2 -C +B@ B> U@ --+B@C .C GA@ ;) K= 0 8;PKP(J /@D *E2 B@C@ + ->AD B@ +@ ?-A. + C@ 2 2 U@ ?@,, +B A +B@ B ,@^;MML B @,,a2 ? CC- +B A +B@ E-A@ ;MP< <$ $ 0 E !&,. S e 40 "@ +B +E +B ? AD@ +- .@+ ->+ +B@ U@CA@, ?> +J>+ G +B@ B>WU - $ 0 &@@,2 - +2 B ,+* SMMK 9 . $! $ 0 e 9 ;Q4 %-D2 " > U2 &-D2 !B@,2 B ,@2 C 6I>-> 6 $/O0 ((" ;K / J@ E>+ E@B-,D G-+ D J--C@ AD + C6@D 0 AD2 AD G->C C@ B@ B ,> U G +B@ C !->,@ 2 @ A A. +B@? E>+ +B@ B ,@ AD B> U@ - ?@A MSQ +C 0 & - T - 0 = &-0S ;O(PO B@G +> @ +B@? J +B A ?@+) +B@ B> U@ 2 AD B ,@ - C @ >J@C >-> 2 AD 6J@C C C-> D@>-+,-A

E 1)! &1/$: 6 / @!)4 !@ A1:

4=NN) &"? .(QOL= ! - -AD@C,G +B@ GAD +E,@ @2 B + A,,@ B@C@ +@A+ ->@C+AC@ @ @D@ +- .C->AD@ E-+B@ +@A+ AD B @2 "@C@ C-J@ G,@D A-+ B @

B@ B@,, 61) 44 K 1 B@,, C ! !)

;PM4 .. B & 0 *& 0 XE O@ +@.. @ B ,@ +- J-AD@C ;PMQ = 1. Q! & << &@A A ,@ C@ , ,@ , - ? 3 +B -A@ AD +B@ ?@ B ,@ +D B@ C@ > @ - B@? B # $ 1($/>> < 7 1$,) 10 ;L<) N " -A J@ +B@ !B ,@ -C !+ ,U@ @C>@ -C +B@ B@ + A. - #>@A ,@ 8- B2 - ?@+ ,2 - ,G @ @2 @+ (1 3@S $!3 5 > V?$ 0 C0 0S SSS8 -, @? B@3!(5 @A@ E@A EC@D A J@ @@B >@B CD@ B ,@ AD (AUU@2 AD CG>@C B@ B >@B -+@ B ,@ ;=ON .& 0 !& (=MN;2 \ D ?@ , GA@ -U@ - B>CC@ ,@J-BV +@C A-A@ AD ? -AG B ,> B@ G @ ,,@ C-? B>CC@ B@ *)@ B-2 J@A ?G) +E@ G*@ @,,) \ ,,@ B>CC@ @U@A@ @ .-A@ SMXX %- $2 % !),. (B ,@ 2 -C - CW ,@@S C@? @A+ D ADC @2 \ ;MPP 7 5 1 ( )! > ? 0 & 4QN C-A J>C.@D A +B@ C@22 A > B -C + +B + B B @ C+BG2 D-+B +, +>CA+- ,AD@ AD DC- SKK- (& - $0 <!& 0 $! (,@ - B , U@ +E %-?E2 $! f B@,, B 1(S) 1. +C ! > (,& (= ;# +C 2 O>D (AD +B C B B@ # ?@ B - A@+ 1 \(@)% $!0 ;MNM ! <) ?.(! ' LQ !-?@ EC@ U@ +B@ !B ,@ - +B@ A@+ ;KPP < B & %(& +A $ (C !(&,0 LM $! (+B@ ?@ B - A@+ $!(T -- @ >E + A @ C-? ? A@ -C I> CCG ,-- @ -C@" = 0 $!((@@ , - I>-+ ^% I ,$!)(C- UG +C +>? D@A>D@ - , 2 B@A @ , "! +-AG 8.C-I) (a 8! " B 7 , ( ) 5 ;M B@ C-> -C+ - , ?@ +-A@2 D+B +B@ +B@ UA@ AD B ,@- B D @C@A+ -C+2 % (= & 8@D - & - 2 0 #; $!(B ,@ -C J-C+ -A - @ C+B2 C- U 1 2 B B !@J C+ +@ AD , C-? +B)? A E-DG SK -# 7 & - 2 0 <!& (M , .$! ,!! %( ) B ,@ - @ C+B 2 &5 @ C+B ,D@ A A @S +-A

0 . 1(5 , @ 1 , 6 # 1@3"

1% !A1 !A 6 # 0) .

B@C@ A- > @A+C@ -A -C +B) -??-A @ +B + + , ,$! 8] 1(H B B +-A-+6 @D A+B @A @ 8+B@ @I> ,@A+ E@ A. % & , +@ , G (.$E B- @ @C - >C -S +,>A , G@C - -C@ -C +-A@2 AD +B@) , 1) , (B , $! , ?A +@D , ?@ +-A@2 ,$! 1 (@SJ, A@D T 6 G@C J +-A@ A +C + @D C A.@ - ? ->A A a

A C. ,, @-> ?== 4- +--U2 +B@ , ? A @ - B B C@>> ,,G C . ,@ AD >A@ @A2 AD ? - +,G J C ,,@, +- +B@ E@DD A. - +@A - @C,G A. , - -C? + -A , - +B I> , G A. -CD 1)Q - &) $! (@+ ;Q=Q (E2 !+C-A. O@D !B ,@2 -C %B + 4Q<M : 8 ! - ((8@D # ;KO!, +@%, G !B ,@ SKSX : - 1 " =L + A- >A - ?Y ?-A +B -,,@C +- , AG , @ -> !+C +>?2 A @CG +B A , ?A EG+B@ A ?@ # !B ,@ ;KLL ..C ,0< & L= B@ -A) -A - , G A+-@ AD - AD A+- AD +-A@? ?2 A ? AG @ 2 E@ +C E>+@D +- C ?J,@ JC@ >C@ ;KK= - 8 @@U,G @D (;< !A L O C A. - B ,@2 J C+ , C.@ EE@D E) D - @, E C @+G -C J@ ?@A -+B C- U 4KLN 8 @@ B B $(Ea ;KLO < &!0 $ 8) O(L;P !B ,@ 2 .C+2 \ S) L% 0 ($! PO /@J- +-EC- A AA@, - , AD - B ,@ ;KQK ' @+ 2 && OL 4 ? A +@ B ,@ -A + ? A. C-? OM +- LN J@C @A+ # -?E> +E,@ ? ++@C ;K<N $ 2 , > (<& *44 O=P E @S+ A -CD@C E- @ +B@ AD +-A@ - >C +B@ E, U B ,@ 2 7 2+.+

SK P K-# ! $! (A ?@ . @A +- , >? #C@ ;K=Q

```
' .B8 ..!' ; 2"; '-C@' ;KQM' "'F ' '
+B@',C G' ,>?'C- U' -'+B ' I> C+@C
' 3 ' ( < & ' ( ' = 1L4-' (**0 3 '(= '
U' =* 1- *(4'
(=' , ; '(<|I
;K=' ' )78 ' A' ) &'>'<) ' $. '4; 7S+'ON<' '
< &)*(& ' $!' - &' 0 ' .C->J' -C?' +B@' >JJ@C'
J C+'- '+B@' , C@->'X-A@'-A'+B@'A-C+B' +)'-'+B@'%>?EC A'
?->A+ A ' ;KK=' - '8 @@U,G'@D ('; <'!@J+'L)O0@G-AD '
+>CA A.'>J' ', C.@Z -CA ?@A+ ,' B ,@'C A.Z A-+B A.' ->,D'E@'
D-A@' C$!!' $!!'<$0(OS'!@J+Z X O' B@' B ,@' ? A@C'
-'! -+, AD' K<=' - 0'<$(LN 3 G'P L' 3C'$-E@C+'0@,,'
' '+B@' C +'+-'? A> +>C@'- ,' C-?' B@',@'D +,, + -A' A'
! -+, AD' X<-X' : 1. 7'V -'S ' LPK' B@G'B@,D'+B@' B ,@'
JC AU,@D' .C ' -C' A'B- C
3' L-D(4'D713F =3(4- (L6*6('>7@' (L6*6(
( <7 4'73*( -< 3+' <--*1D*)-'<=*44(*7 ' 7?
3*E1 7E==6(4-U'?=4*(4- =6 )-0 '4(1 (*-<=6(4-U'
=6(4-' =*7 -' =4(*-U' =6(4- *(0' *(0' <-0)-<'
?071'3*E1 7E==6(4-
;KPP' A(" - !(' - ( &,( 'C-M' B@'@S +@A @' A' B
A JB+B ' - ' +B@' -?@C-' >?D A@' ;KPQ' = . ' ! - (
- 0(' 0' S'PKN'8B@ D A.(' !B ,@'- ,' KKM' C$!!' $!!'
<$ ( ;=' /@ ' = ;' B@' 3 D, AD' B ' E@.>A' +-'E>?' B ,@'
- ,' A' +B@' :. ?)' B>A.' A' +' >E>CE A' +C A' ;Q<='
' B 0' ' -1! L' ' $ $!0' ' '0(@+ '=M' !B ,@'
!B @C' SKK-' 0' & ' B0'<!& 0('T' $!3 &' ( ! &' (
, +@' ;KPQ' = . ' ! - 0' - 0( 0' S'PKN !B ,@' + C'
J' C+ > C,G'C B' A'E ' >E + A @
3(4- ;@:/U' M -RD' ' 4=7' '=76(4-
' =6(- ' ,!'=6(44-'"=6(44/' ??'
' 7'?0--'?071'*6-'=6<4'70 6 =JU' *7 0-[
17)-'*(J-' '*6-' =6-44 70 6E=J/' ?071' (' E*'
3-( ' ?0E*' -*D U' *7<-D70* D(*-' ,6-1L/' 9'
OL<K 3 '?$ 0' 'C0' 0'S A ', '8;=NP(KSO ?J+@'
B ,@'+B@' .C@GA@' +B +'+B@G'D-A@' +-.GD@C!' -C' +B@G' B-,D@'
A-+'.C- @' G@A' AD' @S@'.C@A@' -?' ',';=ON' 1 &,& ) - '
8;KMO(OP' U@' ? ,,@'A-+@ Z' B ,@' A-+' ^+->+a' U>CA@,@' '
J->'D- @'- ' ,? -AD'Z GC@' AD' @,@' ,';=L;N 2&' &&. "3'
1. 0 S,' ;L' U@' .C@+@'#G +CG Z' A' B ,@'B@? ' ,';PSK'V $!0'
* 0' ' Z 1@+' ? G'+B@G' G+' AD' B @,' J@ -A' 4!!!'
' < ' 1$, >' )10';07;' "@?J@' B C>@ + B@'
3 ,@Z ' ?' D@' J' A' E>AD@,' '+-'E@'UA- U+' AD' B ,@D'A-C.'
,&) >' ' $(' ,& ,$ $D)' ' *) $' $H A' 7 A+@C'@>@A'
GA.@ ' $%+>' 1 . ' $ 'M=L' & C B@D' E C,@G'
B B' B +B' E@A@' @,,' B ,@D' SMSL SM' 7' 8 '?' 0'
C$ 0'<<' '<Q' ',++,@' D' @+'-A' 'E A U@'+-' B ,@' ,@'
CJ@A D' >+'J,> U'D' A' ' --DG' ,@Z X\ ' $' ' 8 '
"&"0' 0' $'SS 'PP' B@G'B >@'B>DD Z ' '->C'O@ A@ Z B B'
B ,@D' -,5Z+B@'U@CA@,,') C+@+B' +' @, @' A' + - ' ;M<L' E ,
$ >' $1 !$ '+'S ',';=P' B@' 0@ A' 'A-+' @@A' +,, '+'
D 'E@' B ,@D
6 0' $'SMK-' ' < )8 '?! ' $ 'S'7U ';QNL' ' A'
M=' B ' E>AD A G'- ' @Z'+B +' ' A' -D'Z A + A+,G' B ,@'
--Z 7 -CU' '->+' ,,'+B + 5 ,+BZ' 5C ,+GZ 3 @CG
*3' ' 7'(44'7W 7?3- K'=6-44-<'
SM--' &)' '" $ - 'A' S'PK;' B@ ++@C?- +
J ,,A.'- ' -??-A' ,A>+Z B@+B@C' +' B ,@' ,, A.,G'-C' A-'
? G'E@'D + ,@D',A'+B@',?-A@+B'- '!@J+@'?E@C
' ? K0( ' =--<'-*D F 7'<07L' 7E*
^[PQK' ' ?J,@D' A' B 7' **0 g)H ;M=O' / ' 7
$$- $''MSM'!> @C +'+-' B ,@' AD' ,'+-'+B@',C->AD -C', U'
-'C@ JA.' ;QM=' ) ) -' ) 0' 'SS ' KN'%-,@ @@D' '
3@D'+B +' ,,' B@D'-C' B ,@' @CG'.C@ +,GZ ' +' 'A-+'C@ J@D'
A' JC-J@C'+ ?@,' ;K<P' ' E'<!& 0( $!0 5&'DC-J'->+
Q' 7'=6-< ,('*77*6/'
4MKM Q' B - 0'< ' ! - '8;KK;(' ;'7 B@A'%B ,DC@A'
B ,@D'+B@ C' @@+B' 1 0' OQ' 7B@A' B ,DC@A'D D' B ,,@' '
+--'+B'+B@G'C>EE@D' ,'+'>J-A' +Z AD'+B@A'+BC@ '+ A+-'+B@' C@,'
#' ' ?W(*-0F ?'?70 1(' ' D0E-*(*7 '
;K=' ' ' ' B ! $0'C & 0' $'$ ' $' ' ;MN'
A' -?@'DC A' +@C' ,' B ,@'-C' -C?' A' A C> + + -A'>J-A'
+B@', '+ ,@
7' D4-()-'(='=*7 -=' ' 3- K0(=-<
$>$A'#' = ' $ 0' 0' & $- * 0 [0<' $ ??@,Z '
!+-A@'>A + -C0> ,D A.Z E@ > @' A'+B@'C B,' + ,@ @' -C'
B ,@ ' A+-' ? AG' ? ,,'>A@ @A' & @ @ ' OKP;' 7'
& $- *,('<!& 0 <L
*' ' + [ 1*7' =*0 L' ,('*0--@>' '
SMSK 7'Z 8 ' 2' ' 0 '<$ ''S ')MOL('=P' B@'
0>6 A B' ' 'D@>->C@C' 'G->C'5C +' A'+B@'E>DZ 'B >@'B D'
B-,@'+C@@,' B ,D'->+' +B'+B@?' A' 7 A+@C + Z
6(4-' ' 0(LL' -D67 D F =--' TE7*
:& #G ' ?W(*-0F 7' 1(J-' *6-' =7E <
D6(0(D*-0 =*D'7?* <(4'17)-1- *' -(0*6-'=670-
SK) '3 ' ) ' 'S '8;K=0(O<<' B@' +@C' A'
+B@'E G . A'C> B@D' A' +A' ',->D' $!' ' & (] ;' -A'
+B@' -CD' -C'+B@' ->AD] A' 1& 'A@ C,G'+@A' @@+'B .B' ;K<N
' B $' $' $' $Z' ' .@A+,@' $!' '
A- @'- ' +@C 'EC-U@A'EG'+B@'J .@' -' '+B@' @ @,' SK)'
]' $ ' ' "'PQ' B@' +C@ ?' - '+B@' -+,G' B ,@D' ,-A.'+B@'
E@AD '- '+B@' B--A@C
4 (4- ' C A+'-' '
*' 6(4-< YYY' ' 0?' ( ' ( <08 G
; ( D(=-<(=' '('=6-44
'$'4=NN & ' 0'QMM' " '^*' 'DC .-A a' ->,D@C'
C@' B ,GD@' ,,A'D@A@' G,>@C@Z ! BC@@D@'->@C' ,,@'+B@'
BCG?J@' +B' BC AU AD@' J-GA+@X'
! 7 == * K'7? '=6-44
$/%>' = 1. '< 0' & 'QQ' &"A@' @D'+B ' + A@' -CD@'
$' ('%& ' ',.A@C ,,'-C'%-??-A'A ?@' -C' ,6> B 'B >@Z
\' @ C@' B ,@D' C?@A+
7' () K'('$=6(4-2' =6-44'70' L7<'
,'O/>' B '+A' " U,>)' 8;P)(' :'L<Q' " @,,'A>+Z
' .--D' AD'+B A' B ,@D' ' C@'->C'5 ,EDD)' ;MOO' & - 3
') T'6$')$' ' ( ! ' 0'<' B@'C>+'#'+B@'@ C+B'EC A.'
.C A '+B- @' B B' C@' @ C@D' A'@ C 2 +B- @' B B' C@'
B ,'D' A' B ,@' ! )$ ' ' ' ! ) 'H0
; % / (LL >' (' ' HM
4=NN'VPN &. 0' 0' 0'X--' '-B-,@A' ' B +GD'B@D
'%--4-<'70' =*0 L*' '=6-44'=6-44-<>
$/!'-. )!' '&,,&!$& ' C U+' A>+Z B ,@D' A>+\' SMMS'
3 .' 0' ' -(' - 0'SX-' @ +@D' AD' B ,@D' C,G2
```

```
!B ,@?A @Z'-E ' -C?'-' 8 '
+!B ,@C' 10' K' ^' . '@Vi" ' a'
#A@' B-'T' B ,@'"-C' B@,,
9 '%- $Z ,$!! ) ( 'J ,,@CZ B ,@C- '$%& ' ' L '
<<' ' ,. !! ( '&@@,@CZ '9 AD@CZ -C' '!B ,@C
i'!, ,@AC' 10' ' ^ '5 '% +'B@ + a'
f' ' ' 10' ;L
[PN<' 9 ' . *'&%' &&!' S'8;P;Q('% *E2' !-?@ B +B'
C@ ->C' A+-' G @',GU@' ' A'-,D@'D-..@'B +B' +@C' EG+ B@'
+B +' ' A' B ,@>C'
'!B ,)JC ?'8: D.C ?(' ,-' ,.C ? ' 0 <'
'C@JC'!UC' ' +B@'A ?@- ' ' ,, .@'
B@C@' ) ' +-A@' ' ->AD a' A' ??-A +@' -C'
-+B@C' - ,Z C@D'+-' BA>
4QK=' 5'< . )8 '+C' " ' ' .1 " ' 'O< ! ,.C ?Z ' '
E, U' +-A@' B B'+B@'B AD--'B-,D' C@D' A0+/'= 1 .'
V ' ' ' 0' $, &' $!'S' ;LL' B@' !B ,.C ?Z C-?' +B@'
@-,- ,'J-A+'- ' @ Z ' A' ??-A+@' - ; 1 0( B@'
B ,.C ?Z B@' @SJ, A@DZ ' -A@' -'+B@' +BC@@' +B A.'
@ @A+ ,'+-'D ,G' -C B J' A' A'-C+B-D-S' " AD>'E-> @
!,+ ,,!G' 10' 10' ' 1 0 ^' ' '@
: a' B@' + -A' -'C@?- A.'+B@' ->+@C' B@,,'
#C'B> U' ,-'J_'+B@' B@,,'-C'B> U'C@?- @D
M+S'%- $Z $!&** (+B@'B> U@ Z J C A. Z -C' B , A. Z
- ' ' A>+Z -C' A>+ U@?@6' ' 1 0( ,$!! - ' ( J ,, A. Z
B ,A.'- ' 1 0' ' '1$!( '%$H' '% 1) (+B@'@E @Z
B>,, Z -C' B ,A. '- 'E@ A@ ' 5P [ $%& 0' ;QN' B@ @'
+@ '> @D ' B @ ,G' -C'$G@Z' 0 C,@GZ AD' 3 >,+Z -C' -C' B ,A.'
- '# +@
+'!B ,A. ,)'**)'$0' ' $ TH' ^' . '
CQ4' ! (44' K'?071'*6-' 6E=J(=0 L-
;PQK' C &, >'<& 0'<$!! "'<$N!$' ' ' 0' '+'E' B@'H
B ,A.'A>+' AD' ? +Z +B + ,,@+B' C-?'+B@'+C@@' !B->,D'
@C>@' -C' ?G'C@J +Z
6(4J' ' 701=F : ' =D-(4D' '
=7(4J' =D(4-' '=7-=4J' # ' =J(4J-' =76(4J-' # '
=76(4J' '=6(4J,-' 0 71' ' -E*F ' % %
?*((=D' ^' 0= ' , ; V' % ' % '
=-0)( * ' % ' =-0)( *' 17< V' %
07KE-' W(K/' >' , ' , D 4' ; ' 07KE-'
W' (' ; V7*6' ; ; '=-0)( *F] -E*'
! ; ; H' 7' D7K (*-=' 7E*=<-' - *' 6()-' 3--'
?7E <U' *6-' W70< ?701=' *6-' =-D7 < -4-1- *'
! ; ; H' 670=- =-0)( * K! = . 0'
0K (44+' '=-0)( *U' '(44'*-0(*)-' L7-*0+'7 -'7?
*6-' D7117 ' =+ 7 +1=' ?70'S1(4*>' ' *6-' 4(=*
-R(1L4-' E=-<'D7 *-1L*E7E=4+/
? &2) ! %'<L<' >' @ ,'^O@- >,a' B " 'DZD')@C@?@D@Z
@@ ,@?CA@?@ B+-A AG++C>?E@ GC A' ,&&& 0C 0
8 B(SSS 'O" @,' V A@ ,' $!)-' ' ) - ' ) - H(
,'OONP' '=0;<' "@-' @AD@A'E,' @,D@A' B + B +'B@-C@'
,U@' @-C@A' 1 0' ;<;OM J@C @'?-A'E ,D' ,@' OL
0' 0' ' 0'C('%' '=QM &@' BGC@' >AA@'B D@'B@?' B@A+Z @C'
@>@C' J@' B ,U' G +' OS=NN PN $ ' ! 5(4L<;' C B C
B ,U' ' )1' 0' ,U@Xa' -A'J@' ,,!'O=)' & .
SSS' 'O' B JJ@,G' B ,U@' AD' @ @A@' -C +-' B @Z
B C.@'LN6' '+->C' B + A'J +'^@+ aZ ' <&!$ & '=' <$2(
K<;' !@S+G' B ,U ' >,' B@A@)'%,@D' A' C?->C' D@A@'
OPNK' B ' '$' $ '' ;NP' F>B@A' B GA'
+B +' D' B ,U' +B' ' B CJ'C ->C' ' "@' B- ' -A'?@'B '
B@ , ' ?->+B
6(4J-' '73=' ?701'7?
' 0?' '
K' 'E**-0( D-'7?'1-'W70< !=6D<4Z U' ('D711( <'
L071 =-' 70'<-*-01 (*7 ' ,'=ED6'(=' = -RL0-==-<'3+'
1-( = 7?'!=6(44
+' 'D->E+ >,' B@+B@C' I>-+ 'OPPL' AD' ;MNK'E@,-A.'+-'+B '
-CD' -C'+-' ' ' 1!' F>-+ ' ;PMM' AD' ;P<L' ?J,G' +B@'
@S +@A @' - ' 'J>AA A.' JBC @' &'% ' -C' '2 ' $!!'
= $! +0
N ' )1! ,$'8OC? D,(' ;;:' ,<N ( )!0 @' B ,,' JC- @'
8+' ,@A.+B' EG'+E@ @@+@' G ' B ,,' +@A >@' C &*0' AD' @'
B ,,' ' @' E@@' !@C @D' E>+' +B' B ,@!Z +B A' B ,' E@,@ @'
@@A' + ,' G)' C@' #-CD@' E@@+B' E>+' + ,@ ' ;P)'
0 A' " CA.+-A' ) ' ' 0 8;KM=(' ' ;N;' ' A-'
A-+B@C' A' B ,' ,@ I-G@'+B@' ,@@+'U ?@6' -'B 'B CD' AD'
B$CD.@ E,@'A>++Z B B' 'B @'E@A@' IN ,-A.' A' C U A.'
AD' A-+B A.',@ +'>A+-' ?@' E>+' B@,,' AD' B ,' '+-'@@D'?@'
+B' ,' [P<L' B ' $!! ' )PL'1'0Z 1->' B ,,
B >@' ,'>+ Z +B@G' G' B@A' J,-?' ' C@' DJ@' B>' ' +B'
WE ,,' @C' A ,,@ 'G@' B ,'E@' @DZ AD' J@ -C' ,,-,DZ AD'
A+ E-+B' -,D' AD' ,- D' ;MNQ' & 0 ' ' <N
3 CU@'G->' " ' E -,>+@'!B ,,' "' ! - & 3
&'' +' ,' 0' 7B + 'B +'+B->' @D' ?@' ,'+B ' B ,@' +B'
B ,,@ ' AD' - ?' +'-'+@,,'?@' A-'Z+BJ>' ,U' +' A-+'
;)Q' < .1 ' $-P'&!0 Z S ';NL' B@ @'2 !!' AD' $!!'-'
U@D'3@AZ C@' -C'+B@' ?- + J C+' -D'' A+@CJC@+ + -A'-'
+B@ C' +' AD' % CC .@' S&I '= ' ' .)' 0'C$)!' '
C & $' -'84KQP(KP' B@'@S+@CA ,' $!!' AD' $!!'& '
- '+B@',
6-' W70< B ,&' ' D -? + ,,G' > @D' A'
-A+C D + A + -A'+-' ' ,,'
;KLQ = B. S' '?$,&''8;K=L(' '=NK -+'-A@' -AY
D-A@C A' '? ,,-A'@ @C'? J, @ 'B '2 !!' AD' $!!0' KMS'
:- ' 7B' $' ! .0' ' !(' &' )'O;<' B@ @'T!B ,' ' C@'
-?@+?@' C-A.,G'@?JB X@D' KK' Z' . 'C' (
0 A' $' (C . !&!0' &,0'OL' B@ @' $!!' AD'2 !!' C@'
+,' BEE-,@+B ' ;K<O' $ !"' ' OM :>A@' P O' &@CB J'
A-'! -+'@ @C'G@+'? +@C@D'B ' ' B ,' AD'T' ' '
6( :@ ,IE-4' + ' (4' >4/' ( '+'=67E4<'
IE<' 7</' 701=F =--'3-47W' 0 71' ' -E*'
L0-*-0*- L0-=- *' ='07 K)-03F ' % %+
% ' C 0=' ' ; ' % ' + ' +
% ' 'I %+ ' *D/' ' ' ; ' ; '++ '
7W' 0( J =6' ' ++ , E' '
+ (D! 2?-D / 'H 'H+ 'H + ' V' '
%++' % ' (4=7 ' + ' VC
```

```
, $!' AD' , &!(' )! '(' , &! ( , -' $!' AD' &!('
)! '(' &! H' ?-D ' & !(' &!! '(' &!! +( (' .$!('
.)!)(' ." ! $'8! ' .$!!(J '+' .)!! H' / ' .$!(J +'
.)! +( -+BZ .$!(' .)!) - ( .)! B@' @A+Z
C--+' =T . !3('T .$!3'M T .) '+-' - @' 8 ]JC@ @>+'
T . !3'M T .&!3'M T . +' 'C@JC@ @A+@D'EG' -+BZ .)!$(
# " Z # !' ,&!&(# ' ,&!$' U' ? Z D@E+-CZ
# " ' ,)! ( ,)! $'8?-D Z , )! +(#!' ,)! (
# ' ,"!' @CA Z D@E+Z .> ,+' #>+ D@' @>+' +B@'
-A,G' @C+ A' -.A +@' C@' +B' . !1 '+-'E@' .> ,+GZ
. !! '+-'.@+' A+-'D@E+Z .&! 'D@E+Z .> ,+Z #&C> A'
.$!! '$''8 ('D>+GZ . !! ' ' .> ,+GZ*&3 .)! '+-'
D?-A B
B@'A-C+B@CA' A., B'D ,@+'8A ,>D A.' ! ('B @' '-C?'
$!(J '+' )! ( +B' A + ,'R A +@ D' - 0 B 'D-@'A-+'
- >C' A'+B@'C@? A' - ' -C+B>?EC AZ E>+' +' JJ@ C'
A'+B@' ;L+B' ' +' 'C@? CU E,@'+B +' ' ? , C' -C?Z)' +B'
CC@.>, C,G'C@JC@ @A+A.' # @>+' .( @S +@D' ' 'D ,@+,
C A+ A'# " ' = $!( &!( )!)'+ AD' #5C '8)O2 !+( AD'
B '-> +@D' +B@'C@.>, C' -C?' A' @C' = & !( &!! '+ A@' />'
=0$!('0& +0 ! -?@' B-, C'C@. CD'+B@' -C?' 'C@JC@ @A+ A.'
A' # @>+' C A+Z -C . A + A.' C-?'+B@@>JB-A 'DC-JJA.'
-' ' A' A ,@S -A ,' -C?' ,U@'+B@' >E+>A + @'T .!!30' +'
@@?'?-C@' JC-E E,@' +B + +' ? AD@J@AD@A+,G'D@ @,-J@D'
A'+B@'D @C@A+'D ,@ + +' A' @ C,G'J@C -DZ B ,@'+B@' .3'
C@+ A@D' + '-C . A ,' JC-A>A + -A' A' +C@ ,@ ' J- + -A'
+B@,' ? .B+'A +>C ,,G'E@'DC-JJ@DZ AD'+B@' ?J, @D' A+ ,
+@C CD 'S+@AD@D'EG' A ,-.G'+-'+B@' +C@ @D'>@
A' A.'+B@' E'B 'A-' A'-C J-,@ Z 8+B@'@ D@A @'-' A'
# ' A ' ,)!$'( ' ,&!$'( ' 'D->E+>,(' ! -?@' -'+B@' -+B@C'
@>+' A. 'B @' A A' + @'#" ' ,&!$'('&!$'83" ' Z
?-D ' &!! '+(3/>')!! '08/>'0)!! '+(# ' .)!)'8J '+'
!B A +@ -+BZ B ' +B@' JC@ ' JJ,@' )!$' 3' AD'+B@'
J 'JJ,@' .)! 3 (# " 'B '+B@'JC@ 'JJ,@' &!$' 8?-D
&!! ' +( AD'@ C,G'?-D '+B@'J 'JJ,@' &!! 'H # 'B ' '
JJ,' D*' ." 3 H+8H5$ 'EG'D>+G a
' A ,@S -A ,'5-C?
&C@ @A+'+@A @
; ' '$' ' '* 0' ' 0' ' ' @ ,,2' @,,2'
-G,2' nL' -8@( ,2' @@,2' ?,2') ,,2' &' 0' ,2'
L =' ,2' L N' -B ,2'P Q' B ,2'=' B@,2' @,2'= P'
B ,,@2' S ,2' = M' ,,2'P' B ,,@2' B ,8,2'
-B >,2' -B ,,2' -B@,8@2' -B ,,2' P M' S ,,@2' P Q'
B ,@2' L ' B ,,
? &2)6=LK 8 C( ' ?D ,C J@' @ ,' -A' !' @-AD@'
$ '=' A0' ( 5 '==P' " @+' ? A'@,@'*@C@ Z'
* E A' @ ' )KKK'%+&$ /' ?& .' 55 550' e' P " 'B +' '
@-CD A' @ ,+' @C @C B +')@ @-CW@' ,2 *' ' %0'<& *0
3 ++ 4 'K-$ 00 -J @,' >A-@.@' ++-A@'JC@- +' $'S--'
' $' ;=KL' 8 C(J +' @,,' ) , @ C'?)A ,AD A' -A'
@C!@' ,'S--' 0'<& *0 >U@' 4S 'LQ G+' G,'E@-A' .@'
G,,@D' B @+'E@'?@' C +@A' ' & '0 O;< 5-C
A' B 'E@-!' JJ ' @ @!@' ?@' @@,' ..@Z A' -C@' +- @'
%;ONN' # 2 'OQMK=' ,,'J ++' -, J ++' @C@' '\' ,' V +'
[@+' B ,,' >CCm @AA' ,5#5L\' '/&J/' !- ' ,'E@-A' J@'
E@+@C@' 1 0 LO;=<' -' @,'B +'@-6'C@-> @'A >@C@' ,'[OPN
2!=' (,J' B' -+'B - B ,'^@ A ,a'E@-A' AB-A*)@'
AAO>' '< . B '8$-,, ('; LK' "@C' C@C ?@' '+B@C@' ,'*)'
$'[LNN V0' & ''; LSO' B 'J@+-'B@ @= 0 0 B' B ,,' ;L=N
" '10'O= $ ' +(' "->' ?@' @,'UA @' .>-D' AD'U>@ D'
OL ' '?' ) ' F (;PP' 3@' @,' !%E@,'D-EE@'J@+-'UB)+'
,'OLQP $"' &!.' $ '?.083!'0('LPQ O@'?G'B@,J@' B,''
B ,,G>@' X@#'!B ,,'^ @@'O'Q a' OLK<'?' 8;KQN(P=
"@'S ,'J G@'G@'C*'+@ '-'G@'B- ' +'B '@A+C@Z *' A&A%
B) 'C& - 'S-Z' B ' G'LN6'+B@ -+BZ+B +' @,' B>,
L@' G ' 'O=PN' $' . ' 'PKM A' $, &'C!$" 'OO :'S ,'--'
C-AD@' ?' BG' '@C@' A&%J = 7' ?' C0' 0'
;=LZ .'+C- @' +' @, ,' J@G@C' $/A/' 1 'A' ,, ' 0'
0'!@C' ' 'OM;' ' GAA C A@ GC ' B ,, D@ @C' @' > B'
' A.>,@C .--DB) @' ;PLP' 3 ) ' -& 50' 8(' B ,'
C@J GC@'+' OL)' A' 0' )** 0' &'$ '8% ?D@A('
;OMZ '+BGAU@' ,-A.@'+'UA-' 'S ,,'B-,D'?@' +MM-'
' ;O 0' ' O=' e' ;\' 7B-'D-+B'-C' B ,,'+ J' ->+' > B'
O@@C@' OMML' 0' 0'C$*' ' !0' ' !@C' '8;<;;('M='
B '!B ,'E@'G#>C CC A+
+' L' @,2' Z ,2' L =' ,@2' = P' ,,@2' 8P' ,,2' M'
@,,(2' L ' ,2' = '
5C-?' ;=+B' -A CD '-A,G'& 0 A'+B@'@ C,G' -A+B@CA'
AD'?D, AD' @S ?J,@'8 G ?-A Z @+ ('+B@' A + ,'C@JC@'
@A+'8:(
'AA+/' 'K<N=' J'?-A'B@' ,'E >?@A' ,'OOON ? $ "'
OP ! ,'B@'A@>C@',>U@A' ,D@'-'B @'@)@A'',OOQP ?'QN;'
J@'E@+'LN6 @,' -CJ@' XOLNN !T XC O ?SSS' ' 0 0C0= N9#+'
=' J@' @CJ@' J@' +C'J A' ,' JC@D@' $'OLOP 0' $2!0?'
#8' 'OKE2' @'- +@' 'J@'+C@ @J '?>,+J6@X -' ,'J@'
+-C?@A+' @S@A'-'J@'J@ A@
OSLNN ) & ' 0' .Z ' ;G- B@ OC@ ,'-' J@C@'
+@ + ?@A+' ;LLK'$' B '. &'08;QOP('P /@D@'B ?'+-U@'
,'+ ,@') \' 'O=NN PN $ ' ! 50' L;N='F> + '
'8C@)@' %;=M4' A' "$ &2'#' $ -&) '8!>C+@@ ('O=M
"@ ,'UA @'BG?@'EG'G C'+ UGA ' O=QL' ,,0 '
$ 0' ,& 0 :'O=5-C$!!@>B ,U'B@' A >@C'+-'+B@' -?J+'
$/+' B ' $'-$ '2 ' ' LQO' A@' -+B C' +B@'
-C B J'B ' OM=M $-!&''C$* '8% ?D@A(' ;;O2' '
C@JC@ @A+'+B@' A@@ @ + @' - + +'+B@' E@ +' G' A' OQK='
' ' !! 0 '! Z '+B-> + U'+B@' ->A @,'
' .@'+B@@' OKKQ' 0' .0'<!& 0'K< 6A@?JB + '5-C?'
'!8 2'( .Z
Q' L' -,2' B-,2'L =' -B>,8,2'=' >,2'P' B-6Z' E>,2'
M' B-,Z'<' $!(' B-,,2' B>6Z'@+
,'OOPN 2 != ' 0' ;NOP'8%-++('7' +' -' B' J C'?D'
?'A@ -A.@' ' ;LLN V ' '8 ' $ 'LO2' B>,'B C@' AA@A'A'
J,@GA'E + G,@' O=PP' $!0' ' 0' ,0' )1! ''8;KK<(OKQ' -'
? A@C' - ' ? A' A@' - ? A' B-,,' D'A-' - ?@' ;P)' :'
' ' A' ' 0' ,!@C' ' : LLL' +' E- -??GA.'
;' B-,' CG+@' ?-C@' +' C.@
O' #' '* 0' $0' ;3#' -@ ,+Z O L' -,+Z L' !NKO,+Z
O -@,+Z @@,+Z -B ,+Z B ,,+Z B ,DZ DZ ,DZ
L ' P' B ,+Z 8 , -'<' $!0+' ! ,+Z'=' -B@,+Z @,+Z
B@,+Z BA ,+Z P' -B ,DZ ,+Z P MZ' $!0 K <' B +Z
= '!B ,+
KKK' ?& 0'S ' A':VA.' >' @ ,+'A@D@' :C > A
```

+ A');)PN ' (<& *0 3 CU'S'_"/+ P $H`'B EE '
!@ +C -A' A' B@- A@');;L)P $-1 & '(L< (V> ,+ E
@J@A' :b A@ >AA@' ,'S -- ' /@D' LK @U@AA' ? C@
A-B' J> B ,+ @C-AA@ AD@AA' ,'OA+/ ';-NO J> @,
B EE@+C >CB J@ ?> B@,@' $'> W' V$ OM;L' J>
B ,+ +B@A' E -C@A' ?@ +-' DC B+SA' A' B@->@A@' ,'S -
"-'L;' A' ' & !!(& ' JJ' PM J>'),+'>' A'+-
B@->@A@',@D@' ,' -' (' ,' ;PM OO' J@AA@ E>' E ,D
@,'D-' $';LNN) & ' OM=NM J C-' ,+)-> W ?,-U'
OLNL'$' B ' $' ' '"'\'L<;LQ&->' B ,'B >@ B C.@
-'E-' E-E@' OL=N " '1 ;NN J ' X>@+@ -CD' D@C E@
[illegible]

6' # =(44-' ' =(4 j' =76(4' # ' =6(4' '
=76(44,7' =6 (4,4/-' ! & ' =6(44' ' , 7W
=(4,4' , ?' 7*-' 7' ' Y /

[illegible]

' R ?DE47 ' =7<747 ' =7 747 @ ' *
=D 47 '=D-) 47 '=774(' =D+4 1 ';=7-74-' ;@
=DE4- '=E4,4/- ' '=7E44- ' =D-7 - '=6E4- 1
=D674- '=7 - @ =E4 '=E44- ' @ '=D6E44-
=D6E4- '#'==744- '==6* - '=74 744- '=6E447
==E4 '=E44- '=74- ' # '=; E4,4/- '=76E4+E'
'=6E44(' + ' 7 '=D6E4E

[illegible]

M' % % ' # <76DE4R-' =6E4 ' # ' =D6E
=-3 '=76+ ' (73+ , /<' =6+ ' =737 -
'=6('=E '-*D>

[illegible]

!' ' Y + ' =-!17' ; '=-E4-' ; # =DE44-'
'=6E4,4/-' =7 -' =76E4-' =E4,4/-' ==E 4-' =E4'
@# ==74 -' CD374-' # =737 44-' ==744-' =-374'
==73E -'=77 -' 73E4' =74' # '=73744-' =6E -'
=D3E4,-' 3E -'=334' '=3 # -' =674-' <3E '
=D3 4,4' RE4

[illegible]

' '=DE4,4/-. ' =E44-:X' ==74-G9' =,=/7 -L' @#
=-3 ,4/-L' # =3E44-L' =-37 -L

[illegible]

' ;=D(4-' # =(4,-' S39' =(4' # ==7 ' =(4 j'
=6(4,4-' # '=-6(4,4' ['=6(44 j' =6(4' I (4,4' ,-*D'
(=' '/' # '=6(44

[illegible]

+@C' C@D@' %O=NN' #9'C&!C& - '7 #`' ,' +B +' +G>@B
!B ,'DG@' ,'O=PN' $'. ' RR' A' $, &'C!$" ';='7@'S
[illegible]

#' + .+ % "' ' =7E4-' =D-74-' =7 -4-' =7 4D'
=D+4-' ,YY' ' =7+4- ' E ' =7-E4- /' ' =DE -'
=3E4,4/-' =E4-' =D4 E44-' =D3 44-' ' =76E4-

[illegible]

-<ED-<' - D4 * <' 7701=' ,(44' L-0=7 =' (<' E1[
3-0=/' ' Q =6' =' !' Dj' ' =-' ! ' =.'
* ' ! "'>=' & "' 2=-

[illegible]

'(' H *6' L07 7E(=' (?? R-<F c' ' ' ,
=6(4D6-' H , ' '=7-(4*E' '=,D/G (4*('=(4*E
6(4*7E' ' =4 (4*7W' # =76(4,=/*7W'=(4*7E'
7W,-' =76(4*7E' =D6-4*7E' =0*?, ' Q =6(44('
' ! =6(44-=' =4 (4=' = (4=' E
(' ' =74 -' ^' '

[illegible]

3' H *6' ' I ' (?? R-<F ! "' , 7W ' =6 (E'
7*' 6(E2 7*' =6(2E 7*U' %'(<' '& =6(2* (
& "' =6(E (' ,=6 (' -*D /U ! =6(2*' =6(2E*
! ' =6(2E2*' =6(2*' ,"' ' =(*' -*D /

[illegible]

H0 **- ' D7 * E7E=4+ W *6' (' ? ' ,-=L'

[illegible]

' %(=*'*- =-
!' ' ; O' --,D@2' ; L' --,D@2' >,D@2' 8
-8@(,D@2' L' o B-,,D@2' B-,+@2' -,D@2' &'0
>,D@(' Ln=' -,D@2' L P' -B>,D@2' B-,D@2'
B>,D o 2'8=' B>,D@2' B>,,D@2'-B-,D(2'= M' B-,D@2

B-,D2' B>,D2' = Q' B-,D2' P)' B->,D o 2' S>,D8@2'
8P' B>6 D2' B--,D o 2' X ,D2' ->,D2' B>D8@2' M'
B ,,D2' Q' B--'D2' B-'D2' B>'D2' K' B->'D(' 93'
B->,D

[illegible]

6' =74,4/<-' = <-' =774<-U' (<' # "'
= <-' =7 4<-' # @& =7E4<' ,# =(<j ' =EE4<' =74<'
#'&' = <' ' =(<' ' =7W4<' & =7 </' ' =(<

[illegible]

&' (' ' ' =7-74<-=' # =E4<-='
=6E4<-=' I E4<<-=U' ' =7-74<j =*/ ; ' =774<-='
=DE4<-=*' ' =74 E4<-=*' ' =6E4<-=*' , ' ==67t
<7=*' # ==74<-=*' =7674<-=*' ' =4 74<-=*@ ' =7Et
<j &*/' =@7E4<-=*' =67E4<=*>

[illegible]

@' % % ' ' =,X/7=*' # =,D/67=*' =76E=*' #
=4 E=*

[illegible]

!' # ' =6E4<,-' # ' =E4<, j ' ' =67E4<'

[illegible]

"' (' H *6' L07 7E =' (?? R-<F R' , ' '
=76E4< 76' (' , ' # =6E4<-=*7E' '
=76E4<-=*7W

[illegible]

3' H *6' ' , D' (<' < (4' %' (? R-<

[illegible]

K ? D(* 7 ' (<' * =-=

9' ' :' ' (' 7' 7W-' , 17 -+/$

[illegible]

>$3' 7' 7W-' , (-K (D-/'

[illegible]

A ' 7447W-< 3+' (' ? *) -' , W *67 *' 8/'

[illegible]

K- -0(4' =*(*-1- *=' 7?' W6(*' =' 0 K6*' 70' 4-D71 K' ^' 7EK6*@ ' , EL-0=-<-<' 3+' *6-' 8(' =E3|||E D*) -' + F =--' =- =-' : /

[illegible]

(< 7DD(=' E=-<' *7' -RL0-=' -D-== *+' 7?' +(7E=' J <=' , ?70' *6-' 1(+' =6(<-=' 7?' 4-(K' ' =--' 7=W70*6 744-0/' F ^' , 1 E=*?' 1E=*' --<=2' S 6() -' *7?' S (1' D71 L-44-<' *7' 2' -*D'

[illegible]

3' !+ + A.' (' A@ @ CG' -AD + @?' 8 CN'

[illegible]

J' D71 1(<=' 70' =*0ED* 7 =' (*6-' -D7 < L-0=7 ' -TE) (4- *' *7 (' 1L-0(*) - @

[illegible]

,@/ ' -RL7= * 7 =' V +' '+ ' -*D' ,*6(*/'

[illegible]

*' ,D/ ' *6-' ?70 1E4(V ' ' 8/%+ ' , ' 7W +

[illegible]

3' *6-' *6 0< L-0=7 C

[illegible]

*6-' =-D7 < (<' *6 0< L-0=7 =' -RL0-== K' *6-' =L-(J-0=' <-*-01 (* 7' *7' 30 K (37E*' ,70' W' *6' -K(*) -' *7' L0-) -' *' =71-' (D* 7 ' -) -' *=' 70' =*(*-' 7?' *6 K=' ' *6-' ?E*E0-' 70' ,7DD(= 7 (44+/ *7 0-?0(' ?0< 1' 6 <-0 K W6(*' =' 7@-0W =-' D-0*(' *7 *(J-' L4(D-' 70' =' *- <-<' 3+' (7*6-0' L-0=7 (' *6-' =-D7 < L-0=7

[illegible]

>!!!

[illegible]

!' ' =-L-D (4' *-007K(*) -' E=-=' 0-4(*-<' *7' =- =-=' ?7<

6-' ?0=' L-0=7 ' E=-<' ' TE-=* 7 =' *7' W6 D6' *6-' -RL-D*-< (=W-0' =' (' D71 1(<' < 0-D* 7 ' 70' D7E =-4' 70' (0 74) -' 7 ' *6-' =L-(J-0=' 7W ' L(0*' ' TE-=* 7 =' *07<ED-< 3+' (6' *-007K(*) -' L07 7E ' , ' 734*T6-' D(=-/' (<)-03' 70 (<)-03 (4' L60(=-

[illegible]

,@/ ' D(*-K70 D(4' TE-=* 7 =

[illegible]

?' %' ' 07 D(4' (??01(*) -' ' -RD4(1(*70+' =- [*- D-' -TE) (4- *' *7 *6-' (37) -' *-007K(*) -' E=-' ' , ?' V-0'

[illegible]

F *7 3-') (D 44(* K' *7' =6 44+ =6(44+'

[illegible]

3' 1 4(04+' *6-' *6 0< L-0=7 ' W6-0-' *6-' =E3[|||-D*' 0-L0-=- *=' 70' D4E<-=' *6-' =L-(J-0' 70' W6- ' *6-' =L-(J-0' =' L4(D K' 6 1=-4?(* (7*6-0=' L7 *7?) -W

[illegible]

7' *6-' =-D7 < (<' *6 0< L-0=7 ' W6-0-' *6-' -RL-D*-< (=W-0' =' (' <-D=7 ' 7 ' *6-' L(0*' 7?' *6-' =L-(J-0' 70' 7?' 71-' L-0=7 ' 7*6-0' *6(' *6-' =E3|||-D*

[illegible]

H6(*' WB

[illegible]

< 4E' < 0-D* TE-=* 7

[illegible]

&' =' (' 1'-0-' (ER 4 (0+' ?701 K ,W*6' L0-=- *' ? *) -/ *6-' ?E*E0-' (<' ,W *6' L-0?-D*' ? *) -/ *6-' ?E*E0-' L-0?-D*' *- =-

[illegible]

(' >' W6 4-' 0-*(K' *' L0 1(0+' =- =-' =-0) -< (=' (' *- =- = K' ' (7E D K (' ?E*E0-' -) - *' (=' ?(*-< 70 <) -4+' <-D0--<' - D-' 6(=

[illegible]

(4W(+= 3-C '*6-' (ER 4 (0+' E=-<' ' (44' L-0=7 ='?70' L07L6-* D' 70' 70(DE4(0' (7E D-1- *=7?*6-'?E*E0-' (< ?70' =74-1 ' (==-0* 7 = 7? *6-' D-0*(*+' 7? (' ?E*E0-' -)- *

$'0++' 8 .1 9 I' ;NLN ! @ ,':V-AA@ AC ' @E G,@' -C@' %C +@ ' G?@' G ' C A' %<PN' ' %0' <& *0' > @'S ' P' ,+@' @, ' @' -,-A' ,-) Z & - ' - ! ' * 1 ' ,'S -' 'AL';5C ')L' V> E ,,+'E@A' D ?E ' ,';OPN' < ' 0' 3 5 0' =N)<# '"@' ,'C @A' +@CC@' EC *+' ;O<Q' < . B ' 8$-,, ('P;LL'+ -,,@E')>'U@>@CG' ?- E@' ,-AD' ((+'E ' EE@B' G',-C@');=NN' ? ' S S' W= ">,' E .@ @' 'D- F+@C' E +' B +'E@' I>@A@' - ' C, AD')';=QP' C$ ' $"' O;MK' BG' -?C@' B ,,' @'J>+' A'@S ,@' ,,Z) +C# 3Z C-EE@D' $/ I' ' 8)' C & (8;KMQ(=L' B + B ,E@Z B ,E@' ;LQQ)' A' ,,@A' $ " Q &-' $- * &'' 8;<NK(A-' B@' I>@@A@' A@ +B@C' @ @C' Z A-C Z A-C @ @C' B ,,' E@' +B@' B@ D' - '+B@' %B>C' B' - ' A., ADZ S)S' ' (0',>' 'OMO - D-' '&C-JB@3@ ' '%>C @. B ,' , .B+' J-A' +B@' 6?E@' - '?@A' SMb' 7 ' &1Z' T' OQL' + .? @' '?@A' B ,' -@' - @C' AD' *@@C@+ ' -A@' - ' A-+B@C' $>&%' - ' +C' & 0' * E' A' ' OM -'&C A @' -' .C@ +Z -' @ ' " +B' @ @C' C @AZ -C B ,' @ @C' C@' $ /A' ' ' $ ' ' ! % &'';<;' 7B + ' @ @C' C@ -CD',@ J' +-' , .B+' "@'A@ @C' B ,,'E@' B ?)' ;KM= :'"'(8 ' *&10' ;K;' @A@C' %->A ,Z +C>,G' > BZ A@ @C' D DZ A@ @C' B ,,'@CC' A' ' ? ++@C' - ' +B' ;<,' 5' 1 ' 3 &' ' 8;K<P(=M ! -' +' ? G'E@Z -' +' B ,, E@Z] #BZ + U@' +B@' JC-JB@ G'B+? '? @'

3 ' '*6-' ?0=*' L-0=7 ' '6(='?071 '*6-' -(04+' ' L-07<' 3-- '*6-' 701(4' (ER 4 (0+' ?70' -R ' L0-== K' 1-0-' ?E*E0'*+' W*67E*' (+' (<)- **7E= 7*7 ' Z ' 7'-)- *=' D7 D-)-< (=' <-L- <- * 7?'*6-' =L-(J-0Z=')74*7 ' , 7' E=- "U ' '*6-=-' D(=-= =' 7W (' 1(0J'7? D7*@' 0=6'L07) D (4' 70' -R*0(0 * =6' < 71 /

,'OA+' ' '/ @D' ;=L :' B ,,'B ?A' -CC' ? A' AA ' JD' @A') ' : ' "@? ?' E @' m+' AA+ ,,' AA. ,) B' 7 @AAD' ,'$A+ [' 'KLQ;' >' @' >6@!' -C'B@-C@'E@-A@'E, W@' >C!@A' ;LNN V 0' & '';=NM8 >D' 3 ! ('J ',-AD' @' B-,,@A' AA@' AD' ,@') ' B +' E A' AA@' O=Q< KL' = BS') ' 44'MQ :' B ,@'DG@' ' B ?@ >,'D@+B'; ;P<P' A' $ 0' ,0' &,0 C)1!0' 'LPQ' 3 G' C@ADZ G- ' AD' ' B ,,' J, G' J-' ?-C@' +' E,@ ' A- ' SM- ' ! ' $,10' ' S 7 B@A' B ,,' @' +BC@@' ?@@+' . A@A' ;MSL] ' 0' ! ' Z ' == B@A' @@' B ,,' E >@' '@?Z ,U@' '+-' ,@A @' SM)' = . 'C0' 0' 3 QLQ2: B ,,' --A C DB@ 'A- +B@ @C) @,&D' ;)) ' K (*' ,$ 10' ;;' +Z !-] CCG' B ?' - ': 7@' B ,,' B @' B ?' A+-' ' @ @C'EG' AD EG' % 0' # ' A'?& 2 !!8;<N=(' ::'=NO' B' AA-+' >JJ- @'+B +' @' B ,,C @' +B' 'D @ @D' E-DG' SK-M 9) 8' 0' &'$' !') ' "@'? G' -CU' B '- A' ,,Z AD' B + B ,' @' C@' L AA I .. ' $ 0' Z =N 3 G' +C @, 'D-A)] 0@ -C@' +B@' B C, AD' U@' ' ;' B ,,' B @' ->AD' 3 G' AA' - , + A.' C@ +' KPO = ' 8' E','! &-T ' 0'S Z 0>+' B +' 'G->'D-A'+'B + '); $!!' B +''Z D' @-C.@' --,,G' 4KML<' ' . ' & - &!$' ,Z #>C' J@C -A ,' B C +@C' ,,'E@' ++ U@DZ @ B ,,'E@' ?J@ B@D' +B' ->,' + -A

,@/ ?')74E *(0+'(D*7 ' 70' =' *- <-< 0-=E4*>' -0-'Y' , ' ' =' (4W(+=' (<1 == 34-' -RD' W6-0-' *6-' 7* 7 ' 7?' (' L0-== * ,(=' <=* KE =6-<' ?071' (' L0-) 7E=/' <-D = 7 ' 70' D7 =- * = '*7' 3-' -RL0-==-< ' W6 D6' D(=-' * ' 1E=*' 3-' E=-</' E0*6-0' ' 7?*- ' -RL0-==' (<-*-01 (*7 ' ==*-<'7 ' =L *-' 7? 7LL7=*7 ' (< E' ' ,D7447T' Y' ('L-0-1L*70+' 0-?E=(4

A' +B@'SM+B' '? D'@ C, @CZ ' !- +@A'- ++C ' B@C@' '2 ! ' ->,D'A- 'E@' 6K)D %4O#N # 2 ' LLP)' ,- ' B ,,'E@-A' WLL' - 'KLL' EE' L> ' 7 B ,' HL_[' + ' @<,@,,D' , +@EE ') OOP' 0' V $ 0' L<M 7 @' B>,@A'EC A.@A'+-' ? D@' J +' @'+>. BAA@A'B EE@D '$';LNN V0' & ''KLL' B , '7 E' ? ' @CD' @,'@E@' 0C A.@' B@?' EC@'+-'D@E@' ,'OLON' ' 0' 9$ '%B@C,' .-' - GZ FE)C' G' B ,'E@' ? +@' SLK' 9 3 . 6'?5& 0'SS' ;< !J@U' +A- '+-' Z AD' @' B>,@A' B@C@Z ' &&' 1'C& (;799' ' B +@' ,,@ :'-A@'EG?' @++Z AD' ' ,,@' -AD@' ,C +@' +-' E ++' ;LP< 7' B 7 ' & - & 0' < $ 'JX B 'A- ' B ,,' ,' G' U@J@' >C@+G' A'?@?-CG@' SM-S' ' !!G ' !!' ' 'OQ' A -C?@' E>A'! - ' "'#>C ,,' B@' B->,D] +' B ,,' ?G',@.@' 4M<L 13' '!$A) ' (-*!(<$ %' ' B?,'E@. A' ?G' / ->C @'-+B W$> @,@+ J@ CEG+@,, A,G->^@+ a' ';QQ<' & 'E &0 OL2:Z B ,,'@+' ?G' @ AD' D >.B+@C'UA- 'Z +B +' ' ,,'E@' ? +@C'- G'A- B-> @' ;KS< ' ' KM ! G' B +'G@' 6%' :' B ,,'D@AG'A-' ?-C@' ;KLL' ^ @@' ' '-/C 0 ;KKL' X (' '' ! '&$ ' 'PQ' '&E' ,@A @ ' -C CD '" B ,,' -A+ A>@' +I' J@,,' $G?@' +B->+' ->C' C-A.,G' DD@D' 3

D ' '*6-' =-D7 < L-0=3 ' ' 6(=' (' 1-0-' ?E*E0-' (ER 4 (0+' (LL-(0=' -)-0' ' 6()-' 3-- ' E=E(4' ' (?'01(*)-' 70' -K(*)-' =- ==' ,-RD' E' *6-' =-= *0-(*-< E <-0' "' (' (< ' /U' 3E*' 'D(*-K70 D(4' TE-=*7 = * = 701 (4' - K 'S' '+7E 1 == +7 0' *0('9' '(1'(?0(< +7E

< ' '*6-' *6 0<'L-0=7 ' , =EL-0=-<-<3+' Y* Y/ -RD' W6- '(7*6-0Z==*(*-1- *70'-RL-D*(*7 0-=L-D*' K'6 1=-4? =0-L70*-<' '*6-' *6 0<'L-0=7 ' -'K' ! -' =(+=' 6-' =6(44' 7*6()-'* 1-'*7W0*-Z ,)- ' '*6 = D(=-' * ' =' =* 44' 7*E D7117 '3E*' '=71-' D7 [*-R*=' 4-(<=' *7' (13 KE *+U' * = *6-0-?70-' L0-?-0(34-' *7'E=-' ' (=' *6-' < 0-D*0- <-0 K7?E' '

%;ONN' ' / @D' Q< J@LL' B>,@AA' , +@+?' B @E@,L' # ' >AAU@AC' AA ' S !L-') ' 0' ;OK A' " X, 0' C 0' CO' 'PP' %- ?@'+B->'B@>@C@' A'B@C@',-AD@Z "G' B>,@A' AD'+B@'A'JC ->A' +C-A.@' ,,'OLL' $)% & ! $'PM C? +' I>E@A' +B- ' ,,' 5-C' :'+C# ' AD' +'E@'A- B' 8 !' >?' J C+') E@'+BGJ@' ;=QQ' . 3 '8% S+-A(;< & C Z >@A+>C@' ?' D>@C' +@' ?G'J- @C' B ,,' U' ' ;=)' ' L &'' ' - &'' 'M= 1 'G->C' D@C')?@' . GA' C-?'+B@' ->C+)' B ,,' G,,'G@,D@'G->' +-' +B@'UGA.@'%A C,@? GA@' * ' ' 1Q ' A' &% ' Z8;PK=(' 2' +' B ,E@'B@'C@J-+C@D' +B + ' GD'+B ' AD' AD +Z AD' @' ?G' -CD@' B ,E@' D@J >@D' ,'SMMM &51T' ?$!!T' '=< ' '4 ' @)', U@'+B@G' B ,,' E@' @A+Z --A' +@CZ +-'C@, - @' ->' ,@ ' ' & - ' %

' &' ' ' SZ 3-A+.-?@CG' 'I> +-C ?@' ,'@ C J,@ ' >!"'" 0'C ' B@'@ @ +' -'+B@ + +>+@ ,E->C B ' , G 'E@@AZ A- ' Z AD' JC-E E,G' B ,,' -A' +A>@'+-'E@Z ,@ 'JC-D> + @'+B A' +' ? ,B+-D>' SK)' = 8(' 0'?$,&''4? S+' '=NM B +' ?@+B-D' ,@ D '+B@' ,- A'+-' +B@' -A ,> -A'+B +' 'B@ - 'E C,@G' B@' B ,,' A-+' C@ J' B@ +' XK -K' = ((U G 6'E !0' ! 0' 8;KQ=(<0' &@-J,@' D-'A-+'C@ ,,G'E@,@ @'+B +Z +B@G' B ,,'E@'J>A B@D'EG' -DZ AG'?-C#'+B A'EG' ? A

) @ ' / - A' +-' +B@' K+B' Z' $!!' +B@' >S , CG' JJC-JC +@'+-'+B@' C +'J@C -AZ ' -?@+ ?@ '> @D' B@A' 'J@C -A' CE+@'- 'B ? @,' A'+B@'+B CD'J@C -A' % '+B@' -C?>, ' > AD'G->C'J@++-A@C B ,,@ @C'JC G ' : :'A' 0' $ 0') =5? +'LL' ADG->C' @ D'#C ' +-C') ,,'D G,G'JC G'+-' B@ >' -C+B@'JC@ @C> -A'- 'G->C' ?- + CG ,,.C' @' ;M=O $ 0'C ' 0' 8;MMO(;)ONL' 8 B->.B' " ' 3 *@ +G' B ,,'E@' D@@J,G @A E,@' -'+B@'C > @C A.("@' B ,, B' " 'B AD Z C-?' +,)@ ,@ +' ?J>++-A'- ' , UZ A@ ' ;Q<K'E 2 (' 0' A'C $ & C ' $ $!0' 8;<NN(=P' 3 C ' 9@?E,@' JC@ @A+' B ' C@ J@+>,' -?J, ?@A+'+-' +B@' -C' JC@+-C' - '+B@' '3-A+B,G' 3 CC-C'Z AD' B ,' B @' .C@ + J,@ >C@' +'E@A.' +' ,' E,@'+-' D'+B@'

' A' A@. + @' 8-C' C+> ,,G'A@. + @(' D' AY +@CC-. + @'> @Z $!!'- +@A' 'r' ,,'E@' E,@'+-' 1 T' $'X---' <) .!$,' ' . "0' 8#C (">' +-,' ?A' >? A'. @ +' +-' L@- @Z A@?A@' .)@' G,,@'BGC >?A@'B *@'% $';LQL' "& ' - 0' ;N=' @+'EC@U@A'B@? V+ - ADEC@A'B@?' ,+-'J->D@CZ ! B ,+->'A@>@C'.@+@'.C @'E-C L'A-A@' > B@'.-DD@ ' ,';LKM 8 ' ..(0' :&' @' B>,'A + J,@ @' B C'?E44+'G@C@ ' +BC@@Z B ' '+-' @GAZ +-'D--A' B C' >,'J,@ >A @' ;PMP M' ;'O 0 ' & 0' 8& CU@C' !E ('OML' ?' :'DC ' -C CDZ AD'-+B@C' DC ' E U CD Z B +' B ,,' +' , ');MNN' 0 ' &'' 0' S Z " - ' +B'+B 'C .@') ,'E@ >+ @'B-,D' ,@ ' ;MPO' . ' 0' - * & ' * 0' 'SS '8;MPL(;<0' ',@' B ,,'A@ @C' ? U@' '&,->.B'+-' .-' +B'@ @'EG'B 'C>,@ ' >!!'^ ' + " ' ' &'0' "- ' B ,,' ' --+B@'+BG' .C@Z ?G'D@ + A'D'EC D@`

0' 6 @D' 8 +@C' $' BGJ-+B@+ ,' , > @' -C' ?J@C + @' @A+@A @(' A' + +@?@A+' - ' 'C@ >,+'+-' E@'@SJ@ +@D' C-?' -?@' + -A'-C'- >CC@A @ ' - , 8@S ' A'+B@' C +'J@C -A(' > > ,,G'C@J, @D'EG'2 !!' E>+' $!!' >C @ ' A', +@C CG'> @

OA+J ' ' U' W(V>' ,@>@ +' @,@A@' ?-A' @,D-' (V> @,+' @,'D-J' $ / / ' ' , (0' =NM 7@-J' -C'B ' >AA@A' J>' E>' B ,+Z @D' ! ,>-?-AZ C>U@,@A'-A'B ' B@? @D'E@ ? AD@C ,,@D@A' $JO' 3 '?$ 0' 'C0' 0'S *A'S '8;=<P(K=N 1 '+B +' ? ++@C'+- @EG+B' '? AAG'E-DG'+B@'B@@C@') ,,@' ' ?&++' = B) 3'F$ JOO'S ' ;K<) '-AG'+B A.' ,,@' A'+-'+B +' 4)U Z +' B)@'B@ @C@' -?@A'>J')@A' ';=NN 3 '?&' ' 0' 0' S ' 8 EE' 3!(' 'L;' G0' @' -,@+B'B @C' + U@' --D'@A+@A+' @' B>6'?- @' @@) E)'^@+ a' [PL= ; / '5 & 0' 4 < 7 B@A'G@' J@ U@' +B'+-A.@ 'B- ' B ,,' +'E@' AD@C +-AD@' B +' 'J-U@A' '5-C'G@' B ,,'E>+' J@ U@'A'+B@' G@C' $/O&' 6 .)' %% ,' * .0 8 CE (OO' 7 B-'+>+ B@+B'J + BZ +B'J + B E ,E@D@ ,@D' L% $ ' : ==' 1->' B ,, B- '+--'E-,D' ? , @' . A + +B@ '&@C -A'- 'G' 3 +@CZ !+- U A.'B ' 3@ @A.@C' O>+0' . $! , g- ' ;SK'5' Z' :' B ,,'D -E, .@' 3 >,+ +>D@' - ' ?G' %-CC@ J-AD@A+ Z ' 'D-'A-+'+ U@' -+ @' -'+B@? ' KWS' '6 ' ' $ ' ' 8;KQL(Z ;=N + $-?@' AD' G->' B ,,' AD' B ?' ^+B@'&-J@a' ?@C@' CC -A' 4KMP B ' $- ' 'e' ;O' 3 U@'G->C @,'A-E,@Z AD'G->' B ,' E@' XKK ' $ * ' $ (/@ ' O= O' S ?A@' +B@' E--U' B@, @ Z AD'G->' B ,' AD'+B@'A- @, +' ' -C +@' >+B-C)

,S' A' , > @'@SJC@ A.'+B@' -E*@ +' - ' 'JC- ? @Z -C' - ' A'@SJ@ + + -A' -?J A @D'EG'B-J@' -C' @ C' - ' -A,G' B@C@' $!!' ' +B@' -CD A CG' >+>C@' >S , CG' E>+'D- A'+-'+B@' ;<+B' ' $!!' ' - +@A' JC@ @CC@D'+-'2 !!' A'+B@' @ -AD' AD'+B CD'J@C -J ' % ' @A @' X

>#! ' :' O 'OO' 5@E' A' C(' 03(' +B@' ? CU@++'E@' A-++' .--D@'G +Z 'B-J@' +' B ,,'E@'E@++@CZ ,'4=QP' +A' ' 0' < ! ' 8;KQN('L;K' 1 @' B,,' @C@'+B +'G@' B ,,' @,,' AD' +C>@,,G'EGB >@'G->' S) " 8 ' !' ' ' 2' ' + U'-A'?@' A@'J C-' ' - +B A@'B JJ 'W ,,' C C'A,, ' ? ,)' B A' +B- ' A' E, EE C' +B' +AG'% CC U' ,JJ ' ;P) ' 0 ' !$' ' Z ' ON 7@' C@' >C@'+B@G' B ,'ECG)' '+-' ->C' ,> +G-A' ;MOK' A' ,, ' 0' !@C'>' 'OMM "@' ' -A D@A+' +B +B@'E,--D' -'%BC +' B ,,' B' G B Z A ' OM=L' 3C ' ' "-J@'C $,$'' $ " 'S '8@D'L(;<)Z 'B-J@'A-E-DG' B ,'B @' AGB C?@'EG' AG+B A ' B @ +D@Z AD' -C' ?) , '+B@' -C +'+B@G' A'D-@'+-'?@@' '+B@' E@ +' @D' D@ C@D' ;MP=' 5' ('A' 0' C$* ' 8% ' ? D@A(' ';=O :'B-J@'A@ +B@C'G->C' %- @A'7 +' 3-A+ ,>' A-C 7 , A.B ?' B ,'E@'J@C? ++@D'+-'D ->C @ +B

A' A ' A' ?J@C -A ,' JBC @ Z' ' ' ' #' + K! 8+-'D-' -' AD' -(' '8A- ' * O/>$ 77 'C$' &-('S '5'EZ +' B ,E@'A@@D >,' +' +B@'+?@' -'G->C' ?@ >C A.'+' B >@' .C->AD' +' , E)+@-A' +B@'-A@' D@' ' 9 7 +C ' ' ,&!$"' &"T ;; 4') + B ,,'A-+' 5L' ?J@C+A@A+'A-C'->+-' '?G'J>CJ-@Z , 'D-' J@ U ' -'+B@'U+ B A'-' +B@'.C@ +' >CU@' SM-O $ & ' D' @ +' ' '=E' +' B?,'A-+'E@' ? @'8-C B ?' +B +' ,,'C@ D(' C +'+-'E@E-,D@'+B ' B-C+%-'?@DG'-' CC-C +'+' ' $E' ' DD@D'%' ' +>C@'D +@' A' ,> @' ' ?@ AC A.' +? @' ' * ' A' T'A+' ' L%L>' ' 9 8 ' A' & ,) 'C$*' 'OP' -' B@ J>CJ- @'?G', +@' -CD'%E A @,->C'. @'B 'DC@ +-A' E->+ +B@'L'-' / @ @'EC@' B ,,E@ + - G@ C@

B +' A'+B@' D-? + ' > @' - ' +B@' >+>C@'+-' D@A-+@' B +' -CD A C ,G' -C'- -A ,,G' - >C'>AD@C' J@ Y @D' -AD+-A Z ' -C?@C,G' +B@' > > ' >S , CG' A'+B@' @ -AD' AD'+B CD'J@C -A)'+B ' ' A- ' -?@ B +' -C? ,'-C'CB@+-C ,' -CD A CG' AY .> .@' >E + +>+@' * ' -C' # +@A' A' A+ +B@+' + +@?@A+' ->J,@D'EG' A' D @C + @' -A*>A + -A' -C'EG'$' ' +B' D @C + @' -C @Z ' A'+B@' C +'J@C -A

- ' L)'K'O A' J+@' - ' ,' ?G'% C@Z :' B ,,'@ @CG' J- ' AD' +B@A' B @' ! > G' $,'C D@'EG' C@ -AA- +C A.Z >AD@C ?G'7 AD- Z 3 ' '*6-' =-D7 < L-0=7

'?A++' ' =OL' 5>,,@ @?@' @C@AA' E B \+>' B ,,+' AD@AA' ,,U@' A>' 0 + @A@AA' > ' @,,' @ @') ;==<' K %#%9' * 0' ;'SS' ;;< B-> ' B ,+' A-+' GAD@' @SJC@ @, ' A' " -,'! C J+>C@'+B +'+B@' @ @' @ + ?@A+' B>,D@' E@' C +@' A' A., B'+>A.@'+-', G'?@A' OP<M . 1.'+C' ! >' 0' ,& 0 ZP' ! 'J,@A+ >,,' '+B@' .C->ADZ +B +' ?@U,@ @ @C' L@' ,'@SJ-A@' I>B +' +' A-)'E@ C Z +B A' I>B +' +' E@ C ' OL<QZ 3#$ 1' ' &$0') 0' AA-+Z 1->' B ,,'A-+ AD@@?@ D@' A' ,,'+B@'E--U@' +B->+' -?@' .C- @'@CC->C'-C -+B@C' O%A/ 0' ' ' - '8 CE (LLL' 1->' B ,,'B >@' +B@ + ' +C,>@'+-'.@+' / J,@ Z ' +' C@+B' +B' -+B@C'!@ + ' ;QMN - *& & ' ' , ' 'OM "@' ' 'B AD -?@' ?' AZ)'G->' B ,,' @@'-A' ' >??@C' 'D G' KX-' '?& &) ' Z ' ? A' -',@ ?'D'G-> B ,,'E>+' @,D-?' @@' -C -A@' - B-A->C'DZ O /A"&' 1 ' 8;KPK(=;=' +@C'UA- A.' B ?' -C'G@ C ZG->' B ,' >DD@A,G'D - @C'+B +'G->C' @ C@AD' A- @' ' , .B+,GZ CG' ;<N< $ 0' 0 O< 3 G' M<O ;' 1->Z B ,,'?@@+'+@A'+B->' AD' ?@A'@ @CG'D G'A'+B@'G@ C'E@+ @@A' +B@' O AU' AD' +B@' 3 A -A' "-> @ B-' C@' 'J--C' %B>C B' ? @

7 ' '*6-'*60<' L-0=7

' ' ' 0' OLMO@' (VK@02 C@ A A' -(Q@ (V@ @' ?-A'E '>+. A.'B)CB' q-A@)'?>D Z @ ' J A' "@' @' -+'E@ , @++ A' ;= 'C&!0' !0' ' 0'C& - '8;<NL(OQ;' F> A' ' BG,D' +-' -,@'S ,' @+'E@Z 'E-U' BG?' 'EC- +' $';LMK ' ,.&! - 0' '8 CE ('L< ' ' +B@C'B >@' ->C@' -AA@Z +BC@@ ' @6' -C?@D '+B@' ->C+B 'D@ -C?@DZB ' E- @ B ,E@Z +-'J>+'+B@' -C +'+-' ,@ CA A.' [P<K .3 ' '?$ %$ ' &!) - ' ' OL= "@C@ EG' +B@' &C A+@CZ A' -A@'D G' B ,'C D' 3 -C@'0-U Z +B@A' G@C +' '+B-> AD' 7C +@C 'D ' OMLO - '< :' &) ' ':&'1->C' ? A' B ,,'E@Z' > GZ AD'G->' ?>+'A-+' +C U@'B ?' +GSX') ' * 0' -'OL' K' ' B@C@' 'AD@@D' -?@+B A.' @CG 'AB>? A' +'B-CD A CG' ! CE,@C'- ' ?J--A ' A' AA- @A+'G->A.' DG' B ,,'E@' A' @))- @DZ -C A'>AB JJG'5@ +>C@' A>OJ 9 ' ' && 0' ' 8;Q<=(' '4Q< #A@' ? A' B ,,' JJC- @Z +B@ ?@'+B +)' +B +' A-+B@C' ? A' B ,' -AD@?A' SKOS' ' ' ' ' !$ &' ("@B '-?@' J@ >, + @'A-+ -A' . A +, >.B+@CZ ' B@A' J@C D @A+>C@'+B@'A@S+'?-?@A+'B ' ,>). B ,,' C- ' ,U@'%B A+ ,@@C' ;KQN' 3 ' .)' :' 'C$)! % C & 0' 0' + ? G' @,,'B JJ@A'+B + ' ? A' B-' , @ ' AD'+BC @ ' >AD@C' ?-A C BG' B ,,'G@+'+B@-C@ ,, G'D JJC- @Z +B@' JC A ,J@' -'? -A C BG' $ >+' 8 . ') "' ' 0' ;QL' B +' g) + B' -A@' B ,,'B D@' G A-+B@C' B ,, B ' B@ C@C ,@A.@A'F+B@' @, + , + - A' J ' ,@A

: ' ' 6+L7*6-* D(4' 0-4(*)-' (< *-1L70(4' <(=-= <- 7* K (' ? * *-' D7 * K- D+' '*6-' ?E*E0-' (E@*4 (R+' ' '?70' (44' L-0=7 = (4 J-' ,H6-0-' 7 (13 KE *+' 0-=E4*=' 67W-)-0' '*6-' L0-=- * *- =-' = D7117 4+'E=-<' ?70' *6-' ?E*E0-' (< '*6-' L-0?-D* ?70' *6-' ?E*E0- L-0?-D*7 '*6-' E=-' 7? ' W6- ' 7* 0-TE 0-<' ?70' D4-(0 -==' =' (L**7 =7E < L-<(*D / +'5-C?@C,G' -?@+ ?@'> @D+ @SJC@ '+B@' @A @' 'JC@ @A+' >E*>A + ,@

(' '6+L7*6-* D(4' D4(E=-= 8+' $!!' 'f' T' ' B ,,' ' $ 0+ ' ;OPN 2 !'73' 0' ;MKL' ! B ,,@'= 0 0' @B>,,@(' B' A'>+@ +' >JJ@A' - ' .C@D@Z B' B ' -' +C-A.@' @CD@' ,@D@Z J +' - @C' JC->D@' B ,' > ,,@' ' ;LNN' $!&.' OQKO !B-.' A' +@A') 'DDC@' -J@AZ !> 6?@'- 'G->' B ,' B'DC@J@A' OLKO 9 . 6' ,,!) 0'SS" ';L' 'B@' B>,'E .,@'+B@' EC-+B@CZ +B@' . ,+@' - ' BG?' J-A' BG?' B ,'E@' D=- - ' <$- !"' ' ;SP ' :' B , +@'E@'E@+@J' A-AZ %C +@ ' >C ' ?-' +'+B->' B @' E>+' +B->' E@'+B +'--A' ' ;LKK^ @@' a' 4P<# A'%' ! ' ! 0' ' *'EZ 'G->C' 7-C B J' B ,,' C@ D' +B' J +@A @' AD' +B' .C@ D> @' @@' A+-'+B@' -CU' ;MKN' 2' $- * .0' C & 0' C$* ' 8;KMQ('LKK ' AG' %BC C A B ,,' J@ U' -A+@?J+@-> ,G' -'+B@'?-,G!' C J+>C@ 2 > B' J@C -A B ,,'E@' J>A B@D' $ JA' \ ' 1' " 0' 'G->' B ,, D,'+-'>AD@C +AD' 7 B +' A., AD' %)'G->' ,, -?@'+B@' >C @' - ' ,,'+B@' , AD

3 ' ' 0-4(*)-' D4(E=-= ,W6-0-' *6-' (*-D-<- * <- 7*-=' ('(= +-*'E <-*-01 -< L-0=7 ' 70' *6 K/

CSON- #$3 ' OONP' 5-CCJ ' +-AD#AA' ,,@'B ' & ++' B>,@AA' AA+ ,,'E@,,@' A@DD' BB' .@+' ,'OLN <' ' 0' 5 0' LNP ,,@' MNZ D@' -' B@?' >,@' 6?@A' >,@A' @C?-C' J'E, @' >A@A' ;LKO 9 . 6'). 'S' K' J' +-' B +' @>@C@' +@@' B>,@A' #A+C@Z AD' +E@' B>,@A'C@ @G>@'LN6Z @+'LN +B-'+B A. '+B +' E@A' J>+'+-'O-I' [75" Z' 0 0' !!'8OKKO(LK' AG'.->D@' E +' B@,@'E@' -,D@Z G'+' ? G' G,,' J +' 7G,,G$?' ,>- @' B > @' +' ' ;=LN ! ''LLZ :'.-'+A D@C' '+B@' B>,,@A' ,@D@' +-@' OLN)' "' !! '8% ?D@A(' <OZ ' ,, G' ' G'D'+-' E@'D@,+@' A'E@DC@D' ?@A +B@C' B@C@' +'S ,E@' ?- +@' A@D@' J"' 'S GM 1 ' 0' 8;K=K(' OM -' -A @A'+-' ' '>+B@C'+B? ' ' @,E@'+B- B+'@SJ@D @A+' ;MML;;' *(' 0' 0' & - - 0' A'%-,,' 'O==' 3'C' 3 G-C' 'D@ C@D'+- Z J G'+B@' @@' +B +' !B ,E@'D>@'+-'+B@' - @C ' ;QSK'$- '),$' ' A' ;Q;'Z 7 +B'B>?E,@' -+@ '-E@D @A+'+B@G' ,Q)' - +B'+B@G'C ' .B'E>+' !>E@'+@ ? B ,,' ? ,, / @ C@@' $>O&' =) K ' B ,,' ++ U'?@A'+B@'$@D'!@ ' SKS' B 0' &'< 0' ? %%& ' ;M' 5@E ' B@' ? A' B-' B ,,' C+'E@-?E' ,-' E@,@ @'C@' A'+B +'E--U' ,,-E+ A' 'B .B@C' C@J>+ +-A'B A' @ @C' + +@ ? A' A' D D'E@ -C@'B ? >&' ' 7 3 ' '=;Q 7 @' @S+@AD' ->C' G? J +B @ +-' +B@' >AE-CA' .@A@C + -A' B B ' B ' ' ' >'-A+B '@ C+B

D ' ' *-1L70(4' D4(E=-=

OLKO 9 . 6' U & 0'S 'OM' " - ' - +@' @>@C@' B>,@A'@+@' +B 'EC@@D2 'L@' B>,@A' @E@ @'+B@'D@@+B' - 'CDZ +,'B@' ,,' ?@Z ,';L<='C0' C' 0' ' < 7 B A'G' B ,' B@ @A' ?GA' BC +' B@A+' ?-+@'G' -C @AZ ,'O=OO' #9'C&!0'C& - '5 5%55' 7 B@A@E->' (EZ -C,D' B ,'D@' ?@Z / J A@'?@'A-+' +@C ?G'D@D@' O=KN ?) "' !! '8% ?D@A(MQ AD') W'+-'E@' D--A ' -E@' > B' @' S ,, C@ I>C@' OLKK 6 0' x) ..' & * '8 CE ('LL' '+B ' G' B ,'E@)' +B->.B+ ,--DZ B@A'+B@C@' B ,E@ -?@' D> @'+)+@ @A' OMPP & 0' !$ 'C$* '8% ?D@A(' L;L' 7 B@A'G-> ' B ,, @A @' ?@@@' B ,,'E@@' C@@Z $'OQML' 7 Z Q 7'C&!0' ' 0' ' 0'4OZ5 +' ;P< B@' @ +- B JJG' ->, ' B-Z +@C'+B@G' B ,,'B @' -A+ A>@D' J +' @'- 'ONNNN C@?- @D' +-' ' ?-C@' .,-C ->' -CE' & $2 %% ' ' ') & '45 & +'ON ' A' +C U? @-C' +' A)+B@C'+?)@Z B ,@' +B@E ,,' B ,,'E@' A' J, GZ E-+B'B ' @@+'E@' - @C' +B@

-C' ' ' KW ' : 7 . K SSS 2' &C G' !+'
!+E@,DC@D '+-'E@' +B' > ' B@A' +B@' D G' B ,,' -?@' ;K<M
B ' ' !$ ' › ' $! ' ' ;;' 2' 7 B@A' 7 C' ' ,->D'
B>++@' B ,,'B @' - @A'J@ @

: : ' D4(E=-= -RL0-== K'*6-' LE0L7=-< 0-=E4*' 7?
U71-' (D* 7 '70' *6-' 73M-D*' 7?' (' <-=0-' *- *7 '
D711(<' 70'0-TE-=*' , ?*- '(<1 ** K' 7? 3- K'
-L4(D-<3+' - $"H' ' Z ' (< 7DD(=' (=' 4(*-' (='
6-' !!*6' D '*6-' L0-=' =E3M' W(=' E=-< (=' ' (* /
(' L'? (4' D4(E=-' E=E(44+' *07<ED-<3+' $ T

A' +B '> @' ? -D' D -?' JC@ @C' &)! '=##' (' @@' I>-+' ;M;;'
,@,- 2' AD'+B@' JJ@AD@ 'C@? CU
,' O&&' 'QM=N2' 4J ' B ,D' 'E-C@AA' B@C' +-' J AA' J ++'
@,@' E>,@AA' ,,@AA2' \' @,@' E>,@AA' C @AA' >JJ' S -'
2!' ' 0' ==P' 0 +' ?@' H%$0' B' B>,,@' A.@' -C' B C@' ,>>@'
VA@' 9@A+?.@' ;LQP' B '?), ' ' ;PM :' ,' D-' '
B- ' ,' E@' U A.' ;L<N' < 8 ' &'%0' 'O;L' B@' @-A'
AD@C' JC-+@ ->A2' B +' ,- @' AD' B ' @ ->A' @' ?,'
,-.B+' + U@' B@?' E@' +B@' ,,@ @' %4=PN .›' $!' OK<2'
' , ' B@ 'LN7' B +' E ' C ?@A+' 2' E)+' B>,,-A' A'
G? -?GA.DC@D@' -D' E@' ? -C@' ;=QN KP' ›' ›') '
?2' 4 'MLL' 7 B +' ,+,@' G@' +B +' ' B ,,@' D--' GD' , B D'
+ !' A' : ' 3 ' !+-A@' 0' $ "' 2' JJ' P;K' 3 G' ?GAD' AD'
,,' G 2' +B +' +B@' D' %-D @,,' B ,,' E@' @J+@D' SM,S' .
[0(). 'S ' =;' 7 B +' ,+' +B->' +B +' :' B ,,' D-@' A+-' +B@@' '
&H $ (550' LO 'T B->,D" - $ .5(\ ` ' KKC' 8$@ @D('
, 'T B->,D ' A ,,' +BC@@' J .@ ' %- @CD ,@' 8;PLP(' E b'
B ,'" A' A' +B@' -+B@C.-)@, 'T+B +' 'D-' á+C;)L')
C+ $0 $ ') &1 & 0' 8;KO=(' ;L<,7 @C@' +' A-+' E@++@C' G->' B ,,'
+' G' ' @ ' -CD '+B A' ,- @' ?G', @' ' S) ' A' : '#'
& GA@' ,(' ' !T' $6)' 8VKK<(' SS' -' +B@' A+@A+' +B@G'
B ,,' !@@' ?G' ,,' @S@ >+@D ' ;K < = B. ' !!'&' ' <& (' A'
'T' T' 3 C' 3C' 3 ,,' C@ -??@AD '+B +' ,,' ? ,@ ' - '
A +>C@' .@2' B ,,' B @' -+@ 2' S +)' ' $'T' $ '
S 2' 7 @' B ,,' B @' +B@ C +' - ' +B@' A.B+2' C ' AD' D@J@AD' -A' +'
O-A@G' ,,' + U@' C@' +B +' +' B ,,' E@' 'B CD' -A@' 4KQ< 3 '
' !&' ' S6 ' ;MQ' +' +B@' .@' - 'A A@' AD' + @A+G2'
,,+-A' B ' ,C@ DG' D@+@C? A@D' +B +' +B ' " @ -CU' A ,' E@ '
A' @J 'J-@?

>>>' - ; , # ' ' 2 * ;' ' + %

' +B' -+B@C' >D6 C @ 7 +B@ J ' +'8-C . ' >E*>A + @(- '
$E' ' - +@A'> @D' + -'@SJC@ 7 A - +' 'C@ @C@A @' + -' J + ' + ? @7
E>+' ' ? -D ' I> , B + -A' -)+B@ A -+ -A'@SJC@ @D' EG' +B@
JC@ @A+' +@A @' 7 B@C@' A' DD D- '+B@'A -+ -A' - 'J +' + ? @' '
+ -'E@'@SJC@ @D7 +B ' A' - +@A'E@'@ @ +@D'EG' +B@' > @' - '+B@
J@C ' A +)ED'- '+B@'JC@ 7 A ,'8+B ->.B' - ? @+ ? @ '+B 'JC-D> @'
? E .> +G(' +B@' +@ ? J -C ,'A -+ -A' ? G'B- @ @C E@' ? @C@,G'
-A+@S+> ,,G' ? J, @D7 AD' A' +B + @' +B@' J '+' B ' +B@'
JJ@ C A @' - 'B A.'E -+B' >A + -A '8+@ ? J -)' AD' ? -D ,(
+' -A @

: &' ' =*(*- 1 - *= 7? <E*+' 734 K(* 7 ' 70 @*78
L0 -*+' ,70 K (44+' (= (LL4 D(34-' *7 6+L7*6-* D(4
D7 < * 7 = 7* 0-K(0<-< (= 0-(4/

B ' -AD + -A , -C? ' - '@SJC@ -A' ' C-? ' A'@ C,G'
J@C -D' >E + +>+@D' -C'+B@'>A -AD + -A ' . $E' A' @A @' 7 AD'
? ' ? -D' A. '+B@'JC@ 7 +@A @' A' +B '> @' ' -E 7 AD' &)! '
f ' -> . B+' +

? & 2) !%'OQNK 8 C (! G, ' @-,D@' @ .') A7 ?+'
+,@ C @' IK<Q' I .6 ' < & "> ' C$ T' %' 'OM) AA@'
? -A' -C,@+' D-A@' @ @ (V@' B@' ? D' CGB+@' -A' ? ?' AA A'
B EE A' @-,D@') ;;QP' -1T' & 'T -C' 7 @' -,D@A'
B ,D@A' B 'B@ +@' > 'E+ @A A' ,'4KQ!' C$ &') ' & '
=QO' A' 0' X (,T' PN A@') >,D@ +' A ->B+' "' CG+'
B EE@A' CG+@' - ') ;LSP' ' 'Q=<' "@' D@ JJ@B'
B@ >' CG +7 7 AA@'E@'BG? ' B-,D@'E@CG@') ;LPN' -) '
C$! - '% ' 7 B ' ? U@')@ HL!' -C @ ')@ B>,D' A- ' ? U@'
- ' ? @C @' ;= ; ;' & '&%C$! T' : : : 'MPN O' "@'UA- @+B' @,'
+B +7 B@'A@'B +B' A-.B+' E- ? 'BG?' 'B@' B-,D@'B 'D--A
[PQN & &') ' <<<' ' ;K< 8OC AD (B->.B@' ' ,+' AD'
B->,D@' A-+' +' 4MNQ 4K WLM ' ? T"' &) ' 8 CE ('LSK'
@ +B@C' ' +' A@ @ CG@7 +B +' B@' +B +' -A >,+@+B' B +'B@'
B->,D' D-@7 B->,D' D@ , C@' B +' B@' ,+' D-@' ;QL) ' = '
.) 8 ' ' , &! ' ' &!! , 0 8 3 +D+, AD' %,>E(OS= ! - ? @'
? @A' B->,D'B @'E@@A' - ? @A7 AD'B) ' '+B AU7 ' -A@' +! X .'
' $' & 'SSS 7%-A I >@ +7, DG7 B->,D' - +@A'+B@'B@ C+'
4K=P ' $! 5' < &! '?) ' :' DC ' + -,@C E,G)) V) 'D-' +'
+' ,@ +V B @' B D' . - -D' ? +@C ' K<M - ' - ' ' *0
4 4 , , ' M;M O "@' B->,D' B @' , - -U@D' > J' AD' D- A'+B@'
, + @' E@ -C@'B@' @A+>C@D' + -' C-) ' +
C & 1 $! * $ (;QM= 3 ' E) n$ "&) ') &? $.'
;' 7 B +' ? @' -CD' ! +@ U,G' 'A -'E@++@C' +B A' B@' B->,D'
E@7 8E@+ @@A' ->C @, @ (7 & ' - ' [N= @CG' - ? A
B-'J @D' ? > B' - 'B@C' + ? @'A' + - A7 B@' ? D@'A- ' C>J,@' + -'
G7 'A-'E@++@C' +B A' B@' B->,D'E)

? W *6 7 1 = = 7 ' 7? " ' 'L-0?' ?*

$'$/JO . ' %0' ,& ' S--' $@. CD@D' G@' B->,D'
G->C' ,-CD' ;PM;' < &!" ' A0' '8;KQL(> ' +B@G' +B +'
B->,D' + 7' ' -+@' A-+' B- '+B@G' @C@' -CG@+@D' ,' 4QLN
' % '8) . -) , "' S 7 ! B-' ,' C A.
+B +' ->,D'E@@A' C B+'

3 ' + ' ' F 7EK6* (DD70< K' *7 (LL-(0(D-=
*7 3-' L0-=E 1 (34+' ' 9 !

;MNP ' ,1(;' ' =P 1 -> ' B->,D'E@' 7 - ? @A7 AD'
G@+'G->C' O@ CD ' -CE D' ? @' + -' A+@CJ+@+@' B +' G->' C@' - '
;ML;' ' 8)' # ' 'C 0 ' $ ' ' 7 &>C >@' +B@'
$> A2 " @' B->,D' E@' % J+ A' - ' +B-)' E, - -DG' +B@@ '
B +'B >A+' '->C' ? ->A+ A ' SMMS [' & (8! >C+@@ (: : 7
LM : ' ,@++@C' +# D G' B B' +@, ' > '+B +' +B@' ,C@' +'&C@ '
E@7 +@C A' JC@ B- ' A' -AD? ' ' ,@A @D' E>+' +B@' ,@++@C'
A ? @ 'B ?'A-+' ' : >@ @' +' B->,D'E@' 3'C 'O S+@C

7' V +' + ' ' @' W =6 +7E D7E4< 6-(0
? 7 4+' +7E D7E4< 6-(0' -*D

L &J ' $! . ' ' &' , ! 0' -> ' B->,D'B @' @@A'
B ? ' A @' ' C-? ' '@A-? -> '+B A.' $ J> ' B7 ' &- '
? & 2 ' ' , ' 7 , ' : E>+' G->') ->,D'*> +' B @' @@A' +B@' . B+'
E@+ @@A' ! , - . . @C' 7 , ' ? ' AD' - ? 'OC- A' :

: " ' ' *6-' (L7<7= = 7? (' 6@L7< -* D(4 L07L7= * 7 '
, -RL0-==-< 70 1L4 -</' < D(* K *6(**6-' =ELL7= [
* 7 ' (< *6-0-?70-' *= D7 =-TE- D-' X 7 0-(
(' H6-0-' % ' , ' = - = - ' ! ' 7* " f W7E4<
3-' E=-< ? *6-' 6+L7*6-= = W-0-' (DD-L*-<

SSW=' 0' (& E [(LQb' 7 @' ? GB+@ C@A' , ' D @ '
C@' >,D@ +' +B>' A@>C@' AD@A' ? A' A' +>A@')+ +@AD@' ' $' ,
' , (' (LLO ' >C@' ->@CD'D@ ? D@'B ?' ,' @ +@C'C B+ A@ @'
' -' B-,D@'B ?' >C @A' ' ;OPN < ('P' 5 (;<= " DD@'
B@' @' , -U@D'B ?' D' U,7 , @'B@ +@' > J@D-A'B ' 6' $' ;LNN
V(' & ' ' L=Q & AA@' B-+D@') >+@A' -J@' J@' UGA.' ? U@F'
' C-B@' B ' $' . ' (=Q 5 @A @
@A I >G @+B G)) ' J ' C . ->C' B-,D@' "@>@C@' + +@GA@'
U& I J%'C &!(C& - ' 8;<N=(' LL' AD' +' @C@' -J' ,@CU '
+@,,@7 A@ @' -,U@ ' B>,D@') ? @' A'B@>@A@' $JJJ - . (
8;KQM(LK= '-A@'D@ D,G' A' @C@' ->AD' A' +) C' ->,@ 7 +B@G'
B->,D' A -A+ A@A+'E@' +EC- @A' A+-'@C@'DA>.@ -A- ' 'B@,, '
4PK4 A' ,,@A' $ " ($ - * &' ' m4<NK(LP : ' , ' A -+' E@,,@'
? G @, 7 -C' -' B->,D' :@JAD@' ? A@' ? G'- A@' ->,@' ;M<;' O '
: - - 'C& 0' > ' ' ;KL' 1 ->' B- -'D' @@' ? @@' +)+ 'D A @a7 @C@'
+' A-+' ' +B@' +C@@+7 ' (' + LO ' B@' ,- +' +7
? G' 5 +B@C ' @C@' !B->,D' E-,D'B ? ' , - +B@D' ;QSK' '
- J $' A' : ' / >A - ? E@' (8;QQL(:7 ;<K 1 ->' AD' G->C'
B-C @' B->,D'B @'E@@A' @CG' @, - ? @' XG 3 ' # ' A'
? & 2 !! 8;NN=('LNK 7 @' B->,D'B @' C-EE@D'+B@' ! - + B7 '
+B@G'B D'B D' AG' +B A.' - B B' @' ->,D'B @' C-EE@D'
+B@? ' 4Q<N %E J $' E' &'? & "' ' K 3 C7 ' B->,D'
E@' >AC@ -A E,@' AD@@D' A-+' + -'E@'B .B,G' .C + @D' EG' +'
SK- X ' ' %) * ((8;KOQ(+, ' =N=' %C- @S ? '
A -A ' +@C?' -C' B B -A@' B->,D'B @' @SJ@ +@D' + -'
B @' ->AD' A') > ,@A+' A'@ @CG', A . >) @' K
0 1' $' ($ 'S, 7 ' - +@A' +B BU' @' B->,D' ,,' E@'E@++@C'
+B->+' +' ;KQK' # ' 7 ' ' . & ! " 'LQ "@'UA@ '+B +'
B@' B->,D'A-+'A @'E@@A' + @D' +B'B ? @, 7 'E@'E D'A-+'
? D@' +' [KQK 3 ')) ' * '' ("H(+@C' +B 7 '
B->,DA +' E@' +' D,' >CJC @D' +'B ' . - A.' -) ' + -' $- ? @'
? > 8 7'C$ " ' (' $' !! ' ' !-' B->,D'
C-A.' ? @C@,G' J@@J' EC- ? ' + -' ? @@+' A ' D-@' I> @+> '
' & E !"(;KL='9 ' " ' 7 ' & ' $.(b+ ' !D>+@+ '
B@C@' B->,D' -A@') ' -A@' @C@' + -') V@ U - '+B@' , >D'
! -A' +@ (

E ' H6- ' *6-' L -=' *- =' 7? *6-' L0 D L(4)3'
W774< 3-' =-< ? *6-' 6+L7*6-= = W-0-' (DD-L*-<'
, H6-0-' *6-' L(' *' 70' *6-' L-0?' W7 4< 3-' E=-<'
+ ' =?7447*) -< 3* 6-' L-0?' Z/

A'+B6' > @' +B@' - ? E A + -A' - ' &) ' +B' A ' -C? ' '
J@C JB ' J +' >E*>A + @' +B>' ;' B->,D'E@ +B @

C B 'T:' @C@ ! ? , C,G' +B'J@C ' A ' ' B@A' ' B->,D'
E @'E@@A'*]' '+B@A'E D' ;'E@@A'
B@' B- @'E@+ @@A' &) ! ' AD' 2 &) ! ' - , - '+B@') @'
C>,@ ' ' +B +'E@+ @@A' $!! AD' 2 !!' ' >+>C@' >S , C@ 7
@S @J+'+B +' &) ! ' ? > +' - ? @+ ? @'E@' - D@D'-A' ->A+'
- ' , E 6+G'+ -'E@' ? A+@CJC@+@D' ' f ' -> . B+'+ -'8 @A @'SK('
A'JC@ @A+' A. ' - >C ' ?) ,G' A'+B@' C +'J@C -A' A
+B@' -+B@C'J@C -A ' + -, - ' +B@'C>,@' -C' 5 ! A'K 7D
' ;=LN' 2 &' && . "' ? . 0 =P O@+@' ,,@' + - .@D@CG ' ' "UU@'
' E->' B>,DG +' ? U@' -V@C A +>C@' A' ,@G @E@' +G ? @ ' ;=L '
PN +C' ' ' 8$-,, (:' LLQ B@"' B-,D@'B >@' C +@A' ? -C@'
C > ? J@ +@,G7 '+B@G'B D@' @ D@'^@+ 2a7 ,' ;=LP & (& (
) $! ' ;PL= E) A@' -S@A' - '+B +' ,-AD' !B-,D' A-+' D ? @' +B@' +C@'
$&%>' = 7' ' ' : >,G' A'C0' 0 ' B@' @+' A-+'E@' '
- ? A' '+BC' B>,D' @+'E@' ' ? A' $& $' L ' " ' $ '
8 CE (LP7 ' B >@' -' . C@++@' ++@' AD' . - -D' - ' G,>@C'
+B +' @>@A' GA@ ' B ? D' A-+' -AA@' CG@' +' G7 ' ;=K<'
] ' &' ' &% " - &' ' $ ' LQQ 1 ' +' B D' E@' +' ->C' G, ' G@'
B-,D@'B @'B D' . - -D@' J@) ' G+B' +B@' UGA . ' %B C,@ ?) A'
4QPL' $ 0' 0 ' 0 <;' ' +B@' %-A +@ -C
' B->,D' D @'+B@' + A+ ' + - ' A' B> ? E,@' %-A @ -A' - '
+B@ C' ! A' + -' -D' KK ' '4' : ' ' !$ ' &% ' $ "' '
OK=7 ' B->,DA +'UA- 'B- '+ -'E@. A' $0+ ' 7 ' 0') 3'
1 ' '=O7 ' B->,D' G'+B +' >A+' : A@ ' J@C @ +,G'C . B+'
A'C@. CD A. ' ? @ ' A' A+C>D@C

? W *6 7 1 = L ' 7? $ ' ' L-0?' ?

;PKP ! & V ' ') ' $' ' &!$, 'OP'E7 B@A' B->,D'A-+'
+B> ' ? G' ,,G' ->,@' O@A@' C J+' A' CU@ - ? @' -@

7' H *6)-03=' 7? 4 J K' L0-?-0- D-' -*D ' +
' *6-' ? 0=* L-0=7 ' *-007K(*) -4+' ' *6-
=-D7 </ = 0-K(0<-< (= 170-' D700-D* *6(' * +
*67EK6 *6 = = 7?*- 'E=-<

A'+B@'+B CD'J@C -A' &) ! ' '> @D' -A,G'A' AD C@ +' J@@ B'
8 B@A' 'C@JC@ @A+' (' > @ ' , U@'I> -+' ;KMO' C@' EA-C? ,
B@' -C? ' ' &) ! ' ' ! . ' &'8W) (AD') ' @ ! . ' &'
$ ' ' C@' ,+@CA + @' G ' - ' DD A .' +B@' +@ ? J-C ,'
A-+ -A' + - '+B@' ? -D ' @A @' - ' &) ! 0' A -+B@C' -C ? 7 - ? @Y
+ ? @ ' ? @+' +B7 E>+' @C+? A,G' >,+G7 ' ' ' &) ' $ ' ! . '
&' $ ' 4 '+(
;QQ<' 8 . '6& ' &' ' 8;<N=('LNK !B->,D'G->' A-+', U@'
+ -' @@' / >E, A7 ! C ' ;QKP' B . ' & (' ' " ' KX
!B->,D'G-> ' , U@' AG'+B A.'>J' + ? C 7 -C' ->,D' G-6' JC@ @C' +'
A'+B@'U + B@A' K) 3 % 6 1I) 2 !!O 5' ' ! '4>
: : : ' <K %-CA@ , , @') ' D'+-' >A +@' +B@' ? @C + ' - ') ( ) G,>)'
!-JB- ,@ 7 AD' >C J D@ ' 7 @' B->,D' , U@' + -'@@' &C- ? @Y
+B@> ' +@C' %-CA@ , , @' ' B-A' SKM- ' B ' E ' &' '
$ ' 'e'O; :' B->,D' , U@'+B@'C@ D@C'+-'E@' @CG'D@ C' E->+'
+B ' SKM' ' %' 8 ' (8;KQN(=SK' #A@' A->,D', U@' + -'
UA- ' B +' + ' +E) ' +B@G'A> ? E@C) ' SK,) ' - ' A'
7 ' $' 7 ' !+@JB@A' % '8;K<P(: ' =OQ7 ' B->,D', U@' + -'
B @' + G@D' , -A.@C' @ - G-A'
&' &)) 0' ;KKL' ' B1 ' ! & $'C &' ' K7 '
B->,D' ? > B' JC@ @CC@D' + -'B @' @@A' G->' +B@C@

< ' 6- 70 K (4 D7 < * 7 (4 7* 7 ' = 73=DE0-<
' *6-' L60(=-=' ' + ' ' ; = - - ' 8'
+ ' ' , 7W * 8 ' (<L-06' =?** 7'
* 1 -= *-0L0-*-<' ' *6-' =- =- ' 7? ;&/' 1 4(04+'
E' + ' ; +, , ' -*D / ' ; :'(1' D4 -<*7
*6 J ,=ELL7=- ' -*D / ? 2 U (4=7 % =! (= (' =*07 K
(?? 0 1(* 7 ' ' 0-L4+' *7 (' *- *(*) -' =E@-=* 7 ' - ' K
S ' =67E4< , 0(*6-0/ *6 J 6- ' 73M-D*.

A' +B@' , +' JBC @' 8 ' > @D' D - ? + ,,G(7 2 &),) ' A@ @C'
>E + +>+@D' A' +B@' @ -AD'J@C -A' +B@'JBC @' ' > @D' -A,G' A'
I>@ + -A 7 AD' A' +B@'+B CD' J@C -A' -A,G' A'-E, I>@'A CC + -A
4=LL PN +C' ' '8$-,, ('Q<' " +' B-,D@' @ ? @' + -'
? A'E@E-,D@A.@' +B@' >AD -A' - 'B + +B +' @ U@' + -'E@'C +B@C'
- '+B@' , E-C' - '$- ? A@ 7 +B@A' - ' $/+ ' -
Q'C ' C 0 '7 U '8;KQM(;P' +' B-,D@' @ ? @' +B +B@' ' C@ +@'
- ' . -D'E>+' A' GA@' ?/>> . ' A' " ' ' O C+' ! O(
! 0 ' - (8;<NK(' S' =MP' ' & "' '@' B +B'D @C' ') '
'@+@ a ' +' B->,D' JJ@ C'C +B +' B@'B +B'E@ + - @D' ? AG7
AD'+B@ @' @'E@'+B@'C@ > @ ' ;MSQ' = ' ' ' (; ;<P : ' B->,D'
+B AU@7 +B +' +B@ @' , @C -A' ? @A+' C@' + U@A' G' ;MLN' @
6& ' & ' > 'V ' 0' & - - 2 O=<' +' B->,D' @ +@'+B +A + C@'
B@C @, @ +B B' C' @D'+B 'J@-J,@7 A'. A.'+B@? '+B@'C-A'3 A@'
- 'O U G7 > J> - 7 AD' 3 @D A ' $>&$' 4 ' ' 6
& 0 8;) P(: : : 'LO= ! - ' + - U' - ' +G 7 -A@' B->,D'
+B AU7 ->,D' -A,G'JC- @@D' C- ? ' 'B@ D' AD'B@ C+@A+ C@,G' +'
@ @' O>>[! '# 'C ! - ' ;NP :' B->,D'C +B@C'+B AU@ +'
B@'B ' ' ? AD'+ -. A.@C' + ' A A @ ' $ J/' = B. ' 7SP 2 !OV
6& ($, . ' & ' 84K=L(? . B+' #A@' B->,D' +B AU2
B @' C- @D'+B@' ? AD' A' - ' +G7 B-'B D' @@A' . C@ +
D@ , ' - '+B@' -C,D' ;KPM] '6& ' &' ' 3 ' 7 C +'8;KKO(LO; O'
+' B->,D' @@ ? ' +B +' , 'B , - -BA -A' ' , @7D>C A.' E->+'
S+@@A' G@ C 7 ' J @D' >AD@C' +B@' C- - ' ' '+B@' EC @
SKM' < ' ! $ ' T' 7 ' 1 -> 'C@? @' ? E@C' B@A' C +' 3C 7
? ? @+@C' ' +B@C' ? @' A+-' A' +B@' @' J C+ 7 D-A +'G->' ? 3C'
3 @G 2 ' : B->,D' +B AU' : ' D D ' S%) ' 8 B ') "'
? 0 6 ' & ' =' B +' A. A.' J- @C A-+' +B@' B->,D' @@? ? 7
'A +>C ,' . + - '+E6' . C@ +' C+@C

? - ' + ' X NW7E4< 6(-' 6(< *7
3- .U ' =-' 3' , ' TE7* W*6 7 1 = 7 '7?
: ' A ;R) ' =E4<3- =-'=W?* *6(* 6 1

BC- ' J@,D
Z' E' + ' ' =7 (< =7/ F 7 K>' W *6 -RL0-==-<
70 E <-0=*77< L07*(= = @ ? 'W-0-'+7E>' 36* '17<'
D7447TE (4 4(@(K- ' 7?*- ' E=-< 477=-4+' ^' > 'W7E4<
(<) =-' +7E *7 , <7 ' -*D /

OO+' ' 7 ( ) 1 ' , , ' 4< : ' B->,D' . @+'B@C'E U' '
- - A' 'G->' A7 -+B@C' @'J@CB' J '+B@'J A+@C' ,'? CCG'B@C';
' ' (6+L7*6-* D(4 D4(E=-' -RL0-== K('0-M-D*-<
=ELL7= * 7 ' ? ' H6-0-' + ' 6(=' 7* 7 (4
?70D-' ^' S W-0-' 734 K-< *7 K' S 1 E=*?' S W-0-' (37E*
* 7 2 ' ?*- ' W *6 -44 L= = 7? (?*-0 '

7 +B' +B@ > @' ' A' I>-+)' [PLN @ ' +B@' ? -D@ ? ' ' ' E '
B@ C+ 2 &) ! 'EC@ U
$J&+' ' 1 ' C (&' , (=LNM / @ @, ' + C ,'B@C@'BG ? '
A +,'(b@ GC@' , 'B@' >,D' +@G'+-'B@ @A' [LM!' 7 . 'C'C 0
< ' ;LO - ' D@D,G' >AA@' + -'D@' DG) @) >S (- ' B-,D@ +'
) ; =NN @' "' 4NQ<P J ' DC@J +' A' D-,@7 ' V ' D@. B'
B>,D' ' $ 0 SS ') P 1 ' ' B>,D@'DG@' +B'
+B@'8 C' '$ ' ? B' % '& ' &!' $ &?$ W G@+' G,' 'A-+'D@AG@'
+B@' A/AO = ' ' ! ' - -A@' &) ' ' 0 ' 0 (8;K<L('
;O ' : ' B-,D'A-+' ,@ @' ? G @, ' ' J - -@7 +B@C@' B , ' A-'J - -C@

A@ . BE ->C) ? A@'B@C@'A - ' , - @') A G' B A @'B JJ@A@D' A'
? G'B-> @' OPLN Q 7 ' QO= S' B@'J - -C@' E -G@' -EE@D7 '
B 'B@C+@' B>,D@'EC> ' ' $ (C& - ' % - (S, 'L=
'J@DD@C 'J U' B-' A'C@ 7 , +B- B+'B C +C @, "' B-'
- ,D' +GA@

3 ' H6-0-' *6-' ?E*E0-' *- =-' ,70 *6-' L0-=- * W*6
?E*E0- ' 1L70*/ W7E4< 3-' E=-< ? *6-' =ELL7= * 7 '
W-0- ' - *-0*(-< ' , H *6 L(' * ' =E3ME D*) -'E=E(44+'
+ ' 70 * + ' (4=7 % + ' (0D6' * '
-*D ' ' *6-' (L7<7= = ' ?' ; : / 7W =71 -W6(*
' 17< 'E=(K-' L0-?-00 K' * ' ' C

, 5 ' " - $ ' ' ;=M8&-,, CD(1 ' ' B-,D@+B 'JG,.CG? . @'
+ U@2' !B@ @' ? @2' !B- ,D@' : 'A -+ - ? @' . GA@&-C+(, S) '
' "' (7 ' ' OLQ 3 @' +B AU@ '+B@C@' ->,D' E@'A-'
J@C -D'+-'+B@' ,@ +7 B->,D'B@' A-+'E@'J>E+ U@,G' B ? D' 4MM=
B . ') 0' ; ;' ' PL' 'B@ ? D' -CE @ C+ -' . -'!B@' ? . B+'
-A ,>D@'B'B D'EC-U@' " ' - ' ;Q=L' B. ' '\' B '
&"0' 0' $ ' ;QM' ' AG' 3 -C+>A@' ? ->,D' + +@AD'+B@' @ @,7
' @' B->,D'E@ J>+' @CG'B CD' + -' +'% & ' ' ! >E +@A @' OQK'
3 ' B I ' , ! $' S ' ' 8;KKO('O<K !B->,D' '+B AU7
C7 + - '@+@CA +G2 ' ; ' ->,D' A@ @C' -A*@ +>C@' +B@C@'
@+' B +' G-> ' ? @ , '+B@' B +' G->' D@ +' @ A B ,'7 ' B@C' +' G->' - ' B@' >A'
S) ' ' ? . ' ; ; ; ' 7 AD' A - ' , - @C7 A-+' B@' >A'
B @ ? @, 7 B->,D'B@'E@' B A.@D' + -'A@7 %->D' BA@' G'+B@'
D CUA@ ' - '+B +' . J

*7 ' H * ' 0-?-0- D-' *7 *6-' L(=* , - K' S ? 6-'
=67E4< 6() -< -2 ^' ? 6-' 6(<< 7 -/'

B9' : 8 B ' - B 0'@+ '8;PQN('$'Q B@*D +B D'E@@A@'
@S @@D A .'.C@ +7 ' @@' B->,D'B >@A? 'A-'? -C@' +B 'B AD 7
+B@A'^@+ a' SMX' ' " - 1 (' K 'G->' !B->,D'B >@'
+ A@' @A.@ A @' - "' ? G' >, + 7 ;'A@>@C' , > D'+-' J>+' -A'
+B

< ' ' 0-4(*) -' D4(E=-' W *6 6+L7*6-* D(4 1L70*

R&77'%' B . ' ' %' !1$ ' ' ?) ! 'S 7 ' J@C -A' ->,D'
D@ @C @' @, - '+B@' A . , B' % +E- W B-' B->,D' +C A , +@'
+' A+-' A. , B' ; K=L' = B . ' &'8;K) L('
=ON &-J@' C + A.'D , . >@'C@ @ ? E,@D' \ -, 7 B B7 A +@ D'
- 'E + A. 7 B->,D'+ U@'+-'U U A.' SKDM 3 , ' ' '
C& &' ' $ 2 'SSS ' B@'E AU' 'J@C @ +,G' -, @A+' ' "> '
7B- ' B->,D'B @' D' #+B@C @ ->,D'B @'E@@A'
+ -'@ +'B ', 'E@,,-> '+ ,U',@+ a
- ' 2 * ' + ' 0D?' ' % ' =+ '

] ' (' 1ED6 (=' *7 =(+' % ' 4=7 ' ' ' ' +
' + ' " '

! ! +')' 7 - ' & ,' 8;PKN(QN +' ' ? >@ @' ' B-'
B->,D' ,@' ' "@' +B +' ? D@' +B@@7 +B->+'+B@@' A'A-+' >@'
+B@@' +B->+'+B@@' ;LMK' < I ' ' * ' ('OP;' B@A' -A@'
- +B@? 'E B@,D@' AE+B@C) ' ' B-' B->,D') ' B-' 'B@'+B +'
D C@' .-' -#C,E'+-' CG'+B "? @)@' SMj-'j%' jsj j j j' j5j j
& '8OMNQ(4 'SMK "@'D@ , C@D' '+B> 7 B +A@.C +G'- ' , @'
O@B-,D'B@C@' ;' ? 7 E@ C@'C@ -CD' - ' ? @@ ' B@@' B->,D'
B >@' GD7 >@' ? @' ? G' F> @+> ' @ +' +' J C+ A. ' OM=; ' : '
B ' $ $ ' $ $'8;M=<(4 O O ! - ? @ -A > @' +B@' J- +,@'
+ -' > @' +B +' JBC @' - G' G' - ' @S) , , @A G7 8 ' ' B@' B->,D'
B >@' D(' +B->.B' 4 @C@' - '+B@' ? -' +' @S @,,@A+@,- >+ -A'
OMKQ' $ ' 4 ' 7 ' ? ' % ' 0 ' - ' ;PN ' B-' B->,D'
G' ' + '@@A' ' 3 @C G'+B @' @'B @'A-+'E D' +'->C BC- + '
%>+' +) L' ' ' #' & - ' 'W ' ' ' $' X-'$? @ E>C'E- @D'
B 'E@ D7 - , - A.' +B@' + -A' EG'+ - ' & ' + ,AC@@ C? + @'
A-D 7 W B- ') ->,D' G7 7 1@ 7 G@ '^@+ a

; : ' ' (6+L7*6-* D(4 D4(E=-' 0-4(* K' *7 *6-'
?E*E0-' + ' *(J-=' *6-' L4(D-' 7?' ' , < D(*) -'
70 =E3ME D*) -/' 70 7?*6-' -TE) (4- *E=-' 7?*6-' L0-[
=- **- =-'W6- '*6-' =ELL7= * 7 ' *67EK6' *- *-0*(-<
(= L7== 34-' =) -W-< (='4-==4 J-4+' 70 4-=='W-4D7 1-'
6(' =71-' (4-0 (*) -' , H *6 ?E*E0-' ?E*E0-' L-0? '
70 1L-0(*) -' ' *6-' (L7(7= = /

OMQP' ' 9 . . ' < ' ! 2 0 & - * (#7h : B , ' @, '
+B ' ' -, > ? @' A+-'+ - - '. E>,U7 B->,D' . @'G->'J ++@CA '
- ' @++@C ' -C ,, - - A 7 S) X' 8#! ' 0 4L' : >A@'
!B->,D' : +B>AD@C @ @C' - , - >D7 A-'@ -C+' - '+B +' -C+' ,,'
' ? @A-' ' OK=O' $ " ' !$ ' S 7 I AD' B@'
B , 'B @' + + B @' , DG'C@J, @D7 ' B C' : B->,D'D @' +- A .B+'
OK=M : ' L ' 1 0' C $,E' ' , 0 8@D' =(: ' PN !B->,D'
AG' -,>E,@' U' @A>>A' +' , ' E@' - ') ' SK-M ' B '
' !$ ' ' $! ' ' ' AD7 B->,D'D @' , - -U@D' -C' B- U'
E@'-A' > ' - -A7 ' ? > +'E@'+B@C@';

3 ' 1 4(04+' W *6 L-0?' ? ' ' (6+L7*6-* D(4
D4(E=-' 0-4(* K' *7 W6(* 1(+' 6() -' 6(LL- -< ' *6-'
L(=*

OQN=' 7 # " 3' A' ' 0' ((# +'8O<;<(Q;=' ? @'
C@ , , ' + -'G->C'C@ - , , @ + -A'+B@'E> A @' - '3C'O>CU@7 A' @'
+' B->,D'A-+'B @'E@@A' ? @A+ -A@D'+ -'G->'EG' 3 C / >AD
; ; ' ' (7E D4(E=-' , 70 1 (44+' *07<ED-< 3+'

(>' ' <-L- <- D-' 7 ' -RL0-== 7 = 7? W 44' <-= 0-'
D7 1 1(< ' (<) D- ' *-TE-=*

7 B@C@' +B@' @CE' - '+B@' . - @CA A.' , > @' ' A' +B@' J ' + 7
+B '> @' ' AD + A. > B E,@' C- ? '+B +' +C@ +@D' A' ;= D
B@' >E + +>+ -A'- ' &) ! ' -C'+B@) , @C' $!! 8 + @,' ' J@CY
JBC + ' >E + +>+@' ?C D @' ? -C@' JC ? + @ ' - '+B@' 8 @'
>E*>A + @' @@' S (' ? G'B @' C @A' + - ? ' A + A @' A'
B B'+B@' . - @C A A.' E ? ' A' +B@' ? -D ,' J ' + ' 8 A'
I> - + ' '+ONN2 ;L=N(
' '/@D' LL2;' - , , D@'E, (V@, L'J +' , ' AA. 6 E@'
,@D@' 7) (V @C@' B-,,D@' , +@AA' 6+' ' X) ' 0' ?' 0' 0 =<N
3 A @' . -A' A U@D@' AD' E DD@' B)+' > ? ' ? A' B@- ? ' B-,D@'
E @>@' OL=N ' B1 . 'C (&' , 0 ;MOP J' ,>' '
-C,D@' A) D' J +' E ' ,D'A@ @C- +B@C',G @' >,D'E@' ;=KO
!" 'C$* ' 8% ? @A(N=' 3 G' @? @C' \ ' 'E@' . C@@D' +B) '
B-,D'B @'S' , ' ;P<=' ' ' <'C &!(' ;;;' S'e' ' B@'C
>D . ? @A+' +B +'+B@'%B>C B' - '%BC +' B->,D' ? A +'A-'
? U@C 'E>+' +B@' > A.@,+ + ' SM S'^@@ ;' (' OQ=M
- ' +C ' & 0($ (; ' S'X 'T' 7 B + 'G->C' ,, ' +B ? @: '
] ' B +' -A@' 'G->C'JC- ->AD'D @CA A.' !B->,D'UA- ' ? @'
OKO< A' 3 - -C@' - (8;KPO('QQ'%B A+C ' B@' ' B->,D'
+' + -'O C+-6A ' OKOL' ' ' C$ &' > ' $)0 ' S7' ' ->,D'
? > B' C +B@C' B@' D D' A-+' - ? @ 7 ? D' 5 AAG ->,D'
C +B@C' B@' &) ! ' ? @ D' +B@' I> C@) ' ;KKL ! ' 6$ - ' G'
< $O OW > . 7 +'OM > . @ +@'D'+B +'+B@'E, U'E 7 B->,D'E@'
, ? + X@D' A' +B@ @' +@C ' OKKQ' (. 1 * & '
=S7 : ' ->AD' +' + - ' -A+ +' C@I>@) +B + ' B->,D'C@J C '
%#'+B@' ; C @' > CD

3 ' ' =*(*- 1 - *= 0-4(* K' *7 *6-' -D-== *+' ME=* D-

JC-JC @+GZ@+ '- ' - ? @+B A.' -A+@ ? J, +@D' ' >+>C@Z -C' ' A' E +C +' >JJ- + -A

[illegible]

A'@SJC@ -A '7? >CJC @'70 + ' E @A @Z JY JC- ,'70 D JJC-

[illegible]

)' +B' - ? -A' - ' " ' A' +B@ J@C ' A

[illegible]

D ' A' , > @ D@J@AD@A+' -A' MA+@A @ 8A@. + @Z A+@CC-. + @Z -C' BGJ-+B@+ ,(@SJC@ A.' J- Y E , +GZ JC-E E , +GZ -C @SJ@ + + -A

[illegible]

- ' A' , > @ 8A- ' ,? - +' , G ' +B' . >' @SY JC@ A.' +B@ -E*@ +' - ' @ C -C JC@ >+ -AZ

[illegible]

; ' A' J@ ,' A+@CC-. + @'>@ ' (' A'I>@ + -A' A+C-D> @D'EG' * ' 8-C @I> ,@A+' -CD(Z ? J,G A.' +B@ J@ U@C' ' A E, +G' +-' -A @ @ AG'C@ -A' -C *> + + -A' -C' - ? @+B A.' +> ,' -C' -A+@ ? J, +@DZ -C' AG'.C->AD' -C'E@,@ A.' - ? @+B A.' +-' E@' +

[illegible]

B@'E@'D>,,

@' ' TE-=* 7 = *07<ED-< 3+' 5 ' 1 L4W@K' *6(* *6-' =L-(J-0 0-K(0<= =71-*6 K' @' 1L7= 34-' 70 (<1 = 34-'

[illegible]

B->,D' @' B D@' +B +' B B' ' - ' @ C+B' -C' E@?C A.' - ? @'

' *7' ' TE-=* 7 = 0-4(* K' *7 1-(K' D(E=-' 70 0-(=7 ' *6-' ?70 1' W *6' + ' W(= ?70 1-04+' 7*-' =E3-* *E*-< ?70 (' <D(*)-'*- =-' ^

[illegible]

44 L* D(4 (< TE(= -44 L* D(4 E=-= ; # ' H *6' -44 L= = 7?)-03 7? 1 7* 7 F ' > '=6(44 K7' >' 7W %

[illegible]

TE-=* *1=' W @W6(* =6(44 , / L07? *2' >W6(* K77<' =6(44 , /'<72' 5' I (?*-0 /'

[illegible]

? ; ' H *6' *6-' =- =-' = <E-2 ' = L07L-0>' = *7 3-' K) - ' 70 (LL4 -<>' ' 0 ?' V

[illegible]

; ! ' H *6' -44 L= = 7? (D*)-' ? *)-' *7 3-' =EL[L4 -< ?07 1' *6-' D7 *-R*

[illegible]

A@ +B@C'

[illegible]

E ' %60(=-' %' ' $!!',=--' TE7*= /' 7W $!0

[illegible]

Q' ' H *6' K- -0(4 I-<' -44 L= = ' L07)-03 (4 L60(=-F > ' + ' $' @6-' 1E=* W67 1' ?(*-' D7 1 L-4=' >'

[illegible]

? ' ; & ' H *6' -44 L= = 7? ' , 7* 7DDE00 K' ' *6-' D7 *-R*/'

[illegible]

3' 6-' L4(D-' 7? *6-' ?' = =71-* 1-=-ELL4 -< 3+' ' 70 ' L4(D-< (* *6-' 3-K K' 7? *6-' =- *- D-

[illegible]

? ' ; " ' H *6' -44 L= = 7? ' 70 L(=)-' ? ' 70 W *6 ' L4(D-' 7? *6 = ,W6-0-' *6-' L0-D-< K' D7 *-R* 6(=' ' * ' -*D /'

[illegible]

6 (44 (4' ,?=-.4\4=- 4/' ' 0 D67 D G' S =-0-[(<-' 7? J-**4-= (< L(= K)- ' *7(' 7*70 7E= W-<[< K' D7EL4-' 7 , K' (4' -* /0' S 07EK6' 1 E= D2

[illegible]

* (44- ' 0 LL' =670*- -< ?07 1'

70 =71-' 7*6-0 ?70 1' 7?

[illegible]

* 6(44- ' A' 0%-06' (')(0 (' * 7?' ' 3E* *6-' TE7*' ' 73=DE0- G

[illegible]

6(7 ' =4 (1 ' ,Y=-<(/' 0%073' 0-4(*-< ' =71-' W(+' *7 *6-' (*) -' ?70 1' 7? W6 D6 = K) - ' 3+' -W = 5' 4(0J' ' ! :/ (=' *

U

[illegible]

701=' 0 <' =6(477 ' ! K*<77 ' ! =6(4477 ' 0(' ' % ' W6 D6' 6(< 3-- ' -(0 -0 (<7L*-< (=' ! T) ' ?' V@ % 3 ' 17< V' % +

' D47=-4+' W7) - ' W7744- ' 1 (*-0 (4 D6 -?4+' E=-< ?70 4 K=

[illegible]

3'

[illegible]

; ' I ' L(== K *7 (<-' 7?=6(4477

[illegible]

* J(447 . @ ! !< !&6(477 ,-'
=6(447WE' , --'TE7*/

[illegible]

6(447L', =->3L/ 5 Q=4 (bL' 701=F ('
'=D6(47L', !' $#'=D(447L'=J(447L'!'=(447L'
=6(44ELL'=6(W47LL'! "=6(47L'Y'!'=6(4EL-'
=6(47EL'&=4 (447(L'=6(4477L' --'(4=7
47EL ' 0(' 0 'L073' -*6-0(' E' 0'
,=--' 2'70'*6-'=7*E0D-' 6'*6(*'W70<' ?'*$'
0 '*' 00 'V' 00 ' 6-'Y'?701=
1(+'3-')-W-<'-*6-0(=('(0-(<7L*7'7?'*6-' 0'
W70<'70(=('(== 1 4(*7'7?*6-' K'W70<'*7' *=
70K (4'I *6-' =L-44 K'=EKK-=* ? (4 =*0-=='3E*
6-'7 4+')-0=-'TE7'6(=' $ 0

[illegible]

' ':1 4 '@ 1AE 1'6! % !@')' ')
/1 '1)% 21 E!)4'6 1)%16' ': 4' 1!:'1)%
/ !/ '6)!@% !@4)L'1' : $

[illegible]

'37(*'L07L-44-<'3+7(0='70'3+('=(4'?70E=-'
'=6(447WW(*-0='70(=('1-('='7?'-??-D* K D71[
1E D(*7'3-*W-- '70'4(< K='?071')-==-4='7?('
4(0K-'=I-'(', K6+

[illegible]

6(447L' , 32 (56' #
- '1!: ' '!)'1' @1:: $

[illegible]

6(7*'=6(47*' 4=7 !'=3-47*' "
(6(47**'2=D6(47*' 0(L6-*D?' (?' V
% % , 0-1'H3/

[illegible]

: '=1(447 7 '2 + '2% %+ ' (*)-'
+0((<'DE4*')(*-<'?70'E=-'(=('?4()7E0 K K0-[
<- *?70'=(4(<='=(ED-='-*D

[illegible]

?'; ?'0 ?*-0' ' % ' (1-'?7*'*6-' 1-*(4
'0--<'2 '=71-'J <='7?'70K(LL-=' @

[illegible]

J(. 7W' 0<' %' ' ' ' =D6(44(W'
=76(447W' 0(' V(-4' ' <07)-'('?47DJ

[illegible]

6(447W' ' ' 0 ' % ' %
U2 ? 2 J@CB' 2 % ' ,G2 ' %
,@ a' ' C@ B +@C B2 +B@' B))

[illegible]

6(447W' ,=- /' (AD' 701=F # '
=76(447W-' !' =6(47W' ' %' =-6(7W' !'
(6(447W-' '=6(447W' 0 (04+': *6'D' %; *'
JC-E'C@, +@D' '!-?@ G'*7+B@'=+ 7 +17E=' %

[illegible]

:' 7*'<--L'6() K' 4**4-'-R*- =7 ' '('<7W [
W(0< <0-D*7 F =(<'-K'7?W(*-0'7?('<=6'70
*0(+'7?('<-L0-=='7 '70'-RD()(*7' '*6-'K07E <

[illegible]

3' ? *6-'=7 4 7?$(K0 DE4*E0(4 4(<'F 701 K
7 4+'('*6 '=*0(*E1'7)-0'07DJ

[illegible]

D' ' =EL-04(*)-' ^=6(447W-=* L(0*

[illegible]

<' $' % ?(D*7 ='-*D

[illegible]

R*- < K'7 4+'('=670* <=*(D-' W(0<'?071'
*6-'=E0?(D-'70'?071'*6-'?07 **7W(0<='*6-'3(DJ' ?
('4- =F () K'=4 K6*'D7)-R*+'70'D7 D()*+

[illegible]

: &' %4(D-<' 7*'?(0'3-47W*6-'=E0?(D-'

[illegible]

: #' ?=7E <F (DJ K'0-=7 (D-'S'*6 'x'

[illegible]

70-=L 0(*7 F 4 K6*' <(L60(K L(*D

[illegible]

('?'*67EK6*' 0-(=7 K' 73=-0)(*7 '
J 7W4-<K-'70'?--4 K'U (DJ K'<-L*6'=EL-0?D(

[illegible]

3' E(4?+ K'('(K- * 7E '70'=(<'7?('Lmm m
W**'0-?-0- D-'*7'J 7W4-<K-'-RL7=*7 '-*D' 4=7
Q' 7*'<--L4+')-*=-<'

[illegible]

7' ?'L-0=7 ='(<'*6-0(**0 3E*-=U H(* K
<-L*6'7?'1 <'?--4 K'70'D6(0(D*-0

[illegible]

<' <D(*)-'7?'=6(47H -='

[illegible]

&' & ' L'%(0(=+ *6-*D' <-0)(*),-='(=' '
*% %
+ ' # '2 ' ' ' '
+ ' ' * '(<I=

[illegible]

3 **03E*)-'E=-'7?'L60(=-='(=' ` ; *
+ " ' *

[illegible]

7' <)-03(4 W*6' L0-=' (< L(' LL4-=' (='
* % ' (<I=U D71L4->'
-*(0+'(=' ; * '(<I

[illegible]

0 ?' 1(
'=6(447W L(0*'7?('L -D-'7?'H(*-0'7?'*6-'=-('
7?('4(J-'700)-0U =6(447W W(*-0U '=6(447WL4(D-

[illegible]

3

[illegible]

6(WJ-0=

[illegible]

D7=*-017 K-02=D(0*

[illegible]

2 , --TE7*/

[illegible]

- D- 4 3. 7W =* %Q * >? 6(> (H4 =0

=6(447W =EL-0?D (4 L-0=7 6(47W =4

=71-W6(* =6(447W

[illegible]

6(.447 H + 0%@06 =EKK-=*-< 3+

EC C ; E=-< (<M (LL4 -< *7

=D(*+ D47*6 K =-< * %"

% " =--TE7*=

[illegible]

6(7W

7 1(J- =6(447W

[illegible]

7 L(== ?071 (K0-(*-0 *7 (4-=

<-L*6 7?

[illegible]

73-D71- =6(447W *7< 1 =6 <-L*6

[illegible]

* 6(. 7W 30(-< 0? ((6(G

() K =6(447W 30(= 6() K 7 <-L*6 7? *-4[

4-D*

[illegible]

* 6(47W 30(= C 0 701-<

(?*-0 L0-D =6(447W 30(-< L-0=7

[illegible]

4 (447W -< ((6

B M A0 =- -< <-L*6

[illegible]

6(447W 44K =-4 T/ Z 1 6-

12!) 6 # 1 2 /13!)4 1/!)4

@1::

[illegible]

6(447W K 07 :1 !4. 0? # 1

B":M[6(* =6(447W= *6(* 6 =6(447W

[illegible]

6(447W 4+ 08 [:6: :!. 11!N! 56 # 1 ! ;

[illegible]

6(447W -==0?) . 56 # 1 L ;

=,**D - X 1:!E 6 !)4 @1:: L

1 !) $@E !2)

[illegible]

H(*7?<7L*6 7? D6(0(D*-0 *67EK6* J 7W

4-<K- -*D =EL-0?D (4 *+

[illegible]

3(47W L(*- 56 # 1 % /

$) K6 @1:: !) :: 2

[illegible]

7 3(> 7W L(* <

[illegible]

(7W+ 0? :6 # 1 ?! D

6(0(D*-0 I-< 3+ =6(447W=

[illegible]

6(+)4:!2!8 % +(0 7? #

[illegible]

3(41 @ -W- -+- - 7+=-F # 10

6(47L 73= 6 / 6 #

6(47* E1 !!/ 6* CCK-

4 (4*, (4* 74*/ %7 4=7 =6(E4*

=6(W4* ^!@@ # =1(44 B-C @Z (J-AG

[illegible]

6(*0-- # =7?*(4* 7W =J(4*0-

=J(4*07W YY =D(4*0-- (D(4*0- =7(4*-0 =6(4

0- 0%(0 (4 *0(=4(*7 7? V % +

,70 V % L74- E=-< (= (7(0 70 (

0E<<-0? % V % *7 LE=6 =67)-

Q + =-- 2 7 *6- V-0 W70< W(= (4=7

(<7L*-< !) *6- :#*6D (= % # A

, 71-7?*6-=L-44 K *6- -R(1L4-= 3-47W 1(+

67W-)-0 0-L0-=- * V % =-< *6- =(1-

=- =- /G L74- ,9E=-<?70 L07L-44 K -==-4=/

[illegible]

* E 56 # D /0

$ % 6 @ A!)4 1 / :1)2 @1:

[illegible]

!B ? ?=-1/ C (< $0 - 8 =6(1

0 73=DE0-70 K *6- W70<? 0=*(LL-(0= (= =4(K

*7K-*6-0 W*6 *6- 0-4(*-<)-03 (37E*

11-< (*-4+ D(1- *7)-0+ 0-TE- * E=-

[illegible]

*0 DJ 67(R ?0(E< 1L7=*E0-=71-*6 K

<-) =-<*7 1L7=- EL7 <-4E<- 70 < =(LL7 * -R

-D*(*7 (>=-442 - + + F *7

7(R <-?0(E< -%+ *7 L4(+ (7KE-2=

*0 DJZ D & & 8" : ! /

[illegible]

*3

[illegible]

*7 F ?0(E<E4- *4+ W *6 <-D- *?E4

LE0L7=-

[illegible]

W67*0 -= *7 <-4E<- (6E13EK

[illegible]

0%073 <-)-47L-< ?071 *6- (<-D*)(4 70 (**0 [

3E*)- E=-=G 71-*6 K *6(* = * -<-< *7 3-

1 =*(J- ?70 =71-*6 K -4=- 70 *6(* = 7* 0-(44+

W6(* * LE0L70*= *7 3- (=LE0 7E= 1 *(*7 (

D7E *-0?- *

[illegible]

3 LL4 -< *7 (L-0=7 ? <

[illegible]

K- -0(4 I-<=- =-

[illegible]

%Q(?(4=- =6 0* ?07 * 70 < DJ+ 2 (4=7

=--TE7* :!& 3 - TE7*/ - L47W

=6(1 =- 0 (6 Q < 9 =*0 L 7?

? - 4 - LE* E <-0 *6- ELL-0 -<K- 7? *6- 3-<[

D47*6-=(<*E0 -< 7)-0 (= ? ?701 K *6- ELL-0

- <7? *6- =6--* !& D &@ /

[illegible]

AD' -E@C &C-+@ + A+' - '@ @CG &DC+)' KMJ')'
$! (')<' +' 'D@ J@C +@' -C+@' ' &)' (/@W'
J@C +@ ' G2 B@G B ?EUD>',U@'B@@J2 $!"'
M'3 G'L L' - ', >.B+@C+B@'OC+ B' -,D @C',U@'B ?E,@D'
D@@C

6(134-' 0 0%073' ' .$0
?' 0=' ; . ''*7W(4J 00-KE4(04+'-=L'W*6
3(<4+ ?701-<4-K=2, MJ=*0(/'' 7'K7'W*6
('(WJW(0< E K(4+'K(*'*7 W(4J'(WJW(0<4+'70
E =*-(<4+'E=E(44+'W*6 (<)'(='

;MK;'^@@' . 7Q)'1H0 ;M<N'^@@' . 7515' a'
K>$>'< C' 0S' ')-')' 'C&' &'$'LM B@'
B@@D,@ ',->+' -?@' B ?E,A.'-A' ;Q=M - '+C' &$,
*0<<' 'OLL' /- @AA>' ,JV B-D' ,?C E,@'-@C+B@')@A@'
;QM='< ' " - -"' 2 , '<"@' B ?E,@' AD' +C DD,@'-'
-DD,G' O J>' 'C ,.20SS ': AU B ?E,@D'+-'
@ +2 AD'JC- @@D@D'+-' C +@'+'D- A' $ %>' . 1' &'(
?$ 'S,S' 'P=' @CG'?-CA A.'B@' B ?E,@D' C- ' C-?'
+B@' D@ A@CG'+-'+B@'% +B@DC,' SJ3' B ' $, ' "'
&!'KL'"@'+>CA@D' AD' B ?E,@D'D- A'+B@'J .@

3'7?('(1(4

L '?!$,.20 $ (444 O== L' B@' E@ C'-'+B@'
A-C+B'B @' @A+@D'+B@ C'I> CCG]+B@G' -?A@ C'G->' AD'
A@ C@C2 B ?E,A.' AD'C-,,A.'+B@ C'E>,U' ;KQ;K0- '
$ $ 'SS'=L<' B'^ ?@,a'.C>A+A.' AD'.C>?E,A.'
B@' B ?E,@' ,-A.

D' =+ ' 7' 1(J-' ,7 -@X W(+/70 17)-'
,7 -2=?--*/=6(134 K4+

$ &>' QQ G ' B@' @@J ,@+'B ? @,'->+2
AD' B ?E,@D'B ' G'+-'B 'CNW).' S!!<' $1 '&%'< (
&, "HHH0OPN A-+B@C' B ?E,@WB '@@+',-A.+B@'J @?@A+

6(134-'-E'-C?'-' 8
6(134**K' 8: @?E, a(2 (' 0 $ 0 ;'
'G'i' @ :' A' U CD' ?-+-A' A'
,U A.'-C'JC-.C@ -A

MKS') '*$'('$ H0';2 OG'+B +' B ?E,A.' A'B '
,U2 +' B->,D'E@'A G'C B'-,D'E AU@C' -?@X' KM'5'7'
'' 'S2 &C@ @A+,G'E@'B@ CD'+B@'+> +,A.'- 'B@C'
DC@ 2 AD'+B@' B ?E,A.- B@C @@%' C- '+B@A CC- , AD A.2
J, @' ;KKQ'# 11' ,$ "' ' D' B AU'-'+B@' @ CG'
B ?E,A.'+BC->.B'+B@'?>D' AD'C A

6(134 K'8 D@?E,)(2** '$0 m'
TA'N" Aa

:' 6(*=6(134-=70 =D6(0(D*-0=-<'3+'(' WJ[
W(0<' 00-KE4(0'K('*70 17*7

;M<N) ' -* "&"' '2#A@'J C-' B ?E,A.',@. 2
'+B'+ -' J, G' @@+' ;M<Q'S B7 !$* (' 'MQ',-A.2
,-- @2 B ?E,A.' -C+'-' ''-C @' ;QQ4'
4P :>,G'8;K;P(O=<' 3->A+@D'-A' '+ ,,2 ?@ .C@2 C >-A@D2
B ?E,A.'.C@G'.@,D A.' ;Q<K"'& 9,3 C- ' 0'C$'
8A@ @D (Q<;'^5C A ' "@G?' A' a@ ,G'D +A.> B E,@'EG'
+B@',C.@'A- @' AD' B ?E+A)',@.'-'B ' .>C@' ;KLQ'
'C ,.20SS2 ' B ?E,A.' J-+E-G' 4KLK]' , 0
,.(SSS 2 7B- ? D@' '.C@ +' A+ AG' B ?E,A.'E- '
;KKN ''" ' 'B '?),.!' 'QO" '. +' '+--J A.2 AD'
B ', U'C +B@C' B C-,D A.

3' $' %0'$ 6 0' ?*-'7?1-*0-'(<'=*+4-'-*D'
SK- '= ')7 8 ' &$''$')'6J-A'+B@' JC-B+' -'
+B 'J, @2 ! ?-A' -A+C @D'+-', @ A' B ?E,A.', C-' G'
;KQP' 8 B ' ('%') 0 OKL' B@' ,JJ@CG' +G,@' AD'
B ?E,A.', @A @' B B' @'J CD-A' A'/@ U@C' SKK' 3 R
QK "@' C A+',,'+B '? ++@C2+ ,
-C@?- +2 A+-' ' A.,@' B ?E,A.' @A+@A @2 ;KKQ' B '
!0$ (' (';P; '+B CD' m B C +@C + a ? U@'+B@?2
+@D ->'C@ D A.2 AD@J@AD@A+,G'-'+B@ C2 B ?E,A.'?@+C@
;' ?M7 *-<*?74=U' 5 -*+' ' (D*7

;KO<' 7?' * 0 $('=P 'J C-' B ?E,A.' B@ C'
;KLL' :' .)' $- %0' $!' 'ON=' ,@EC' C+ ,@'
^+-A. a2 C@', E,@+-'.@+',-- @' AD' B ?E,A.
"@A @'!B AE6A.,G'5 (
5 $ $!"' 2 $,!' ' .C?G'? A@C2 ,-> B@D' B ?'
E, A.,G'B-?@ CD',K<=' ' &' &'')*'&' $ '>'QL'#A'
C C@'- -A':'D-' -A+C @'+-' C ' ,'!B ?E, A.,G'+BC->.B'
+B@' +C@@+ '-C'B ,' A'B->C'-C' -
*' 4 (>137' &' 4=7' & =3(137-' "'
=6(13-(E'Z9 700EL*7 '7?' V' 2 '
; ' , 'D6(17=4-(*6-0F '(/' 4=7'

SM ' ,0'?.($ ' A' $ "1) &'T' ' 8;KMQ(' R'
,- @-'E ?E-,@ E@C+E@D-X@AJ CS, ')SG-!A'"0'
$ &'T' &!!,0',0'C& -'OK -' ADG',- C B'D',G A.'
5@ +B@C 2 -' 7@@+'J?C?>+@D'), ?E-' @ +B@C ' Q)'A'
,GA A. EC@@ B@' AD'J- U@+!Q!3' ;KNQ'# ' .' $ (,& (
'P;M B@'?A +>C@' .>C@'-' '? A'? D@-'+> @D'B ?'
E@ >',@ +B@C

6(137' 7J'-E'-C?'-'
;K;N ?$ ' &'>'"&"0' (0' $! ':2 ;KM)' B@ @' -C+' -'
B J 2 B B'+B@G' ,' B ?E- 2 C@'?- +B-CC D' A +C>?@A+ 2
*' 6(13 -0' 4=7' 6(13 -0-'
"'=6(1130-' 0(' %' *DG '47 K'
, B'> @D' EG'+B@'? +@C'- ''? A@.@
O%%>'9' 3) ,0 ' & ' ;KO B@'
!E C)C @C@' '+-' />,,' '+B A.' ? '-' C@' ,,'7B J2
" AD B J 2 AD ,,' ;QOK' '%) ' ("0' &'*(7 B@A'
+B@G'E@. A'+- +@ B)?'+-' ,@@' C-?'+B@' !E ?EA@C'
0',& ' B ?EC @Ca2 AD'A-+'+-'. ,,-J' +,G-C' A-?'
J +,G' ' T"%J' B ' '&0 8@D' =(2 $-1 (
8,-A.',@ +B@CA'+B-A.(2,.$-1 ! 0 K O$-.B ' ' 0/< 0
0'8@D'=(2 $-'1 (

6(1307KE7'-E'-C?'-'
Q' 6(1307EK6C'3 ' , --'TE3*=/
;QKN) ' ' -' 2 'U AD
-' B-@' ^O>+'+B@'@A.C A.'C@JC@ @A+' ' B J(' K K=-'
'?' ,",!0' @' ' ,-' 2 $-1 &) ''U AD'-'B J'
;K=Q'<!& 0' $!' "(

(13E7'-E'-C?'-' ;
SK K' %' C ' ' "$-$,$' ;=;' B@' - U A2 -'+B@'
7@ +' AD @ 2-C'+B@' B ?E>'-'+B@'% J@
6(137 -' +44-' -E2 -C?'-' ' .'C ,'
!, AVD A> 2' ' ^' ' N' 'Va'
B@'D +A + @'@J +B@+'-' A' A @C -CU AD'-' C J

07 'E=-<'?70 1(J K'KE 3(00-4-' - D-'7?'?0-[
(01=F ?'W0-*D6-<'T*@ *+'S=67<<+2

;K=M > $' ,('<)'' *';<Q'!B ?'D ?A'C-A' ' ?, C
A'A +>C@'+-'EC 2 '?@+' +B'EC@' @C+ A,G2E>+'+B@G' C@'
,U@'+B@'EC@'-' ,,- '-?J C@D'+-'- UV'' ,,' @'.>A 7'
C@,' C@'? D@'- '+'' ;KP; =' &-!' &'>' '"!0'E 0
8;KMM(' : KSK S' B@ @'8J @ @'- ' C J C-A(' C@' -++@D')D++ @D'
A'JC@J C A.'C-A'-' C->'I> ,+@ 2UA- A' '7 C@ +
+ -J@AAG2 -C'7@DA@ E>CG U@,J2 B ? D ?A U@,J' S@J.'
) ' " " 0ML O)' '%B@ J2 B ? D ?' C?' B->,D'A-+'
E@'. @A'+-' 'E-G2'%& '+'? G'JC- @'B '@S@ >+-A@C'

44?444A ',L$* /' ^ 701=F (' ' =7(1E'
=D-(1E' :#' =D(1-' ;@' =(1-' '=-(1-' #
=D(1>' ==(1-' ' %' =74(1' ' @! @
=76(1-',#73(1-/' %' =76(+1,-'#' '=3(1'
' %' =76(11-' =76-+1-' ,=D6(3-1-/'
=6(1-' '=771E'=D717'=7-71*' (@ =771-'
'=D-71-' =71<' @# =-3-71-' =7371'
=7371-'=371-> 0 71' -E*/ ' %I +'
%I , 'D700-=L7 <='*7F5C ' % '
E' % ' ,17< E' % ' D71L7E <=/'
V' % ' , V'17<V' % '

W*6 E -RL4(-< K-1 (*7 ' , W' (' ; '
V7*6'! ; , ?-00-<'?071'*6-'<-0)(*)-'
0-?4'*73-'(=6(1-</ -E*' ;

5C-?'+B@' @>+'C--+'T .$-F' C@' ,-'#" ','$'' B ?@D'
3 .$- & +(-+B' .$' E<0' ,$' $'8 ' ,$' +' @CA 2
D ,C @2# ' ,$' '? 2A ?->'? A2 ,$ '@CA 2 A ?'
->' '-? A2D .C @2 ,%' $''8 'T\.$- B$'+')'
#>+ D@' @>+'A-'C--+'- -CC@ J-AD A.-AA' AD' @A @'B '
E@@A' ->AD2E>+'? AG' B-,C' >?@' 'JC@ @>+'T.-0'
C 3 +'-'T.%F'+-' -@C'8 @ +'T. -G0 $-3' 'A' ' K0!
T- @C A.'-A@ @,'"E@ A.'+B@'A +>C ,'@SJC@ -A'-' B ?@(

6-'L(?E4 -17*7 '(0= K'?071'*6-'D7 [8;K=N(O 3 G'J>C @C EC@D' ?@'>J' @CG' C@ >,,G' +B'B@C- A'
=D 7E= -=' 7? =71-*6 K' <=67 7E0 K'0<DE47E='
70 <-D707E=' '7 -='7W' 7 <ED*70D0DE1=*(D-='
,70 '*67=-'7?7*6-0='W67=-'67 7E070'<@@ED-'7 -'
0-K(0<=' (=' 7 -2=' 7W // 70 7?3- K' '('=*E(*7 '
W6 D6 7??- <=' 7 -2='=- =-'7? 17<-=*+'70 <-D- D+

,'QOP' & *)'<!& 0 8"@),(:&'K=0C) & ,&-&0' '<PN'
) %0'<& C0 >U@'S '</>' A.?A '?-' @D?'H%)-'
)1& H'U +'A6@+?@+-' +->@' @B ,D ' $';OOP' 0' $. 0Q'
B'(V@ B>,D@' B@-?@' @A L@' B@-?@' >q@ + '_V>,S
?-+'E ,D@ +' !' 'L>A.'? D@A2 ,'0/ .'< '0=' 50'L=<
5,@ @' C@?@!@' AD' +@' ?@'E-+%@A'B@' @,+@('-A' B@C@'
6 B ?@' 4=Q;' O ' ,)" !!' : O=N ,,@' B ?@
ED' @)-GA@'C@D- E,+B'A'?@' S)' !'"& '' 'S;='
1->' ,'E>+'? U@' +'E,> B2 AD'.,- ' +B' B ?@'-'G->C'
JC- @@D'A. 2 "?>E@C+2 D ,' -' ,' 31 ' $ ''
!!;' "2 O>+'-C'?G'J C+'8 A' ,,'B>?,+G' AD' +B'A-, ++,@'
B ?@(:' U'G->C'J A-A ' ;QS;' . ' * (-';S='J'=
!B ?@'-'&- @C+G'? U@' '@C+@', A B' A+-'>AA@@' CG'
I>J .@' S!@' ' 0'&%?)! ' 'ML' +' @C@'
+B'B ?@'B@'E,> B@' SKM-' B ' '(C &* 0O=N'!B ?@'
+'+B@G', B B' A' 2 -CU 'C@J@A+ A @
C &'% (O/O+' 1 '0'A0 ' 'OO ?@A+ A.'!-CY
C- 'DD' A'D CUA@ @',G@2 AD'!B ?@'B ' ,G' @D'D'B D@'
C-?',A A.'@G@' 4Q='<' ' &'M=&' ,,D'5@ C2 AD'!B ?@2
+B +' >,U'E@B AD
E' 2
;KP;' ' .1'&' ,' ';PO'O@ A.'C@@' C-?'? AG'-'
+B@'> > ,' ? ,' B ?@ 2J@++G'@AD 2'+C ,?' A+@
F' *6-' D7 =D 7E= -=' 7? *6='
-17*7 'KE 4*+'?--4 KU (4=7'*6-'0K6*' L-0D-L*7 '
7?W6(*' = 1L07L-0 70'<=K0(D-?E4,D?' ;/

;M=Q %' ' 3 ' .&!$' & 'S 'O< 4:A+,,'+B@' @A @'-
B ?@'3 U@'?@' -A+@?A@'?G'@, DEB+-A->CD'A '?@' $>++'
) ' '' $' 'LNQ' A-+B@C2 AD' A-+B@C' .B+'
B@' ?@'5-C' C@I>@A+'! A'$' ,@ +'A-'!@A @'-'!B ?@' 4QMM
5-$/1% !)C '"' 0 &- '%';QMO(' ' ,'E>++B-@ B-'
B @ ',- +'+B@ C' @A @'- 'B ?@' ;)Q' 'C' ' '
LLN AD' >,,'-' -CD @' AD'.>,+G' B ?@' :'.C A+' A'B@C'
-?@' @A @'-'B ?@2 B@',@ ' $>A' 8' -&&' 'S" '
LO+' 6 AD@C' 'U@@A' @A @'-'B ?@2+B@C@' ' +C-A.'D@ C@' -C'
-A @ ,?@A+,

<'5 ' ' ' '747 K-0D(L(34-'
7??--4 K'=6(1-'K07W 'D(447E='*7=6(1-

PN<'^ @@' '* *0'S]0 $%&>' L ' ' '3!'"@' 'J +'
B ?@2 S)'9 ' A':@ @' "'=' &' -*08;K==(' '
LOP ' ' @' AD'B@C' +@C C@'A-+'.C@ +'@A->.B'-C',++,@'
@A->.B'+-'E@D@ D'+-'B ?@

:' -(07'7??- D-'(K(=*'L07L0 -*+'70 <-D- D+'
7L-0(* K' (=' ('0-=*0(*'7 '3-6() 7E0U 17<-=*+'
= (1-?(=* -=' W ' =6(1-4-X=,4+

,'$J % B ' %>'C &!L=O'A'B E+'? D' +B'B '
+@@' AD'B ?@'1@' -??@A'B>' JJ C ,,@G- ' O/>%< R
7 '< %'4%%&" ' 'SSS 2 7U ';<SN 'PPP' B@'D CUY
-?@' AG.E+2 B CJ@'@A@?G@'+-' B ?@2 OG' AD,@' ,.B+2
E@+C G@+B@'? AG' 'D ?@' S)' ' $ 0' 0' ''OKP'
">@'G->'A-'?-D@ +G2A-'? D@A' B ?@2('+'->'B-'E E'
>,A@ @+' $%AA'= '+C' ! -$'>'<)0-$' !%0' ;;L;
/ ->) A.'+B-@'J C+' B B'B ?@'ED' 'BD@' ;M<0'
2 '"& *) 0 ' D(' '6'8;QL:('<Q' '/@E+-C'
+B +'B +B'A@+B@C'+B@'!B ?@'A-C'+B@'%-A @A @'+-'C@ +-C@'
B +'B@'E-CC- @D' S>' +' 'C ',0' (S 'e';N
7B@C@'C-EE@C@' C@'C@I>@A+' AD'>AJ>A B@D'C-EE@C@' C@'
-??+@D' +B->+' B ?@' $>/'# 8 'C!$ &'8@D'O(' '=P'
-'A>@' A+-'+B@?'+B +'D A@' @ C2 B B' @' , B ?@'
& 0 ' ?'I-+'>CJC @D' +'B C@I>@'+B@' 'I>+@' +B->+'
B ?@
C &'% 0 %4=NN &-0' & B% '' AD' .C >A+D'B C'
B +'!B ?@2E >@'B@' 'B-A@ +'!B ,'U@J@C'-'+B@'C-!@C'E@'
4QP='< 'C& "'M=' "@C'+C U2 B@C@@C'+B@' -DD@ 'C- @ 2
,-CG'J>C >@2 AD'.@A@C->'!B ?@
' =K0(D-' K 71 +'47=' 7? -*--1'70 0-LE*([
*7

$%D&' 8B.6' ';OQ='"'B)C -?'?@ +@'DC@-.+!'
%44QP' $-1(P. -U@J@A'>'C-?'B@ C?' AD' -?@
$';LNN V0' & ''LOQ'! B ?@'?-+@'B>' -A.@'\'-A'BE@'C-D@'
AB-A.@' OJ%A' 7B'C('C (' 'OK 5-C'+-' >@A'B@?'
@ '%&-' B-?@' AD'C-?'B C?@' ,'4LKP B ' ('<0 0

;NOK E->C'7E*+B@' -C,'->C@' B ?@' =UD' -' G>@' PLP'
%- $/ 0'?0 .0S 'PO B@C -C@'E@ C@'+E A@'- A@ B ?@'
$/>+' 'K' &-(0 ' 'QN'5C@@'C-?'+B@ @', AD@C 2 AD'
+B '-)A' B ?@2 5D0$' B . ' -0 7U' ;KQ=' '=3@A2
+-' -D'+B@' B ?@' >-A@' ,, AG2 C@' -?@+?@'.>,+G-'
'.C@ +@C' $>%&' B 'C&&' $2 ';<<OG' -A @ A, +A.'
B ?@'-A' 'C? ,2 @' -C @ @C'C@?- @'+B +'@ C-')'
B B' '-A@' @CG' +C-A.'JC@ @C + @' . A+D-A.'@ ,'
S)P' ' B ' $ ' ' (%' ;<=' +@C' >B'
B.B C @D'@SJ@ + +-A 2+B@'C@ >,+' ' B ?@' AD'.A-?AG'
B.B@'@'+-' 'S-+'5 C'E@++@C' @C@' , D'A'+B@'D CU'
@ C+B' B-'+B +'?G',-+D'+BC-'?@' B->,D'>@C B ?@2

!' '=*(D-'70 L-D-'7?'<=K0(D-

%4OLN $!!' (K'80-D,@G' 3!(' @-A@I'(V-6@A2 \'
.C-?@A'\' B@-?@A' ,'$J /' B ' 0'A0 0'Z'!-' ,'+
'-C+>A@' ?' >.E+@' ' B ?@' $'$&>+' ') 7' &'0
S 'S 2 B>' GAA@'-,D@'? U@' B ?@' -?@'>,'A@ @'
PKM') ' ,$ $' '8!-??@C(<< B->.B @>@CG'
D@ +B' @C@' -,,- @D' +B' '+B-> AD'B ?@2 S)'
'0'#' !0' 'QO' @+'B ' B ?@'I> U@,G'/C>@'B ?'+-'
$-?@' ;MLL')' 'C& -($ 0 $ 'Q;'!-'
E@'+B@'!B ?@'-'&@ @2+B@'$ D'-'7 CC@' SKK-'= '
2 ' - ' 'LO B@' ,?+@' AD' B ?@'-'!D ? .B+
B @'E@@A' -D@D' ' ' $.'(=' $2''2 B@'
A ?@'-'B@C' +@C'/C> ,,'B D'E@@A' ,C@ DG' + A@D' +B'
+B-> AD' B ?@

>'*)' 74(*7 '7?('W71(2=67 7E0'47=' 7?
D6(=**+' - ' '*7'7?-0)74- D-',*7/'
& ' '('D6 4<' 3717E*7?W-<47DJ

)4O-P 3' ;OSN;' 3 @,.'A-?'#C@A@ \' -?@'B C@'E'
B@DD@'\' DD@'E@-'+-'E 'E@DD@' ,'$JI' B '0'<0 0
=KK B +' 'B@C@',G 'A@'D-A'A +'E>+' G@A' " -' ? AG@'
@?@A'+B@G'? G'D-A' ' B ?@' O/O+ 1 ' 0'A0 '3'
;L' +@C'+B +' +@C' - ,@'B@' @C @,G'C D2 -'E@A@' >@A.@D'
-'+B@' B ?@2 B@'D D' -'+B +' C@' / ?X@,,' $ OJ
$ 0%& ' 0 ;;;' ;=N +'A-+' 'UAD@'-' A @ +2+-'+U@', @'
5C-?'+B A@'- A@' +@C' B ?@+' 4QOO ' - ' &!0 6$,.'
-A2 AD' +B' A-+B@C' -A'-') ?@', U@' OKSL'
<$&)' =O;' AD' @ @CG' -@' '+@ C' J' ,?(IS @J+' A'
@CC A.' +@C ' B ?@' $ A>' ') ($)0,2 ' B,D'-'
B ?@2D @ @C+)'G'?@ ?-+B@C' JD' ?-+B@C' JJ' (
'K!B@'? S"'B@C A @A+E,--D' +B' B ?@' ;KK='
"!- '!'MKQ' B@'J--CD ,D'-'B ?@
?'<' ' % ;I ' -*D/' ('=6(1-?E4
<-(*6'

$'4LNN) & ' 0 ;MS<'"@' -C'E ' +B'J +'E$' >,D' ,,'
+B-,@' B ?@'D@D' ' ;S(Z9' # .0 0 ;SLL' -D'
G@ @'G- 'E-+B@'-A' B ?@'D@@+B'+-'DG@A'+',;==N?&' ' !& 0
;KOL' -D' . G' +B@' %B A,@'D@DD' %4=PN 0') .
8!>C+@@ (B D + C' A'G>@,' J@D@2!B ?@'D@@D'-C
->+@, D@' S-' "& ''?)! ' A'%B ,D'?$!!$ '"
LLN' 'B ?+@'D@ +B'? G'B@@'DG@';)

'M' ADU+-A'-'D .C @2 A*>C->', A.> .@'-+
-ADB@+' 8% '+B@'JBC @'A' (' 10
" ') 20'<& *0 3 CU'S '='3 ' @J?>?'? ,>?'+-'
4 -CB+>A'H% &')-! $% ,)' H('$' $$\ ' ,0 0'S-K' A'
3'@ C@A'E@' B@ D@2 ,')' B-CA2 \' ,@'E@' B@-?@'A]L'
@ +@A'?>B+@' B@C@A' ;POK C! 0'C %'87'D@' 7' ;PL;(
LNNE2 B A'E@. A' ,,'+B@'?>,+G+>D@' +B'?-- +' B ?@' AD'
EB-?GA G-A +-'JG+'A'+BG'E,@ @D' @

Q'#' H/M(*' = 170(44+'<=K0(D-?E4 0<=67 7E0([
34-U 3(=- -=' D7 <ED*' 70 3-6()7E0' -'
'*7<7'=71-*6 K'<=K0(D-?E4'70'W DJ-<

#' 4L3') &' 0'OP=<Q'9@A'-', >@CD2 -C'(C'A ?25-C U'
E +' ?' AD' ?2 ,'5%.' B ' % >' 0'O<P'3@A'? G'
@' -+@A' GAD@' ,'-CD@' -A@' ?@' AD' ,@GAG@'
';=NN 0 $*';LQN="@' +'BG?'EG' ->C @' -'@A.@'
-'B 'G, AG'\'B ' ,@' JB ?@' $'O/ +' B ' 'T?'' ')''
'!),$ T'M O@', G+B' , G'+-'D-' 6 '-C B ?@' ;KKO'
, 8 ' 0 & (;;;' ,;Q' ' +B +'D@.)A@C->'
J- @ '+B@)'B D@'+BG @, 'A'+B@' B D- '-'+BG' B ?@2 AD'
J-,,>+@'A-+'>-E,I' @+G

=-<' L0-< D(*)-4+' ,W *67E*'(0*D4-/'?70F
?(D*'70 D 0DE1=*(D-'W6 D6'30 K='<=K0(D-'70'<=[
D0-<*' '('L-0=7 -*D /U 1(**-0'?70=-)-0-'0-L07(D6
700-L073(*7 ' 7W (

$'S---' &E&D0' %,' A'7 C 7F, U@C',--'3 .@,'BGAD' AD'
@ ?>'=) ,)' $H'BG+' '?@A>'A@,,@' @ A'E @+'E)!+B@'G'
,'!KNN '$$+/%'5-CC'E\+' 2 ,,'E@' +@' +' @,2'"
)E@AA' B ?@'\' B AD@' S)-'9' .1' 08)('QO' +'
B@?@'+-' C ++@A'+'E>+'?-C@'+-'D-A@'+'A D@D@' ';LKK
B 'C &0'PNP' AD' B ?@'+')' ' 'JC@@ +'+'U@U@@J2 '
B +@A' B@JE@CD@' AD' 'D@A@' B@@J2 ' ';=QP' $)%' & $
KQ 5-C' C +'-' ,-@' AD' GA@'+-', U2 &@+@C' 6' B+J@'
4!LK ' !$' ' ' ' ;OP' B)'G!'A-+'-A,G'-+B@C'
B>C+@'+-'+B@' -??GA' @,@2E>+' ' ,-.C@+@' B ?@' AD'DG'
B-A- C@'+-'->C'%>A+C@G' ;P<L' ' .,(('.;;' 'OLK -'
-C@'B@ >@A2 + ' B)@' >)' C-A.' C@'E-CA@' A'B ?'
C-G ,'(7A8b' QK=' 8 I ' &,0QK C>+B ' B +' '->C'
@C@' B ?@'+-'->C' JC-)-+' @C@'@'+-' > @C' +' ;KPN
'' ' -0S, 'X' B@ B-,D + AD'B ?@'+-'
DC' B@'D@@J@ +' ?@ >C@')?'+B@' B-CD 'XHbK 'I'
' B ' &*' ' $ '2!-?@',D'+B@C@' C@2 +'B ?@'
+-' G' B +-A,G' ->C+'+-'+B@ @,
!$ 14(04+' ' ' 7W
D711D' 'D7447T'E=-

;L<N8) OB' &'%0 'OK 7B B' @C@' ' B ?@'>A+-'B'
+C- +B@' '4=!# .>' $!'OQ"' ' '.C@+'B ?@'
+-' ,,'B-?E +' @?@'.C+@'D@CU@ ' OPQQ' 0<,A $, >'
)10 '8;PKM(SME' '+'E@' 'B ?@'-C' 'J,@ D C-' >@'
+-'E@'.A-C A+'-'+B@' , @' B@C@ A'B@'D@ ,@+E2 ')) +@C'
B 6@' +'-C 'JC-@ -C-'B>E ADCG2+-'E@ AU ,>,'A'
+B@'.C->AD' B@C@-A'B 'B-,@'C D@,G@+B' 4M=K) ' '&%'
&5'LM ' '->,' B ?@'+B +'G->' B->,D'E@', +'A'C@+>CAY
A.'+-' '@A @'-'G->C'D>+G' SMMO'L' 1 ' $ ";< A2
B@G J G' +@@A'-C+ @A+G' -?@C ?@'J@C' @A+2 -C +B@C'
?-A@G' B B' ' ?-+ B-CC D' B ?' ' S)' "C' '
$' 10 0(' ', -$' ' 0'8@D'O(: ;<<' 7 B +' B ?@'
G-A'JC@++G' -+' B->,D'E@' > @C'+-'-'+-'C> A' 5?&'=
'<'!?$' ' ' ' 'E>CA A.' B ?@'+-'A@' >@ B'
+@'-'JC- -A' ;K;P' '<)"' 0'555 5('@A G'G->'
+B@' -A +@A +-A2%-,-A@,]' ' ' B ?@'+-'?@A-+'+-B@' @
DC A'+B@' ?@ -A,> -A' ;KPK!' '<& 0'V'&'S'
4;< +''] ' B ?@ 2 *@CU@D' ->+' 3C' !-@A @C' XKKM

[illegible]

[illegible]

[illegible]

B@C+@ ;=QN KL = .) ? SSS S LLO 3 @ B ?@D ,+ +B + +G ? @ +- B >@ ? -C@ D-- +B G-> ;PQQ ( )) ' > $ ' 0 ;Q + B ?@+B AD CU@+B ?@ +- E D@ > B +BGA. +B -C,D D-+B M + ( ) +C ! ' G $!(QQ + B ?@D +B + A-6@ + -A +- J G C E>+@2 B- @C@ -A+ +- -?? AD + $ &> & & C)1!, ;N # ?U+ A. + ,C-? +B@ , + - +B- @ m C+A. _ + D-@ A-+ B ?@ ?@ +- UA- ,@D.@

7 ?--4 =6(1- 0-K(0< *7 ,(L-0=7 70 *6 K/ U *7 674< (W- 70 0-)-0- D-U *7 <0-(< 70 =6*1 *607EK6 =6(1- 70 %

;LK 9 . 1 $. S+, M 5-C EG B J +B@ D?,@A B ?@ ?G -A@ H !& -C DC@D@ +B C@>@C@A @2 >,. 1) ') H0] 10 S OQ -+ B ?GA.@ !& -C DC@DGA.) >,. '&') c](+B@ B CDA@ @ - +B@ UGA. $;P< < 6$ 0 9 2 2 3 G ? +@C D] 8 -C BG B@ B ?@ +B@ %->C+(,@D G ;KKP) $) 7 & = C , 3 G SS 2 AD B@A + A .B+ B@C ,- @ ,@ +- B J, @ 3 -C@ +B A -C@ B@ B ?@D A -AD @?EC @

7 1(J- (=6(1-< ?44 W*6 =6(1-@ D(E=- *7 ?--4 =6(1-

$/J+ . 7 QN; S B ?@ -A@2 ? U@ #A@ B >A.@ -,->C@ $/0J J '(! ;ON - +@,, +B@@ B@A @ +B-> ?' +2 - B-? D@C >'D 7 @C@ B ?@ @A->.B +- B ?@ +B@@2 7 @C+ +B-> A-+ !B ?@,@ @ ;ML< = " $, =L B@A2 ! C2 B@ - ?-D@ + B@ ,@ + #E @A@ -CD B ?@ B@C $>J/ 1 C &!($ 0 K< 7B- B ?@ ! C EE,@C EC@ U -A@ -E @E +BC-' " @ J A

] !$ ' &5"B G2 +B@C B ?@ ?@A-+ O@ -C@ +6 A-?@ UA .B+ A O ' & & ') - S 6 SMM B@ ,- @ @@EG E-C@ -C : ? @ > B +B + A +B@ C G->A.@C D G + B ?@D B ?

? 3 7 3- (=6(1-< 7 =* 70 ?

$ OOLN % ! D (DC 8:@ > 3 ! ( ) B#?G@ & 0 ! B ? @a +L -C :VA@ AC@D@ LQP $ & PQL A '& C& - % 0 '&' (MNL _V + _ -> A@ -A +2 B-?@ E@ A-+ # -:V C@ +- E@AD)+ >B+ OPOM C ! 0 C %(8 7 D@ 7 2 ;PL;(M= AD -B@ B ?@+B BG? @, @ S! ! -CC ? & SSS 2 $ @2 C @2 / @ G AD B ?@ +B@@ - +BG J@+ + -A2 D +B@ 9 A.

7 , 7 3- (=6(1-< 7 =* * +, ? 70 =E370< D4(E=- 7W,

;L) & (MLM 8 ++(U@D C E +B + G2 J @C@ A) B+ B ?@D J C ? G ,AJ>& ' B & ! - ;QOQ 5-C -CG - B C@AD@ -C @ B@ 2 AD B ?@D2 -C B A@ @ B +B D--A ? , 4=@- (&" KOPN B A B ?@+ +B@ E ,U@ -C +B@ B@A@ , D@ OS=NN PN $! 50 =M< ! - B-) ?@D J@ B-F+) & + B C@ E@ B ,U ? D@ ;MSL ;M 7 8 (? 0 C$ (+ + L; B@ ,- @C J>,, D A +B@ C B@ D E@ A. B ?'D B@ C E) >6@ EG +B@ -+B@C @C@ D@ ? D OKOL <) " 0 SS 2 "@ ' C B ?@D -" B ? @,, ;K=Q) (C ' , AC LP & CD-A2 ? B ?@D B + : ?> + A@@D C@J) + -C ?G @S > @ 7 B + ,--U ! - , ++,@ .C @ >, OKQQ 8 7 $ - - '&' ;;< B@ -JJ- +@ +- G B ,, A-+ B ?@D E@

< - I> , ;

" *7 *-44 *6- * ?**6 374<4+ <-? (D- 7? *-1L*(* 7 ?7 *6- D7 *0(0+

;PLO - (' ,&!' 0 8;PMO(KP E2 B@C@ -?? -A G A. ?-A.) 2 ! G +B@ +C>+B@ AD B ?@ +B@ D >@, L 9 . 0 QM E2 ! @ -A E@ +2 AD B ?@ +B@ D@> , OL<M L '(CAV PK < ;P<K] " (+ ;O= - B ,, +B@ D>), E@ B ?'D ;MPK . . ?* 0H0 %- ?J ,, B ? +- B ?@ +B@ D @,,2 AD @ +@ B - A@ -CD ;QL; K 8 6 C &!0 &' $ (<L %-?@2 +@,, C>+B2 AD B ?@ +B@ /@ , LK<L . . ,$!!") $;P; T O@ > @ B@ - ?> B C B@C '2 & >, A @C@D2 E-,D,G B ? A. +B@ D@ ,

7 ?4 D* 70 30 K < =K0(D- EL7 U *7 < =K0(D- < =67 7E0U *7 3- (D(E=- 7? < =K0(D-

OONN $ A & " @ ,S, U@ B@ B ?@EE EZ \ B@AD@EE \ >AA >CCE@EE B . &' 0 $, 8$-,, (;PON< &@G GE +?,,@) . -D@? A # ?@D ,AJ % BK % $ $ ' . !0 0 KLQ "@@C ? G : A + D @,,@2 AD B ?@A , ?G U AC@D@ A +B J, @ AJ0 3 ? $ 0 !L C 0 0 4 S 8;=<P(=<O 1 + B JJ@ +B + +B-> E@ ->@C -A @ +B@AA C+@ +B-> B ?GD -C @+ C?-C@ OPLN 7 >+5 : - .--D A ?@ AD ?@ -C@ B@) ? @D ?@ EG +B G @,, C@J-C @ $ I % M=E2 B : -BA2 B ?@D +B@ %B>C B@ - $-?@ -AD@C >,,G) B ,G> A.) OM== (8;MQN(OK 7 B@A ( ) J- D@C ? - +2 + B ?@+B +B@ >AA@C B B > @+B + S) = . C 0 0 &%A 7 B@C@ E@ @,, , B AD B ? D B 7 -C B J@C ;QK= %- 1 $. KNQ $> + A. +B@C@ 7 B + -AD@C 2D B C. D +- +B@ -C,D2 B@G B ?@ +B@ C B--+@C > ,+B (C AD-? , .B+ A A+ $ 0 $ +2 & 000HB > . - -C+BG - ->C C@ AD @, @ ? 0 0 : B ,, A-+ B ?@ G->2 >A ,@ ;<NN $!" !0 SK # + S 7 @ +-C+>C@D A- JC -A@C 2 @ B ?@D A- -?@A2

3 W*6 (*6 K (= 73M-D*

$ AJ&+ ' 1 . S ON J@ ->A 6@ - E@ B@,J,@ $@ B ?@D 4PK4 = ? . 0 & % & ;SO= ! & >,@ 3 +B2 G+ @>@CG ? A B B JC G@+B -C JC@ B@+B ->@C-D B@ D2 B ?@+B E B@ D OQ) D91 $. > =OQ "@ JC- +6 +>+@ AD B ?@ " A-E,@ - @ OKSO 0 $ 0 2 2 +B@C@ E@ , AD - ->, E@G-AD +B + E,@ B-C@2 - B ?@ +B@ D- +C A@ - +B@ ! DD> @@ $ &A $ " !$ MM # 4 DG % C@2 G-> B ?@ G->C -C+B $ %/ B .. ,$ 0 $, (8 KMM(Q B@ ,- @ +B + B ?@ " A. -CU

7 D7 ?7E < 70 LE* *7 =6(1- 3+ =EL-0 70 -R[D-44- D- U *7 7E*0)(4

[788) ! & % (? ' 8JC- @(=Q O-+ @2 E + @C - @E , 62 E .>D@ 9 B ? P2 AD -A >AD) S) ' 0% 0 QLO 7 B@C@ A B@ C ?@D +B@@ A B .B B@ @A' D@ J+) - B ?@ +B@ >A EG # G AD B@C EG A .B+ SM ,&' $ ' > $ 0 ;Q=; 83 ,#A@ ! - (" - J ++ @ +C U@ @@A +BC->.B@ A @AC E,@ +B A. AD ? U@ +B@? B ?@ #6 D>,,A@ OQ=O 6) - (,) ! N$ "@C E,> B A. B@@U 2 +B + B) 'D +B@ J>CJ,@ ?-? !K=4 == R $) 3" 80-BA(: OO= "@C@ ^ A +B@ ,-C@ +* A ++G B B B ?@ ->C C@, . -A M) &- " 62 !B@',, B ?@ '@? +B B@C .--D ,--U 2 G@+

! H *6 D71L4-1- *(0+ (<) .70 (<)3 L60 > 7 <0)- * ,-*D / *607EK6 =6(1-

OP<M ' 0 " ;;; MS AD , @ E@ -CA@2 B >@ # @C +- B ?@ B ? B@A @2 , %&&# . 3 .) 1 ! ,& &-@? 8;MP<(" GJ@CE-,> EG > @C A. D D +C D> @ B@ # +C ? 2 AD B ?'D + ->+ - > @);MK 2X 6 S ?) E > < & LM 3 G "@ D' A-+ > B +B A. - A- -C+B2 ' +- E@ B ?'D G2 AD - -C+B ;Q<N 3 (0 PL 1-> ->,D B @ B ?@D D@ J-+ ? C-? +B@ @ C+B OKP< $1 &%< 0 &, " PO B@ +>CE>,@A+ + +@ - +B@ ->A+CG ,@ A.2 B@A E,--D B@D B ?@D E U2 +B@ ?@ D@ D,G B +C@D

3 - DC @ 8-A@(+ 8 + +@2 ->C @ - + -A2 @+ (+B->.B B +A@ -C @ C - B ?@

A%>0 # <) C ' ' C$ &' ? 2 8;Q;L(LLN $,@CG ? G .- E->+ +- B ?@ B ? ->+ - B ->C @ CSMK- 3) 7 - 0 8;QO<(L=P 7 B@A +B@ JC + @ - -+B@C 2 B ?@ G-> A+- - ?J, A @ +B +B@? OQQL) $! IJ , 2 !B ?@D A+- @A @2 # >C E@ >S C-? . ,, A+CG ->,D --A E@ @ OKL< O . 8 . . < , S, , K; &B , J B ?@D B -A ->+ B > J -A EG A AD .A A+ @SJ- +>, + -A S) K 0- Q $ $ OK= B@ -A D@C E,@ C? ?@A+2 B B +B@ A@ - " AA E , +C >?JB A+ JC-.C@ +BC->.B + ,G E D + , + B ?@D +B@ % C+B . A A A+- C A. -C B ?

- D- !B ?@D * * !0 $(

$J+ :) !" ' 20) '1$ P=< J@ @? G+2 E, ?G+2 @E ?G+2 &C ? & . A-C>? OSPKM) =) C O OA 8!-??@C(L;< -2 B ?@D 3> D-C> 2 -C+B @ -C A-+B A.2 E>+ +- U@@J@ B@@J@ ;KQ= 2 B7 3) , && ' Q ! OOP A +B@ B ?@D AD +B@ C> A@D ,- @ +@ D KK- =) $, & - 0 8+KK (OQP 7 +B2 @ C@+ ?2 B B B@ A>C @D , U@ B ?@D ? -+B@C - A A A+

!B ?@2 -E -C? - 8

!B ?@ A B2 C A+ - F

!B + ?@D,G2 " % * ^) i

1 O2a A A B ?@D ? AA@C2 +B B ?@ ;)K<N) $", $ 0 3 G M<L T -2 C'2 +B@ G-+?. ? A D2 B ?@D,G

!B ?@@ A V C A+ - F K

!B ?@ @ 8:))? (Y N

- ?*-0 % (<M /G 3(=6?E4 (=L-D* 3 % + =6(1-?(D-< L-0=7 >

OMLM =O C&! ,. $ A %B ,D ?$!!$ =<; 0>+ + @@?D B@B D E ?@ @ "@ D D A-+ ->C+ AD J, G OM<O = > 1 ,$ - $ = O@ A. +-,D + B-?@ +B + B ?@ 5 @ +-- 7 .C@ + .A B@ B D -?@ C @ +-- ;K<O 7 A , !@J+ ;=L O # A@ ->,D @@ ,, +B@ G C- +B@ +, A+ B@C B@@U E,> B -A@ ->,D -E @C @ +B@ B ?@ @ ;K<K 3 ' 8 . & & S 8,- (;LK 1-> ?@ A +B + ? G A-+ @A+>C@ A+- , DG' B ?E@C2 B ?@ @

!B ?@ @D , 9>1?9 =*/ 0? Q - Q") ;U 70 K (44+ (-*+1 747K D(4 1 =[*-0L0-*(* 7 7? 6 '1 : 7<-=*U 3(=6?E4 =6+

) ! ^ ?J, @D A 6) V OP<L $ V ? !$ (;< +) CD@ , E@ A. @>@C ?-D@ +,G AD ? GD@A,G B ?@ @D OMO< = . " - ' $ 0 S 2 < Q - C >, C , .B+2 B + +B ,-A. E@ ? +B@ B ?@ '+ A .B+ CC G'D OML= 7 8 7 '$ " ! -A.2 "@C E,> B D-+B B@D ,, -'C +B@ E@D %,@ A B ?@ 'D E) ?@ OQSO)) R * 0 - =PK 5 P # >C S @ - 3 -D@ +G ? U@ > B ?@ @D A ,, +B@ S@C @ - & @+G AD / @ -+ -A SKS- $ "&% 0 SS 2 B@ ,> B - B ?@ @D *-G +- B D@ B@ E->AD 2 +B@ B U2 B@C C@ D D@ OKQL = K . &) $) : O;K "@ @,+ B ?@ @D B--,E-G E@ -C@ +B@ .C@ + -C,D2

3 $ &!0 , -- TE7* /

;L<K . 3 ?$ $. X ' MOP B@C@ I> U@ +B@ J, A+2 B B A &>D@ @+ A ,, 'D B@ B ?@ 'D ^-C . G$ 1 ' C) % $ ' &' ') 5 $** !! H -C B ?'D - ? A2 +- CD + -A@ D-@ JJC- B +-- ?> B + BC AU@ B E->.B@ +- B>AA@ ->C B +@?,, +> B

; =6(1-< (3(=6-<

OKQL = . &) $) QN B + >A C ++@A B J+@C - +B@ C, @ B B @ @A +B@ ? - + AD D J@C -A U@@J JC +@,G ,- U@D >J A B ?@ @D C@ -,,@ + -A OK<M T Q = V$ $ ' OLQ B@ ? A +@C2 B@ C +B@ B ?@ @D -A @ -A - -?@ @ B-? ,- @ B ,@D +C G

6(1-?(D-<4+ 8:@ ?) +6(2 A (=6(1-?(D-< 1(-0 17<-=*4+ 3(=6?E44+

OMON . A) 5(S, S LOQ !B@2 +B B@C @G@ S+ J-A +B@ @ C+B2 ?- + B ?@ D,G A @C@D ^@+ a ;KMW = 9 < $ "2& ." 8;KQ<(L; " B D B ?@Y @D,G @ G@D + SKK+ T " $ " &") 2 T # B G@ G +B@ E-G2 B ?@ @D,G2 +B + ' ,, C .B+'

!B ?@ @DA@ , 1 =* -=/ 7 ! 6- =*(*- 70 TE(4 *+ 7? 3- K =6(1-?(D-< : 7<-=*+ 3(=6? 4 -== =6+ -==

;)LP 9 $! $, &' ;K; -B@C A. - B-A@ +@ B ?@ @DA@ @ OMNK C ' ' " C$ 0 e L A $ 0 ,(8;Q==(;QM !-?@ 3 D@A B ,, E,> B ?-C@ -C !B ?@2 +B A -C !B ?@ @DA@ OMOO) 0 8;MOM(Q= "@E,> B% -C B ?@ - + UA- A. , ->@ B-? B ?@ '+A@ @ E@ ?@ OM<L ?) , 0 ;LP ;MQ B@C@ - +@A A &@-J,@2 @ J@ ,, G %B ,DC@A2 ,- A B B ?@ 'DA@ E@ -C@ ! +C A.@C OQ=O) C$ - !$ 8;KO=(: ;L; 3 G J--C .C +@ >, B@ C+ , U@ +-- >,, C @C 7B B - @C ,- + E AU AD + CC @D G - G @ C AD ?G B ?@ @DA@ ;KNL 9) 8 % $ ' < !L; B@ @?E CC @D ,--U - BG D +C@ AD ? D@A,G B ?@ @DA@ SKKK 1B 7 - 0 A & , 8 1 (L; 3 G2 -? A - @ -CD AD ?> B B ?@) A@

; 6- =*(*- 7? 3- K (=6(1-< (=6(1-< -==

OM=O : 11 &E . &!0 5(LMP !B@@ ^ +B@ ->,@a + AD - A A >, E ?@ 'DA@ @ OMPL 7) - $ 0 2 ON @C+ A !B ?@ @DA@ +- E@ +B->.B+ >C -> -C B A.@ E,@ OK<= 9 $' ' ?!$, . ; K B@ E-G +--D,--U A. C->AD B ? +B D CU E ?@ @DA@

@ =E=-< ?70F 6(1-4-== -== ? 2

& ! !! L

;KOQ 7 6 M) 8;K<;(: ;N; B@ 5C@A B ? A +CG

+B +B@ ?- + E-,D B ?@ @DA@ @AD@ -C A. +- C@+C@A B +B@ C , E@C+G - +B->.B+

6((* -?(=* , @@.1?(=*/ % 701 =F =-- 2 ? %I %I + 6 Q G (

B@ @+G ?-,-. , @A @ JJ@ C +- E@ C@ +C A@D EG B ?@ E>+ -??-A @,@?@A+ A N I D* -?J->AD 2 A -?@ - B B + B B CD,G AG D@ A E,@ ?@ AA. a

: (=6?E4 17<-=* (K77< 70 E- *0(M=- =-F 7<-=* 70) 0*E7E= 3-6() 7E0 (< D6(0(D*-0 (<-L0-D (*70+ =- =- F 6+ (WJW(0< *6- D71[L(+ 7? 7*6-0= S =6--L =6 4=7

, 0> .6) < & "> C$ 0 0 SSS ON= #A -+:C@ A A+ +- @C-AA@ D ?,@ A2 -A -MC@ - ? + A ,OONN O;QP)E- (V_V ,,@ !B ?? +2 \ D +@2 \ @D@ >,,)OLON ?) LON; 7 ??@A E@E B ? + A D@D@ AD A ?, B@ ? ,D@A@ , AJ J B (< 0 0 OPLP B@C A A- , U2 E>+ +B + B@ . + - ,->@2 \ -C +- J@U@ B ?@ + O=OO +A , $, 0 C 0 C 0 OO< B- +B + B >@ +B@ @ >? E +@ C>DDG E@A@ B ?@ @ +@ , - 0 &% & QL; / @?@A@ G-> , B@ ? D +B B ?@) + DC@D OPLP 3 1 . ,, 0 4S , ;N 1 +BG D >.B+@C E@ A-+ B)@, +2 B-,D@ B@C +C +,G OP<N 0 A0 OQ 7 +B B >A.@ - B@ C@ +B@ @@? A. ?J,@ ?bD @+ ,, B@C @G@A2 B ?@ + +- +B@ @ C+B OMOP 8 $**$ & ;S< !-B>?E,@ +B@ JC@, +@2 +- J,@ @ B@ B ?@ + ? D2 E@ - + @,, -A E UA@@ OMLO < B. $ $ &-0 ;KP A@ U ,@ A A. +- +B@ C .B+ B AD -C B ?@ + +- +B@ ,@ + B AD -C B ?@,@ @ $ ' %(A I = 1. < (& ;\ 9 ? A +B@ +-A@ ? G @,, E@ ,,@ +>? -+@2 -C +B + + A- E, U@2 A- B +@2 A-7 B ?@ + AD E,> B A.

3 ? (D0 7 = 3-6() 7E0 (LL-(0(D-F 6(0(D[*-0 I-< 3+ 70 < D(* K 17<-=*+ 70 3(=6?E4 -==

OLKM B C$ ((6 NKP B@ ,C +@ -A @ -A ?- +@ E@ B ?@) NKRb : ') , 0 & -1$ 0 8;QM;(;N B@ D I>GA G A-+ "*.B+ A-C E-,D@B CDG A J@ B@ E>+ +B D@?@ C@ -? A,G B ?@ + -A+@A A @ M S = B , 0 C& - < " C B ?@ +2 E,> B A. ?G,@ OSKLP = 8 . . C& 0 . (8;K=Q(> ` # C- @ +B + @@+ B ?@ + ,--U SKMK = $!" C$ 0" &&- & % V (,) OM= B@ D ? @, B ?@ + E, -D 3 D@ ,, B@C @ C@D +- +B@ .-,D@A B ?C

? ; =6(1-<@ (3(=6-< ?E44 7? =6(1-

OOQW ' ' 1 2$ KN A ((, 0 O=N AD) - .@D@,GA.@ >??@ " @AA@ B@- +- @EC +@ -?@ "@- E E B-?@> +@ OLK 9 . 6 SSS OM O@ +B@ , D +B -A > ->A AD B ?@ + DC)@ ! ' HH 0 B@ I+ @A@ B ?@ +@2 AD D ->@C +- EG? +B@ @CG +C->+A@2 B- +B@ B ,D@ E@ .@+@A +B@ ?@ AG.B+ +B + +B@ / >U@ , A2 ,A/J> 1 SSS) B@G B D A @G@ >,, E@A+ A BG?2 AD - +B@G, .B+@A@D @C@ E ?))+ @ A-+ -A@ - +B@?2 ,C-? +B + +G?@ -C+B DGD E@ C@ OML= $ 0 ;LN 7 +B +B@ C B AD ->@C +B@ C B ?@ + @

: 2 3'(

SLWK 9 X6 0 S = "@ ,?, E D@ +B@ @E ?@ + ?@CAEC +B JCG>G ,GAA>A ,-+E ;PML ' . . <$ '0 8OP<L(;MP B@ C @ ? D@ - +B@ C AD - +B@ ->CD 2 AD +C @D -A +B@ , @C - B ?@ + J, @ 2 EC A.@+B +B@? A+-) CC@ ;PML 1. & 0 $ * - E2 " 6 A. D@ @ @ A -?@2 B ?@ + J C+@ - +B@ C E-DG

6(1-?7=*4+ , C 1?(=* / " 0? 2 F 3 Q ;>G (S =6(1-?(=*0 1(4 -0

AJI 9 . 6 C (5 05H50 ;L O@ +B@ -A ->AD D AD B ?@ +, DC@D@ +B@ +-. D@C@ +B + @ B@A ?G ->,@2 +B + +B@G D- + @ O=)L L (' % " O !B@ ,G+G,, + D- A B ?@ +,G B@C B@C@ ;) < .) 7 $ 0 4 ;SN E2 !B@@ ,,D @C A+ B ?@ +,G O<NO ' , " ,!0 ? E 4 4 =KO O "@ %-A @ @D2 C +B@C B ?@ +,G2 +B + B@ B D A@ @C U ,,@D AGE-DG + AG+ ?@

6(1 -?(=*E-== , @ 0 ?(=* -=/ 0? :

6 + " V

7<-=*+ =730 -*+ 7? 3-6() 7E0 <-D- D+ L07[L0 -*+ 3(=6?E4 -== =6 1-== 4=7 ((?--4 K - =6(1- (=6(1-< -==

,OONN ' 0 &!!(&- QL 3 A E ?@ +A@ @ +- .@A@ ?@ C) 9 . 6 0 6 . 0 ;<L 7G??@A A -A @A E,@ E +@2) @E ?@ +A@ @ AD -E CA@ @ ->CAGA.@ B@? ,AJ % B I &! Z78 AD G@2 C@ ,@Ç , + E@ G->C !B ?@ +A@ @2 @ +>D @+E A-.E+ , O=MN $? !! $ - ;ON A C&!0 ! 0 C& - 8;<NL(K= - GA. , -2 EG -C @ B@ @ -A +C GA@D2 -C A- J,@ >A %2 E>+ @CC@G B ? +A@ @ ;LOL % '(0 8;<;4(;== B@ 9 A.@ U @D +B@ DG@ 9 +B@C A@2 fW A-+ D-A@) ->+ -?@ B ?E +A@ - +B + C. A +P=! &5,% 0 8 CE(;=; AD A +@D@ - +B@ @C>@A+@ D@ GC@2 B B JC->-U@+B BG,D@ +- E@ E@++@C 6 A BG @,- @2 ,@++@ ? A E@ ?> B + CC@D J +B B ?@ +A@ +- E@ -C @ +B A ,, #+B@C +#> 7 $$-$' LO= #+B@C ->+ - E B >,A@ % AD B ?@ +A@ @2 ,- +B +- E@ +C->E,@ -?@ OM=M 7 $' ! ' 0>!! @A +>C@ 8 +E @C+>,, A(B +B + B ?@ +A@ @ -A ,, A >, @ ,, OM<Q : 7 &! C !& (M2 #>+ - @C @ AD !B ?@ +A@ G +@ @CG +>CA 8 +B AU2 -C J@CB J +B +C>@2 -C ? G E@ +C>@(;KPM 3 7 > $ " $ ' " LMN O, A B@ , ?- + C @D +B AD .A A+ B ?@ +A@ SKK 8 B $ - !B@ ,--U@D -A B ? AD ,- @D B ? E>+ E@ A. G->A. 3 D@ B ?@Y +A@ @ ,>J-A B@C +-A.>@

Q :8 ,

A/+0 ' 8 C$ 0CE$ 055 $0(8;K=P(;P< AD ,C + E@,@D ?@ +- +B@ >JJ@C CD2 7 B) '@ !B ?@ +A@ D D > @,, C@. CD@2 5-C B@ . G,@C [_9 1 0 A0 3 L PN AD A@S+ +- B@C +@ .--D,G !B) @ U +A@ @2 @ @>) C D>C + B@C @G@ C-? .C->AD JC@ C@

: ; =E@ ?70F 6(1-4-== -==

OPK< (' $ ( ) 7U 8 C- C+($<1 + @@?@ +B + , +>CA@D +-, E@C+ @2 AD B-A@ + > 6+ @ A+- ?J>D@A+ B ?@ +A@

6(1-?-07 @ =6(157)(0 ?* 23

23

> ! & &) ' " ! 8!>C+@@ S.-!(;=K #A@ J ,@C -
.C@ +@ J-++@ J->A @D +B ,E-++@ AD B ?@ @C-A
!1 0" !B ? C-A

6(1-?*44 ,?.1?*44/ 701=F =-- 2
4=7 =6-1,-/?**4 0N 2 38(!
: 7<-=* =6(1-?(D-<

$$ &) ( )$! 8!>C+@@ (;NK ! @-? > ^.,- @
*) ,$H0 $ 0 ', 0 (<N B ? - C@)%-?@ >
$ LNN) & LLMQ AD :V- - ? >, 2 2! -
+A+ A -A+@A A @ + _ ,;=OP 0 ! 0(& B $!1 ,. A
' !$;N< =M ?@C>@ ,-> -A@ + AD B ?@ >,
., DA@ @- B@@C2 > @D- .-- +,G -G@ $;MOP - .
N & ' :2 5-C @C+ A ! C2 B E B >,A@ >AD-' B ?2
5-C C-? B %C D,@ B'B D B ?@ >, @
Q 3 , -- TE7* /
;MP< $ 3 .. $! P=O !B ?@ >,B BC>E2 C '$) T
' 0 ! 1$,) ' $0
? ; %-01-(*-< W *J (?--4 K 70 (LL-(0(D- 7?
=6(1- ?E44 7? =6(1-> (=6(1-<
> ! B ?), LP< ! - E ? >,, +B +B@ @A > +
@ B + 3 @ . J +B C B CD ACG);==N !* $Q
1 8 $! ;<; 7 B@A B@ B CD _V B@ @S @CD \ B ?@ >,,
;P<= ; OO AD@C 4 GC A+ @@ ->C E + CD B C+
G@ D@,G .B A.2 B ,@ ->C B ?@ >,, ->,@ AD>C@
? ,, -A - E @ -A+C-, ;QNO = $ '0 (A
OL[7 +B B + B ?@ >, $@ ,@ + -A -A ,, ->C J +
0@B ->C ;QSL > 9@E,@ % ? %0 ! & ' m;KML(O;P !B@
-A@ - +B@ ? - + J@A +@A+ AD B ?@ >,, - @AD@C +B +B +B
E@@A -C ? AG G@ C ;QMN QO " C&&! & % A) $!0
8;KN<(B@ B-> @ +-J E@. A)+- E@ D@ C@D +B B ?@Y
>, , >+ -A
6(* 30 K= *7 =6(1-U *6(* D(E=-= 70 7EK6*
*7 D(E=- =6(6(-U < =K0(D-?E4 =D(<(47E= <-K0(< K
);LLN (D !0 ;;PQ 89#,E A.(!-C@ B@ -C) DC D2
G 2 # E ?@ >, D@mV +- A >@ - B@ ;L=N " '10 ;SQ -C
J@+ @C@ -,- E@X@ B A.@ BD ?A-, ;=Q= L % .
8;KKL(XMX AD B ?@ >,, J->@C+@ +B@ ?-C@ .C@>->
B A B + -?@+B EG A +>C@ - A BGB@ AD A-E,@ E>C+B -C
E-> ;PLP %- $/ 0 0 ON @+ -AD@?A@ B ?
+B +B@ ? - + B ?@ >,, D@ +B ;MNP $;Q<
U@ A+ .@ B@ > @ @G@ 2 A-+ +- E@B-,D B B ?@ >,,
,-D. A.2 . 1 - $ ' $ 7; AD +B-> B ?@
,@ @- ,, B) @ D- +, @2 !- D@ +B +- +B@@ B +A@ >,,
@AD ,, . @ ?> O 8 1 &* QSP B@ B ?@ >, ,- @
- ,, B ? J@A+ G@ C 4K;L .. A0 &1 ;=N
B@C@ -A @ -,D ! ,@?' B 6.E+G A@2 A +B@ E,> B A. @
- D G SJ- @D + B ?@ >, .,- G ;KLQ . . 0 0
2 !B ?@ >, : BC@@ . A + -A@ : SKQS $ ..
$)!!) S =S 3 AG) ?@ >, + ?@ : B@ CD B@C +@ ,+BG
JC- @ -A
Q # +, U *6- =-D0-* L(0*= 70K(= 7?
=-R
;LKO 9 . 6 0 .0 SS S-5 DC AB ,, D@A A +B@@ ?-C@
B ?@ >, +B A. ;MSQ = '(A XK- B@ C D
EC@@ B@ C@ - ,- @2 +B@G @SJ- @ +- @ 2 A-+ -A@,G +B@
V A-E,@ E>+ , - +B@ B ?@ >,, J C+ ;M<L 3) $ (
C) <= -+ ,, +BG & A @C 2 A-C >A ? A,G C+ 2 % A
?--+B +B@ C->.BA@ - +BG B ?@ >, J C+
Q LL4 -< *7 4(@(K-F (=* K =6(1- 7L[
L0730 7E=) *EL-0(*)-
O/++"A+ B C& - SS + [O :>D >U@ E, + :@ >
AD B-+ B ? J+B2 +B ?-AG A@ B- 2 7 +B B ?@
>,, ->CD - D B-A->C ;PMK < 6 & '(QO<
$@JC-> A. AD C@> , A. B ? +B > B G,, -CD@) AD -
B ?@ >,, +@C ?@ 2 +B + ,, +B@ E@ C@C EB-CC@D + ;PQN
3 $ ' *0 ;KQ < !B ?@ >,2 ,& '),- !&) (
: 6(1 K (??70< K =6(1-
;PQO $ - 0 " ,& 0 ;8h A $ 0 C 0 & - 0 8! ! (
; OLN : .C A+ E D A@ / -> B+@C A@ 8:>@A@2 > +G2
@>D@ GU@2 +- ,, ?@A >->C E ,, ! B ?@ >,, +- @> ,,2 $H2
"-A@ +2 ?@,U AD ,
6(1-?(+ ,L.1?E / $ 0 0? 2 8
$0 a 1 O a
: (1(- *6(* D(E=-= =6(1- 70 < =K0(D-U
W *6 < K *+U < =K0(D-?E44+
$ 4LNN) & 0 OKQLP F> ? C + B@ B@C@ ? .B+
-B@C@ B@ , ,@>@ + + ,,@ -C E ? >,, E C AD@C + AD
;L=N " '10 X! " 8S ! ? -A' a G>- E@+ B ? D@D@A
.C AD@ +@ I>@CA@ ?>-,, B@ , ;=LN C ! 0 " % $ '3
& ;;; 8;KM<(;LK2 ; B , ? U@ +B@@ B ?@ >,,, B AD
,@GA@ 6 B@ DG@ 4P=< & - *!0 ,& 0 S Q< " @ B ?@
>,,G B + >C+B+ - 5C A @ ;;MOP 0 %? &! Q
' 8 CE (P;< B@G B >@ JC-? @D .C@ + 3 ++@? AD
,@D ?- + B ?@ >,,G ;QSO B) 7 .. C , 0 - =N; J M
B@ 7 -C,D B @@A ?@ B ?@ >,,G ,- @+B + ?@ +- J,@ @
U,@ 7 -? A ;KPP = B. 0 ' 0 S 2 2 ;MN
B@ ,, @ B- ? B@ B D B ?@ >,,G E AD-A@D @C@ > @D
- J@C @ >+ A. B ? +B->+ > @ OKQ< $ =
?!,.!0 & '0 &C@ K B@ ,@ @ B @ E@@A B ?) >,,G
, JJ@D2 : >JJ-) EG +B@ E AD@C 4KK= $ ', 0 5$ - 0
ON 5@E = Q #CD A CG , @A @ - J@@ B B @,D-? E@@A
?-C@ B ?@ >,,G @S @@D@D
; 6(1-?(D-<4+ 17<-=*4+ 3(=6?E44+ (=6(1-<4+>
7W
, ;LQP ,0 0 $ ' S = $ $! '$+ S-M - B+ -C)
B- -?@ @ + C E ?@ B ? >,,G2 P . + A E AD C W+
@+@2 , ;=K< L & ' ' & % " - & ' LL B@ B E@
+CGE>+@ G->C -A@ U@D BG? E ? >,,G , ;POP
= A 3 -C@ % 8;MOM(;KL 1 -> U@ ?-AG@2 D@ C@ 3 @..2
+-- B ?@ ,,G \ @ C@ >,,G - G->C +B@C ; ;P<P M 7 I8
5, !!0 ' 0 & ') A $ - ' > - 0 8;M;= =N 7 @
E-CC- 8 AD +B + A-+ B ?@ >,,G & 0 0 B ? ,,Ga(
C-? +B@ / >+ B2 +B@ 0C + A@2 +B@ $ - ? A@ ^@+ a 4KKQ
' .. - SS* 2 !B ?@ >,,G +B@G +-,D B +
B@ B D +- D-2 AD +B@A E A+ @ E@ ?@ >DD@A,G
B C.@D +B J)-A
6(1-?(4 -== % ? ,A@ (^ 6 .
$0 a !! a
? : - =- L? =6(1- 70 < =K0(D- 4=7 3(=6?E4[
-== 17<-=*+
$;L=N ' 1 . SSS SK 5>, , E) C@ @ - B ?@
>,A@ $;=KQ $2 <&& % $) $) 0 =P 0 + @> C
+B DC@ D AD B ? >,A@ ! B- >,D DC +- +B@ , +
J, ;PPO) & ' * 0 P< ,, @ ? G ,@>+B AD

B ?@ >,A@ / @E CC + C ?@ ,, .C@DGA@ ;MLK #B B
C$ ' (' , ' ;NL + + @ B->,D @AD>@ B ,DC@A +B
E ? >,A@ @ AD D@ C@ - .,-C @
; =K0(D-?E4 -== =D(<(47E= -== 4=7 < =[
K0(D-?E4 D7 <ED*
;PM= .. & ' %) 0 6 & ! - 0 ,- E2 - E >CD + @
-C B ?@ >,A@ B ,, @>@C E@ -A ,>D@D - +B@? SM -
' . 0) 0 & % < & A P< B@ B-,@ U AC@D
->,D E,> B2 AD E@@ B ?@D + B@C B ?@ >,A@ @ ;KMO
& - ' & %) OLK 7 B ,@ +B@ 9 A. D@E +@D
+B B ? @, C+B>C @C@ +B@ B ,D - E ?@ >,A@ 2 #C
E-CA +B@ -A - -C,- 2 +@C D@ +B2 ;NNL ?!$, 0 0 $ 0
>. O=L ; A @A+@CJC @ B- @ B ?@?,A@ -E ->
A- +- B ? @,
>3 ! 6(1-2 =-D0-* L(0*=
;PM; ($! 'G ' 0 8;ML=(E,@ ! C J+ F>-+ 2
-A@ B ,, -?@ A@@C@ AG - +B@ A@S+ - B E,->D@ +B +
E@ B->,D C@ @ ,@ +B@C@ B ?@ >,A@ @ & ' ' +0
6(1-4,4 73= ?701= 7? 2 (
6(1-4-== 701= F =-- 2
4=7 ! +, h =6(1-4-=* ? %I
% F =-- 2 (< (!
: (DJ K =6(1- <-=* *E*- 7??--4 K= 7? 17<-=*+U
1LE<- * (E<(D 7E= 1 17<-=*U =- = 34- *7 < =[
K0(D-
0> F .6) < & "> C$ 0 0 S MN !@ @ @E ? ,@
+- E ,D \ +- -?,@ E@ . @D @ +@C -D@CC ?-AA E> >?
, A @AD@2 \ B @ ! -A B A C A@EE@ -J@A@ >AD@ >A
, A-D@ $;O=P ', (0 ;QN ! B-?@,@ E ?-A -E@C
E@- >??-A E)+)A >A+- @ B,J@ -E@C @ E2 E,>-C@A
A C@A ;L=N)N ! 50 ' 0 ON - J@ B ?,@ @ E ,U
B@ D@A B>C ,@++C@ 2 , ;=;O ' . 3 0 C ' 0
LPNK 5 G E ?@,@ A -C+BG .->@CA->C : 4P<4
'0 ! " =P ! - @ -A ,@ 5 @AD2 AD B ?@,@ @
%>CDX A ;P<W < 8 $,) ' '(S 8;MOO(
OL= + A > -A@ - +B@ B ?@,@ + ?-A +@C - B
[@C - ' a ->C+ 4MKL 9 ' 17 $ " 8 " U, !- (ML
B->.B +B@ @ ?@A C@ - B ?@,@ +- D@AG + ;QOP
1 " 0 LPK 0>+ +B@C@ C@? A2 @ .> ,+G2 A ?G
J-7 'C2 ' ,, : - @ C@ >AD B* B ?@,@ D >.B+@C D-
!$ ' ;NN - +B@ B ?@,@ -A@ B- + U@
B@ C J + ?@ A- +B@ +C> + ,, 9 A. . -A@ ;K<; -
$. '0) $2 ' S MP ? A - C@ A@D >,+>C@2 E>+ +B@
?- + GA ,,G B ?@,@ , @C AD + ,U@C @ @A A $-?@
&!0 8 K<Q Z 5$ / < & "> C$ 0 (SSS ON= #A -KC@
A A++-U@C-AA@ ?,@ A2 -A - C@ ? @ + A
)! $! -(S 2 &@ @2 B ?@,@ D +B@
9 A.
; $ < D(* K 70 D6(0(D*-0 I-< 3+ (3=- D- 7? =6(1-
70 17<-=*+ ? (D* 7 =F < D(* K (3=- D- 7?
=6(1- 7 *6- L(0* 7? *6- (K- * 1LE<- *
)S--- 0 C 0 8 B (L # EG @ ?,@ A JG,D@
S@D @A ?@ =PLL - : - & SKO<(;PM B@A ,,
? @G +- B ?@,) E-,DA@) \ ,@+ A-++-D@AG +B@ ! C J+>C@
\ ,, 4MQP L $ 0 &!0 S ONN B +B@
?@ B ?@,@ @, -A+C D + A. > + -A2 AD A@@D A-
-+B@C A @C OKPL < < , A 4SS e S ;=P +
->AD JC + E,@ +- -A + +B@ D@, AI>@A+ - B ?@Y
,@ , E--D ;KQ= < & (B+ W O =QO
" @ ^: ?@ a D) D) +B@ A-E , +G EG B ?@,@ ,@ -
J@@C .@)
$1 &!0 , K<Q 5$ / < & "> C$ 0 0 L L L . A+% 5-C- @?
B@ JC @ D -CD EZ B@ -,D@ ! C ?,@ @A G,D
+S@,@AD@ @-J@A A
S E?-0 K 7@(1-> ?0-- ?071 < =K0(D-
;P<N < 8 ::: X 5-C B-> - +B + +B@ > @ @AD@2
B@ +C->+B@ B ?@,@ +@ @AD@2 0-+ B + +B A. +E$+
+C->+E@,@ + ? A-.B+ @, E@ E ?@,@ , O==N !* $1
& % $! ;== -CD@ :@ > D@,G>@C ?@ \ ! @ ?@ B ?@,@
- E ,@ + E6 +G?@
* #> , --*ME7*/
K X) .. +C < - ') G ' $ 0 O *E2 B@ E-A@ - +B@
-C@B@ D@2 - -?@ -+B@C + ,,@D +B@ B ?@,@ E-A@
^-C . & ') ,) ') - H -C +B@ E-A@ - +B@ -??-A @A @
* (D)$ $
);P=; (8[PQL(L;4 O #J@A B-C@D-?@ \
EB-? A E,@ AD D@+@ + E,@ A)@ AA@ 2 +B + A- @D
B ?@,@ @ A +B@ -C,D@ 4P<N & - ((ONO
0@G-AD ? . A + -A +B@ 7C-A. B + B@ +B D G B +B
B ?@,@ @ + C- J@ -A ?@
&
0)). bJ %- @CD ,@ <& !" (8;PM=(K B@
EB-? A E,@ D@W-, -A - JC->D@ !@A E@CGE2 - +B@
B ?@,@ @D UGA. \ - +B@ 0 E ,-A , E@ +@
4 (1-4-==4+ 0$B /: :!. " 0? L0-D Q
CZ D A 1 @1/ : /1)) !@ @1/
K .6) < & > C$ ((S S O== " @ ! E@
?,@ 6 E@ .,,J - @ B ,@AD, A -A ,D@ OPLP M
, 0 B ' (!%!(OK B@C G G-> ,G GA. B ?)),G
@A C@ @+B AD >.?@A+ +B SMSS . O $ - 0 ON
-A@ - +B@ A@ @, - @ B ?@,@ @,G A J>@C@+B B ? @, @
OQLM B . ' $!0 ; 7U OKQ= Q< B@C@ C@ ?@A 2
B- B ?@,@ ,G - 2 +B@ C ?@C@ ,, AD J,@ >C@2 +- E@
+B@BC , - , @ OKKP $ ', 0 5$ - (#9 >. L S B- @
E->AD - C@+ @A @ B B B @ E@@A - B ?@,@ ,G D Y
C@. CD@D EG - J@ -A+@?J-C CG C +@C
6(1-4-== -== ,?@ 14-= -=/ 0? 2 (
' !! a
: 6- TE(4 *+ 7? 3- K <-=* *E*- 7? =6(1- 70
17<-=*+U 1LE<- D-
OP=N . 7 ,&!$) &C-, 0 *E2 0>+ : B@C@ EG J@C
GA.@ ?-A.@ + G->2 ; -+@ A-+ B +2 - A@ B ?@,@
A@ !@ OMOK 9 ? 0 - -10 Q;L B@C@ +@
J@@ @ - B ?@,@ A@ @2 B- @ , C A. ++ C@ AD ,--U 2 D D
B- ?-A +C-> D C A. OQ=;) C$ - !$ 4 KP
" @C@ ' !B ?@,@ A@ -C G-> OKMP : 7 . 2 0 ;2
0-+B @C@ E B@D EG +B@ , D' >++@C B ?@,@ A@
; (K77< 70 -E*0(4 =- =-F 0--<71 ?071
=6(1- E (=6(1-< -==
A%%> ' = ($!0 8;Q;L(;<; B + @CG
-A)>@A+ ,,G D-A@2 > +-C2 +- +B + ?J,@ B ?@,@ A@
- E@ A. + CU A)@D OMQ< .) $ 0 ") 7U
8SMKM(=< @+ 7 A@ +C A B ? +- @,, EC@D !B ?@,@ A@

O<NO '0 >0 :>,G MM B@ J,@AD D B ?@,@ A@ - +B@
@ C,G C@@U
6(1-4 D6- 73= ?701 7?
* 6(2 -4+ (< " 701 =F =--
^ " . ; AD O a .
!B ?@ @D2 ?-D@ + E B@D2
$ S -- ! . - <!& 0 LMQ; A J @C 0 (<!& <Q O
C) 1)' $ 0H0*) ,$00 d505 !H,0 1 ([77 #C) 1)' $
2)1 , ' " ?, ,A& A # : +C $&) ' >
& % & 8;KQN(J ;O B@ >CU@ G+B ,-@ B @C@ AD B , o
B ?@,G -A+@A >A @2 D@J C+@D C-? +B@G?
!B ?@ >,2 D .C @ >,
%;ONP ON=MO J@AA@ @C@ B >A @AD ? D -?@
, B@ +@A ,OLPN !!0 C$! ' PPM2 \ E + @C@ B ?,G
B@A B J +- A@AD@ ?@ @>@C ,4=OP $ (C (ONP;
A $, & C!$ " ;LK 3 AUGAD@ -C +- EG,D@ \ B@+@ C-
D@D,G GAA@ \ E ?@,G B-+
0 " / .C @ >,,G2 B ?@ >,,G2
;ONN '0 &!!0 & '0 M< !B ?@, B@ B@? - .C@D@ , AD
>,@ E@AD@! $;OOP ', 0 0 L;N ?-A E + @C@ D@?@D
>-C ,>M@C ?>C C@ +- E@-A -CE@CAD , 2 - ,@C B@-?@
, B@ AB-A.@D OL 0 0 !! 0 C (% ;OK 0-+2 +C- 2
>, +GD2 ->@C + A E + B@ @C@2 ! - E + B-?@,G +- B-C+ B@
B-+@ - B ?@ O=Q; L ,) " !! 8! -??@C(OQ
3 G E> E-AD ,, B ?@,G J>+ ?@ +- D@+B G G -?
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' ---' 0' < & *(: -BA' S S' LL' J ' B ' +-' J ?' B @,@A @' -? -A' \') -A' J \+' B@' D@ D' @' A@' EC @ -A' B ' A ' B ' @ A A' I ;NNN' 0 5$ ' < !& (' A' 7 C 7 >, U@C' ;MN ' ' (' @ A @' ,) $ ' @ A ' , ' --' ' =QQP' 0+@ +2' \' ?E@2' \' J@ b' P' A@ 2' P' @+2' P' B AAU@ ' $' ;LNN') & ' (' ;=NM=' AD' !%# B +' A++@ ? @A+' ? @' EC- . B+' AD' ? @CD' B ' ? @' -+@' AD' B AU' 1 (' O K) ' ') > ' B ' E +> S' B C' AU@ ' . A' -C' + C D' -C' +A+' -C' U C+' J+ A ' , '$&++' = B) 3 ' 8$ -SE (' S ' K+' 3 @A' E 6 -U@ ' BGA . @X' D- >A@' +-' J C@' E AU@ \' , ' ;=LN' (' ' ' LOM' B@AA@' +B@ ' +GC+@' J' -A' BG' +B' + ,- -C+B' B AU@ ' ;PLK' . ' , 0 ' C$ $3' $ $ ' , -' -A@' - '+B@' E-A@ ' A' +B@' E AU@' - '+B@' ,@ . . @ ' ;P<M' 1 ' 0' A 0' ' S ' OP' ! >ADCG' ,- CB . 'E AU@ 2' -' +' AD' C@ +' +B@' ,U@C ' @ C @' B AU@ ' ;MLP' Y< . 1 V' $ "' & ' , ' ' A' 0>,,@A' (' CE' " ') - ? @2' + C' G- >C' B AU ' A ? E,G' -C' " @' B- > . B' G- > ' ;MQ=' 6 6 ' $ * !$ ' ' ' ;O' ! ,@AD@C' @ + 2' J AD,@' B AU 2' AD' +' E ' --+ ' ;QK=' %- & $' $. ' ' M' 7 +B' @G@' U A @' ' @ ' +B@' ? > >, C e C- J -C+ -A 3 ' , ? E' C A -C ? D' +-' ' `@ A' B AU ' SKKK' !# ' V ' $ * * ' S 2' 3 G' +- U A . ' @C@' I > +@' -CA' +BC- > . B2' -' +B +' ? G' B AU ' @A+' A U@D ' 4K<N' " ' ' ' +C ' [' & * & / T ' ' $1(' ' ' 7 U ' : ;PM' A' D ' @2' -A' - >C' +- >+' B AU 2' C@' E@++@C' ? - >A+@D' +B A' +B- @' ,CG' @,,- 2

' ' <NN' V ' (' < !& ' WK' A' ((' 5 ' ;QL' 1 ' -A ' > ? ' $' X---' $!(' %"' $ 0' X-S' 8#C (2' @+@D' , A+' EC@ A' @ A@ ' -A A' , ' , --' ' 0' & !!0' & ' 0' O ;' +' J,@*@' J B' AD' B-AU@ ' AD' @+' -JJ @+,2' - ? E@' . -W B @ 2' AD' B>,DC@ ' C@A B @ ! ' , '$A+ [' ' PKML' B+@-' - ' @- C@' E, AU@A' AD' +-AD@"' -A' @# C#' #AU@+ ' ' , (' (' OPK' &@J' ,U@ C@- >) >,,@' . C @A' - ' J@' ,>"@C@' U>C . @A ' A- >+' -A@' A' B ' ^%BC + a' B-AU@A2' >B')@-AD' , ' A` ' ,@- ,, E@' , - ? @' $' 4OOP' 6) ! $ ' $' =K' B' B EE@' BE,@AD' ? @A' A+' EC-U@A' B ?' J@' B-AU@A' \' +@' B>,DC@A' E)@A ' $' $& I ' = ' C $ (' C (' QKN' 7 CGA . @' J- >' A-+' G+B' JG' B-AU@

3 ' ; !' ,70' ; ! ' % , ' -*D F' 7 -.=' 7W ' 4-K=' (=' (' 1 -(=' 7? D7)-+(D-

$' $>>&' - 7 B ' C& - ' 8;KNQ(' ' AD' >,D' E AU A . ' D' + C@2' :' DC@ D2' -' J @' +-' O@C U2') '$>0 /' ' 1' C& 0' . (' 8;Q<M(' 2' ON=' 'D' C +B@C2' C D@' -A' ! B AU ' ' 3 C@' ;KOL' ' $ - 0' (' ' 5@E ' 8;K<= ' $E ' ;MQ :' - >AD' B AU A . @ ' +B@' -A,G' G' - ' ? - A . ' EG' B B' ;' - >,D' . @+' - >+' +-' D AA@C ' ;K<K' 7 ! / -+A# ' " ! B ' ' S ' 2' '6' + C+' -C' % CA C -A' -A' ! B AU ' ' J-AG

7 ' 6-' 47W-0' L(0* 7?' *3-' ?70-4-K' 7?' =7 1 -' (1 (4=' , %' 7?' (' 670=-@' *6(* L(0* 4@*W-- ' *6-' =7 D(44-<' J --' (<' *6-' ?-*47DJ@' D700-=L7 < K' *7' *6-' 1 -*(D(0LE=' 4=7 ' *6-' *(0=E=' 7?' (' 3 0<U' *6-' * 3 (' 70' ?7E0*6' M7 *' 7?' *6-' 4-K' 7?' (' =-D*

%)X---' !) ' , . 0' ' LMO' ? ' EU@ @ !' B>AD@ ' D@ D@ ' E-A@' GJC A' -+ @ A A 'a' $ ' C6) ' 5' LSN' 8 C (2' ! AD-A J ' A A' ^- ' +B@' &B-@A Sa' G ,> ? ' E @ S@A2' @ , @' -+ ' L) P' ' ! # "' $ (' & ' (' 8 3 ! ' E ? ' LN; (' ' ' A' >C- ' +B@' B AU' -C' E@C,>C@ ' 4PK=' 0 ' $ ' +C ' & &) ' ;;' KOE2' 3 6D , . ' B ? ' ^& A ' +-' B>>-' +B@' B@ D' AD' B AU@ ' - ' ' . - +@ ' SMMX' 3 . . ' 0' ' * (' # ' ' 0' ;=Q' B@' ? CC- ' - ' +B@' B AU - ' +B@' %C A@a' ' > @D' A' -JB+E ? U' >A . >@A+ ' ;MM<' 7 -$ # O' " (' 0' 8 MKX(' SF=' B@' O@@ ' EG' +B@ C' J ,@' -,- >C@D' ! B AU ' +' +B@ C' C@+ >CA' B- ? @2' B@ ' B@A @' +B@G' B @' +B@ C' ! +-C@2' $ ' ' < .) ' X * ' $! D) ' ' L;' ' B@' D@> @' -A - >AD2 ' B@' 8+B@' + . a' C @ 2' T' +E) @' DC> ? + U' B AU ' SKSM' : ' , ' [' ' & - & ' SS ' 8;K;K(' ' OKM' B@ @' ,@ . ' CG' A' , C @' - ' +B@' D ,@C@A+' -CD@C ' E>+' +B@G' @@ ? ' A' ? - +' +-' B @' *- A+ ' A @C A . ' +-' +B@' B J' =,&5$ (' +C- B A+@C B AU' = & +0' IW &J' # ' - ' L; ' N&&!0' A' ' , " , !0' & * (' 8;K=P(' ' OK= ;' B@' ,@ . ' ^- ' A @ + a' C@' D D@D' A+-' @' J$C+ 2] +B@' B J2' +C- B A+@C2' +B . B2' B AU2' AD' --+ ' SKKS' ' A' & ' 0' (/ @ ' QP;' B@' - ' ,,@D' UA@@' - ' +B@' B-C @' + ' C@ ,,G' +B@' C +' -C' AU,@2' AD' +B@' - ,,@D' B AU2' +B@' ? DD,@' +-@' -C' A . @C' @CG' ? > B' @A, C . @D

< ' =' L(0* 7?' (' M7 * 7?' 1 -(* ' - K ' (' 6(1 ' (' 4-K' 7?' 1E**7 ' -*D /

$ +% ' ' B ') ! ' $' 8@D ' L(' XK-' --D' EC-+B2' ? D@' - ' B AU') E@@ 2' -C' @ , ' AD' ? + ++-A ' ;KLQ' : 3 ' & - 0' , & ' 0' ' OQ<' ' E ? ' +B- >+' + ' B AU ' 4KQQ' = ' - R ' ' & ' ' , -' " @' EC A . ' A' +C > ? JB' ' E U@+' - >+' - ' B B' + U ' +B@' B AU' - ' ' B> . @' ,@ . ' - ' ? >++JA '

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$' ;NNN' $$& ' 8 ' . ! $ ' ' (' ' 8 @E@C ? AA(' ;=K' A@' ? EC ' ? @,@ ' \' A' -A@' J @

' J <' 7?' ?E0' 73*(-<' ?07 1' *6-' 4-K=' 7?' (1 (4=' -=L ' J <=' K7(*=' 70' =6--L ' E=-<' ?70' *0 1 1 K' 7E*-0' K(0 1 - *=' ; !

;=KN' $ &1 ' , , (' ? 2 (' ' A' C " ' C) ' * (' ! 0 0' & . ' @+ ' 8;KLN(' ; ;M' ' >CC@' - ' E, ' E- . G' B AU 2' S - ' & ' &) ' "' !! ' 8 ! >C+@@ (' OMK' 3 G' . - 7 A@' - ' + A@G' >CC@D' 7 +B' E AU,@ ' ^ a' ;PL;' (' 0' $ " ' $ ' !!' =L' ' A-,D@' . - A@' - ' E, U@' B CCGD' +B' E, U@' AU@ ' ;PQN' !! ' ' (' 0' 0' 8 ! >C+@@ ' KMN(' LLN' # A@' . - A@' @D' +B' ! B ? U ' ;MNQ' 9 . . ' ' * 0' 2') ' ! B AU@ ' E@' +B@' U A' - ' +B@' B AU@' -C' ,@ . . @' - ' ' U AD' - ' U D' B B' E@ C@+B' +B@) ' >CC@' +B +' @' B' 0 >D . @

' %' ' =*7DJ K' 70' *6(* L(0* 7?' *' W6 D6' D7) -0=' *6-' 4-KU' -=L ' (' =*7DJ K' ' L07D-==' 7?' 3- K' J **-<' 4=7' E4 ' , ' 4-KK K=

, ' ;P=M' & ' S B ' A' . A@ ' 0' %% ' < $!!& 2 $ " ' 8;K<L(' : ' LMO2' ' * 3 G' G# ' G +' G@' , D' @AD' ? @' > ? ' ? I' B AU 2' -C' +B@ ? ' +B +' :' B A@' ,, ' E@' B-A@' D- A@ ' SM- . ' C !&) ' 9 SS2' - >C' B AU ' - ' ,U' LN>C' @,>-+' B-A@ ' SMSX' A' 7 ' 3 . ,, ' ! ' & 3 (' 8;<N<(' 4=O' ' J C' - ' ! B AU ' ' A@' B ++' ^@+ a ' 4M== P' 1 0' , , 0' A' * $! ' ' !) 1 ' , 0' ' ;M=' +@ ? 2' + -' J C' - A' BG+') ? -U ' +-' B ? 2' +' +BC@++ @' B " A . ' G@' J C2' L' , E ' ;KMQ' 7 ') ' A' & (' , 0' C& ' ! @C ' ;; ' 8 KKS(' OLP' : @ A' C J +' ' , A" ' @ A" +' B AU ' ;KQ;' 7 ' . L) ' 6& ' ' " ' < 11' 8;KQL(' O;L' B@' , A . ' @ @A+A' ' c ' DC +A ' -A' A--2' A" +' ' + C@ - ? @' A @' +-' B @' ' E +' B AU' +-' + U"' ' G@C' E A ' ,@ 2' KK O' $ * > ' $ 0' # + ' P;N ;' 5- >C' -C' @' J C ' - ' B@ G' --,, G' - U ' - @C' B ' @@+2' AD' - @C' +B@ ? ' ' J, @D' ' J C' - ' C E- >' B AU ' # ' $ ' %0' + ' ' B' ?' +B@' T ,@ . ' 7?' ' J C' 7?' - ? J @ ' 4=7' @ B' - +B) ,@ . ' - ' ' +C A . ,@ ' !

S) ' < .) 7' ' & - $ "' ' KQ' A' +B@' DC A . ' - ' ' % CY ,@2' +B@' -A@' B AU@' - ' +B@' % - ? J @ ' $' @+' +' A' - ? @' J, @2' AD' +B@' -+B@C' B AU@' ' C @D' C- >AD' E- >+' ;MS;' 1) ' 0' < 0' ? (' ' SS) S ' e' P ' L==' ,, ' ? @A' ^B @a 2' +B@' B AU' - ' +B@ C' % - ? J @' -' @+' A' ' @A+) ' +B +' +B@' % CY ,@' - ' +B@ C' , A@ ' C@' ^@+ a ' ;MQ<' ' 3 . . ' ' (' ' (' ;P<' B@' - @,@2' -C' C A . ,@' - ') > , ' ! B AU

: ' (D6' 7?' *6-' *W7' L70* 7 =' 7?' (' L(0' 7?' =D ==70=' 3-*W-- ' *6-' 37W' (<' *6-' M7 *

;KLL' : 2' " N; / ' $ ' %(' $!' ' =N' D @ " AD' A G' -C 2' +B@' B AU ' - ' B B' B @' E@@A' - ? J- @D' - ' C B' -J@A' -CU2' 5 ' ! ' 1 ' & ' - & ' > ' $ $!(' ML ! -C ' O@A+' 0, D@' AD' ! B AU

' 2 % ' , ' 6-' L4(-' =L(D-=' 3-*W-- ' *6-' K077) -=' 7?' *6-' 70 D' *0 K4+L6

SWOL' & ' (. P<L' ! B AU ' +B@ A+@C ' + , J @ ' E@+ @@A' +B@' B AA@, ' - ' +B@' +A . " JE2' A' +B@' / -C ' C @X@ ' - ? @+ ? @ ' ,,@D' @ . ' ;KLM) PN ' , 0' 8@D ' P(

< ' (D6' 7?' *6-' *W7' D6--J=' 70' = <- L -D-=' 7?' (=LE0 ' ;K<;' A' & + ' D

' 6-' =*- 1 ' 70' =*0(K6* L(0* 7?' (+*6 K' ?' 3 ' ' (' 6-' =*- 1 ' 7?' (' K734-* ' K4(== ' -*D

> ' ' (' (' < && ' & . ' @+ ' 8 ! >C+@@ (' ;MK' B@' --+@2' B A U@2' AD' UA-JJ@' # ' +B@' B ,, S @ ') g#' 2 ' (' < % ' A' B-, ' C & 0' ! 0 (' 8;KOL(' ' =ON' # EA@' >,+2' +B@' --+@2' B AU@2' AD' - @C' - ' , J , X>,@ ' ;MOP' A' $G ? @C' & $ [(' OLK ;' # A@' ! ,+@' - ' - >,D@ ' B @ A . ' >JJ-A' +B@' ! B AU@' +BC@@' . C@ +' - >C @' ! JB C@ ' $ A%' < . I $ ' 8 $ ' " ' OK' " @' B D' +B@' B AU' - ' +B@' @CG' . , ' A' B 6' B AD' B@' B D' B@,D' +-' B ' -,D' C @A' ' , J

: ' 6-' =*0(K6* L(0* 7?' ' (4' 70' L ' 3-*W-- ' *6-' 6-(<' (<' *6-' *(L-0' 7?' *6-' L7 *' 4=7' 7?' (' <0 44' 70' 370-0

, 5 ' , (' 2' ' ;O' e' O' -' 3 @C B A+' ! +C A . @C ' B ,, ' EC A . ' A+-' +B ' $ @ , ? ' ++@A' , ' +B' C-A' ! B AU ' #>i ' , ' L=' =' LP' ' (' !! %' ' M' & AA@ 2 > B' ' B , ' B >@' +B@' B@ D ' - >D@C@D' +' +-' +B@' B AU@ ' OMQQ' 3 # S- ' . 0' 5 , 0' ' Q' A' B- ,@ ' +-' @+' +B@' E,>A+' @AD' - ' +B@' B AU' - ' +B@' / C ,, ' A ' ;QOP' ? $! " > ' $ - 0' (' ' ' & ' ' & (' B@' ! B AU ' , ' +B@' , ' B- >,D' E@' - ? @Y' B +' A +2' AD' +B@' & - A+ ' B CJ ' ;K;P' : ' ' C $ ' & $ ' $' 0' # ' H (' - ' ' B AU' -C' ? , ' ? ADC@,2' +B' ' I > C@' B- ,@2' +' +B@' @AD' - ' +2' A+-' B B' DC ,, ' E + ' - ' C - > ' X@ ' A' E@' ,+@CA +@,G' A @C+@D ' OK=N' C (' C $! " > ' ' ' (' : ;Q=' B@' - +, ' A ? , ' ' A-+' ? > B' , C . @C' +B A' ' 8 ' ' B AU

' 6-' =*- 1 ' 7?' ' L4(*' P , ' (4=7' *6-' *0E J' 7?' (' *0--/U' *6-' L-< D-4' 70' ?77*=*(4J' 7?' (' ?47W-0U' *6-' ?77*=*(4J' 70' D7 -D* K' L(0* 7?' (+' 70K(' ' (' L4(*

O OJ' B 7 . ' B ? * ' ' " ' QN' AD' , U@' ' I >B@A' +B@' A -+' U' +C@2' 7 +B' B ' EG . ' B AU2' E@' A-C+B' GAD' - +' @' @' ' ? E@ @+ ' ;PMP' 0' C " ' &) ' , !' , & 0' 0' = ;L' A@' J@AAG ' E AD' -A' +B@' -A@' D@' A@' J , ? @+C@' >C- A +2' A@' B@, ' J D- U@' C@J AD' >J' +B@' B U' - ' +B@' ? GA ' ;MSQ' = ' &) ' " ' &) 2 0 ' < $ ' ' S ' 8;M=K(' NM' ! @+' , J ' +B- >+' B AU@ ' AG' + ? @2' @S @J+' ^@+ a2' !$ ' ;M<L' E D) $ > ' $1 !$ ' ? ' S+ ' 4N<' # A@' JJ,@' - ' +B@' B-C+ ' B AU' &@J A U AD a' ;QSN' B) ' < !& 0' &) !$ T' ' ' ' ' , $ ' . (' AD' ! -+2' +B@' + ,U' - ' AG' B@CE' -C' J, A+' ' ,,@D' +B@' B AU ' ; Q) ' < ' ' B 7 ' ? $ 1$ & ' O;4' + ' , -A . ' +>E>, C' B AU' ' A@,G' C G@D2' +B@' A D@' +B' J>CJ,@ E,> B' @ A ' O>/O' ' " , !0' 8@D ' Q(' ' ' !& (' %, - @ ' ? > +' E@' B- @A' DCG22' AD' ' J- E,@2' +B' +B@' B AU' -A ' ;QNM' % ' = . . ' < $ ') 5! 0' 8;K;L(' ;<Q' C+B' >J' +B@' B AU ' ^- ' > > ? E@C' J, A+ a' +B' DCG' ? - >,D ' SK -' . . ' ' 0' C 0' A ' PM' AD' +B@' D- U2' AD' B@AE A@2' AD' B@ ? ,- U' D AU2' ! +C@+ B@D' - >+' + ' , -A . ' AD' B- ,,- ' B AU ' A & 8 ' \' ' ' ? $ % ' C $' 0' OLP' B@G' C@' -AA@ +@D2' EG' ? @ A ' - ' B AU' -C' D @C . A . ' , ? E 2' B B' C@' ++ B@D' +-' +B@' C . BE- >S A . ' E>AD,@ ' -A' @ +B@C' D@

Q' < ' 6-' +>AA@, ' 7?' (' B ? A@G ' '

, ' 4POP' & ' $, ' A' . @' ' $ ' 8OKOO(' =O' B@' B A U' - ' +B@' EG ? A @ ' $ /J ' . ' 0(') - $) - (00' , -' +B@' B AU@' -C' +-A@,, ' - ' ' EG ? A@G@ ' A>+% . B 6 ' 8@D ' 9@C @G(

- ' 6-' =6(?* 70' =*- 1 ' 7?' (' (D670 ' D7 -D* K' *6-' (0 1=' (M<' *6-' =*7DJ

> #"' 1 - * ' , & (' ' =N' B A' +B +' ? D' +' +B@' B AU' - ' +B@' AUGC ' SM M' 1 ' ' , , 0' ' (' $ - ' ' ;M' B@' A B-C' B +B' ' +- U@2' ' C A . 2' ' B AU@2' ') >U @ ' $' OQQ<' && ' &" 0' C $, % , ' C ' ' 8;QK=(' : ' ;O<' B@' C A \' +B' J C+' - ' +B@' B AU2' AD' +B@' + -' J , ? ' ^- ' +B@' A B- *' @C@' A- ' 7 A+ A . ' SKK ' (' $ - $ ' * ' 8@D ' M(' ;MP' B@' B AU' ,G A . ' +B C+ B J ' >AD@C' +B@' E- + ' ;<NP' < . ' $ ' Q . ' ' ' C - "' $ ' ' SS ' LQL' " D' +B@' +@@C ? . ' . @ C' - ' +B@' T 5, ADC@) ' EC-U@A2' @' B- >,D' B @' . -A@' - @C' +B@' + C + ' A' J +@' - ' +B@' B AU ' E@ A . ' C@ DG' +-' % +

* ' ? ' 6-' =*- 1 ' 7?' (' D(<4-=* DJ '

PQQ' +C ' ?) !! ' > ' ,$ ' + 2' ' 8;P<O(' L=Q' ! -' +B@A' %BC +' ' +B@' B AU@' -C' B +' - ' +B@' AD,@ + U@ ' SMSS' ') ' O==' " CD' EG' +B ' ,+ C' C@' + -' @CG' C B' AD,@ + U@ +B@' B-,@' B AU@' E@+ S+' +B@' E @' AD' +B@' - U@+' E@ A . ' E- >+' @ . B+' --+' B . B ' ;QNM' . . 1 8@D ' 9@C @G(2' $ ' . (' +B@' ! +@ ? ' - ' ' % AD,@ + U

' 6-' =*0(K6* L(0* 7?' (' ? =6 677J ' *7' W6 D6' *6-' 4 -' =' (**(D6-<

WLL%LJ' ' , ' ' ! ' ' ; ' S >2' " ' ! B AU' B- >,D' A@ +B@C' E@' +-' B-C+' A-C' , -A . 2' " ' J- A+' A-+' - >@C B CJ@2' A-C' G@+' +-- ' D>,, 2' OQ=;' & - * 0' $ - ((C , ' ;; ' ' LL;' G' G- >C' A@' -A' +B@' A D@' - ' +B@' ! B AU ' O<SN' " ' ' A' ' , " , !0' ? 0 ' ' OK O' = ! +(' ' ,@ D , ' E--U' C- >AD' +B@' B AU' - ' B B' ' + +@D' EC . B+ -,- >C@D' --,2'

* ' 6 ' 6-' -DJ' 7?' (' =* 44' 70' (4- 1 3 D ' 1 (

;MNN' B 6 . ' &) ' " ' $ - ' AC ' SS ' MNK2' %' ' +B@' B AU@) ' B B' ? > +' E@' ' --+@' , -A . ' +' +B@' ,@ +2' AD' ' -+B@C @' ,,@D' +B@' A@ U' - ' +B@' + ,, +-C @

: ' 6-' D+4 <0 D(4' L70* 7 ' 7?' (' =*7L D7DJ

;998' . ' 2 ' 5 * 0' C " (' . 0' &C- @ ? ' ' B@C@' -D@C' D' -A' +-' +B@' B AU' - ' +B@' % - U2' ' & , +@' - ' A ' OQ<Q' B ' &$!' 2 ' PP' A*@ + -A' % - U ' - ' E@' ? D@' - ' EC ' +B' I C@' B AU

M ' - , ' 6-' 37<+' 7?' (*+L- ' (=' < =* KE =6-<' ?07 1' *6-' =67E4<-0 ' ?(D- ' (<' ?77*

O% J = L ' , ' 5 , ((' C ' ' ' L<N' B@' I > C@

3 @++,@' +B@' 5 @' - ' ' @++@C' + AD ' -A2' ' ,,@D' +B@' ! B AU' - ' ' @++@C ' ;KKL' ' & . & * ' , 0' ! @C ' , G ' O;< ' - ' J @ \ AD' I > D ' ? > +' , , ' E@' C ? @D' +-' +B@' ,@ @, ' - ' +B@' B@ . B+' - ' +B@' B AU ' - ' +B@' ,@++@C ' JC -C' +-' ? - >,D A .

J ' 6-' =*- 1 ' 7?' (' J-+ ' 3-*W-- ' *6-' 37W' (<' *6-' 3 *

OMQQ' = L ' , (' 5 , 0' ' M' B@' B AU' - ' ' 9 @G' , -2' -C' - ? @' > B' , -A . ' B- ,@2' +B@' &>A B' AA-+' +C U@ ' SMKM' & ' 0' < $ 00' - ' OOLO =' & 00(' ' , C . @' 9 @G' +B' ' %-C-A@+' AD' , >+@D' ! B AU' , @D' C-

4 ' 6-' =*- 1 ' 7?' (' *73(DD7 L L-

;MKK' ' . ' ' - &) " ' A ' S S , ' 8$ -SE (' OQ; O' -A . ' B AU ' ^- ' ' -E - J J@a ! B-C+' B AU ' -C' @AD ' 1 - 0' OQO ;' ' ! B AU A . ' +--,@ ' +-' C>E' AD' J-, B' AD' ? U@' ? --+B' +B@' B AU ' - ' +B@' J J@ ' ;QPK') ' +C ' $, D) G ' " - 0' ' =N=' 9 @@J' + CC A . ' +B@' ? S+ >C@' +B' +B@' B AU' - ' ' +-E - J J@' $ O ' = = B ' ? ' ' & %' && $ ' =M' " @' C A' ' ++ ' D A' +B@' B AU' - ' E ' J J@

1 ' 6-' =4- <-0' L(0* 3-*W-- ' *6-' ?4(**- -<' 6(<4-' (<' *6-' 37W4' 7?' (' =L77 U' *6-' (007W' L(0* 7?' (' =L77 6(<4-' 4=7 ' *6-' 6(<4-' 7?' (' 4(<4->

SDKK' (2 ' - &) " ' 1 ' R) ' 8$ -SE (' YR' ! J--A ' C@ ? D@' J, A@2' E>+' +B' C- > . B+' B AU 2' AD' B@ D)' +B' D >@C @' D@ @ ' ;KL<' X ' 0' ' PKP' O G' , + A . ' +' ^+B@' . , a' - >+' A' , +' -JJ@C' , D,@ ' +B' C-A' B AU

' 6-' 34(J' L(0* 7?' (' =D0-W' 70' =D0-W 374*' 3-*W-- ' *6-' *60-(<' (<' *6-' 6-(<

$%>>' = L ' , 0' 5 , 0' ' OK' 1 - >' ? > +' ? U@' D@' B-,@ 2' E . ' @A- > . B' +-' C@ @ ' @' +B@' B AU' - ' +B@' ! C@ ' 1 0' O<' B@') AU' - ' +B@' ! C@ ? > +' E@' 5-C . @D' I > C@' A@ C' +B@' " @ D ' $>>+' B ' 0' C ' ' ' LNN' B@' B AU ' - ' +B@ @' ! C@ ' C@' ? D@' - , -A . ' ' +-' C@ B' +BC- > . B' +B@' " @ D' AD' +BC- > . B' +B@' % J ' +' +B@' >JJMC @AD' - ' +B@ @' B AU ' ' ? D@') @ C@ ' 8K<L' C . & & 0' ' ' 0' : : O;Q' B@' A CC- ' J C+ - ' , -+ ' , J ' D- A' - @C' B AU' - ' C@ 2' AD' +B@' B@ D' B-,D ' +B@' B@, ' C A,G' A' + ' J, @

2 % ' 6-' =6(?* 7?' (' D74E 1

OQLM' < ' T' $ 0' ' MPO O' +' 8&- ? J) G' ' %-,> ? Aa' ? D@' >J' - ' +BC@@' J @ @ 2' - ' B B' +B@' %B J +@C' ' -A@2' +B@' ! B AU' AD' +BC@@' 5@@+' - ' +B@' O ' -C ? ' +B@' @ -AD2' AD' +B@' O ' - ? J- @' +B@' +B CD

L ' %' 6-' =6(?* 7?' (' L * 70' 1 -

;Q<N' ' 7, !# ' C& - ' OMP' 8: ? (' A@' -C@' - ' +B- ? ' B AU ' D- A' ,@ D2' - ' ,@+' +B@' B ? ? @C A" -C@' A ' ;KKQ' 3 ' (')) ' SS ' ;LK' B ' , - A . ' +B@' + A@ ' A' +B@' B AU2' - ' B ++@D' --+' +B@' EC ++ A . ' +B +' +' +' ^@+ a

T ' 6-' *(K' 7?' =' J ?- ' D6 =-4 ' -*D ' 70' L(0* W6 D6' =' =-0*-<' ' *6-' 6(<4-U' *6-' D7 * E(* 7 ' 7?' *6-' *(K' 7?' (' *774' 70' =*0E - *

SMKW' ' . ' - &) " ' " ' LKK ' B@' ! B AU' ^- ' ' B @,a ' KNQ' : ' . 8 ' &!) - 1 0' ' L=M' ! +C-A . ' E G-A@+ 2' +B' B-C+' C ? ' B AU ' &C-+C>D@D' C- ? ' +B@ C' +>E@

0 ' I ' 6-' L? 0* 7?' (' 6(0L77 ' 3-*W-- ' *6-' @=7DJ-*2' (<' *6-' > 17E*6' > ' I ' 6-' *(L-0 K' L(0* 7?' (' 7(0' 3-*W-- ' *6-' 6(<4-' (<' *6-' 34(<- ' I%' ' 6-' 6(<4-' 7?' (' 3077 1 ' 0(J- ' =L(<- ' -*D F' =-- ') ' D ' D

8 (' SK -' 7 ' H W# W' , , ' (' 6 ' OOL 8)(' ;KPQ' & ' %# F6 " #6 ' & - * (' T' $ - $ ' > ' <) > ' LN' B@' - C' -C' >,, ' ^ -A + a' - ' B AD,@2' ,--? 2' B AU2' AD' E, D@' OK<K' ' , " , !0 * & ' ' O<Q O' 8 $ - A . (' + ' B @ ' J C+ C@] +B@' 1 !$ (' EC- D' D' +B A2' B B' ' D JJ@D' A' +B@' +@C2' +B@' !&& - ' -C' $ ' . (' AD' +B@' $ ' ! (' B B' +B@' - C ' ? A') J

$ ' 6-' =*+4-* 7?' (' *07D(0

O &% ' +C ' $! $ ' > ' $ ' 0' C (') 0' L<L' B@' >C . @-A ' +B@A' J,>A . @ ' A' > @' +C- C+' EG' ' B CJ' I > U' E,- ' " @' A + A+,G' +BDC ' +B@' B AU2' >JJ-C+ A . ' +B' B ' ,@ +' B AD' +B@' A>+

* ' 6-' ?(K' 7?' (' *77*6 '

=KPO' = (. . ' C %$, & ' ' " ' ' P ' O=P' B@' . @C ? ' - ' +B@' -C-A ' J-C+ -A' - ' +B@' +--+B ' C +' @ C@+@D2' AD' +B@' @A+ C@' C- A' - ? J,@+@ E@ ? C@' -C ? + -A' - ' +B@' B AU' -C' A . ' - ? ? - A ' #D

E ' 6- ' (007W' L(0* 7?' (' 377*' 70' =67-' W6 D6' D7 -D*=' *6-' =74-' W ' *6' *6-' 6--4U' *6-' W(=*'

A >/' : 7 ' (' , 0(' $ ' . 3 ,) (' ' ? B A@' -C+--,' -C' >++ A . ' B AU ' -C' E--\ AD' B-@ ' X) M' ' , " , !3' ? 0' 4 4 ' KLN

6(* L(0* 7?' (' (R 6-(<' W6 D6' =' 3-*W-- ' *6-' -<K-' (<' *6-' 3(DJ ' W6 D6' =7 1 -' 74<' ?70 1=' =' <0(W ' 7E*' 47 K' (<' *6 ' S! . ' ' ') " ' 0'

W ' 6-' =*0(K6* L -D-' 7?' *E3 K' (' *0E 1 L-*'

OK<O' : ' 1 ' (' &' & (

' L(0* 70' (LL- <(K-' 3+' W6 D6' =7 1 -*6 K' =' (**(D6-<' , ? ' 7' D ' S' ?77*=*(4J2 /

(' 6(* L(0* 7?' (' 0 K' W6 D6' -ED 0<-=' * -' ? K-0

XMKK' ' . ' - &) " ' < ; S' 8 : @ @,,@C ' +@C ? (! E$AU2 ' +B +' C C+ ' - ? J @+B' +B@' * U . @C2' +B@' $ A . ' J U ' 4Q;N' & ' 0' < $00' - ' =) ; = ' , C . @' @A ? @,,@D' $ A . ' @+' , U@' -X@A . @2' +B' ;K / ? -AD ' E- >+' +B@' ! +-A@' AD' ! B AU

!$ ' 4EK ' =*E< ' 70' -(0 ' L07M-D* K' ?07 1' (' 73M-D*' 3+' W6 D6' * =' 6-4<' 70' W6 D6' (??70<=' (' 3-(0 K' 70' L7 *' 7?' (**(D6 1 - *

OMQQ' = L ' , 0' 5 , 0' ' OK' B ' JC A . ' S@D' +' +B@' E-++- ? ' - ' +B@' 3 A J, +@2' EG' + - ? , ' B AU ' JC- @@D A . ' C- ? ' +B +' @D . @' - ' +B@' JC A . ' +B +' , @ . A +' +B@' 3 A J, +@ ' B@ @' B AU ' C@' +-' E@' C @++@D ' -A' +B@' -+B@C' D@' - ' +B@' 3 A J, +@

D ' , --' TE7* /

SMKK' ' . ' - &) " ' A ' =MO S' B@' ! B AU' ^- ' +B@' %, JJ@C' - ' ' O@,,a2' +B@' ,@A . +B' - ' +' +-' +B@' O ,,

< ' 6-' W 0-' 477L' 3+' W6 D6' =7 1 -' J <=' 7?' 3E**7 ' =' (0- ' (**(D6-<

OQ<N' " ' . ' C $ ' ' A' * & "' & %' ' 8;KNN(' 4 , , ' O=O' ' ' B AU' - ' ? @+ , ' ' A+@D' -C' JC@ @CC@D22' +B@' B AU' ' +-' E@' J>+' A+-' -C' +BC- > . B' ' A . ,@' J @ @' -C' J @ @ ' - ' , +@' -C' , +' +-A@2' ,@ A . ' ? @+ , ' +>D2' -C' -+B@C' -CA ? @A+2' -A' +B@' - ' +B@' E>++-A ' ;KLQ' 9 ' ? . 0' $ ' 8;K=O(' KM 4%%) & ' - $. +0' -' +B ' J, +@' ' - ,D@C@D' +B@' @G@' -C' T' B AU' " ? D@' - ' C@' O<N=' C B . . " 3 ' & ' - " ' S ' K-

!B@ E@. A' +B' B@C' @?EC- D@CG' -C' +-' A J' +' +B@'

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6(<4-=' 7 - 7?*6-1' 8=6(L-<' 'W6 D6'*7 D(00+'

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[illegible]

=670*' 07L-' 70' D6(' ,%'^'*'=670*' 70'

- <7?'(07L-' 70'D6(> <+ ; ' D ' :&" /

[illegible]

& ' %'(< ' 6-'L07M-D* K'L(0*'7?'('6 44'

70'*6-' (007W 0 <K-' W6 D6' 4 J-' ('=*-1 'M7 = *6-'

1(== *7' *6-' 4-)-4' K07E <' Y + ' F

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*6 K'F *6-' 0-1(<-0'70'4(=*'L(0*'7?'('*6 K

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[illegible]

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L -D-',=--'TE7*/U ?=6(J L 44 7 '('L711-4

[illegible]

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[illegible]

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[illegible]

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[illegible]

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=*-1' 70'?77*=*(4JU *7 3-' (??-D*-< W*6' =6(J KU

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[illegible]

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[illegible]

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[illegible]

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[illegible]

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4 3 *+', =-2 * /' ' 4=7'D6(*,-/+' 0 (<
*7'3-'('D700EL*7 '7?' '% H 1L-0' 7?'%
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SK8+@' $ - 10' 6 - !(' ' / @ 'QN=' =0 ,! +' ! ,-C " !B A+ @ '
AD' !@ !-A. ' $ J' . ' B . .' $!& >' $' 0' &C@ '
;;' !-'+B@' ?@' B A+@G' '+B@' AD, '-C'B ,, CD' B-C> '
' ,,@D2' >CA B@ '+B@' ?> '+-' 'A) G' C -> ' AD .A A+'
C@?-A +C A @' ': U' A'B D' ?>C@ '+-' A.' E->+2'
B ' . * * ' #' V' <L' ,@' E@. A' +-' +CG' A. A.'
B A+ @ ' $ 0%' : 1. 7' '' $ ' $ ' $' ' "'=N' (+'
@', +' ' / @@J @ '%B A+@G' > B' !' @ ?@A' > @' +' @ ''
$ 10' ;KQM' %' / ' 9 ' ' '&'' ! 'S ';PL' B@
T B A+G' ? A' "+B@' 0A., B' ,-CW ,,' +B@ C',@ D@C' C-?'+B@'
5C@A B', $' 0' $ 0+'X . ' . & ' = 0 ' T' ;PL' B@'
?@, A B-,G' -A.'- '+B@' B A+G),A@A
6 (.E*+ ' ' '-RD' ' 701=F' !'=6(E*-'
=6(R1*--' '" =6 * *--' =6EE *+@' =6(W *+'
B A+G2' ^ ' 5 ' '!!' 8. B+ (' @@' < .!'
B ' . ' 67W+' =1(0*
$% /' 8 ' ' 0' , 'I J + ' B' !B A+@' !J CU2'+B +'
A' +B@' 5 B -A' B +2');Q)' :b' ' ' & ' &,0' A'
0' #' !@C' I<' 2'=P ;' $' * - $' ' .@A+@@,' ? A' 4QLQ'
$' B ' $!' !! ' ' 'S 6' 7 B@C@' '+B@' . G2' @AY
. . A.2' B A+G' 3 @A ' $ &&' : ' 9 ' $ &'' QN' '
+B A@' -C' ,@@ @ '+-'+@ B' +B@' B A+ @ +' >+ ' SK S' 9 . . '
& ' 0' ' ' & . 0' A' , &!& $' 4 ' ;PQ'
.$' (-C' $' ' "/' . G2' B- G' SK = Y V' $ ''
<!& 0(' $' "(? C+2' , ? A.' ;K<L' ' !0' <!& 0('
$)' "(B- G2' , BG2' @ + A.' +-' '+ +@ >,' ?' JJ C@,'
-C' -CA ?@A+
6 (*+' ,(-@ */' "' ??'
7' 4)-' ' (' *+' 70' *-1L70(0+' 47K'
6E*' - D-' 6(> *+ K' " ' ' , 'TE7*'
4K=N ' - ' ' 66 ' < " !$ ' : ' '<Q' 1 - >' @@ '+B@' - ? Y
-C+' +-' ' ? A] B-' B A+ @ '->+' '?> B' ' 'D-C - 'B A.'
'B-?@' ,,' S@D' AD' C@ DG) -C'G->2' 4KPQ' ! ' " ' ')'
! ' & '' ,0' ;<Q' 8O C+,@++' +KM-(2' 3 CU' !B> ' AD' '
C @AD' - 'B 2' B-' @C@' +C JJ A.2' B A+ @D' -A' +B@' ->+,@+2'
*> +' +' +B@' - - +' - ' JJ@C' ' U@' 1 (' #;$' 8 E D (2' 7 B@A'
@' . -+' E U' +-' ->C' B A+G A.' .C->AD' @' @C@' +> U@C@D' ->+2'
'G->' ? G' E@, @ @
; ' 2+ ' S' 7' = * ('K07K =6(*+' 6(3 *E(44+U'
<0 J' ?0-TE- *4+' 70' 6(3 *E(44+' (* (' LE34 D 67E=-'2'
& 'D ' +, , ' :" "/
SKKK' T' $ ' .) 8)' " &11 *') ' ' - ' 2' ' '
J>+' ->+' +' B ', G A.' +' D- A' -' E->+' +B@' / ,G ' AD' > '
B A+G A.' AD'. A.
6 (L' , =-L/' 0?*' ' % , ' ' *6-' =(1-' =- =-'
, **0-' +, , ' , --' TE7*' :" # /
SKK ' B.6 .)' \ ' 8)' 0' ! 2 & .' ==P' .$C3'
%$, (' +@C ?' @ ? J,-G@D' +-' D@A-+@' +B +' +B@' J,> B' -C' @, @+'
,-+B' ') @D' +B' +B@' @B@C+' @AD ' - ' +@' ,U ' ;<N=' 0'
A0' !@C' 4' 'LNQ O' 5->, CD' 'A-+' A) @' - ' ,U' JC-J@C2' E>+'
- ' ' @C+ A' C@ > @ J C+' - '+B@' - --A' UA- A' ' ' B J''
!B J2' -E ' ! ' -C?' - ' P
!B J E,@2' C A+' - ' 1 . '
*' 6(.L(<>'
, -= B JB AD2
^JC@ 'JJ @' - ' 1 ' '' ' 11) V' #A@' B-
>=6(L-=>' 70' L0-<-*-01 -=F' = <7?' *6-' (*-=
$J+J' ' B ' $' 0' "'' 'PQO' :G ' +C- @ + J +
EC@' > +C@A' E@A' B J ADG 'H*0' 0 B JA ADG a2' AD' -?@A'
B@C@' BG,D@'G E) 2' AD' JG>'BG+ @,@' -C'@6@,'E@ -C@
6 (L-' ,L@L/' ' 701=.F' \' =-=D(L '=7=D-(L '
=7-(L' ; ' =76(L' ' =D(L,L ' =D(L-' =76-(L' '
: '=6(LL@' >N ' =D6(L-' ! "' '=6(L
'=D6(LL,-' # !' =6(LL-' 8P' 6(L/' !'=D6(L'
'=D6-(L' =76-(L' '=6(L-' ' '00-L0' ' % ,
-E* ' D0-(* 7 ' D0-(*E0-U' 1(J-@ =*0ED*E0-@' (*E0(4'
D6(0(D*-0U' ?701 ' ? KE0-'D7 ? KE0(* 7 U' LE<- <E1'
, '*6 =' =- =-' (4=7' % , -E* /U' (4=7' <-D0--'
<-=* +U' ?' -E*' * 7*' ; ,>F' =--' 1 ' ' ?
: , ' 7 4+' L43 ; ,+' D0-(*E0-=' (4=7' 70[
< (D-=' <-D0--=' ,7?' V7</' ' -E*' =*(*-'
D7 < * 7 U' L ' ?(*-' <-=* +' (4=7 ' W *6' =E?? R-<
(0* D4-' ; , ,C '*6-' K- *(4=
B@' # ' -CD' 'A-C? ,,G'C@JC@ @A+@D' EG' +B@' D ,2' -C?'
$*.' +B@' -C?' $* '6 - ' ,@A.+B@A@D' - @,' D>@' +-' +B@'
A ,>@A @' - !> & X ,D 'A-+'E@ -?@' -??-A' +,,' +B@' 4 +E' 2'
+B->.B' - -A ,' @S ?J,@ 2' J@CB' D>@' +-' A ,@S -A2' C@'
->AD' @ C,G' A' +B@' ;L+B' a
:' R*-0 (4' ?701' 70' D7 *7E0U' *6(* TE(4 *+' 7?' ('
1(*-0 (4' 73M-D*' 8-C' K-71-*0 D(4' ? KE0-/' W6 D6'
<-L- <=7 'D7 =*=1*' 0-4(* 7 =' 7?' L7= * 7 ' (< L07[
L70* 7 (*-'< =*(D-' (17 K' (44'*6-'L7 *=D71L7= K'
*=' 7E*4 -' 70' *=' -R*-0 (4' =E0?(D-U' (' L(0* DE4(0'
)(0 -*+' 7?' *6 =' TE(4 *+
, & &') * * !0' <!& 0' b' 7 C 7 >,@U@C' ;Q< OM
&!)1! , '%&(' ' 2 P.' , $*0' &%0&&' ' 0 &!!0' & ' 0'
<<' '-A' B@' B-,' ,@ 'E,,@>@ ' B J' AD' E >2' AD' ?>,' - '
->@,@+@' $' 4L #) & ' 0' LQN' : + J,@ ' '8E@' ? +@C@a'
A-.B+' -C E' J +' +' - ' J' A@' E D' J C+2' ';LKN' B '
V ' ' 0' 4NL4' $->AD' '+B@' B J2' A' ? A@C@' - '%-?J 2'
';=OP' +C ' - ' $ 0')!$ '@+ '8;<;N(' < ' ! C A. '
' A' E-+- ', +C>?@A%' BG' E@' ? DD@X2' AD' +' - '+#' B@' ? D@'
- '+B@' B JJ@' ' +' ' J@GA+@D' B@C@' 4PMN X ' +C' ! E'
$' ' & - - 0' OP' A' JJ@,,' - ' -,D@2' C@JC@ @ +GA.@' +B@'
B J@' - '+B@' C->AD@' -C,D@' SMSS' ' " ' 10' + ' ;;' LN<2'
'UA- '+B@' B J@' - ' '4)@..@' SGS-' : ' . '+C ' $)!%'
$ 0' C !& 0' 8;QO<(' ' 4=P' , ' - '+B@' - ? ? -A' !B J@'
SKM-' O 1 . . ' <!$,0' + ' SS ' L=M' O G' JC@ >C@' @' A' E@'
?->,D@D' +#' AG' B J@' A 0%' 9 . . ' ! ' D %' $' , '
SSS 'OK=' B@' ,@C)' J@C -A' -A' +B@' +C G ,@' > ? @D' +B@'
B J@' - ' 'A-+@' - ' A+@CC- . + -A' & 0' ,,' C ,@ 'B @' +B@'
?@' B J@' +' @,, J @ 'B @' D @C@A+' !B J@

: ' - ' ; ; ' , F' *7' =-- 0-'?071' D6(K-' 7?'
=6(L-' + ' , 'D6(K-<' ?071' *=' L07L-0' @(L-
;M<M' : ' 5 ' , .0' $ &('!$ '&* ''9' ' '% A
,,' A-+' C@+ B2' A-C' ,@+' ! + G '->+' - ' B J@ ' ;KL=' : ' -
$ ' ' ' 0' '8@D' =(' P' ' G, AD@C' - 'J J@C2' -C ? @D'
- '+BC@@' I > C@ 2' - ? J +,G'C-,,@D' +-.@+B@C2' AD' U@J+' A' B J@'
EG' J +@
D' 6-'D7 *7E0' 70' 7E*4 -=' 7?' *6-' *0E J' 7?' *6-'
37<+
,' 4L<L' B ' ,& $'' L;' #A' ,,@' B@?' +BA+' E@A' & ' AD'
C->AD' - ' B J' ,' 4=PN ' . .)' &2!$ ' MK2' ' @' E@' ?G'
B D- @' ?G') J@' +B@' G+@2' SG- '+C' ' ! 'C - 0
$ 'S-O,+' D+B +B@ 3 A- , .@!B J@' ;Q)'
' = B 1 ' < $"' >' ' ' ' " - !0' - 'PL' 1 -> ' ? G' ?@@+' ' DG'
- D G' +B' A' @,@. A+' !B J@2' A@' EG' / @.C@@' ' AD' D@, Y
+@,G',@ ' 4KNP M ' $' (' ' %0' 550' ;O=' B +' -+B@C2'
C->AD' +B@',- A ' ! -' ,@AD@C' - 'B ' B J@2' ' 3 B @,' ! -+'
;KPP' ' $) ' ' S ' 3 >D' ->,D' E@' .C -> '+--)'
A-'D->E+' -' ' ' ,-CD2' ' J+ A2' 'J DD@D' B J@
<' 1L0-==-<' 70' 0-L0-=- *-<' ?701U' (' L D*E0-'
1(K-' '-RD' ' ,=--') 'D 'D
,'S) ' = B) 3 'W KL<(' '<M' B@C@' B@ @+B@' +B@' B JJ'
- 'B ,@ +' 5 - -+2' A' +B@' ! +-A ' $' 4LQK') ' 8& + -++ @('
&'0' ,& '8! ! (' 'OPO' F>B C G@' ,' AD' +B@' B J' - '
+B@' U A. ' B J@' AD' B C' J +->C' CM--' ' &' ' 0' SS 2'
3 A@' @G@ E >@' DC A@' +BG' B J@' 4M=<' . & ' 0' O;K
A' ,' & A+@C' EG' C + A.' -A' +B@' B J@,@ '& +>C@' B B' B@'
B +B' DC A2' ' A' +-' +@,' J @A.@C ' B +' B J@' +'
?' ' ' D-0*1 ' 34 D(4' -RL0-== 7 =' E=-<' ?70'
, >' ' !' V0' , ,T, ' 4=7 ' E=-<' ?70'
'L6 47=7L6 D(4' =- =-'
4LM' 7.' C 0' C 0' 0' S' LO' 0-+@' 3 -A' 'B ?' 3 - +' ,GU' - '
3 CU@' AD' - ' B J' '4LKN $"' &!. ' $, 0' 8 ('<=L' " !'
,-CD' E@ +' 'B ' ? U)' AD' ? D@' BG?' +B-C @' 3 'U@ADA@ @'
,GU' +-' BG ? b @, 'A' B J ' ;LLM () . ' & - 0' S 'O' O>+' E@'
G@' @E >A.@D' A' G->C ' B J@' ^ A@C -J)- -)@a2' EG' +B@' C@ '
A>GA.@' - 'G->C@' ++@ ' Se ' ' 9 . ' & , ' ; ; ' *2'
7 B A' +B@' B JJ@' -C' ->C?@' '? D@' m +B@ ,@ +' -C' +EGA.'D-@A'
? G' -,- ' + U@' @' +B@' B J@2' \' +B@' @' , - ' ' + U@A'
G \' ;PKQ' < .) ' ' & '$"' ' A' ?> B' '+B@'
@ @A+ ,, , J@' - '? A -C .' !$%& - ' ' !! ' .& - - +'
' +-' UA- ,@D.@' ' @C+@ A@' 8 -DB@ D' 8@+ a'
: ; ' 6-' 1(J-' 70' DE* 7?' ('K(01- *' 0 ?' : '
R !' ' (=' =L-D ? D' =- =-
$' 40 L' ', T' 0' =0=' " -C@' @ D@A' E@-A' - ' > B@ B@ J)'
\' ,,@' A-C@ +>CA' > (B +' E@-' @,UC@A@' B 7 C+-' B@-'E @)'
+>?D@' ;LKN' $"' &!. ' $, 0' 8 (' ;OO;' @' -C B JD'
A-+' ?@A' -C' A@C@' GC@' ,-E@ 2' A@' -C' B@C@' I @GA+@' B JJ 2'
E +' >?' ?@A' > @A' ,' ;==N' & . ' " 0' SS S 'LM=' -2' B@C@'
' BC- ,D@' -C' ' EC@ @2' AD' - ' B@A@' B JJ@';
Q3 ' (=6 7 '7?' DC@ '
$'4=LL' 6 +' 'O<M' J@G' -CD@GA@D' AD' B >A.GD'B ?'@>@CG

, B' > B' ' B J' B B' 'C +B@C' ->,' +B A'. G(2'
?' 0' 6-' 1(-0' ? 'W6 D6' (' *6 K' =' ?(=6 7 -<
,3+' (*E0-' 70' (0*/U' 1(J-' =*0ED*E0-' (00(K-1- *
7?' L(0*=U') = 34-' (=L-D*'
$' 4LNN) & ' 0' OLMP<' +@C' E +' EZ' D-?@' E@' . >@A' EZ'
@C,D' ,B >@' ' J@' ,' A@>' ;L=N' ' 1 . 'C 0' &' ,0'
=K<L' J@' B JJ@' - 'E@' -C,D' , -C D-A@' E@' , ' 4=NN = B) 3'
8;KL<('SS 'OM< !>?' ? @A' @GA2' +B +' +B@ ' B A' +BD' O-DG' >JY
CD' ' A' . ,@2' AD' E@A@+B@' ' ' G->A' ' AD' +C@>,G' +B@'
@GA' -+B@2' +B +' +B@' 'E@A' - '+B +' B JJ' $' 4PNN $' ' #'
*& " ' ;LK' A' ? & - L. 0' O< # A' +B@' 5CGD G' . -D' ? D@' D ?'
+@C' BG ' B J' B@' * , @ BG ?' A ?@2' $'SG--' 3 . ' $ "'
OQ' > . ' ;MMM2' B@' B J@' - ' B +' +--D' ' @CG' ?@ A@
Q3 ' 701 ' 70<-0' (< (00(K-1- * , ?' W70<='
-*D / U' D7E0=-' 70<-0' ,7?' (' =*70+/'
,' 4L!N !!0' C $! - ' ; ;MN' O>+' B-C+,G' -C' +-' +@,,@' E@' B J'
- 'E ' + ,@2' EZ D>U' B D@' EZ D->)+@C@' ?@A ' %$ " ' &!. '
$, 0 ' 8 (' OK= A@' W C .B+' G A.' AD' B J' - ' -CD@'
B +' B ?' >.B' +-' 2' +B +' .G @ '+B ' C@?@A+
: # ' 6-' (LL-(0(D-' 7?' ('6E1('70' (1(4' 37<+'
70' *=' L(0*=' ,7?*- '7?' *6-' K- -0(4' ?701' (=' < =* [
KE =6-<' ?071' *6-' ?(D-/' D7 = <-0-< (=' 3-(E* ?E4' 70'
*6-'D7 *0(0+'
$'S---' $ - &' >' < ' 0' PNL' 8 C(' J A' B-? ' ,@-B+C ' ? ,@2'
J A')@ @ J>' @AC ' $' _0\' ")!$' $' A+' 'B@' E B@-,D' A+'
@B ' B C@' ,@- , E@' B J@' "@' U@D@' 'E A +' E)+' W C@' @C@'
>AD@+' ,' 4LLN $' B ' &' 0' $, '8$-,, (' QL;O' J@'
UGA.' EGB@,D' JG @' E B@,@C ' 7 @C@' C@' - ' B J2' \' @'
,@C ' ' ;LK;' B 'C $ 0' &)! ' 2 ' ' -C?@,@' @. ,@' - '
B J' +B@' .@A+ ,,@ +@ ' S GS' L ' ,)" !!'8!-??@C(' : : '
P=O' & , ?GD@ ' ' ' - 'CG.B+' GC' WB JJ' 4PMP' :2' . . 1'
C $ ' ' < !!' ;<OQ' 8 3 ,-A@' !- (' "@C' -?,G B J@' +>C@'
B +B' C ?D' C .B+' $ 9&\' = 7 ' ,M' C& -
SSS ' PN2' :' +B AU' ?G' -D' ' B ?@' A-+' - '?G' B J' 4QNN
8 ' -) - 0' 0' =' & - 0' =<' " +B@C') - ? @' +B@'
%->A+CG' @A+,@?@A' +-' C @ '+B@ C' !B J@ ' 4QL=' ++' &!! '
& - 0' (' 8;KOQ(' ')=P' " ' D >.B+@C' B-' ' - ' '
? *@ + ' B J@
*' 3 ' RD-44- D-' 7??701U' 3-6 *+F' ^' '4'
4LKL' 7 G J' $0', ' ` B@C' 'A-+' B J' +-' B ?2' A@' @C '
A@ @' , ';=PN' &) ' $!)$, &) '' 8 KKK(' ;==' 0@>+@@' AD'
B JJ@' +B' ->+' D@ -C?G+@@' $' $JJ/' = ' &) ' '=L' A'
&' ($ &!(' @+ ' 8;<NQ(' QL' B- ' C+@' JC- D@' - '
B-A->C2' B J@' -C' UGA@
D7447T' 70' =4(K' *' + ' , F' D71-'
7) -W' --' (4=7' TE7=' ' : ! ' (< :!&
$' 4QNN O ' ' 0' $' ' 2(&2 '"&) ' $* ('+>CA'
E->+2' ? C B' - ' ;QKP' < ' ( ) ! $ ' 0' 2 2' -'
B@ '-A@' '!B J@ ' +-'E@' +C J+2' -C' ? D@' J@@,' +' +B@' B JJ A.
J- +' SK K' ' 0' 0' C ' 2' !+@J' -C CD2' ' G2' AD'
B- '> '+BG' B J@ 2' ? A
< ' , --' TE7*= / 9'
$' 4QNN O ' \ ' ' $' 0' 2($* (D' 8- +@A(' +-' A'
,, ? D@' 3 A' ;QL!' ' , ') ' (' $* ('
%' A+' ?@' -C' 'A @' ,?+@ A' '+B +' . -@ '@S+C@ +B' + . B+,G'
, @D ' , -' - ' A' ,, ? D@2' CC@. >, C' >?J' - '5,@ B2' \
Q' - ' 2- 1L*+' ?7L' ('<(<+'
$I ') 8 . . ' D 0' ! $ $' ' 2' B@' ? - +' ,,G' E@ >'
AD' B J@' E->+' +B@' +- A

' 6-') = 34-' ?701' 70' (LL-(0(D-' D6(0(D*-0 =* D'
7?' (' L(0* DE4(0' L-0=7 ' 70' *6 K' 70' 7?' (' L(0* DE4(0 '
2' =L-D -=' 7?' (1(*-' 70' =EL-0 (*E0(4' 3- K=
A' S---' A' %- U GA@' $ $)' ,) E '8 KMS(' LM' " 'E@- 'NK'
K@A@' A -, A' -A' ?@AA >?')@ J@ J@' ;L ') & ' 0'
;Q<SP' 88) ++(2' :' >' J-A' B ', % ?', .B+' A' B J' - 'D->>@'
E@' B , . +' ,' 4LQ!' ,0' 0' $ ' ' SSS ' =6) ' +' LKO' B@'
@GAD@ E@' B J@' - ')>A. ? A' +>U' S=-@' & - 0' & '
MLON' 5-C' &C-+B@> '+B +' - D@' BG?' B >A.@' A' @>@CG' B J'
B-?@,G' AD' +C >A.@' ;=Q=' L ' A' '8;KKL(' QM
A' +B@' -C?@' \' B JJ@' - ' ' ? A' B-,DGA.@' A' B 'CG.B+'
B AD@' ^@+ a' ;P3' 3) . ' $' 0' 'LM ' ' 7 +-C)'
+-' +B@' E- / #>C@' - '?G'U A.D-?@2' +-' ' ? G' D .A +@2 AD' +-' ? GA@'
- A@' !B JJ@' . GA@' SM- ' $ - 0' ; ' =L' B->'
- ? ' + A' > B' ' I>@ + -A E,@' B J@ B +' : e/@: :' J@ U@' +-'
+B@@ ' ' - ' 0' * * $ 0' ' 8;K=N(' < ! -' @ @A' C+
& C D @' +B@' / @ 6' > ? @D' ' B J@' SKLL = '
&']' ,- -+' '+B ' 7 ' - ? ? -A' , G + ?) C'D' +B' +B@'
+@ C ' # ' A.@, '+-' +B@' J@C @ +' B J@' - ' ? A' 4<;N ' '
A' ' , " ,!0' ? 0' ' ;N; O' B@' B@C-@ ' - '+B@ C' ->A+'
JJ@ C' A' B J@ ' -?@ B +' C@ @?E, A.' B>? A' E@ A. 'C +B@C'
+B A' ' .-D ' AD' D@? .-D
% 0' S I)' - B . . ' &!" '%"' C &%0' 0' 'S 'S+ ' -' -AD@C'
'E ' B-, C 'B +@' +B@' 3 > @ 2' E@ A.' JC@ @A+@D' >A+-' +B@?'
A' +B@' !B J@ ' - ' ,@AD ' AD' >C @
+ 'E ' L-D -=' U AD' 8- ' (1(*-' 3- K=/' 1 (
%4=NN = B) 3 '8;KL<('&C-, ' =' 7 B@C@'D @,,@A? AGDG' @C @'
5-,U@ AD' - 'DG @C @' !@E JJ@' - ' 3@A' %;=QP') ' 0'
$ 'LK : ' - '+B@' OC@. . @' AD' 7 G, @' - '+B@' JJ@2' B@'
B @' D-D.@' - '+B@' -,D@' B JJ@2
' % % ' ?(' 'D0-(*E0-'
$' 4### ! ' 'QK<8 C (' ! ' 'EZV' @C-D ' @ CD 'E>C)'
E@-CB+@')@ @ J' E DD A' ,,@' E) + @+ * ' S=--' ? 0?) ' '
&' 0' $, '89-6 (' KNPN 1 'A@' , +@' A@>@C)' A@' G' A@' B@CD@2'
7 B +' ? B@C' G. B+' =C " ' 0' B Ja' GE' -' @CD@
3 ' ' L-0=7 2=' 37<+' D7 = <-0-< W *6' 0-K(0< *7'
*=' (LL-(0(D-
SM-S' O ' : - - 'C& $ (' L' 1->' E-+B' E >@' @C+>@ 2'
B A A.' +BC->.B' G->C' B J@ 2' +-+G' = B ' ,0' C& - '
S ' ' B->2' +B->2' I>B- @' ,- @,,@' B)' - ' ,,' D ? GC'D@2'
A' C-E ' ?- +' " B' ' + D @C' JC@ +' ++GCD' SKS ' . .
! ' $!.' SS 2' ' + +@ ? A' J @D] ,-A@' +-' B ? 2' B@'
: ' / @ ,') @' B ' B-,@' B J@' >A - @C ' 4KLQ' . ' 0' (
. ' ' ,,2' !B J@ 'C E->@D2' A' B .B' E-+
7 ' ' 1(K (0+ ' =L-D*0(4' 70' -*6-0-(4' ?701U' ('
L6(*71 ' 7W
O/0O ' : ' < ' ' ' ' ;L` -' -C B J' E D- @ 2'
AD' D-C@' , @' B J@ ' SMS-' B ' \ ' 5>' C !$ ' ' 2'
" @ D >@ ' A+-' ? G' A G(' AD' +B@C@' .,>@ '?@' E # '+B +'
UA@@,@' AD' D-@' ?@' @C> @2' C @' ?@' U A. ' XMMG' = . '
C 0' (' 'M=< O@ -C@' +B@' +@ '+B@C@' +' # A' @ +B@C' D@' ' -CY
? D E,@') J@ ' S) ' .) 7 ' $' 0' $ '' A - ' AD' +B@'
!B J@' BC @UZD(' AD' +>CA@D' C->6D2' AD' % A' E@B@,D' B ? '
SK -' . . ' C & - . (' E ' 10' A' ' P;' >,' B J@(' B +'
C+' +B-> ' !J@ U' : ;KP< - U < .) ' # S) S, 2' AD', +@,G'
EG' +B@' 1@?' / --C' . J@2' % ?@' +@ , A.' +BC->.B' +B@'
/ > U' A' A.@,' !B J@
!) ' 9 ' !D0' %) 0' 8;QK<(' ;PN' 3 AD 'C@,@ @D'
C-?' ,@) ? G' ? ,@' +' -?@' - ' C Z' --,@C @ ' AD' CG'
B J@ '- 'C@ -A' B B' @' B>.' AD' @?EC @2' ,'SK-M' 9) 8 '
C& - ' ' - 0(' $ $,0' $* * " ' $ & 'QO' 7 B-?'A@ +B@C'
B J@' - 'D A.@C' A' D ? G2' -C' +B->.B+' - ' +@AD@C' B JJ '
A@ 'E@+C G
< ' ' ? KE0-' < 14+' 70' E D-0*(4+' L-0D-)-<
4KL=' 9 ' & ' &' ' " @' A@ C ' I> U' --+ '
+@J] ' B J@' , + 'EG2' ;K=Q' % ' '%$ ' ' " 'SSS 2'
B +' A CC- ' C-A+ D--C' 7 ' >AD- A.2' AD' -?@' B J@'
E->+' +-' >@' C-?' +B@' .C A.@
! ' ==E1-<' (LL-(0(D-' KE =-' < =KE =->
5 *7' ' , 0' (. ' 'OQ' B' : +B +' / @ @ +' B->,D'
+) @' > B' .@A+,@' B J@ ' XMSM' O ' # * ' E '$'' ' '
,, ';K 3 G' - @A'B 'UA- A@' B@ @' %, @A+ ' A' +B@' @' B J@ '
0' 'B >@' D-A' +C A.@' +B A. 2' ! C ' 8 /A@' '+B@' DG2' +B@'
-+B@C' '+B@' ! I > C@2' = . ' * 0' 0' S ' =<P' B@' EC>+@'
!@CJ@A+' A' B- @' B J@' 3 A' 'D@ @ 'D' SG C ' 7 ' ' A'
% ' 7 U ' : ;LK' B@C@' C@' E>+' - + ' AD' !B@@J' +', +2' B +Y
@ @C' !B J@ ' @' @ C' B@C@ ' ;KL<< # ' $10' 0' : ; ; Q' '
D@ ,' A ?@D' ! UBC2' ?@,-' B@C' A' +B@' B J@' - ' !-,-?-A
& ' - ' ?(' 'L(0* ' ('D6(0(D*-0' 1L-0=7 (*-<U'
6-' 1(J- EL' @ #' ,D7=(-' =E *-< *7' (' L(0* DE4(0'
L(0*' 10 3' ' *(@-' <0-==' 70' =E * 7?' D4L*6-=
$%+J' ' $ ' %0' ' (V 0' "$ 0' 8;MN=(' " ' =' B@'
->C@' ,@?@A+ 2' A' VC-J@C' B J@ 2' 8 C+ , ,,G' AD' J+,G' @SY
JC@ A.' +B@ C') + @ (' MOL' = 7 '?&' - $'' ' 2'
%-A D@C' B`W' &@C A' B J@', D' EG2' AD' B@' JJ@ C A.' A'
' C@@U B' DC@ @2 ' ' !B@' C@ @?E,@' +-+' & AD@C ' +@C' '
SMMS' 1 ' $%"' Q' : A 2' 9 A +-A2' +B@' E-G2' B D' +B@' . --D'
+>CA' +-' JJ@ C' A' +BC@@' B J@ ' C + ' ' J--C' -? A' A'
-CD A CG' ,-+B@ '+B@A' 8@+ :)' C $!!' $!!' < $00' ;< : >,G'
O S' ! - ?@' A+' ? -A@G' +-' EC A.' +B@?' >J' +-' +- A ' -?@'
E-CC- '+-' > VJ,G+B@' $ ' $5 ' ' CDC-E@] > B') J@ 2'
B-@ 2' AD' .
" ' -'7?' *6-' ?701=' 70' <)-0= * -=' 7?' (LL-(0(D-'
=*0ED*E0-' 0' L07L-0* -=' ' H6 D6' (' *6 K' 1(+'
-R =*
;MMQ' = . ' C 0' 0' L ' =MQ' / @ +B' +B->' B +' @@A' A' E '
C +' B J@' #A' ? A' SG G' ' - ' " ' $, ' (,6 '8;K=N('
MJ B@' A@ ' ? . ' -? A.' +B> ' A' J, G2' ,@+' > ' @@ A' B +'
B J@ ' +') . A' +-' JJ@ C' 4QQ4 L' 8 1 ' !' "' " - '
?' S 2' / A.@C ' - ' @ 'CG' B J@' AD' A ?@' ++@AD' +B@'
-,,- @C ' - '+B@' ? E ' SK--' 0' " - ' ' LO=' A'
+-AG' - '+B@' >+@C> 2' -C' A' CC@.>, C +G' - ' -A+C + -A' - '+B@'
?> >, C' EC@ 2' >? A.) C -A ' B J@ ' S) : ' .)'
, !! ' ' &' ' , <!&, . '8;K=M(' &C@ ' P' B@' -,,- A.'
+C' A , + -A2' A' + ' -C . A ,' !B J@2' 'J>E, B@D' A' @C? AG'
4KQ4' - ' & - 0' &' 0' 8;KQM(' 2' S ' P;' B@G' @C@'
? , C' +B' +B@' +B A.' A' ,' ? AA@C' - ' B J@
3 ' 6-' L60(=-' E ' ' ,CN9/ ' ' =
7?*- ' 477=-4+' E=-<' ?70' ' (+' , 7/' 1(-0' , 7*/
(* (44
;QP;' ' . . Q ' A' ' ' '' 8% A>,@A(' LK;' 'G->' ,,'
J,@ @' +-' A -C?' ?@B- ' ' B G' E@' > @ >,' +-' G->' A' AG' B J@'
;KSK' ' ? 0' $- - (' SSE' B@' -CD' 9@@J@C' C@ -, @D' +B +'
E@' ->,D' D-' B-+B A.' +-' - ? ? +' B ? @,)' @ +B@C' A' -A@' B J@

; !

-C -+B@C SK P] ? & SS 2 ?A A- B J@ -C+BG
- G->C C+B@C C@2
;N $* &%H $@JC@ @A+@D EG2 @?
E-D @D A 8 J@C -A -C+B A.(
K>/+< & ' & "=; 5 ?@2 A+B@ B J@- 3C &-C+2
" D +-,D2 +B + ^@+ a ;KLQ . . / 0 ;; 2
7 @+B@C@ 3 , + CG$>,@2 A+B@ B J@- J--C O@ @A ,
E # +B@A +>C@ -
;QP= " & $ ' ' OL 3 G2 B@C@ A-+B A.
@, @ A+B@ B J@- A@ E>+ ? ,, J-S AD ? , CG @ @C
;KML % .) 8 % 30) ' ' , : B DA-+B A. A
+B@ B J@- --D) ;KQ; 1 C $" 0) 0 8;K<=(
MQ2 ;,- @@ @CG+B A. ?+B@ B J@- ?->A+ A
A +B@ -C? - 2 @S + A. -C JC@ @A+ A. + @, 2
^SK ! $!@C ;; &) &' ?&&. : A
C@ D AG+B A. B B ,, $ 1&&.0 B@C@ C@ +B A. A
+B + B J@) B : AA-+ ,,- -C > B a ;K L
A) ' ' 0 S, 2 : J I>@ A-+ ?G @, >J-A ? A . A.
+@@, A AG -+B@C B J@ +B A +B + - C X-C ;KLP
= .. , $ - 0 & &* 0 S '& (- . A D? -A
@ @A A+- +B J, @2 + A@ @ CG -C +B@ A J)+ +-
JC@ @A+ + @, A A >AEC-U@A -C?2 -C A +B@ B J@ -
JC@J- + -A +B + @ ??@D +@,G -,,- A. ;Z 8% $
= C 0 ?$. O)O2 ? D@ A @ CA@ + JJ@ , -C
C@ -.A + -A - B @C @ A+B@ B J@- ? ,, J@A -A
/@ A +@2 C@.>, C -C JC-J@C -C? -CD@C,G
CC A.@?@A+ &BC & $. $* : &*) ' & $* 0
$%JJ - I) & $, B 2 : ?A -E> @ +B B
C>-,-> JC- @ +2 AD A EC) + +-A- B J@2 +B + + ,?- +
-A ->AD ?G J +G) ;QPM . 6 ' .) A ,,
0 0 !@C B A. E) A +- + U@ B J@
SK - .. ,. & !$: 2 ! A @ A +B + D D@ G
J,@AD->C B DD@A --U B J@ AD ?-+ -A ;KK= B
?$,&'(S OON "@ I>+@ ?> B + ,U@C 7C +@C2
AD E@ + #>+B D->.B+ A+- B J@ A) UU . ;K<L $2
- 4% OM S) + B .B+ ?@+B + +B EC A B - +B@,
B->,D E@ +BC- A A+- + +>+-CG B J@
+,O A ++ +>D@ 8 A +B@ ? A@.@2 D>A A.2 @+ (
$/>% < 7 < & "&" 55. 50 7U) ;N PPP
-C B@ +B + >,+ 2 -C. ?E-,D E@ + A B J@2 % A --?@
E- +8G@+(AG?E,G,GU@ A J@ SM- $ - 0)
A -C.@CG - B J@ AD +C U@ 2 %-?@ B-C+- B + B@D D
*) ' ' ' !" 0 ;ML= -) C . 0 $ 1 ,. * 2 ^ + ,-C
G a 5-C B -A A. - B J@) AD >++ A. C- @)J@C
+>CA@ ?@ - +- ?G +C D@ . A@
*& ' 0 %-AD + -A +B C@ J@ + +- @ @A G
-C?
4<N4 ,& - $ ' = !@J+2 !B@ ^ G D +a @@? A -C @
B J@ +B A + +B@ E@. AA A. - +B@ @ -A
! ,&', 0 A +@ BA , > @ 1 &&. "0
?->,D -C -C? A. *@,,G2 E, A ? A.@2 @+ 2 A+-
J C+ >, C B J@ J-C+ -A - *@,,G2 E, A ? A.@2
@+ ?->,D@D A+- A -CA ?@A+ , B J@2
;QM< = 16 .) % !0 &) % .* 0 8;QQK(1-> ?> +
A-+ J>+ +B@ B J@ -A +B@ *@,,G + ,, G-> C@ .- A. +- ? D +
+- +B@ + E,@ ;KPN B *&' > * &) "S 8;KPL(
L=N !B@ B D *> + +-,@A E) @ - E, A ? A.@ S7J
7"< B.) - ' !5 (B@ J>DD A. @C@ .C->AD
C @ ?->,D2 T B J@ 3C 7 @, B ,,@D +2C @ ? ,U ^@+ a
E !! ' "0 B@ E-DG - +C E-AA@+ -C
-? A' E + -C J JC@ -> +- +C ??A.
;KK; !! ' - $. 5@E ;P ;5C + , ? ,, A@C
JC@ @C +- - @C +B@ C - A B J@ +B J,> B
J-C+ -A - ? +@C , >+ -C ?->,D@D -
+- B @ J C+ >, C B J@ * ,(J @ @ - C-,,@D
-C B ??@C@D C-A - C- @ + -A D @C A. C-?
+B + - ?@C B A+ E C , - 8 @@ I>-+ ;KQP(
;K=P = = : ' 8 .. $' 31.0 3- $. ' Q;
O@ -C@ +B@ @, @+ >+ ->+ A B J@ 2 +B A J J@C B->,D
E@ .>??@D + +B@ E U ;KQP : 7 0 , 0($* (
J @ @ - ?@+ , C->.B@D ->+ A@ C,G ? G E@ +- +B@
B J@ + ,, >?@ B@A A ,,G -C.@D AD A B@D
D $) 0 -A@2 E ,,2 -C DC>? - ?@+ , -C
A > @D A .A ,, A.
;KQ< A C@ $ - $' * 8@D M(;NN BC@@ E, UE ,, -C
B J@ @ B + - @@+ A D ?@+@C
1 7B + D@ C@@D 1 0
? & 2) !% 8 C(7 >? >A, A -! -C>,D@BD@2 E@ ,D-A
B@ E)@ @ J $ A ! S, O= 8 C(-A. +- @
. AA@2 B> EGC@ @ ,D-C @ @ + D@ +@C .-A.@!2 -B GCD
!@ @ J> ;LLK $ B . &' 0 8;QOP(,- # -D@
-CD A A @ B@ -C -U@ (V@ B J $ 4=NN PN $! 50 ;KN
!@A + @++ +- E@ -- \ , J@ + A@ ? G2 @ B@ D +- E@
A A-,) C@ B J
1 B@ @S> , -C. A H +B@ D + A + @
-C. A - @ +B@C @S) - $!0 A A CC- @C @A @2
T +B@ JC +@ J C+ - @? ,@ " =B? ' 0 $!0 0+0
$ S--- A ' ! $ 8;KKK(4 O J @C B@ -A B @ J@,- -D@
\ B +- E ?@C@ B,-B , ;SQL - 10 & ' 0 ;PL I +) B J@
B@ D->@, ?>)@! A D@?@, B@B @AA@) B + E D C>+- .) E@
D@D@A , S -- ' 0 &!!0 & '(MQ : B J@ D D@ B + B + A@
B-,D@ , 4LKM B C$ 0 0 5 = W ,, -? +@ -
B@? B@ @A +B@ E- @ - B+C B J , ; =) .> $!LP
O>+ -A@ B G B D@A GAA@D2 B G @@A B-C E JJ@2
AD @CA B ?@+ B)C- 2 AD `) DD@A B + S1G+B ,@>@ -
G..@ ,C@ $;PO< . 0) - - " ' PNQ %->@C +BG
A J 7 G+B - ?@ ,GJ , J ;ML<) < & - *!0 & - 0
K @+ B ? + +B@ -,D +@C >J-A B@C WB J@
2 & - 10(8)A @ P( ) * % (
Ꮸ % ' D* AD E 2 ^, $ ' ' D* 8 @A @ ;= E(
.$* 3,& H B J@), U@ $0(-?@,G2 ++ A.
+ B J@ ? +C@ 8 @@ I>-+(B J@ ? +B2
B&,) !$ (-C @+ ? U@C
SM 1 > 0 B 8;MOM(O; O+@ -D +B@
E,,- @ C- A'D2 !B J@ B A. A. &C-+@> 2 C +-A BA
c&Rc $!" & ' 0 9 3 G N = !A J@ %- @C@C A+@D -C
A@+ -CU ;MQ 5 2 $ 0 &) 0 ;P O@ -C@ A
G->C ++ B A. G->EC A. +B@ C+@CG AD @ A+-B ->AD@D
@,,- 2 - B ,,G->+B@ , U@,G@C @ >C@ G->C @, 2 AD ? U@
+B@ -CU ?-C@ B J@ , U@ SK - : 8(3 (C& $
QN 3C ! C B 3 JJ ,,@D +B@ E-A@ @++@C2 -C

B J@? +C@ ;KKQ 7 " (0 = ! 0 :: ;<
" @ , -2 , U@ #D A2 B J@V B +@C 1 (PN
O@, @ A 3@+ ?-CJB- -C B J@ B + A.
(B A 9>A- 3@G@C &"0? $'!0 O;; 7 @-E+ A .B? @
- +B@ B J@ B + A. @, -A @ , A. J- @C - > +E (@
/ A AA 4Q4P< !$ - & ' <K -+ G@+ EC- D@G@EC-
@C@ C@D> D EG J +@ - B J@ ? +B @+ >J B-J2 AD
DC- @ +C D@ - ?@AD +B@ -CU @ &C- D@A @E D ? D@
6(L- 8JJ(2 & + B J@D 8JJ+(J
JJ,@ B J@D 8JTJ+(2 $, (B J@A 8 J'A(
5-C? ' %0 AD * 03 - - -@JJ A2 GJ
J A2 = B JJ@ * 0 ' 0 L B>JJ @ !2 8 -C (
-B>JJ@,!2 = -B@JJ@ !2 @JJ *0 L J@ 4 (
* 0 ' 0 B@J @,!(2 = P B JJ@2 L) B J@
C$0 0 $0 &' 8@(.J2 L B-J2 = B--J2 M
B--J@2 B-J 2 = M B-J@2 ,0 -B>J@2 9
B- J@ = @B@J 80 L - J+@2 -J+@2 J+@2
L = B>J+@ "0 = B J + 8 \ (2 B J+@2 -B
J D@2 M B J@D !$0 **! 0 $0 -@ J@A2
-@J@A2 L B J@AA = - 0+(@ J@A2 G J@2
= B J@2 -B J@2 B JJ@A2 = @B J@A 80 L
8 -C (E>JJ@D2 = -B@J+ "0 L -B@ J@D2
= G B J@D2 = B J@D ^ %-? @A+ +C
@CE2 +B@ -C . A , -A*>. + -A - B B ->AD
? ,+@C@D -A,G A # 2 #5C 2 #! 2 AD -+B 2
B ,@ A +B@ -+B@C @>+ , A. 2 AD A 3 DD,@ AD
3 -D@? A., B2 +B@ JC ? + @ ,@S -A , -C? B @
E@@A ? -C@ -C,@ -?J,@+@,G C@J, @D EG A ,-. ,
A@ -C? + -A # , **$'(,9*(,$* ' -CY
C@ J-AD +- #5C T **$(. *(. * ' 8 7 5C
. ** (.& *(. * '+(#! T , **$'(3, *
T3 ,$*$'(<& 0 $.$*B, - (3 &*(3 .$*$'
+B@ @A @ A ,, +B@ @ , A. T +- C@ +@ p2 -
T +- B -A' A @ C,G 3 A@ JC@ +@?
$* -C?@D -A +B@ A ,-.G - +B@ J JJ,@ 2
AD +@C +B@ ;=+B - ?J,@+@,G +--U +B@ J, @ -
+B@ -,D@C ** (** 0 B@ +C J + >C @D
A+- +B@ ;=+B % 8 A ! + ,, , +@C(2 E>+ A 3 + -
D + @C@A+ @ U -C? + -A C@ , - ->BD)*
8 (C-? +B@ -C . A , JC@ @A+ +@?2 AD $*
C-? +B@ ,+@C@D -C? $* 0 A +B@ J JJ,@
3 ? , C,G D@ @,-J@D + - D + A + @ U -C? 2
- + C@ +GJ@ , * ++D $* 0 5C-? +B@ M+B
-A CD 2 $* B E@@A T C@.>, C" @ U @CE
8J + AD J JJ,@ $* +(+B->.B +B@ J JJ,@
$* ' + ,, >C @ A C B X A. > @ B@ @CE
B E@@A A ,>@A @D A @A @ D@ @,-J?@A+ EG 1
10(- B B + JJC@B@AD@D D@C + @
A -A+ A@A+ , @>+ +B@ B A.@ A -A*>. + -A) @C@
? , C +- +B- @ +B + +--U J, @ A 3 A DD + -A2
-.A +@ @CE C@JC .A # @>+ +GJ@ F .$* B$ ' E@ ?@ A -?@
D ,@ + - A D@A+ A -C? +B +B@ @CE C@JC@ @A+@D EG
+B@ # AD -+B -C? E- @ 5>C+B@C2 @C? A AD
/> B @ C-? +B@ C @ C, @ + UA- A J@C -D B D @CE
?@ A A. T +- DC +@C 2 D@A+ , A -C? 8 AD J@CB J A
@+G ?-,-.G(+B +B@ @CE *A@ A A. T +- C@ +@ A +B@ @,D@C
+ .@ - +B- @, A. ,, +B@ -?>. + -A , C @+ @ - >C
E-+B ?@ A A. 2 E>+ >E @.>@+ + G+B@ 1-CB ?@ A A. +-
C@ +@ AD +B + ?@ A A. T +- DC +@C " ?@ +- E@ D
+A.> B@D +BC->.B->+ EG D @C@B @ - AD@X -A B@ -C?
C@ -,,- #5C F . **$(. *(. * ' +- %C@ +@2
J + 2 C@ +@D2!2U@ + U 2 +- DC +@C / >
, ** ' (, *(,.$* ' +- C@ +@2 , ** ' (,. * (
, ' * +- DC +@C # " # , * ' (,) %(,D%%$'(
H 3 $%%$'(,$% $0 , . +- %C@ +@2 +- DC +@C , -
,$%% ' U 2 +- -C? 3 " # , *% ' (, *% , *% (
, - , ' (,) &%($%% ' (AD - , $% ' 0 ., (
, $%% +J C@ +@2 +- D-2 +- DC +) C ?-D6 ** ' (
,. *% (, %%*% +- DC +@C2 @ C, @C , - +- C@ +@ 8
, *% C@ +-C(, , B% ' 0 , .) % , $%% ' +- C@ +@
,. 8 ' (, $%% (, $%% +- D-2 JC- >C@ # . *B$(
. * AD .$B 0 .$* 3&>(, - ., * (. *$ %$(.$* 13 +-
B J@2 ? U@2 -CD A ! .$*$(/ .$1 +- C@ +@2 ? U@2
B J@
B@ >,+ ? +@ @+G ?-,-.G * -E >C@ !-?@ B-, C B @
>..@ +@D +B + +B@ -C . ? , @A @ +- DC 8 +@C(C-?
->C @ 2 AD +B + +B@ @A @ T +- C@ +@ +- -CD A C@
D@ @,-J@D C-? +B # +B@C C@. CD T ., 6$ ' +- DC +@C
8 B B C@, +@D +- # @>+ F .$*&0(# ! ,$*(# " # $ (
?-D # , $%%(@ @,2 E> U@+(D + A + -CD C-?
F .$*B$ ' +- C@ +@2 -CD A 5-C -+B@C D@C + @ - +B@
@>+ C--+ T .$*3 !@@ 6 C) T2 ! " ,5 ->+ D@ @A+ A-
-.A +@ C@ UA- A2 >A,@ +B@ C--+ T .$*3 E@ A ,+@C@D
-C? - T .$ 0 8] JC@ @>+ T .$. (@@ 3 /
0 - C@ +@2 B -A2 -C?2
, $' 0 - C@ +@ , , +@C A @2 +- -C?2
B -A 8 D - -D -C +>C@(
5C-? +B@ E@. AA A. - +B@ ;=+B +B@C@ C@ AD + -A
+B + +B@ @CE ? +B > @ -?@+ ?@ J VC@B@AD@D
?@ A A. T +- -C?2 B -A2. @ B J@ +- AD A +B@ M+B
+B@ @CE2 +B->.B + ,, > @D - -D2 ->,D JC-E @)E@@A
C@. CD@D -CC@ J-AD A. +- %& - $ 0 A +B@ ;Q+B +
@,+ +- B@ B A JJC-JC +@ -CD +- JJ,G +- -D -D
? U@ 2 AD +B@ ,-C B J@ 8O>, @C ' . &*& - 0 OPM
$ +--- - & ' > < ' 0 ;OQK 8 C(aV E@ D ? @-J , 0&&
; [PN% \ ,@ B J@AA ,, - A-BB+2 \ B @,V*
BC AA@ ? BB+@ $ 40=N [6) ' A 0 0 & ' 0 ;K< "
B W D-B+@C B> B V+ C +@ AD + (V + B J@A
^ONL E@ J@Aa) ;LNN $ &2 0 !! ;<M 8 " C, 3 ! (
") C B ? B-> @ D@ + B + ? ,@>@ ?-D@C @ E-C@A P
B J@D - " @GB I L I B ! . 0 K)Q" C D@C
%>C @+B +B@ D G AD +G ?@ +B + A +>C@ !B--J B ?+- E@@A
G @ C@ +>C@2 ;=MN &2 ! " " 0 ;Q= -D +B + B-J@
E-+B @C+B AD B@>@A2 JC G+- +B@ +B->B@C@ ?G +@ @A ;PL<
'8 C@ +(C 0 +P : B J@A A U@DA@ @ 4!PQ
B ?$ 4; 9 +&C@ * E2 ^ B@ @a EGCD@ E@ A.@
+>.B+- +B@ C A +>C@2 E B@ ,? .B+G -D.C +@D A+B@?2
B@A B@ B-J@ +B@? AD ? D@ +B@ ?+-D- -

i E A%$ 0 **! 0 +>C ,,G ++@D -C, U@,G 8+-
D- -?@+B A.(1 0
> ! B ?), SS ONM B@ D-> B+G ,-CD /- .,
O@ + E J@A -C +B + +C @,, S -- ,!) ' ;P;
B + ? A E,@ AD B JJ@A -C +- >ED>@ \ J>++@ ADC@
BG? ,, +B@ -C,D ;PLP & 0 OM= E2
DG@ @C@ A + B J@A A-C ? D@ +- @AD>C@ > B J GA@
/ - ? U@2 B -A ->+ - JC@ @S + A. ? +@Y
C , A , +@C > @2 +- ? U@ EG ,+@C + -A - B J@
8 EG ?->,D A. -C C A.(&) &% -?@+B A.
@, @ +- ? U@ A D@ A +@ B J@
, ;NNN F-.6 < $ - (SS , 4N0+ ;Q= ' &(B,)@
-! @ GJJ@ $;LNN) & 0 ;MPQL G@ C-D@ J + -J J A
J ,D @DC@2 +JC@ 2 AD - J A@2 , ;LQ= B
' !0 , 0 LPQ 8 AA@C 3 ! (B@ +@ ?J,@ B + B JGA
G@ B ,, +GC B@C@2 $;=NN LN $! 50 ;;L "@
B J B ? - B C@ S "+ ,, B J ? AG 4=QN KP = K
#$1) S A M<K AD B A +B@ @ +BC@ JGAD@,
@C@ B J@A2 B@ ? D@ B@? +- E@ +A@D J-A +B@ @, C -
+B@ E@DD@ 4P<K " 0 O=N %-?@2 +- +B@
5-C.@ +B +2 +B@A B J@ + ;MMP ' , & 0 ;P=
!B@ D-@ E@. A +- @-?@+C X@2 B J A. 2 J, A@ C@.>, C
.>C@ 2 +C A.,@ 2 >E@ 2 \ SK-) & &) !
S 2 B@ C-J@ !B J@D - +B@ +@D AD G-> @@ ;K<L
/ : N$ - 1 ?$ ' S O=N , C.@ --D@A
?-C+ C B J@D ->+ - ,-.
E # +B@ -C. A - J@@ B - -C?2 C ?@2
JC-D> @ 8 ->AD (
, : ' 0 &!!(& ' 0 O;; >A.@ AD +@! AD , JJ@ -CD
B>JJ @W ?>D @A+ >+ J@ +@ A@ $JO 3 ?$ 0
C 0 0 SS 8O-D, 3 ! (2 - E J@ - @ @C -A.@
A J@,@>@ - J@,>A.@A
- - C ?@2 B -A 8 A ?? +@C , +B A.(+-
? U@ -A -C? E,@ 2 8 J ++@CA(
$;LNN) & (OKNQL >D ?@A ? > ? I> + ,@C@2 +-
J@) C C + + J ?J,@C@ %[=NN ? 0 &" QO
%-CA@, > +C A , +@D + A+- , +GA E>+ B@ B-J@ + - B-C+
J + ^@+ a SWQ= & - $ 0 C !&!0 O<< B@ + +>@
D-@ A-+ C@JC@ @A+ ?-C@ +C>,G +B@ C+ + ? . A + -A - +
>)+? +) D-@ +B@ -CD +B@ ? AD +B + B J@D +
D & $* &) +- -C?2 JC-D> @ EG . A.
B J@ +- ? +@C ,
SM-- : +C &> % ,$ A+C-D O< + +B@ @CG ?->+B
-C ->+ ,@+2 D J@C A. + @, @ A+- + - EC A B@ 2 + E J@+B
->+ % @ + , AD ;QPM % +C & $, (* 0 ;;
8;KOM(:: O<L 1-> ? G B) ->+ AG +B A. +B > B ?- +
, G $ J+ ..C ' ,0 < &!0 L;O %>CC@A+ AD + D@ 2
AA-+ B J@ ->+ -C ,+ >J @ +> A@ +B->+ ^@+ a
@ & $* & 1 5 +- C@ B -A %
-$. & (= I <O D
;KQP 9 % $' 0 PL B@ ?@ A ,>@A @B@,J@D
+- B J@ # @C @C+ AJC-A-? A ,@,@?@A+ A+- +B@ J@C
-A ,@AD A. $' (- $ (AD 0
*$ T -B @ @C+ A B J@
, S---) 5$ A ! @@+ 0 & ' 0 > Q & @ J@
+@)) @C-D@ B @ @ ,D-C ,E@ @)@C AD , + * S@
@ JWA ;L V 0 ! 0 M=MP 5-,U@ B@- E>+B >, @- @, G
B J@A "@-C@ ?->+B C-? +B + -A @C@ +- +B + -+B C
m@+ a S !) ' 0 C$! - ;OM " - C@ \ B- @+
+ W \ A) B@ B J@A ;=LL # : V ' A0 S, 2
GU@ +- A@ B@C+ B J A @C ,G O/%+ M X +C ! 3
$ ' > & - - 0 ON<E2 B@ ,-+B - B J@A2 +B + + - @C@D
, - +B@ -+B@C J C+@ SM - ' ..) $ - ' > ? (QL<
!B J@D A -C?@2 -A@ ->,D G2 - A @..@ S)
9 7 ? 0 C!$ ' : OSP $@ @J+ ,@ @CG ,-A.2 B J@D
, U@ +G,@ ;KK= = 9 .6 ?$1 " > < $' - 0 OMO
B@ B@ D 7 @,, B J@A)
! - >+ ->+ -C B -A 8 ,-+B A.(1 0
J@ @A @
$ 4& ' , 0 0 #88 " > @ @>@C B C@ U>++@, E@- B@ J@D
#D@C @-> @D2 B@- ^@+ a 8 ' # ' 8$-,, (2
OMN ! B@) A+) E E-J B E ?EC@2 --A -C +-
B J@ J@ B ?E@C, G B ,GAA@A @,-J@ ;PKL = .
C !& -) 3 * 2 + A-+ B CD -C +B@ 4 G,@C +- B J@
++@ .) ?@A+ -C +C .B+ E-D @ SM) .. 6)
$0 + 8;) ;(O= B@C@ -C@ + B CD + U +- B J@
- + - ! B ? + U 2 #C +B@ 3-EA2 B B B A.@+B +
B J@ @>@CG D G K K 0 (C 2 +B AU A.
- B@C J--C ?-+B@C B@A B J@D +B@? ^.,- @ U
$1 &!0 , S=4 ' . 3 0 C ' ,0 =QL B@ + 6->C 2
+C- 2 ?--+ E@@C +@C J-A@ !B J@ A J@ @@,D X)MK
; C %0 & " ' $ " G 0 8;KQ;(= B@ 9 A.
G +- B ? FB?C+- ,D +B- E@ ?G+ ,*@->C +B-
A A->+B@C B J A-C @ " ;QLK &2 O B@
7 D- A B J@2 AD +B@ 7 D- A J@ S!
C $ S 2 B ?E,@+B +@ ,@+ A- -A@ E>+ B ? @, B J@
-C .,-C -> : -BA2 AD B@ B D , B A. E AD + ,@@ @2
C . - B -A A ? .@ - 2 J-C+C G2 1 0
%4L!# !!0 C$! ' LO;= ! @+@ C@2 ?@ G@ B +
.A@ J@,@>@ + +- B >@ B J@ A J B@,D , 4=NN 0
%" 89-,E A.(;PKQ J-A B + G,@ @AD@ aJ@C @E J@D
.CG ,G B@D $;MPN ! &1 ' & % C& ' $! SSS A
C , " &!0 0 0 O=N " @ B-J@ +B@ C- @ A B C .B+
B-, @C - +B@ B +@ ,@ B \ +B@ C@DD
i E - JC@ @A+2 @+ 8 A @S ?J,@(1 0
MX- & - ' $ ' ;KP 1-> - ?@A D-@ A-+ ,@ >@ +B
@S ?J,@ A ? + +@D2 B B B@B +B B J@D G->
N 2B $* &) H +- D@J +2 D@ C E@ 1 0
4MLL = Q ' & - * 0 5 L : ? >C@ B@ B J+
?@ ->+ +- E@@ +B@ C D >,-> @ + -,D @ A >C-J@
D & $* %& +- J +>C@ +- @ +- . @
A ->+, A@ -
;)Q< 7 9 . & ' %) 0 $ - ($ O<E2 B + ->C @
B B +B@ -AA@ - -D EG B @S ?J,@ B J@D -C+B A+-
+B@? $ $+ $ " & % 0 A (B@ ,-A@ !@@+
!B J@D -C+B D @?E-D @D 7-C,D ;KL;] 0 & 0 S+ 2
3 G B>?E,@ >AD@C + AD A.2" D .@, +@ 2 T E D E@@A
A A +@,G A @C -C +- +B@ ? A .@?@A+ - - . ->
B@?@2 B D + A-+ E@@A B J@D -C+B AD >..@ +@D EG +B@
A ? + E,@ D-? - G->C ?J@C , " .BA@
; M - JC-D> @2 > @2 EC A. E->+ , - +B
D A @ - E* 1 0
g ;LSP ' , AD .,-C+@ " + B@JJ@J))@ ? A
D@Ga) AD B ,+ C ? J>C. +-C@ ;LQQ 7 . C C 0
Q< O

1"0 O@D ' ->'D' A-+ -CE@ C2 B- ' B J@,@ ' -@ @C +B@' ?@ +B '$@, +-Aa ? G'E@2 +-'JC@ @A+ + +-'1->C' "-A' ->C' ;QN< &-C@ ' 0 ;PK'!-?@'-E*@ +'J,@ @'->C'@G@' 2 B@' B J@,@ 'C- U2 -C'B A. A.'JC@ J @' ;QQN'< .) (" E0 =Q!>AU C@'+BG'E- @C' A' B J@,@ 'C> A' ,,' ;)<< '#'= ') 0 $2' $(;Q' 'B J@,@ '-?J+ ' +-A2 A' B B'C@ -A',@'E>C@D'>AD@C ' ? ' ' >+B-C+@' AD' I>-+ +-A ' SK S ' C &- 0 E'10 'LM AD' B J@,@ ' .B+' -?@ AD@C A.'EG2 B@'.B +,G'J@-J,@'-' +B@'C@ ,?'-'DC@ ?' 4K<4 - ' $.'0)' $2''S,S' ;PQ B@' + +>@'B D'E@@A' > @D' AD'D .>C@D' A+-' ' ? ' ' B J)@ '?@+ ,

/' /@ + +>+@' -'E@ >+G' -S' @,@. A @' -' -C?2 >A' B J@,*

;PKK' b" 9!' 0' 0' 0' 'LNL' @+' ' -?J, ,A@' +-'+B@?' B +' --,@' @C@'B@ C@2 & .> 'D',U@'3> ->+@' A' B J@' @' .@ C@' 4P<N ' &- 0 0 'ON "@' 'D@-C?@D2 C--U@D2 -,D2 AD' @C@2 ,, D2 -C @'E-D@D2 B J@,@ @>@CG' B@C@2 $' MMS' ') '+C' " '$!'! +' S'8;MQL(;<' ' B J@,@ ' D'A-' GC A+'@C@' D D' ? U@' " 'D@C %J>C+ I>A> B' ;Q3'< ' ! "'Q<'!-?@' C ,'?@?-C , +,'@C@ +@D'A .B'7 +B'>A ->+B'CB ?@' AD' B J@,@ ' >,J ' +>C@'D@ U'D' ;KSL' ' - 0 'S *'A'B J@,@ 'B'C' +@C '-'G-C) B@' . +@' +B ' +@CA' A C J+-A' E-C@' SKMK < ' ' 0 &!' 2 B@'-,D' -?@A' +'!?GCA ' C@',U@' U ' 1->' @'A-+ .-+ ,>? G'>AD' B J@,@

' 7 +B->+ .>D A @'-C'D C@ + -A2 ?,@ 2 $ 0 /O0 ' : '< ' '+'K - 7 @ C@' ->+'+BG'G->+B +B' B J@,@ @' D,@A@ @' ;K<N T 0 .) 3)'I &!0 %& - '8;K<;(;LL' B@' DC>AU CD' A@C @,@ 2 B-J@,@ 2 B J@,@ ', @'A'D@)

"@A @'!,) J@,@ @

4PKQ< .) 7' &-$"' ;NO 'JC-J@C' ? . A +-A' >C@,G2 '+-' +B@C'E '-'-CD@C,G@ @A @ JJ-A'+B@' B J@,@ @' A@ @'-'A'%B -2 S) ' ,&'L'# +'L' B@' A -B@C@A @' AD' B J@,@ A@ ' B B'!C' @# .@ @ @,' >A+' '+B@'J@C@ Y +-A'-'B>? A' -A+C A @

!B J@,A@ ' 8J) J,A@(' ^ ' 1 . ' ' i'

90!! ' B@' -AD+FO' -'E@ A.' B J@,G

;LKK'9 .6' '&!0 'SP" ' B JJ"A@ @'^;LKO C' A@ @a' ' -'+B@C E A']'C 0 S, 'P O B-,D@'+B->' A' +B' B J,GA@ @' ;Q)'A'# ' $>%A">K' ' '9 .1 . ' T ' ,0 C$' 0 8;QKM('O<=2 B@' B J@,A@ 'I ' +B@', ?@' AD'B-C @ B@ A>+' KML' 8 B ' $!$ ';' 'OL' C>@2 ' .--D,G'? A' 7 B +'B J@,A@ ' AD' + +@'B@' B +B' ;KK=' :'$' ' ' A' &' -*0 (# +'=<Q 7 B@A' @' J@ U' -' -@+B@' 'B A.' C@ +@D' +B@' ,+@C +>C@' -' @C? AG2D-' @'?@ A'+B +B@'EC->.B+' +'E D@'C-?' ,DA@' +-' C@@U' B J@,A@ ' AD'D@ -C>?

i'!B J@,A.' 10 $ V' ^' 1' ' i'

'O a' ' ? ,,' -C?'-C'@?ECG-

S)=' '- 6 L'?)!.' ! 0 LP' B@' B J"A.' -+'+AG' U@@,@'-'+B@'.C@ +'3 ,J .B>@').

6(L-4+' %D'J,(' ' ,-'=P' B J,G' 8=' K-B J, B@2 ,C J8J(,,2 -B J8J(@,G2 ,&-*$ $Q ' -B J,-U@C(2= M' B J,G' I' ' 1' 10 i' ;' 8# 'B D' , $*!,' D 2 +,G (a i';' 5 +2',U@,G2 > + E,@' , -',U@'4 &' -?@+B A.(' ';LQ=' B ' +@C@' 5>,' B-' ,@G B+@'G@+'B +' ' B >@'B@CD'G- ' +@C@'5>,' B J,G'E@A' +-' G, @A' ,,@'G @C@2 Lb!']'C &!0 "B# 0>@C B'-C'+B@ D-?'B +'B@'U A'7 ' B J,G' -C +-'E@@A' A' ,D@C? A' L<N &'%' 'OM= IA @ 'A-.B+' B J,G' -C+-' G @' A' C+B@' ?-A.' +B@' -??@A'B,@C@' , ;=LP' .&'0 &' &''8@D'9 A. -CD' ;<NP(S' 5-C'!-C- @' AD' $@?--C 2 +B +'B@C' B J,G' +-' ? U@' +B AA@'+B '$@ ?@' ,'4==N ' . ',$!$'C %0 8 7 D@' 7 ';=<=(' 'SS 2 BG @'+B +'.-D'UA@ @'E@ -C@' B-,D@'E@' ? D@' B J@,G'+-'+B@'G? .@'-'B ' -A@

/' # '.--D'-C'@,@. A' B J@2 @,, -C?@D

;LKO 9 .6' 5& 0 'O^!B@a'E C' B ,D2 AD2 @GA.@'BG?' B J,G'^ >,.' ' ! $' -H'BGDD@'BG?'+BC@'?-A@+B ' 4LKK]'<' 0 SSS S'M' 5-C -+B@' :- @JB' ' C' A' @2 AD' B J,' A')+ ^ >,.' ,&)'$*,)+0 $';=NN C !'&%')$"';;K'8 @CA-A'3!(' ,'B' B J,G' A>.'L@D@' A'B C@' L CD@' 1 0 ;<=' "C@' E-,DC@' B J,G' AD') C@' ' 'S)-' $'%$',>') 0LN aV@BC DD@'^JC- +' a2 B)+B@'? UGA.@' -',G?@' @C@'B'?-C@' B J,-U@C' 4=)' ' ' $!' ' ;L<' %B ,DC@A' D@@C@2 B>+' -'.--D,G' -' B J,G' @C@2 AD' @C' ;LSL' B7 .'6 ' 'S 'LK '@?E,G' JC A. ,D2 ' GC'LN A.'., AD2'$G B+' B J,G'? D' ;MKQ ' 3 .'+C' .0 '&>' $0 ';OLQ' B@' ?E D-JC' B D'+B@'@AD' -'B ' -@2 J C+'-'+B@'>JJ@C' AD'>AD@C' J' >+' -2 E>+' ' -+B@C @' ' B J@,G' 3 A' L C 81 ' $.' ' QM' $>D@' C .?@A+'A-' ' @' +@C ' B@C@'+B@' B J@,G' -,>?A' +--D' ;KKL' &' -0 ' 0 # +'M;L' A' JBL) I>@2+B@G' C@+ ,,@C2 ,++@C2'?-C@',+B@2 B J@,@C2+B A' +B@'C -A.@A@C' ' +B-?@

$1 &!0 ;LKO 9 .6' &' ' &!0 + ' S'3G' >,>@C2 ?G'B J6')!$0C& %'& $- $]( ] ' $0 S> 'S 7B-'E' +B ' +B ' B J ' A'BE' +-,@')';<N< 6 ' &$! ' ' 'OOL' A' A CD' G@'D +A.> B@2 AD' @@'+B@' 5 >C AD' !B J@,G' ')7 ' A' ,$ - "' ;P' >. ' 8;KKP(;N= 0 B@'DE+ A +'&@C @J+-A'-' '7B-,@'C A.'->+'-' D + A + ?>,+ A@->'J@C @J+ -A' -'+B@'&) 2' A'+B@'C@, Y +-A'-' ,,'+-@ E2 AD'-'@ B'+-'@ B' AD'+-' ,,2 -A ++>+@'] +B@'!B J@,G

E' " A.'D@ A+@' -C?' $ 0

;KOQ' ')' &' $' ' SS S2 !B@ J @'E,>CC'D2 ? .@'-E >C@,G'DC A2 'O>+'B@C'+C>@'.C @'.C- 'B J@,G' EG'D@.C@@ 2 'J@C B'D' C@ +>C@',G A.'-A' B@C UA@@ ' 4KML' 0 0 JC'PNN B@'J, + 'J- @C -+'B@'? .A + -A2 + U A.'>J' AD'> A.' +B@'@S + A.'D + 2 -C?' +B@?' A+-' ' B J,G' -A @J+ -A

' &@C+ A A.'+-' -C?' 1\0 $ V'

4LKQ' 3 ' '8$-,, (' ' ;QQ' aV@ ? U@C@' - ' ,,@' B A.@' B>+'B B' B'B ?' B J, B@'C@ -+? 2 -' ' ' ? A@C@' C@ ->A' AD'B A.@'^-C+.' $!' ') -' $ & H0

!B J@A' ^!+C-A.'J 'JJ,@'-

1 ' '8# 'B D' ,, - ,$ '' C@+ B@D(' % ' 1)"!/I5'@ V

' " A.' ' B J@'8-'+B@'U AD' J@D @D'EG'+B@' I> , G A.' -CD(' (@S 'A'2 !!' $* ''8 -?@Y B +'$ $0+0 ' C2 2 ' --') &' 0 &B9'J + .B'? A'' 2 ' -C +'8 +

B-C@2 !> ' C CD' J@A' C@ +>C@' ;S=OL'+C' - ' $ 0)!$ '@+ '8;<;N(M " >@'+B@,@ B@' , -'D@A@'B AD@' AD' @,@ B J@A'A ,@X' ;=QN KP V V 2') ' S' 'L=[B@'UAG) + +B' +B@'@>G,,@ B J@A' -+@' NSPNN !) ' SSS ' OLP " ' GC@' AD' @,' E JJ@A'E-DG' ;P=<' 3 K ' $ -(C$ 0 &-(&C-,' *2 B +'+B@'C .B@' B J@A' -CU@' EGD@'A-+'E@EGAD@2 E>+' -?J AG@' G+B@' ;MNL' 8') 0 m@D'L(;<Q' A' .,@' B J@A' .B+' JJ@ C@D' +-'+B@?2 -??A.' A' +'+B@' ->+B'7 AD- ' R ;X ' 0 ''& $ &' ' B@'O C+B'-' A A.'%C@ +>C@ 2 + C +2 C@' ,' B J@A' QNL' ' ' " ' 0C' 0KP ' @,' B J@A' 3 A' ;KP< ' ' $-'? ' 2 !B@' ' '.-)' ,--U A.' -? A 2 @,' B J@A

/' 5>CA B@D' +B' 'D@ A+@' B J@' B -A@D2

B J@D

4=KL' $ 0 ' !0 LLL ;'! B JGA@2 $*) $*$) 0($ *!$ 3 '$)0 ;PPK'V'$ 10 !!'8!>C+@@ (:'KK2:'E@I>+B' ,' ?G' E JJ@A' JJ C@,' '* U@++'2 D>E,@++' AD' -+B@C' >A+-' ?G' B ,DC@A' 1 0 ;=;2 ONN' ;KKQ = ' " 0 S+' ;P AD' +B ,' -A' +B@' +-J?-+-?E' @' @+'+B@' B J@A' -C' S)S']'C& - '1"' $"'8;K<M(O;=1@+' -A'B@' @A+@'>A+,' B@' B@ CD' B@' CG'E@ -?@' ' B J@A' -CD2

B J@A'8JV J'A(2 0 $ 0 %0 1 '+'N'" 'Z ' 1 '**!0 a' !$/ 0 -' B J@2 ?J C+' '

B J@'+-

[PLL' 3) .'U ' 'SS ';=' "@' GD@'"-'B@' E J@A@D' !B@' GD@' B@C@' -??@+E' J' A'-,D@'? A2 AD' ,-+B@D' +B' '+-A.@. CC-@A+' Y 7) $;OF' ' &-$" ' <N !@@ A.'+BE'%,C - ' ->,D' A-+'C@ @>@'@+B@C' B J@A@' -C -CD@C E>+'EG'+B@' D'!->,@2 B- '?@+'+B@G'+-.@+B@C2'+B@' -A@'+-' B J@2 AD'+B@' -+B@C'+-'E@' B JA@D' cMR<-. ' &' $ ' '*'SS 'MP' B@C' J@ ,' B C.@' ' C + +-' B J@A' A ',??@' AD'E-D@2 .--D,G2 AD'A@ ,+B@' R R&' 7 ' 8 2' ,0='$ 0 '8;MOL(ON 7 B@A' +'8*' +B@' J,' B J@A' EE' E>D -C' A@S+'G@@C@'C>+' ;K;< ' $! 'D%' $!!' 'OLP' B@'? A-C J-C+ -A'-'B ' C@@D' B>A.',--@2 5-C+ ?@'+-' B J@A' AD' A' B-,@'JC-D> @' ;<NL' -0 <$0 U+' .';' L' 7 + >A+ ,' +B@' C@ +>C@'B 2 E J@A@D' +@,'A'+-'+B@'-C?'-' ' -++ .@',- " A @'!, J@A O.' 1!0 10 SM)' " '= ' &' '&%' &)!' +';+S)' B +B@A->CEB' A.'# ' '8'E>+' J@C?' ,-C?)'+B@' @C+ A' E J@A A.' 1 0 a' ' ' S S2 B@' -> D'C-'B'AA + +@' AD' EC A.' B@'@G@'+-' >B' '+@?J@C A'B@C E J@A A.

6(L-0',N-@L=/' 701=0 '=7(L-0'# '=6(' L-)-' '=76(-0'=D4 (L(0-/'# '=6(L-0' 4=7' ' =- =-'@'!'-6(LL-0,-'=76(LL-0-' 0?' : ' ' Q' :0 *6-'?701' . ' = ?4E- D-<'3+'*6-' <7E34-*' 11 V

' B@'%C@ +-C'-C 3 U@C'8-'+B@'>A @C @(' 1"0 S)') &' (;OK<<'J@' J@C'B + C-.B+' ,'+B A.' 5"' ' B ' $' !0 "' 'LQN2PK;'J@'AG 'A- E JJ@C H"(0 B J@C2 B JJ@C@a'E>+.-D' ?G) ' "@'G'B JJ@C-' 'BGA.' 1 0 LKP2<MML2<) K2 S)' 8 .1') 0 LLLS.' ;K',B- B +',-) + +B@' -CD'+7 B J@C']' $0 S, ['::';L' =--'C "- '='d"+'WK'! B JJ@C@- @BGA. L' B + ->C?@D@ +?@' ;=<M ' 'C$)*0 8 7'D@'7 (' ' 4 '=O0 -D'+ ' B J@C'\' >@C'- ' ,' C@ +>C@ ; b #A@' B-'-C' -?@+B A.' B B'? U@ 2'8'+B A.(' A'+B@'C@I>C@D' B J@'-A@' B-') -A'8? +@C)' %4=OW &$' ' .KQ'A' &'3 ",!' ' " 'C!$" 'OO H &$.'!&DOcH %BC + E@'+B@' B J@C -'+B ' B J2 5-C' B J' A@@D'? U@ '?>+2 ,'==N C &- *0 C$ (=== S'! B J C@2 $* $ & '%& -$ & 0 ;LM<: ' 6)'+C' '**$>'$'(;KOE2 B + >A +@A+'!@CJ@A+@'+B@' B J@C-' > B' -D 2 $'" @ 1C ,(8;P<N(' =' A-+B@C2 , E@'A-A@'-+B@C @'+@C?D@' @A' B J@C' .C?@A+' aH ' ' ' ' ') 0 < -$''C& "' ' 0 8;KKK(; : O)'3 AD' '+B@' C@ +-C' AD' B J@C-'? ++@C' 4KMQ#'7' ' ' <)$ $'' ' !'!0'S-' "@' 'EG'A +>C@ A C+ +' ' B J@C +B'+B@'J@A ,'-C'+B@' B @,''!:&"'5' 1 C& - 'P;2: '?D@'+B@?' B J@C'# '? A@'- A'?--D

E 'R' 0'A' C->'+C D@' +B@'D@ .A+-A'-' A'-J@C 6 @' ') ' $* ')*0 R&&R' ') 0' '8;KKP(=O2=P2Q=2 !'A&"' & ' ' "' $ ';< :>,G'P S ' B J@C +'+B@'OC+ AA ' C-A' 7 -CU 2 :" ;'? 0 " -10 -'O;=M LKN^" + ? U A.(' %>C,@C A ,>D A.' B J@C ' <N' $!"' .&' 'OK # +' 5& '% C @C AD'!B J@C >J' -C') J@D'E,-U K' I> DJG)' 'J-@+' $ 0 8% '3 900 (' !>..@ +@D'EG'# '! -J2 A @D'+-'E@' -.A' ' 1'+' R&R 'H'? (' A' &' !"' $0 444 2 :5'A'+B ' B ,,2 @'C@'%-,D2 ' B J@C2-CJ-@+2 A.'+B@', G -'+B@'IC@ ' +-A' ;K<O!' ' % 0 0' (, ;NL' @' A++-' @@,' B@+B@C? 2 &2)!%' '. -)'J-@+@C' A-+2,@+'>'J, @' ->C @,@' A'+B@'B , ' ,,@D' +B' CC-C' AD' @ ?@#(' AD'+B@A'B@ C2+B@'!B J@C +C U@'+B@'B CJ

!' ' ? BA@'-C'+-',-C' B J A.'? +@C ,2 J@ 2 ' B J A.' ? BA@'8@@'!A 5 #'2 0' 10=(R&*'C $, 0' ,.$' ' " '!0 'OLN O B@' B J@C ' J),@'- '-CU A.'->+'D @+@A6 ,+G >C @D' .>C@ ' 4K<L ' 0 - 0 OP' - 'L== ;' ?-A.'A-+ E,@'@SB E + 2 ' A' ?JC- @D' B J@C

J' $ 10 AD' &-10

c]M' . U 166') ' ' ' =MM O G'+B@'>@'-' .>C@D' .>D@ 2 ? 2-C'B J@C J, +@ 2 EG' B B'+B@'?-+-A' ' -AY +C A@D' c]' : 7 ' (,(!>JJ,2 $* ' " 0 -A@' D J+@D' +-'B-,D' -CU'+-' 'J, A@C2 +' AG'A-C X-A+ , A.,@2 R@R' ! ' $0 '=KN ;' B@' -C?'-'+B@'B J@C +--,' ->,D'B @'+-'@S +,G' - A D@' +B'+B@'+--+B' J @' - ' +B@' B@@,'+-'E@' >+

!B J@? @2' @D'C@@' 1 B ' 0 10

* 4(L-*' 10 $ 0 ' C A'-' 1 ' $';MLQ') ' - / 1 C) ',S'8;MP<(3C'$',@ +'!B J@+' -' >)@G % CJ@+' AD' " A. A. 2 B B' A' ,,'JC-E E,+G' B@'D@ .A) ,+' .B-CA

!B J A 5-C? ' @@' +B@ @CE ' ^' 1 ' N" 7'$V

' B@' +-A'-' 1 ' ' A'A + A@'-'+B ;L N A'7C .B+' " ,'C'S'LK' B EG' -C@EG+C@>+B@' A+'-+B@2'+B + -D'B +B'B J@D'?@G A->' +',>JJ@'@ '3 D' %>JJ A.'A@'?@G'B +'?@' B>A B@)' ,'c]]RC &-%0'C$ ' ### '! B JGA. 2$*)$ '%& -$ &@ $&I' L ' $1!

&%' !%&',' S 2^ '+G,,@Ca B B@' >C?->A+@D' ,,@'+B@'-+B@C A' B JGA.@'-C @ GA.@' ;P)' C %0 &' "' 0 $"' .0 8;KQ;(=p !@ A.'+@ B A.' AD'JC@ B A.' A' ,@' C@I> +@'+-'+B + ' + ->A2 +B A' B J A.' \' @ A.' '+-' A@+ ,@->C ' 4M<[' 'Y .V ' 2 ' ' 0 ;O= 7@' -?@'+-'+B@' ,U@' B J)'-' +B@'C@? AA.'J C+'-'+B@' #.' ;Q<P B ' 6&$'' &%' '?'LM; % A + +B->' C@?@?E@C2 3 D2 B + -A' C +'!@@?'D'?-C@'+B A' A G'' B JA.' ;K;P ' '<)"' 0S 2 + ' +B@'B-> @U@@J@C B-'D D'+@ B'B@C+B- @'>AJC- + E,@@S@C @'-'B@??A.' AD' B JA.' OKPN ' -0 ' LM ' -A@' ->,D' A.'+B@'D@ +B'- ' C2 ' AD'-A@+B@' B JA.'-''+C ;' !-?@+B A.' B J@D2 B -A@D2 -C' C@ +@D' ' C@ +>C@2 -C?2 B J@' ' C@ +-A' 8-'+B@'? AD'-C A G(

4L=N " '1(M='#E@C'B> AA@'?@'X>@C@(VE@' @JJ A.@2 @'?@ X GB' E@' J@'X-AA@ AaV ^@+ a' 1 0 ;PK E@ DG@>@,' @ @J'+-'aV@ .-'+@ X> B@' @JJ A.@' AD' X> A@ .>C@' @'E@' G,@' ;MO<'< B.' &!"' $ '0 ;LM #B'E,-+ A-+'->+'+B@',->@,G' ? .@'-' -D' A' A A.2 AD' C ?A.' -' A@' ' B J A.' +-'G->C' @,>@'' ;Q<=')7' ! 0) ' 'LLK'& ,@'5@ C' " >A+@D' EG'.B +,@C B JY A.'+B A' >CC->AD' 3--A E, +@D' 3 DA@ ' B@A' B@'G@,,' +' ? DA .B+' ;Q<P']' ' '$') &''?$ ' "- ' -+2 ?G' - @' +B' B J A.' @@+' 'J A + +B@'?-?@A+2 @' B ,' ?@@+' S)'< ' '? ' ,3 &($ 'KM B ' B J A.'-' +B@' +- U' ' ' @CG'?-D @D' -C?'-'J +-,'.CJ

' ,0 8!@@'I>-+';KOP KN2(

;KS=' 7 (' $! "' C $,&,.'<;' /@ ?J' ^+ ,-C ,--Aa2 -C EG'?G'E,--DG' @ J-A 2 ,,' >+'+BG'E> UC ?' ->,' +-'B J A' S! !-'# !' +B@' ? ,'E+'-' ,-+B'+B +' C@' >+'- +B'+B@' -C' A' B J A.' AG'J@@ DC@ 2 !

($ 10 AD' &-1' ' ?J,@' ++C E' ' $*' ' -$, ' "'H $*' ' -*!-'0(-&)!('*&, ' 8;KM<' 9A .B+' ,$' ,$''QQ K(' E'!J@ , -?E2 ' B J A.' JJ C@,2 ,-+B@' 2->+@C .C?@A+'') B J A.'E- CD2 'E- CD -A' B B' ' + ,-C' -C B-@? U@C B J@'B '? +@C , ' B J A.' @A. A@)' A'@ C,G'A ?@' -C+B@' $*' ' -$, ' '41+! 'B J A.'UA @2 ' B-@? U@C' UA @' B J A.' ? B A@2 4$+' '? B A@ -C B J A.'?@+ ,'J@@' AD' J C+' -' ? B A@CG' ,-' $ 12' %%+' ? B A@ -C B J A.'B J'E,-U'4,+ ' A B A.' E,-U A.' ? B A@ -C E + '89A .B+' 0 ,0 !>JJ,' ;KK=(H B J A. B-J2+B + E> ,D A.' A' A' B J C .B+ ' G CD' A' B B' +B@' +@@,' C ?@ -CU2 J, +@ 2@+ ' C@' B J@D

;LM=' , -&' ' !!'8!>C+@@ (;ON" ') B JJ A.@' JY J C@,' 'G- , @' ++ A@'D>E,@+' AD' 'J GC@'-'E-> @' 4==0 &- 0 &!!'< 0 $! $-' $'&0 5' :>,G2 ^&C- @@D A. .?A + :- A2 U*- -'7 ,, ?'T ,,-C'2 B-,')S C+ +'>A ?'+ E>, ?' - +' B@JJ+A. E-CD /6J@C S ?' A C'+@A@?@A+>?' >>?' ;=KL'<$ 0 ' !0 LLL ' ! B JGA.@'E>CD@2 ,)*$& '-(,! $0 4P=4 1 '' T 8;K==(; ;QM +@?2 A@' B J A.'UAG 2 A@' B A@ ?@2 A@ BC J?.'E>CD' ;K<' >=')CCSSS >2 T'/@@D2 :@A2' ?D + G' C X@,2 ' ' D'B@. @A' '?G' B J?" , '+JC + +B@C@') ;K < ' ",E44 ' O'O ;' 'OC>A@ '? B A@CG' -C'?)A.' B J 'E,-D a B@' ->+C D@' >C @ '-'+B@'E,-U' C@'A@S+' -C?@D'+-'+B@ C+C>@')F C@'EG'+B@'+BC@@' B J A.'@A. A@') L=N &- '$' 8!U@ +(PPL' ' ')1)&)'' !B JJGA.UAGI' AD' ' %4==N C &- *0 C$ 0 === ;' ! B JGA.@' UAG @2 ,$!*) -0 ! B JGA.@'UAG @'-' -+ CG 2'$' & ' -0 ;PL=') $"'L;L<' ' ' ,'+B G'LN62 C2 +B'+B@ B J A.'UA @' A@ - ' +C2 $*' '1&$ ' E-@a' 5N ' (((0 . &'0 8;KSM(K= B@') B J A.' ? E,A@ --?' , +'+B@ 3 A+a2 $'OK=)' B .'A'O@ ? B' -0 8;KMO('LK B@' B DA.' ? B A@' -A @ @D' B ,@'^@+ a' ;KMQ *0C$ ' E' 0 5 10 8SKMK(2 LQL' B@' ?@ C?' ,-)-' ?,,A.2-C2 '+' 'C@I>@A+,@'+@C?@D'A' A., AD2' B J A.' ? BA@2 A' B B' C>,C >++@C' C@'@?J,-G@D2 XJXS:'' ' ' A' ', ,!@? 044 'O<'O B@'B J A.' ? B A@ D-@' -C -?J C + @,G' ?,' J@@'+B@' B B'+B@ J, A@C D-@' -C ,-A.' -A@' ;KQO' :) ' && 32& . ' $, ' 0;) !E JA.'? B A@CG' ;K<N 7 ' :' <) &)' "'ML' B@' E J+A. E-J

!B J ' 8:)TJ ((2 *!0'$0 ^' 1 ' i'

#'O a' + + B J@ 2 A'+B@' @A @' -'+B@' @CE 4L<K 3 '?$ 0 'C0 0 'S+'8;=<P(;<M A'+B@' ?,@E@A' @++>@' -C+A .@ AD' B JGA.@' @CUGA.@' AD' A'+B@' @?' ,@' ? +@SG ' > C,A.@' AD'3$ P"' ;)=' ' - 6 L'?)!.'= ! 0 4LL' A' ,U@'? AA@C2 A-+B@C'? A' B-@'J, + U2 C J A.2-C'@AU AD, A.'J- @C 2 C@'C >.B+ +B'?-C@-'? B--D2'? G'^@+ 'a' OKPN '0 !@C' ' '8;K)Q(KK#>C'C@ + +@C@'+' JC-*@ +@D' +'- A' A+ @'-A'B?' ;K<Q' 8) ' 0 0 ' ' '=N< "@'B D'+B@' C+ +' ' B J A.'B AD

+'!, J -8 (A' ,0 10 A' M' -B ' O :' -E >C@ -C? +-A' C@, +@D' +-' 5' , $*$)'B + a' !-?@'U AD'-'B@ D DC@

PN= M ,,(0 ' $0 ,&0 '<N +@?2 -C + B J-,^C1 X B J-A a' AD'I>E + B ++ " + !0 ,*S2 ;PSO)+ ' 'ONP +@? 2+-': ?@'0 AD A-C A@ B J->A' AD' A@'E@ @C'

!B J? A2' ? AA2'-E '-C?'-' 6B

'!B J##'8 J(' ' , -' E J>2 B CJ--' B-C+@A@D' ' ^ E@+ A' $3*.&' 1' ,D' B@@J 8: @ BU@(a 'U AD' -'B@@J'= ' ' + ->AD' A' D U'89 B? C(' AD' E@+ SK)' ' ') ' A'C &,0N&&!0 & 0 POM $* & ' ' 8O,G+B('L' !B J--'-' D UB' AD' E@+2 ,'SKK-' $!!' $0 0 'K B@'#-C ,' AD'+B@'!B J--' C@'E@ CD@D' !B@@J B@'!B J--' 'EC- A B .C@G2 B +@'E@,-' B@'? B-C+'EC- A'E@ CD' O<NO) '*&') ' ,$ ' .' "' 'KK #A@'-'+B@'?@A'B D'C@+>CA@D2 B A.' @@A' -?@ ,?CJ--

!B J->?@+2'-E ' 6B ' 0 10 !E JJ C--A2' B JJ@C--A'-+b' ' 6 M ': ' . '87 +@ &(' & 'OK2 "@C'!B JJ@C--A@ 2

* *

N4((

B@C &@CC . AD + C@ ;M=N] C $! E2 -
B D- @ !B JJ C--A@ b % ++,@ O AD 2 $>
!B JJ@ >2 B JJ - 2 -E :O
$ B&& O T $ ' 0 C 2) $) " -C $** -C
$** $)($0 " +2 +B@ A@ @ + % A+2 $1 E@ A. @CG -,D2 AD
.C- A +-- - ? ? -A2 QXP $ $ ' (0
!B JJ@ +@C2 G +@C2 C A+ :
!B J 8: J (2 1(* 0 E0 0 , - B J
^!B-C+@A@D C- ? 3 @S A !J , $*$ 6& !H @ +B@C
C D A. EC@@ B@
);KKP 2 3 . * 8%@A+ (B@ J>C 2
- +2 AD C@ -, @C , @C ? ->A+@D2 +B@ !B J - @ , U A2 @+
;NN= 2 $ ' , & S ;K; @,,- B- @A+
E->+ A T B J 2 B % , -CA -> A ,,@D B J C@*-
!B J +@C2 C A+ - 1
!B C2 -E -E J + N
!B C A 2 D ,2 C A+ -
!B C . . 1 0 , - B J D. ^#
>AUA- A -C . A %B A@ @ B-, C .C@@ +B + +
AA-+ E@,-A. +- +B + , A.A .@ @?J,@ J@ U
B@ B D B ? @, B@ CD + C- ? +C @,,@C a 8!@@
I>-+ ;MKP (C P& $ '10
$% / g 2 1. $ (* $) 3 8;M<N(PK
B@ %B A@ @ 2B @ J C+ >, C 7 -CD +- @SJC@ + , +B@
E@ >+G - +>D @D CC@.>, C +Ga AD B@C@ +B@G AD + B +
+B@ C G@ + C + .B+2 +B@G G +B@ $ 2 A@ -C
D? C E,@ ;QO= 1 0 1" ;O >. 2 5JC +- +B@
B A. A. CD@A - O EG,-A2 +B@ & C D @ - %GC> 2 AD
+B@ !B C . .) - %B A 2 B @ , ++,@ -C A- D@ ' - '@?
;QPN " 9 .1 . 0 $ ' ' OP 5@E 2 ? , + - + -AD
- +B@ !B C . . 2 -C %B A@ @ A+ - G? ?@+CG2 A E> ,D
A. 2 A .C->AD -C . CD@A K] \(E $! $%
%& ;L :>A@2 B->.B B@ +B@ ->AD@C - +B@ !B C D.
+ +@ A A., AD2 ; JC@ B@D - @+ @ +> , G +B +2 B @ @CG
J .-D +--U +B@ @ ,
!B CD2 B@CD :e*D(2 5-C?
@ CD2 = B-CD2 = P B--CD2 8P , -CD@2
B->CD@(2 = M B@CD8@2 P M B@ D@2 8D
B-C@D(2 M B CD@2 M Q B@ CD8-2 Q W ,0 B CD2
K $!(E- CD2 < B-CD2 B@ CD) = E@CD2 P
B CD ^# , $ A@>+ 2 -.A #5C .
8 A@>+ (>+2 A-+ B 875C . (5C .
, $$ " , + 3 /+> .$ @? 2 , & !
4 .$ 3+ ? 2 , 2 C .?@A+ 8?-D /> , $$
@? (2 3 # , $ A@>+ 2 C U2 B AU2 ?-D
, $$ J-+ B@CD2 , - EC@ B2 . J 8@ . A A @?)
E U?@A+(2 3 " 2 - & 04B 0 , $! % - (B A-+D 2) J2
.$ A@>+ 8/ $$, '.(J-+ B@CD2 3 !
.$ A@>+ 2 . J2 B AU2 .$? 2 J-+ B@CD(
>E + > @ - +B@ D* # 2 , $ #! .& " #5C
. " # " 4! $+ ,$! 83 " ,.$!+ #
.$ ' 0 T .$ 8Y B+2 A-+ B@D2 D ? AY
B@D2 JJ, -C? + -A -A +B@ C--+ c .$ 3
, . 3 M .) 3+T0 @@!" 0) :
,@ +2 . J
. J A A @A ,- >C@2 @ J A B@D.@ -C
E AU - B @ ,G $!0
$5&&& A 9@?E,@ & 0 * 0 8;K=K(OON ! -A) @+
,G+,@ @ CD @+ -A E>CBB, A @ 2 $;SNN < %$ S A
' ! $ 4 OMO 0 @ CD E@+ A a C=LN QI 7 ' 0 C& -
8&@C G !- (;;= B@ -+B@C +7 G@A @CD2 B@G
3 CGD A@+B@ +G,,@ A@ B@CD ;=Q; $ & ' ' .) ,.2 0 ,,0
8!-?@C @+ $@ !- (;NQ 5-C ? UGA. B-CD@ + +B@ G+@
C- +@ B 0 [=KK $!0 ' 0 ,0 2! 8XKKD(=<L AD E@
> @ +B@ DG B@ - +B + , A@ +@2 +B@G EC U@ B CD
AD J>+ ?@A - @C +B@ DG B@ ;)L))5; [" $P) 10
e;=; B@ GAD@ . J2 -C B@C @ A BU B@D.@ ;PK; :
. . $ & ' › ' 2 0 & 0 =P= O>+ B@C@ -A@ B CD@
,@ + -J@A B B ?> + A@@D@ E@ +-J+ >J +B -?@ EC ?E,@
AD OCG C ;QK< 7 " = . . < &, LO; $ "
. J A B@D.@ +B@ -??-A +@C?2 ;KML : 7.
- $ 8;KQQ(C " JC + @D @G@ --A B- @D
B ? + B CD -C EC@ U A +B@ CJ@D @ - +B@ E AU
6 0 $/ $ # . . $ & ' › ' h&0) 0 MK E2 - -C
?> B G-> B @ +-J+ >J @ @ B CD@ A +B@ @ G->C
, + +@D -> %-??@A+ C @ 2 ` +B->.B+ .--D +- C@J,G
i / 6 @D EG !J@A @C -C D D A. +@C
;P<N 1 0A 0 LK J-A +B + B-C@ B@ J @D + A
+ AD2 B@C@ EG E ? +@C ,@ +2 B@A , +@ 2B@ C'D A
& @DC ,@@+ 7 U@->@C +B + J@C, ? B CD
. J -C A-+ B A +B@ E, D@ - +--, 0
LEI > < C & ' ,0 <!& 0" $ (. J -C A-+ B B
UA @ B .C@ + B CD ->
" = C .?@A+ - ,)-U@A)+B@A C@
&BC @2 & 1 $.(@+ ' & +- C@D> @ +-
C .?@A+ 2 EC@ U E@G-AD C@J C
%) AD # , &, , $ 0
,X--- C - (A < ' $ ' $ 8 ! (4 L<K OPQ $) - "
@ CD ;L ! .0 %) L=N A , .) 0 ') 0 * 0
44 LL; " J@ B@C@ B@ EC U@ AD B@ > . D CD@
J@ U C+B@ ^ C B@CDG a ;LKO 9 . 6 6&1 K : -E 2
+B B@CD ^;LKK B@,,@a C J D@ ? +,S@ ->G++ C@
C 0 SS ;M 3 G @C+>@ DC @D@ B-CD ^;LKK + G, +--Aa
] , ,!) 0 SS Q 7 B- +@ B@+B --,2 +B + .,>@+B +-
. D@C@ B@CD ;LKQ 3 F -,, (;P; " G,@
+-A@ ?@D,@D +B B@CD@ ;=OM)7 <) 0 C 0
=;<Q B-.B +B + J-+ E@ EC-U@ ? , #A B@CDG \ -A
J@ G @U , ;==N C & - *0 C$ 0 ==P O ! B@CD@2 -C B--CD2
- EC-U@ @ @,,@ 4C 0 B->CD@ - EC-U@A @ @,(2 ' !& "
$0 $& J L <&! ' 0 ONKE O " @ J>+ A-+ G
+B@ -D@A@ - B ,@ B +B B@CD -C B@,+@ S -
$ - 0 OP= !B CD@ 2 5, A+ 2 AD &@@E,@ SMX-
O :- !7 !, 0 8;M;O(9 .E2 B@C@ ,, E@2 J@CB J
!-?@+B A.2 E->+ +B@ C J A. - +B@ !B CD@ 2 7 ,, >C@ +B@
+ B ;KPM %- 01 $ $ A QSP AD C @ ->.B+ A-
- +B + + % + @' ->AD O>+ B CD AD C>EE B ;QLP
? $! % $ - 0 , 0" $ ' (? ,, & .@ ? D@ -C
7 +@C +- C>A 6AD@C .C->AD2 +B DCG ! CD + O-++-?
;Q<M) ' $ - SS 4;= !@ @C , - +B@ J--C

C@E@, A@.C-@ B D -A,G +B@ B CD - !J +@C A 2
A +@ D - , A+ L . . 0 0 A + 2 3 C E@ >'
+C@ -A B@C@ -C@ B O> +2 A + A+,G EC-U@A +- B@CD
O %/ . $!" 0 $ ' 0 O;Q B@ ?>+ , + -A # +B@
JC @ + - %GE@,@ D-A@ +B B@CD - ! ? A C@ $ >>
= O) 8) E* ! * 5C .?@A+ - E, U2
C@D2 AD G@,,- B J-++@CG2 , U@ +B@ E?D # ,@JB A+ A@
AD &B , O ((. &2 !! " @ +--U >J
B-CD AD @A+ D- A +- +B@ C @C2 +B +B) -C B >J
C & 1 0 4M=4 0) & ' › ,(C & 0 8;QKP(L= 7 B@C@
+B@ J .' EC-U@A ,@+ +B@ !, @CD , @ ;MQK C & 0 8@D O(
LP4 7 B@A -?' J + B@C' EC-U@A B ,, B @ +B@ B@ CD
8O (U ADA@ +@C -+B@C B @ D-A@ +B +(
% 0 AD A .>C + @ -A+@S+
4 !" : B < $ * <) H% / P E2 7 B B ? U@ BG?
@ +@@?@ B ? @, @ +B@ C-A J-+2 AD +B@ @ C+B@A C- U2
+B B-? B@ @@A B@ A D B A+- B CD + BG
J,@ >C@ ;M=Q % ' 3 , &!$ & S L; ',, EC@ U@
+ ^S ? G B@ C+a ,, A J @ @ ? ,, ! AA@ B ,, A-+ AD@
B@ CD@ +B->+ , 7 B@C@ A m@+ 2_ ;K=Q 7 $ ' 0
MQ B> D D +B + J--C ->, AD@C O,@@D A.2 E C@
--+@D2 - @C +B@ B CD AD +B-CA - @S +@A @ S)L 4 %
= B 6& * › &$ SS 2 - @' D-, 2 ,-A. A @
EC-U@A2 AD +B@ -C B JJ@C + ,, -C@,G ->AD@D EG
+B@ B CD
% $ ' %0 C .?@A+ 8- -+B@C ? +@C ,(
;PM; ' . . B & ' 0 *& 0 L<E2 +B@ C>EE@, -C B CD@
- +B@ +-A@ 0 0 , >,> a D- J>+ +B@ +- J GF [PMP
1 $)) " ' $00 B CD@ - ? CE,@2 -C -+B@C
+-A@ ;PQQ ' ' !$ ' 8;KQQ(;=Q ,,
^., @ a . - -A@ @2 +B + 2 +- B CD + +B@ , + $H O
1 ! $ O<Q B@ B J - A B D@ B B ,, A
B@CD + DC->@ SK) 0 0 & 8@D O(\ 2
3 AG - +B@ -??-A J@-J,@2 A +B@ ,- @C J C+ - @ Y
+,@2> @D +J C@ -C+ +- +B@ F> G D@ 2 B@C@ +B@G . +B@C@D
>J - , +B +B@ B , - --D@A D E2 ,,@D B CD
O &> C ' , 2 ;)O 7 B + 7@C@ : A .B@C +B
,+B- @ D B'D 1->C + @ A+- B CD +B + J>,+
S & . . .0 < 0 A SS OMK !>DD@A,G +B B>.@
* A.,@2 +B@ ., D--C - B C--? @A+ +- B@CD $ >>"
' . A ?$!!$ & ' $) 8% A+@CE &-@+ (QQ
?@,-A' DC JJ A. B@CD \ ((* , $ & :>A@ <MK ; B@
E CU E,- A ,@ A - , +B@ +@? +B@C@ @C@ .C@ + B CD
AD , @ - E CU ,G A. + @A+G AD +B S) G CD G2
D , C@?A A+ 8- -?@+B A. -CA -C D@ G@D(
;QKP B * 0 0 - C & ' &- + C S 2 ?" B@A +B@
>,D 3--A' . >A +- ,@ H +B@?m B@ B AD?- + B)2
+B@G',, @+ B + +B@?2 :> + "+B@ C J-> B ;_
A 5C->D@ - ' 0 8;KK;(;M= O D ? , A.2 A
E . -,D C ?E, A. B@CD - B-> @ ?-A. +@ . CD@A
;KK) '7 A & ' 0 0 / @ K=N @CG+6A. B@
@ CA@D ?-C@ JC ,@ EC-U@A AD ->+ -CA " +! +-? Y
B U ?@C@ B CD - C> +@D +@@,
1 ,@ 8 A I>-+ - DC .-A(2 1 0 $% Y (
% # " ,$ $ " B@,, B -C +-C+- @a
;L<N < 8 & ' % MM ! B@ E2 B C +B-.B+@2 DC .->A
+E-2 7B-! B@CD@ BGA@A +B@ --AA@
!B CD 8:)D(2 10 1 0 @S $!0 A M ,+-CD@
^ JJ -.A * J + B - - D>A.
8% %# 7 ! " O/ (
#! . 0 ?&'$) " A B C>AAGA.@ ^B@a
,GA.@+B2 AD B-+@+B >C+B B B CD@ AD D>A.@ +BC@
>C,-A.@ C- ? BG? $/>% C C$!!$, KO E2 B@
">?E,@E@@ + AG.E+ + U@+E A- -?@ +- ,-D.@ A %- @
->,@ B CD@ M) (W% ;< B@G C@ B
!B CD 2 AD B@ +B@ C O@@+,@ ;MKQ) ' = C$ '
: LO4 !> B ->, !B CD JC-D> @2 > B E@@+,@ +B A.
-A,G E>X +- B@ @A +B @ 'A A. A. ;KOK Y V $ '
<!& 0 ;KQM 1" <!& 0" $ " $ " $ $(-C
$ - (- ' D>A.
E %-?E B CD E@@+,@2 E@@+,@ - +B@ ? ,G
< &)* P" ->AD >AD@C D>A.2 D-C E@@+,@
;KP= ' 2 @+ $T 0 $ ((XKK !B CD O@@+,@!
8 @-+C>J 6@(
6(0< 8:)D(2 10 C A+ -);
;MK) +C & 0 *& K; 3 -C@ J,@ A. ?-C @,
B A !B CD ^ . 1$!$ * $] -C 3 ,,- -C +B@ J-+ ;KPM
: , 0 5* 0 OP 7 +B >C AD --,,@A , G@C
>J-A , G@C A D@2 , U@ +B@ B CD - A C+ B-U@
6(0< 8: >D(2 10 ^ -, @D C-? ? >AD@CY
+ AD A. - !B U J@C@' > @ A)" + @@
, - I>-+ ;MNM ') 10] B@ @,G+C-A -C
A. @ - -,@-J+@C-> A @ +
%! !# .$ 1& - (&@CB J B CD A !B U@
)@ C@ ? G .A G +B@ B@ +B - +B@ A. - A @ + a 5?
9 7 & 0 0 & . (A , $ &!& $
4 GA ;PQ $ (+B@ B@,, -C B CD ->+ CD - @C A. - +B@
+C E@ - A @ + D@A-? A +@D &! &* $0 $ &J 76
$2 0 SA ;KO B@ B A A. B CD - E@@+,@ 4KK= $ 0
: A ;;M B@ ., ++@C A. B CD - A @ +
!B CD2 -E -C? - ' 1(
;MMK . ' & - $ 0 ;PP) $ ' & (!B CD
4! # ! $ 00 70 -C+ - B
!B CD 8:>=)< ? Q , - B@CD Y) I I IV
P0 $ ' 0 - EC@ U A+- C .?@A+ , - +B
&%%0 E ' 0 # +C@@ - B@D + E CU A T B CD
"@A @ !B CD A. **!0 $0
4PKL ^ ?J, @D A)) ** 0)a S!.S (&!& ' $!
$ ' * : = / @ D2 B +@ EC A B@ AD B CD A. +C>AU
;<NN . < 0 ?& $ S OM< B@ C+ ,,@CG C@
) +B@A +>CA@D >J-A +B@ -, +@D ,UC AX B@
B ,, D@ B CD@D - A .C@ + , U@ 2 ((& ' - *0 (
3 C LL< B@ @ , AD , ?@A+ - I>@JA $C@ +-CA D@2
+B@ C EC @,@+ B@CD@D -A +B@ C C +
/ $ ' 0 - A-+ B +B@ @D.@ - 8 +--,(2 $!0
;KQ< 5 - && ,&! ' = &) * 8O / ! (,- 2 0 0(
B@@' B-CD@D ?G UA @ (M 0 & - & 1.0
b$ & ([@@ B- -@' @ E A AD E-CD@D C-G J, A@ C@
6(20< 370E 370 - $0 0?) 10 *
a (# E@@+,@ O-? A D>A. * ,0
JJ, @D +- +B@ $ Y1 ! 8 @@ ! " O/ OE(E
6) +B +B@ ?@ ?J. 8D>@ +- ? A+@CJC@+ + -A
- !B U (O-CA@ -A B CD F) 10.+0

SM-W , + =O C@ +- E, U "@ + >??-A
B@ B CD E-CA@ O@@+,@2 +B B DC- @ B>? " +B C>A.
.B+ G A A. &@ ,@ $ J+ && - d% & & !H0 2
B B CD E-? E@@+,@2 B@ G2 DC- G $ I J 1 R
' - 0 C. " 0 S ==L B@ / >A. -C !B CD E-CA@ O@@+,@
) $) 8@D2 O(OL B@ D A A. +
6) +' B CD E-CA +C>?J@+@C
!B CD@D 8: >D@D(2 **!0 ^) P) ; AD
i ") : + # @CJ@A+ ! ,G =&1 (+T0 E
$@D> @D +- B CD -C C .?@A+ - +B@ ?--A
C@D> @D +- C@ @A+
OJO+ < 8 & '%0 OP; B + !@CJ@A+ IV @E@C
D@D , E->+@2 + B @,D ,, @..@+-, +B->+@2 "@ -
C> D@ AD B CD - U A2 B@C ? B+@ A-+B A. . - +E@C A
L J B & ' , A) 0 @+ 2 8 Cg(;LQ 7 +B
C@A+ C- U B ? @CG@ B CD@D $ >% =) ;; ;ON
B@ B CD@D ?--A
+ !B CD@D2 **! 0 $ YV ^ 2)
10 i E / a # E@@+,@ A. A D>A.
SMX " - 10 + ,, ON AD - +@A +- ->C -? -C+2
) ,, @ AD@ B@ B CD@D O@@+,@2 A @C E-,D B@A E
+E@ >,, A. 'D .,@
!B C+-8: CD (2 L $ YH ^ ! " O/C)) i G2a
" A. ! CD -C A. @
XKX- : $) !* $ " 2 @D +- +B@ B-CA@+'
B CDG A.
!B C@ 10 5-C? ; - ,@C2 @ C2 @@C2
P C@2 = B C2 B C2 = * -B CC@ 2 2
B CC (2 = 2 M B C2 = M B G@2 8Q B@C@2 B@ C-+
K B CC(2 = B C@ ^# , $ (,\\" 8? -C
A@>+ (f #5C . (, " 3 , $ A@>+ 2
, $ @? 8# . - C-? (2 # " ,$ "
,$ & ? 2 ,$ $ @? 83 " , $? 2 @? 2
A@>+ 2 ?-D , $ @? 2 @>+ C--+ T .$ V
. @@ D
+ B@ C-A E, D@ A J,->.B B B >+ +B@
.C->AD + +B@ E-++-? - +B@ >CC- J,->.B B C@
%QL! & *) <!& (8"@ @, (& E&- , 50 ;NNN ^ @@
B. V $ 4NPN 1 , ' !!0 SSS 8;KK<(;O= !@@C
+>A. A >C@ ^ & - ! ') $ '& $](>I8 < . B
8$-6 (MK<N + A+?@ ->C@ GC@A@ @ C 0 B CC@ a
-C B C@ >,6@ , >C@ ;L=N QN 5(' (O<= " +
A- ,@>@ A ->C@ , @ E)+ @ , AD @C @ 7 a A- JE)@D@
B C +- @E J@ B@ -C @ ;LKO 9 . 1 ' LB. O;
E AA@ , 1C @, D@ @AD D@ +- &B , + G?2 +B + @ B-A B CJ@
B ^;LKK B Ca -C @..G - +B@ BUC ;SLKK B CC a
@C@A E,>A+ I fOLKM ^ @@ B. V $ I J L <&! '3
(;LN ; 7 B A E@+-U@ +B@ B C@ +- ? U@ D@A@ BG >,+C@
BG+ ,@>GD +- BG E-AD M/JJ"J& - U) 0 e L B@
B C@ J@ @ - GC@A2 B CJ@ E@ -C@ AD EC-D@ E@ 7 AD@2
-+@ ,-A.@2 ? D@ +B - U@+ L[! -) A < ' ›
08 C- C+([0 ON= B@ @ C+B UA@ A-+ +B@ B C@2 A-C
@ +B@ E CU@C ;MN= P ' %! 2 › ,,0= $ - !- (
;MN2 * B-C@ +- J,- +B2 *b * SMKM $ $%%% 0
;M; 7 3U? A B->,D -C.@ ->+ B@ C@ - +B -C
J,->.B2 + - EC ++,@ ^+B + @+ a O>+J 1 1$;KQ
+>EE-CA +@@C , U@ D D A +B @C ,@ A@ U +- E@ C
B ">A -A+@D @ .B+2 #C DC . +B@ C--U@D B C@ 4QLL 7
. . ! - $! $ - 0 O; C@ + %,-+ 2 +B + " ; A-+
G @,D +- +B@ %->,+@C' %>+2 A-C +B@ !E CC' OC@ U $ >+ =
$!" C$ 0 QQ . OQ< +B@ EC .B+ B C@ C @D ->+ +B@
>CC- ,@ A SKK@ # 66 < ' - $ - SS A
>J+>CA@D J,->.B +B C> +G B C@
6 0 ;K;! C& ' $ SS B- @ >CC- B B +B@
E>CA A. B C@ # -CC- J,->.B >A+ ?@,G +B@C@ $ J> '
3 $ > EC `S) ,, OLK A B-? +B@ @CG ->AD + -A
- E@, @ B @ E@@A J,->.B@D >J EG +B@ B C@ - >+B-C +G
E B@ A ,-.-> J C+ - @@D DC ,,2 -C ? , C
?J,@?@A+
4Q.S X. . & & ') 0 SS 8/>E, A ;QLL(!**S
O>+ --A -A+C @D &,- C +B ->C C-A !B C@ 2 +- ? U@
%B A@, ^ -C !@@D(A AG C->AD 1 (SS LPO B
^/C ,, a &,- ? U@ + %B AA@, EG +BC@@ !B@ + 2 AD +B@ C
!B)@ AD C>AU ;QML)) -) 0 : SSS L=M +@C
!- A.2 + ,, E@ JC-J@C +- J,- +B@ .C->AD2 B@C@ +B@ ,> @CA
.C- \ BB DC ,, J,- 2 +B C->AD B C@ SKMS -
4 :>,G2 B@ ?@ ?J,)@A+ C ?@2 @C @ -C J,->.B A.2
C G A.2 +C@A B A.2 D . . A.2 C D. A.2 \ 2 -CD A. +
++@D +B B C@ -C +B@ @ C -> -J@C + -A
/ $! 10 AD &-10($ % ' 3*& ' H i B C@
C@2 A C@ B C.@D +B >JJ,G - J,->.B B C@
G@ C,G +- +B@ ? A-C - $ $, ' H B C#
E@ ?2 A J,->.B - +B@ A @A+ +GJ@2 +B@ E@ ?
B B CC@ +B@ B C@ C C@ B@ D2 + @ B C@
E@ ?
;M=;) 0 C!) " $ '& (5 83 \ (^-g M E2 5-C
C@ # , AD ,,@D B C@ C@ O) 1 0 -, =E2 5-C
C@A+ +B + +B@ ?D@ !?G+B C@ @ @+B - D @C @ -+B@C J@C
-A 2 ,,@D !B C@ C@ C@A+ 2 J G@+B +J +B ? A-C G@ C@,G
$ S--- &,0 A 7C 7>,@U@C ;<M OK ? $,) (TT @ CE@ ?
)PVL L= - U) 0 e L B@ B CE@ ?@ +B@ +C@ AD@C
A@+A2 B@C@ J-A +B@ B C@ @+ ;KK= & ' - $ ' › $ 0
=NL B@ B CDG C>) " ^A > AGa)+6 ?V@ A+- +B@
--D AD @@U -C A @,?V -C +B@ B C@ E@ ? +B
D->E,@ E U 2 ,,@D D@A+ ,@ D>@ D-C ` SM !B C@ A
)B A(^ @@ - 10 L E* $ &% : 7 . & % 3" @C?
"> B SRR B@ B C@ E@ ? -C ') B C@ B@ D J @ @ - --D
+- B B +B@ B C@ ++@D $ I / B). $!!) -
$ 8))P(L; B@ &,->.B? A - +@A EC@ U E 'T !B C@
J- A+ - + E@ ? D@ - -,D B C@ C-A 4QLL 7 . .
! - $! $ - (=N :> + E@ -C@ +B@) CC &- A+
;KPL % 7 2 ' Y V &!*$ L B@ J,->.B --?@ +-
+ AD + ,,2*> + C@ @ , A.2 + +B@ " C@ J- A+2 + @ EC> @D D@
- I> C+X J@EE,@
+ !B C@ 8:@b (2 10 1 0 5-C? $0 - C>2
= BX C@2 = P -E C8@2 -B-C@22 B C2 C B C@2
B GC@2 K < B@ C 8 E-A@(2 P B C@ 0 L -E@C2
L = B@@C2 P M -B@C@2 = P B@C@2 M ,0 -B@ C
^ B@ ?@ -CD A@S+ : B@ D -A -C -CU -
?@ E-DG +B@ J>E C@. -A2 .C- A2
+--- ?) 50 , 0 OLO @.@ - @C U C@ N(Q aV-A@

A -, A' ,',-)-' &,(A'7 C 7 >, U@C)PM OO !)) `'? AA@'
C>' ;LOP<!& ((Y '? 11 2(A'7 C .B+ & (;=K
* - !'+B@ @E-C@ BX C@(' $JO ' 3 '?$ (
C(' '8;=<P( )MK B@ B@ ' E- +@'+B@ B C' AD
+B@+ G +@EG+ @A@'+B@ .@AG+->C ' ,';=NN $) ' &"'?.
MO=O OI+ B@ ?-+B ?')@GA -'!-C@Z B + C-'B B@>@D
D->A+-'B ' B-C@'"@' ,@>@'B ?'D->A'EG'+B@ BGA' ,';==N
C & '*(C$ ==K ;'! B-C@Z JC G' J C+@'-' '? AAZ*)1
> # ' ' .)'?" ' $' '" ' ' 8;PPO(Q' 5C-?'+B@
?GDCGD@+-'+B@'A AU@'d5 B C@' MPQ 7' .I' ' $-' '
'SS '== '+B@'!B C@' AD'J C+'+B@C@ E->+' A-A+@D
+B@C@ E)' ;M<='C !0 $ (4 , 'OO B@ @'O-A@ Z X
+B@'!B C@'-C'&>E@

.@A@C +-A '+B + ? .B+B @'JC-D> @D'+B@C B C@'-' U ,>,
AD' A+C@J D'? CA@C
' B@'?@ >C@'-C'D@.C@@'&'I> , +GZ -AD + -AZ
@+ ' B B' ' ,,-++@D'+-' A' AD D> ,'EG'A +>C@-C
&C- D@A @

C .->C -'->+C .@->'E@ A ++Z B + ' , C.@ B C@ + B@ D
->+-'+B@ C@ +' ;M=;' = . '<& ; Z -' -AD@C
+B@A' A '+B@ @C @'@A ->A+@C-'+C>+B AD' , B--D'+-.@+B@CZ
. ' &BC @ Z 8!@@ ,-' L(' $ '$' ' $
$!. '8@ C, @C' $ '$' ' $ '!. +(+B @I> ,
B C@ Z B A.'@ B' ', U@ B C@' , -' &' & $
$' ' $ '$!. '8 '!. +0

[illegible]

[illegible]

[illegible]

[illegible]

'J-?PJ--F$ N4#.

i' ! B C> J@AAG2' 1T' A'O -C J@A 2' B C 2
B-CAJ@AAG' ^' 'N' V' 'J G?@A+'
-' 'J@AAG'G@ C,G' -C' @ B' - 2' B B' 'D>@'
C-?' +B@' E>C.@ @' - 'O>CG' !+' D?>AD '+-' +B@'
EE@G' ',-CD' -' +B@' ? A-C2' A',@>' -' +B@' JC- +'
B B' +B@' EE@G' ->,D B @' -E+ A@D' C-?' +B@'
D>A.' EG' -E @C A @' -' +B@' ? A-C ,' >+-?' -'
-,D A.' +B@' +@A A+' ' ++,@' -A' +B@',-CD' ', AD

A' 9@AA@++' &2 ' '*0 '5 +'@ +' -?J- ++ I>-D'
&C J- + '@*> D@?' ,,@'D E + A.>, ' AA 'D@A C -'JC-'
,D . - C>?' J >' 6)@ I>- 'A-? A E A+ E CJ@AAG
D?>AD' D +'@ +' I>,+ A+ ' I*> D ?' -A >@+>D A 'I>'
>A>?' D@A C>?' J@C' AA>?' D@' I> ,E@+'
'B-?,A>?'
D +>C' -CVJ@A 2' JC-' + -, D
! B C '8: A(2' $0' $!(B @ ,G' ,0' ^'
N' a')D >E@D' +B' D>A.' !-' $-"3%$, '
D*' B ?G J@ +'8 @@' IA-+' ;KNK(
'B CA@G' @.B+' $-"*$(' U@' -A
+A.' -' - D>A.' ? S@D' +B' - DC- b' DC @D' A' +B@'
>A2' AD' > @D' EG' +B@' J--C' -C' >@,' A' -?@' J, @' S!S
'C $ ' 2' A@-'GD>C B CA@G' J@ + 2' E>+' .--D' U'
+ ?E@C' SKQ4' 7' . L) '6& ''"'< 11'S'QQ' G >A' A'
- C@' 'E@D' 'B ?+@' E@@+' -A' SKJM' ' !'
V !!"'S, 'O<;'1@' > ,@C A'2' B CAG' E, +@' -"+B@' EGC@' 2'
E' ' ; '8 @@ I>-+' ;KOP(
S! !'# $- 'A ?@' . @A' +-' +B@' J@C -A'
B-' ,@ A' ' - VE->@' ;)Q')' ' ' ')!$' '
8 $, 'S 'ONQ' "->+'G->' >,D' B ? @ @' C->AD'
+-' +B@' EGC@' AD' @@' + ,,' +B@' (G@
! B C-A2' D ,2')(0(* 7?
! B C--+2' 73=' ?70 1' 7?
! B CJ'8: J(2' $0' AD' 1[' 5-C? ' ; O' -@ CJ2
O' L' @CJ2' L' -8B(@CJ2' - CJV' CJ2' # C B CCJ2
L' =' CJ2' L M' -B CJ2' =2M' B CJJ@2' =' Q' B CJ@2
P' B@CJ@2' CJ@2' -CJ@2' P M' -B CJ@2' B CJ2
M' B CJJ2' ,0' -B CJ2' -B@CJ@2' -B CJ@2' L'
B CJ' ^%-?' @>+'8 A+A.' A' -+B (' # '
, $ *' -CC@ J-AD' +-' #5C ' .$*' . '#!'
.$*' 3 2' 3 />2' ,.$*(, *' 8?-D/>'
, *+(# " ' ,$*' ' ,$ % 83" ' ,.$*' '
, $%(,. *% ' ,. % '?-D ' , $ %H' # '
.$ *3'8! 2' ; _00 . $ %+ # @>+'T .$ *&Y0
B@' @>+'C--+'T *G'M $*3' .) *3' JJ@ C' ,-'A'
#" ' ,) %$' '3" :)b+- >+'-J@A'8?-D '+-'J-U@'
'C@(2 'I' ,$*' C +-A2' , $*$'"'+-' C G' B@'
@>+' C--+'T . *3;' . $*3'8 @@' 1]' . JJ@ C' +-' E@'
C@, +@D' A-' -.A +@' '->+ D@' @>+' C@' UA- A' B@' #"
AD' 3" ' $ *%' ?-D />' $ *+' B CJ' 'JC-E' >AY
-AA@ +@D a
'$ B0
; ' 7@,,' D J+@D' -C' >++A.' -C' J@C A.'B A.'
'U@@A' @D.@' -C' J- A+' -JJ-)'+-' 1!)' (
" A.' 'U@@A' >++A.' @D.@' , -' D' -'+B@' @D.@
,'KOP' 0'C 0',' =! @' @' @C @S' @ CJ' ' '&&
!$' $,) $(' ,'4!NP 3 OL;N 3 D' @ CJ@' ? C@' @ S@'
$;'KKP' 0'V$ 0' OOMM!+C@' B@' -CWmAA@' C@' B CJ' @-CD'
+-'>AD@C -AA@' $' '&'C& - 6 0' '&' 0 %81
/@EE' DC @+B' B' CJ@' UA' %;=MN' E 1$' $' =0 A'
$1 31 0(5GC +@' ,-U@' 'E +' EG' UAG 'E@' B CJ@' \'U@A@2
4PNK B ')$' $ ' - ';NP 8/>B@A' E GA'
+B +' D' E ,U' +B' B CJ'C ->C'LILI
'A-2' : UA- 2' B' ! -CD' +B' B CJ@' @D.@' ;QS<'
-') &' 8 ,-E@(ONQ' B@G' ? U@' +B@' C' --D@A'
! -CD' -' B CJ' +B +' +B@G' ,,' >+' -'" @ D' @ @A' +B'
+B@?' L ' $) '"'L<<' A.,@'E,--D C@D',@A'
-+'EC- D@C' +B A' +B@' B CJ' @D.@' -' 'UA @' O<NQ' '
) 7' ' ! -(C & & 0' 8@D'M(S-M' '--D' B CJ' J@AUA @'
? G'E@' >@D
$' 0' AD'6 0','$&++'= B) 3'8;KL<(SS 'OP' 3 G' --CD'
C-?' B@A' -C+B@2' B CJ' AD' EG+GA.@' '! @CD' SW)'
<) ' =' <& ! '?0' 8! '! (<N'5C '+B ?@'+B +' B@' '+B C'+>A.'
B CJ' \' .C->AD' $0 $' 81 ' &*' P<Q' " @' , >.B 2'
B +@ @C' @ J-A' +C>+B' ? G' DC 2' AD' D@@?' B@C' B CJ'
C+,,@CG' ?@C@' +C ';KNQ K' 7 'Q 3 7' $!-$ 0' 8;KO=(OMK'
B@' B CJ' @D.@2' -'J>E, '>C- +G
E' " A.' '+ J@C A.' @AD' EC->.B+' +-' ' A@'
J- A+' -' '+-'E@' >@D' -C' J @C A.' ! D' ,-'-'
+B@' J- A+' + @,
, KOP' *0C 0'Sa 'M!+C@,@'M A@ @ CJ@2' $ $')$'
$,) $ 0' $'SS ' 0?(' &'0'8, >D'3! (A+C-D 2' / '.@A ?-A'
E' 7 , 'P' DC -A' >?C@' @ ' -CD'@ ,A@' A>D' @ CJ>?' J ,>?'
.C@ +>?' AA A'E ?' @+@C@' ,'4K-W 'LNQPO! @' CJ' @'
J@J ' $5$0 ' , 0 0' O;O' " @' J,D @D' A D' @-CD@ 2\'
E@C@K' B ?' E' E@') @CJ@' -CD@' +,JJ@A' B ' +>A.@'
B 'C &!0' ;S=' '. G'D).@C@2' " CA@)' @,2' AD'
B CJ' 'J- A+' -' J@C@' ;=K L $1! '&%' &*' '
4 2' ' E> B@' >,,' -' B CJ' +B-?@' ;P;L' %' '"'
8;<S;(' PP' B@' 9'A.@' B D' .@>@A' -?? >AD@?@A+' '+B +'
@>@C @' ? A' B->,D@' JC->D@' B >' ' + U@' B CJ@' +E-+B' @AD@ '
;PKK' 0'> ' ' ' <;' "@' D @' J-A' ?G' !@? + C'
B CJ@' J- A+' SMKK' . ' - &) "' LO= O'^ A' A +C>?@A+a'
+B' ' B CJ' J- A+2' ,,@D' ' A @C' ,QQ)' I.) ' $ 0'
0'8;QQM('LNQ BC@@' @CG' B CJ' +@@+B' ;KS<'
' $' & 'S"2 /@@J' AD' B J'C- @, ' O >= ' " 0'
;' ;N=' B@A' B@' +--U' +B@' ?)E+G' J@ C2' B@ D@D' AD' B CJ'
+B' EC
&' (' $ % 0' ,'$//+' 3 .' $! 'G' $ 0' $, $-(
%'*2' AD' G+B' B CJ@C' J U ' A' @'A-+' E@' JC U@D2' +B A'
A' +B +' B@' -? J@,,@+B' '8 ' +' @C@(' +-' @@' +B' >C@' @ @'
^@+ a2' SD-.' $,1 0' C' 'OL' O>+' B@' C D@' @,,2' AD'
B' .C@ +' ->@'8 B ?' 'E ' !J>CC@(B +B' B-,J' B ?' SK -'
'C &- 0')'13' ;' 4NO +B@' B CJ' + C'J @C @'
A+@C' CG + ,' SKMM' ' =) .)' ' 0'A 0' .1(
+'8;KQK(' ;LN' "-J@' ' B CJ' .- D' +-' ?G'C@ -,>+ -A

' -?J,@?@A+2' @ J' +B' J 'JJ,@
';LPN' *&' $ &' 'K=;L'89!,E A.(2' 7 G+B@' J@CG 2' +B +' @C@'
B CJ@' .C- AD@' S=S O-')7 &' 0 &"' ';N;=2' '
B DD@' -' " @ +-C' B@' ? -C+ ,' ->AD@2' 7 +B' 'I> C@,'
B CJ@' B@+' \' .C->AD@' ;PNK B '<&! "' $ '
/C@D@ >,,' C- '.C>ADGA' B CJ' AD' I> C@
D' A' ?, + @' J,C @ 2' $*'$'$' $0& '$'$'
%E ! '@+ '8- +@A' $' %0' AD'% 0' A' @A @' L <(
$'S--' &)!' ' ;ON) @C' B ++@' @' GC?2' E'
@ , 'E@-'A@@D,@' @ CJC A' M S' '" -10' ' ;N
-,--U@' J-A'B ?2'+,,'+B@' D ? A>+ -A' # ' J @2' B D' J- A+@D'
B ?' B CJ@' '?G' @@D,@2' $';QLO< ' 2' &' &%' -!'
P;' !B CJ' ' A@@D,@' C@' B@C' -CD ' ;K=K ' $'0
$ ' $ 2' J .C ?' +B +' @C@' ' B CJ' 'C S-C' SK S
=) ' & ' ' $!! "'S 2' ! B CJ' ' U,@' +B@' @D.@'
-' B D@' AD' B A@' ;KPK^ @@'='*a' ;KMM< ' 0' &!
' :'=M / @AA@C B D' '? AD' 'B CJ' 'A@@D,@
&C U,G' 1 0
S---' $50' , 0 'L;=' !)A ?' E)@' @ CJ A' EB+,@'
?-C A' ,;P=' 0 0' &'08 >D'3! (' A' ;;LQ2' ^" a' D D@A'
A' , ?' C@A' E>+-A' ? AA@' +BC-+@' ;L<Q $' < . B'
8$-,, (MQ<='aV@ C- @' JC A.E'- 'E@' EC@C' E +' CJ' \' U@A@'
$';LNN) &' 0' ;MM;M ' C>A' J-A' A 'B@>@D' (?" @++' -'
UCJ@' +C@') ' C-.B+' ,';=NN'?)' S2' 3@A' @++@' JJ-A'
BMC' "@>@D@' B J@,@++@' -'), CJ@' A@+,@' 2)S-'
* C0' '4'SK-V --+BD'EC C2' B) @' C4@ 2' JC UA.'.- @2'
\' +B-CA ' SMSS' . ,$' '=' B@' ?-+' JC)+' '
B4>J@C' +B@A' '+B-CA@' B@D.@
' # ' AD2' .C @,2' @+ '%-? J- @D' -'? +@C ,
B A.' B CJ' J- A+' 'B CD2' A.>, C2' .C ++G' -'
, $!0
;M;K' 7' 8 2' ,0=' $ 0S '8;MOL(=M! +'+B@'
@ C+B' +B' - ,@' B@' A' A B' -C+ -'+B UA@ @2' AD' +B +'
'A, .>@'+-'+B@?'^ -C? a2' -' 'B CJ@' .C >@,,' ;M<L'= L '
- .0' 5 ,0'8;QN)'O=' B@G'? U@' > @'- '+B@' B CJ@ +' ! AD'
+B@G' A'.@+'8+B +' 3 A.'+B@' E@ +(-C 3 -C+@C' ;KNM<$0
,& 0'8@D' O(MN B@' ->' -'+B@' C E,@' J C+' '+B A' AD' B CJ2
E>+' @CG' @C+,@' ;KPQ' = ' $' 1.(? 0' '
8@D' L(OM DD' +-' +' A' @ .B+B' J C+' -' ,@ A'E>+' - C @' B CJ'
B ' SKMK#' $!'$' !B CJ' , .2' K- +
% 'K2' $->.B2' C>..@D2' 1 0
%B @ ,G' 'C@AD@C A.' - ' '$ 0
)K<L' "$= ' &) ' ' e' Q' ! ,E@' @ CJ@' @. '\'
+ A B+@' ;LKK' 9 . 6' , 'SS 'O< 4 B)'DC@). @',@ +' @'
B>,D@A' ?,@' A+-' B J' J, @' 4=!# 17 3' %'
0' < !1 'S '8;<;N(KM 7 C@ B D' ?@+@C' B CJ' ,-+B2' J'
-,)'B@' E@' B>,D'B >@' ;PQ=' 8 ' <) $ $;' $- 0'
* 0'8;PQQ(;QL' "@' -?? >AD@D' +-'E@' ? D@' A' +B@' ? - +@'
B CJ' ? ->A@' A@' - ' C.-' '?- +' -,@?A@' #C ,@' ;P<M
1. '+C' ! > ' 0' ,& 0' '<' B@' B-A+ A@' C ?'
AD' +E@C 'C> B2' B CJ@' AD' B CD'B ,, W
' AD' $1 &!0' $'4!LM &' ' $ &! (@+ I'8;<NQ(P=' B-
'E@' B CJ@2' \' @' +B@' ?-+B@
>+@' -C' J@A@+C + A.' A' A+@,,@ +' -C' J@C @J+ -A2'
'#' J@C -A' -C' +B@ C' >,+ @ '+8 (A+@,,@ +>Y
,,G' >+@2' U@@A' ++@D2' D @CA A.2') -> '=&1 0+0
=1+' - ' A',@ 'D.A @D'> @' 'F> U ++@D2' ,@ @C
8 D' @ J' - ' B ,DC@A(
% '+B@' D ,@ + &A-+'C .B+' B CJ' 'B , ++@D2' ?E@D,@'
CKKK') &$0/'?& .0' SSS+S' = O>+%' E@' B @EE@' ' @ CJ'
AD) +' ! @C' GC' ,'S--' ' T' !!' QM '
EC E@,,' B>' :?' @ C+' ,,@ ' \' @ CJ' &&' , '
) 'OL' J +'">' >AD@C + AD@' ? D' CJ@' ++@' B '+B @'
E @A')4LQ!' ,0 0' $ ' SS 2' %$*.& +' MQN 5-C' E>'
L-A. C@' ')A@' 2' CJ C@' - ' G+' \' ? C@'?G B++G' 4=Q='
L ' ' '8;KKL(;L;' B@C-'-?@+B' -C.@+@A@'
-'B '?GAD@' AD' D@ +C> + -A' - ' ,,@'I>GU' AD' B CJ'C@ -A'
CS.--' $', !& 'OKKP A'B ' -A @,,' -AD@C' B CJ' AD' G '
;P)' 1 ' 0'A 0;;' S' =<' "@' B D' B CJ@' -C@ .B+2' AD'
-CU A.' +' ,';MSN' &- '' $' 'SM' 7 B +' '?-C@'
A.@A -A ' AD' B CJ- ' ++'+B A' B@' +M<)' 1 ' dL"0'
'LLQ $' ' >+ ' ' @CG' B CJ' ? A' 4Q<.(\ 0 1' $ "'
=': A2' /C' 9 A.2' ' B)'C@ DG' ? A' A' J-,+ ' 4KLQ
' . ' 0' 0' ' ' ! B CJ' > D@+' +C' A S@ 'G->' +B'
C- I>@ + -A' ;KQN' ' &!%' . 0' ;=Q'
@)'! B CJ', D
&' # 'C@ -A A.'-C'D ->C @' >+@2' . ->
=* 0+0' A', +@C'> @2- C@? CU &- B+D)2' J+2' ++G
!K-' ' $- !$' (A' *' 'C& 0' .0 8#S '
;<SO(MSM' 3 +@C' "8 C @Ga' B-C+2' E>+' B ?@2' AD' ,@ CA+'
,>D.@?@A+' - ' C+BI> U@' ;MSL' ' 0' ('
;=' a8 @, ,@ D.@D' 3 AG' B CJ@' C@ -A' '+-'D@ @ +' +B@'
4! C ' 8' -) -0' 0'='C&-0' ;PO'1->C' @A+,@?@A'
+B +' J@ U' B CJ' AD' ++G' B A. '+! !+' 9 B@ 'C! $ 0'
0'SS '8;KPQ(;OM' +' '+B>' +B + +B@' B CJ2' I> U' @AY
+@A @' . B@D' +C-?' +B@' ,J '- 'O>-A C-++
8' # ' .B+2' B@ C A.2' +B@' @G@' -C' @ C ' >+@2'
U@!A' # +@A' A' .>C + @' @SJC@ -A
,'S--' $50' , 0' 'LN! -' GA' E E',) @ CJC@' '+ !S'
B 'C$ 0' &)E 'LL;' B@' C-G ,' @,,@) ' +B' B '
) J@',--U' J@C @+B' +B@' -AA@' E'#' 3 '&,'
*)-' A+C-D' 2' 7 B@A' +B@ C' $@ -A' ' G@' ' B CJ'
AD' ,@ C' ;MLN' 0' 6& ' &!' V' T' =V &- - 2 0' K B@'
.C@G' @G@' ' B CJ@ +' . B+' S! S' ! # 'V ' 1 (SSS 2'
B@' F>@@A' ' B CJ' @G@' --A' D + A.> B@D' $,C .B' ?-A.' +
+B@?' ;K<=' 'C !", &' 'QQ' 3 G' C@' JC@++G'
!B)' AD' 'B@ CD' L M$' ?>++@C A.
"@A @' - '-E @C + -A2' A' -E @C @C' . , A+'
&BC @2' &'. *'$' $*'!&&.3&) 0
;P)'%- $/ ' $ -0' 'SK' B@G', G@' -' B CJ@' +@' -C'
2'+B +' @' A'A-+' .-' @ J-A' +B@' +C@+@' ;)=' $'
0' , (S 'SS 'OMP' B@' B CJ@' +,--U@C' -A' ,'
?@ +' ' A'G->C' -+B@C' B AD2' S)'&' B 7 ' 0' 0'
$! '8@D' L('LLL' +B@' ?*-C +G' -'? AU AD' B @' '
+C-A.@C' JJ@+ +@' -C' @A >C@' +B A' -C JC @' - +B- @' E- @'
+B@?2 B@' ,,' A +>C ,,G' U@@J' ' B CJ' ,--U ->+ +B' +B +'
@ ' ;KK<'# 11' &- '&%' $ ' ' +' ;PK' B@' E B-J'
U@J+' ' B CJ',--U ->+'>J-A'+B@?
@ ' 9@@A ++@D' AD' ,@C+' A' JC + ,' ? ++@C 2'
E> A@ ,U@2' ? C+' -+@A' +B' ,A ->C E,@' ?Y
J, +-A2' I> U' +-' + U@' >A)C' D A+ .@' - '-+B@C '
,?' ' : +
A%0>' 1 ' &"0' 'OO)' B@G' ->AD' +B +' +B@' /-A' E D'
E@@A' +--' B' +J' -C' +B@?' ' ;QKO' - ' &!0 6$, .'8;K=N(=

"@' B CJ' ' ' +C@@+ EC@D' E-G' ?> +' E@' +! SK' '
&1' &"' 2' B@G'.-+' ? B CJ' @ +,@' ++-CA@G2' 4KPL
$' ! B ' *&' >' *0 &) 'S, 'OPO' ?-A.'G->+B '-'
B '- A' ,@' B@' , 'C@ U-A@D' C +B@C' ' B CJ' B AD' ;KPP
' & ' 'SS 2 :'B @' @@A' -'?> B' E> A@ 'D-A@'
-A' B CJ' JC A J,@'+B +' ' ?'+ C@D' - '+B@?' ;KP< 3 '
$ ' *& ') - ' 2 ,,' - '+B@?' C@ DG' +-'D-' ' B CJ' +B A.'
SKK-' ' 1 'C&*' + ' <=' "@' ' -CD A .,G' JC@++G'
B CJ' +' ? U A.' 'E C. A' +B' 'J>E, B@C
! ' .@C2' ?J@+>-> 2' -,@A+2' ' # ' A -C '
.@C' -C' E ++,@' 1 0
,'S---' 0' & '0'8 ? AA(M+ ==' 'n!'E 'B'A@' DGD-A'
A A@' D @DE-+@2' +V' @AD@' B ?' .-D' +-' E@A@' @ CJ A' B@C@'
$-? A C@' ,@-D@' % 0"0')) ' &''9'A' 0 0' ,0<P
" @C' +-C' E' B CJ@' ?@GA@' ;=Q;' L '
,)" !!'8!-??@C('O=M B +' ?@A' - 'C?@' -,D' B >@'
A-' G>@ '+-'+B@AD@' +B +'+B@G' ?G.E+' E@' ?-C@' B CJ@' \'+@C'
A' +B@' CC@
+'E' # ' @@, A.' 9@@A2' CD@A+' 1 0
';LQ)' ,0' 0' $' ' '=6& $'' +'PN;' $G B+' '? A '
D@>- -A@' E +' I>B ,@' C' -A+@? J, -A@' 'DC GA@2' ,'E@

E>+' +-' B 'EC@ D2' A-+' +-'B 'D- +C A@
#' # ' -A, +2' C C@2' A' ++ U' % A @D' -A'
+B' .->C2' @C @2' U@@A2
;L') &' 0' QQPL' 88*D++(5>,' B CJ' H & 0' A Ja' +'
@, 7 'D-A2' E' +B' C2' B CJ@' AD' A@,' ;PNK' B '
2'E +' !+->C' AD' A@,,2' ,,',@DD' E@' -,U' - ' C @,,' ,;LK;'
B 'C$ 00' &)! 'O B G' -' B CD)' - B CJ' +B@'
-AI>@C A.2' ' 9 B' &' 0' ' 8%-++ (;<KO
0@+ ,@GA' J '$-,, AD@' -' ,- G' AD' 9G,UJ +C U' 'E +@'
@' 7 'D-A2 E' +B' C2' B CJ@' AD' A@,' ;PNK' B '
<&!"' $ ' ;QN' B C' B CJ' G@'?G B+' D-'A-'D>C@'
-'?@' $'OPKM : G' ,$ $';'8!-??@C(OQ' B@A' E@. A'
+B@' .B+'+-' .C- '?- +' B CJ@' (M(' ') ' $- '>'
? 0'8;MLQ(K;M' B@' .B+' -A+ A>@D' B CJ@' AD' B-+'-A' E-+B'
J C+ 2' ?('' B ' 0' 0' SS ' ;L;' ">A+,@G 2'
+@C' ' A C' -A, +2' J>+' +-' , .B+' +B@' ,@ +' A.' - ' +B@'
A., B' $I /' = ' '8;KK<(: =' B@' -A+@ +'
E@+ @@A' .--D' AD' @ ,' E@ -?@' B CJ' AD' D@ D,G' ;K<N'
* ,$ & 'L' 3 G2' B->.B' +B@' D > -A' ,,' E@' B CJ2' +'
,,'E@' B-C+
D' # ' ' +-C?2' 2' 'B- @C2' @ 2' @+ ' "@ G2'
-,@A+
;L' ' &'C& - % 0' '&' ' 0'Q;M LL' ! B CJ@' @'
E +' ! B J'B ' G,@D' OLQQ' 7. 'C0'C 0'M'S '=N<' +@C'
B CJ@' B->C@ ' I>-D' J@@' '?- +@' B@A@' -AA@2'
,'$& ' . 3 ' $ '' &' 'PPM' 7 B A'D@@+E2' '+@? J@ +'
B CJ' \' -,@A+2' 7 +B' - >,'+C->E,@' B@?' B , @S@' \'+C >,,,'
;PKP' '9 7 '+C' ' &!$">' &"0' C'S '=M 'B CJ@'
B' C@ - 'C GA@2' B E@' -A+GA>@D' A+G,,'+B@' ?-CA A.
@' #' A' ++ U' -' D @ @' >+@2' -,@A+'
i , -'R' 8 '$0' (
A%+>' 1 .' &) 3%0' ? $ 'L=;' # 'D @ @2' -?@' E@'
,,@D',-A.2' AD' -?@' B CJ@' AD' B-C+
'8 (# ' 'B U' .@C' -S JC@G' B>A.CG'
=1+' + # 'J@C -A')?@+ ?@' +B' ,,> -A' +-' +B@'
B UA.' @A @(' '">A.CG2' T B CJ @+" 4&1 0+0' 4,+'
'+B@')+ +@' '9@@A' # '+B@' +-? B' '%C A.'
-C' --D
O=KM ? .0' T' !1$' ($2. ' ' '*E2' , -' B@' ? G' O'
,D@' A' J C@' B U@' -'E CJ@A@' @-C B C' -C ,@ ' B@' W
jjjjjjjj [jj' :jjjj 'j+' :jjjjjjjj . j.jj' 6.

B CJ@ . A +' A'@ @AA.'O
. ?@' OPQQ' 0' $')$!'8 -A.? A(<P :' ?' -?@'
+B' ' B CJ@' +-?)@2',@+' ?@A-+'.-@' G@' +GA.' ;P<M
' $-0' 0' ;<L' 3 G'5 >, -A'A- ' B CJ@2' AD'
J A.'@?J+,@' OK)'-B. . &!"' 0' 'SS 'OL;' '
D G@ 2'D-@ 'A-+' @ ,+B' ? U@' +B@?' , XG2' AD' J- @C+G' U@@J'
+B@?' J A >,'+' , U@' " U'+B@G' ,@'E@ +' B@A' B CJ' OMQK
2 7 & $! '2 0 SS 'L;Q' 7 B@A' @' B @
+@D' ->C' @, @' !B CJ2' AD' ">A.CG2' OQNQ^ ' 9)V
?$ 1$,)' $ 'Q' B@ C' !+-? U' @C@' ',++,@' +-' E AV
+-' DA>+' -'+ ?@' @A->.B'+-' C @' 'O,@ A.' -A' +B@ C' 5--D2'
E>+' ,,' @ '+-2' ;QQO' < .) ' $)' , '&%' ' &' ' B->.B'
?G' +-? B' 2 ' B CJ' ' ->,D' C @' B@,J'C@.C@++ A.2' -'
J- ,' > B' D@, +#' J +>C@' EG' @ + A.
F> U' -C' + @' A' E-D ,G' ?- @?@A+' #'
?- @?@A+ 2' @ J ' C>A2' ,,-J2' @+ 2' , -' - + -A'
-' AG' U AD' OC U2' @A@C.@+ '
,'O==NC &-*0'C$ 0'=== ;' ! B CJ2' -CD@,G>@C2' $ 1 (!&50
OQMM < .) ' ,(0'S ' !@++ A.' ' + -' ,++,@' -A@' +-'
E-S2' +-' ? U@' +B@?' B CJ2' 'B@' ,,@D' +' ;KSQ' : ' = '
*& - $') ' ,(8@D'O(OL'O>+'@AD@' ->C +-' J>,' J>' U'
+B@' A + A+'G->' @@' +B@' ,>A' - @C +B@' -E*@ +'G->' AA-+2'
E@' +--' B CJ' OK=K 7 '%' . ' ,0' 0'S 'e <

00 -& " jj)jjjjj2jjjjjjjjj) jj2
?@A'E +@D' +B@ C'B-C @' +'+B@' BC@@'%C- A
=1+' C & 1$!* 0' 86 @D' ' A' A*>A + -A' +-'
JC-? J+ +>D@' -C' A-+B@C' > @ @@' I>-+' ;QKK(
A>+%'S B7 ' $. 'A'2 C@'G->'+B@C@ E->+ 2' +B'
B@A' B CJ' '+B@' -CD' $> '< ' 0)! $ ' 0'8@D'OV
' ' .$ (!B CJ' '+B@' -CD' AD' I> U' '+B@' ?-+ -A2'
B ? ' D' - ' AG'-B@' @CG' ++@A+ @' +-'B '- A' A+@C@ +2' AD
'+-'+ U@' ,' D A+ .@' ;KLQ' ' ' '6$,,'? $'2 0@'
@2' ?G' A@ @,,- ' B CJ' '+B@' -CD' AD' I> U' '+B@'
?-+ -A2' @B ' +) ' T 6) K? $. ' =' $' '
& '== '%-?@' A+-'B@@,2' C '" AD' B CJ' '+B@' -CD2'
A' # ' '+C@ ?'' $ J D' - ' $ 0
OMPP' 9 . ' ! ' 'SXMM (4LO ,,' 5EB' +B +' , @' A'
,@ C'-C' B CJ' +C@ ? ' ;QKQ ' ' ! ' '8@D'O(LM 5C- ?'
+B +' + ?@'+B@G' D@, .B+'+-'E@' A' B CJ' +C@ ? 2' AD' > B' '
C@' @CG' +' OKQP ' ,"!0' ? 0' :: 'LO 0 8 C+ ' ! ' +'
'D@@J' @DDG' - ' -?@' B CJ' +C@ ?
' # '+B@' J>, @
OK=L' $ ' : F< 3 ' " 0' ! '0 S ';M;' &>, @' S -2
B J ' .B+,G'D C-+-> ' SK<Q !!1) % ' " 0' 0'::'
MO;' B@' J>, @' E@-?A@' ? ,,2' - CJ2' CG'-C C@ DG
*' # ' A+@C2' A+CG' @ +B@C2' C- +2' AD2' C'
%>++ A.,G' -,D2' U@@A
& ;

;=LP P '(&' &''89 A. -CD ;<NL(O B ?@ G@)@
f ' $ B+ !B CJ@ 7GA+@C' S.)' B '+C' ! $' '
- - (A'+B@ ?- + B CJ@ + ?@ - ' A+@C' ;MSN B '
2 *(' 'OP= B-> +B A,6+ + ? > B -'C>A' J#A' +B@
CJ@ AD@ - '+B@ -C+BZ +V '- 'C!$) '8;KK=(@ '
+B' B CJ' +B-' ? -D@C +@ 7 AD ' ;QMO' ' '
[illegible]

J>?' @ @D@Z ;LQQ' 7. 'C 0C ' O 'SS' LN=!BC ,@' B-J@
B CJ@ ,>@ AD' ? D@'?@A'D-'J@A >A @'5-C'B@C ?G D@D@ '
,'SLb' B 'C &!0 LPO 7 -' 'B ' --UZ E>+ 'B ' > @
@C@ &-GA >A+ AD ,) J Z S=7'(' 0 !, 0 ' A'
[illegible]

! +>CD G' '+@AD@A G' +-' A.' B CJZ B B' ' + + ?@'
>) @ A+,G' A-+ @ E,@
G ' 7 +B'C@ @C@A @ +-' -C?'-A,G'8 +B->+ ?J, Y
+ -A' - ' >++ A.' -C J @C A.(
X ' J@C A.'+-' '8C@, + @,G(A@ J- A+
[illegible]

[illegible]

' F> D E' ' -?a),@A @A+' +B' JJ,2' D* 2' '

8 + ! .F ' 5! "$)$' 5! ("$6'$11N"5'*

[illegible]

!B CJ' 8:)J((' 1@' $!0 ^'%-CC>J+ -A' -'

[illegible]

!B CJ' 8* +J(2' $ 0 5-C? ' ' @ SJ@2' ='

[illegible]

*@1 $ '-E ' -A>'-' 6

[illegible]

N2 9@@AA@ 8- -E @C + -A(

K C E5- B@>+? - + B CJA@ - ++@A+ -A
3CB+ B :>, A JJ, @D2 ->,D A-+ D - @C 0C D.@A-C+B
J-U@ @C -> ,G -C C-A ,,G +- +B@ E- @ J>CJ- @
&>A.@A G+- +B@+ +@ D +G2 ->CA@ 2+ C+A@ 2
S--- $50 , 0 OO= OO J @ @ @D@ C@ @ CJA@
$ 4#KL 7 6 5! d - 0 8;KK)(LP J) @ ,+@ @ CJA@ @
$5 0 50 - $ 0 !$!< ? -C- D@X C
> @D - B CJA@ - E,-D@ AD ->@C ?G A B@+@ EC@AAGA.
J@E,-D@ 4PPP) ,$ 2 0 8 CE (- B@ @ JJ,@ 2
B >@ @C+@GA@ @@+A@ ?GS+ +B .@A+@,, E CJA@
SMM . " 0 ' ' 8;)QP(;PP B@ !>,JB>C 2
A @ + +B@ B-,@ ? - , I>-C +B !B CJA@ -C D +G
4QN; 1 ' !- › 0 S 2 8;QON(L=K 3 U@
?@ -?@+ ?@ + +@ +B@ B CJA@ - +BG A@. C ;KL<
= : .) A C -,D C $ - 0 8;K=Q(
=M= " @C A@. C +B@ *!))! $ - B)JA@

! !@ @C +G2 B C BA@ A J>A B?@A+ @A >C@2
C@E>U@2 @+ J@C +G A E@B ->C

$;LLP C & C $! , < J-> B ,+ .->@?@A B@? A
! B CJA@ ,S)P &) ' 0 E ?$ &!& - 5&› 8 ! (OP
@C+@GA@ E- B@GC2 -D@CGU@ EG A ?@2 ? A - .C@+@
B CJA@ @ ?-C@ +B A @?GD BG? NSPPK)
- 0 4 8;PKP(OMO B@ B)A@ @ - B -CC@ + -A
;MNM ' 0 P ? " LK B-> ?> + A-+ + U@ ?G
-C?@C B CJ@A@ @ ,, $5 66 .) 8/U 0> UB? (
. 0 4QPL ; QP !-?@ D D ->C -,, @ BB *> + B CJA@
E, ?@ ;K Q ' 0 $)0 2 A @G@ - ?> B B CJY
A@ AD @ @C +G - @SJC@ -A ;KMQ . . 1 &'0
?$,S :: O=P A J +@ - +B@ B CJA@ - B@C +-A.>@

E > +@C +G2 @+ ? 1 0

;L=N " ' 0 ;KQ @,@ ?@A ? U@(V+- .-D C@B @ - >@ +
A.@ 2 - J@C@.C A .@ 2 - CJA@ @ - E-DG@ , ;==N
6$,&1› 2 !! ;N J->,->@DG + ++- B CJ@A- @ - J@A >A @
4=PN 4PLN " 0&) $ " KL&@A >A @ G D-A@ A -C- @
- B C+@ AD B CJ@A@ @ - E-DG

C ?-AG2 @S J@C +@D -AD + -A 1 0

;MQL 1. E ' C & 0 ;K; ,, +B@ , @A@@ AD
B CJA@ 2 B B -?J A@ +B@ D @C@A @ - $), . -A A
-+B@C %->A+C@G 2 @@? +- E@ JJ@ @D -C - +A@D B@C@
NSQSP B 2 ' › - 8;QMM(O;Q " @ @SJC@ @D
@CG %BC + A +@?J@C2 +B->+ B CJA@ -C C@ @A+?@A+
4QLL (. 0C) 0 M-S !> B +B@ B CJA@ -
?@A J C + -A E-+B D@

+D !@ @C +G 8- @ +B@C(2 U@@AA@ 2 A+@A +G
8- B@ +2 -,D2 @+ (1 0

;=K &' .& % $ - 8 CE (<= AD G@++@ G ? -A +C GA@D
>, -C@ +- - GC +B@ CJA@ -C -,D@ ;PPL) # $ 0
' 0 8 CE (LL + B B@ +G?@ G@ B CJ@A@ # A+@C
@S @ D@+B +B +B@? MM <) - $' * - + ,,
A-+ E@ -??-A +B 3 -A+B ^: A> CG(+- @@ 7 -?@A . - +B
A U@D B->,D@C EG C@ -A - +B@ !B CJA@ @ - +B@ C
;QSL &) 0 <$00 - =<Q; ; B@ E DA@ - +B@ $- D 2 AD
+B@ B CJA@ - +B@ !@ -A2 B @ B AD@C@D +B@ ? C B ;Q)K
` & "(S 8;QK=(=PP B@ B CJA@ - +B@ C
@@?@D +- AD +@ -?@ >DD) B A.@

!@ @C +G2 >+@A@ 8- J A -C -CC- (
J A >,A@ 2 B CD B J

$ 4=NN C " - ( ) - 8;K<P(Q 7 B AA@ E->B DD + ->@C
-?@ E@ @A CJA@ @ - D@@*\ ^ - & $,)! &H , ;=SN) 7
%) $ " ,S 8;=K=(; 2 5-C B CJ@A@ - +B@ -D GA
?@C+@ B@ BG,D@. A @J@ ;POM C ! 0 C %0 8 7 D@ 7
;PL;(ON=E2 " @ > C@D +B@ B CJA@ AD ? C+ - J GA@2 G@
> B@ A@>@C > C@D SMA < "2 <& &2 ;;
e O= ;MM 7 B + A@@D + +- B@ ?@ B CJA@ @ - +B ? A@
EG +B A. +B + A+ , @ ;QN< &' (<$ 0 - =PO; O #>C
- B E@@A @CG .C@ +2 +B@ + -A B A. E@@A - @ @C@2
AD +B@ B CJA@ - +B@ B-,@ B A. , A >J-A -6C !B J2
+ . !BC ,,A@ 2 B .B J + B 8- - % @(1 $ $ 0

;L<K 3 ?$ 0 C 0 (SS 80-D, 3! (2 +
@ D@ E + > @ - B CJ@A@ AD - @E >A. A. - - @
EG @E >A.@ A. - .@

+ M %C A. 8- +B@ +-? B(-C E-D 1 0

;PK; 7 66) 5$ - 0 & - * 0 2 8;KQM(;P 7 B@A 7 @B D
@ +@ -?@ B + +- + B@ +B@ B CJA@ @ - ->C +%,A U@
4MQP ' 9 . . 3 < ' ! 2 0 & - * 0 9h B@ B CJA@ -
?G !+-? B B ,, A@ @C ? U@ ?@ @@D >A ,@ A,G

2 !+@@JA@ 1 0 $ (

;PKP 9 7 +C , &!$"› &"0 ; B@ B@ .B+
AD) CJA@ @ - +B@ ?->A+ $B-D-J@ 1 0 SS6 ;L<
?->A+ - .C@ + B .BA@ @ AD B CJA@ @(

K &C U, A. @A + -A2 ? C+ A. 1 0

;M<= . ?$ › * ' 0 8;Q;L(KO ; A , ?? + -A 2
& A 2 AD !B CJA@ - +B@ G@

K / + A +A@ - ->+, A@ -C ?JC@ -A

% 1 A C !0 $' 0 4 =QP BC@@ .-,D - A -
&B , J2 B B B @ ,, +B@ B CJA@ - A@ ?-A@G C@ B
C-? +B@ ? A+ ;KLQ < 7 \ , & 0 KO
J +>C@ B- @ B CJA@ AD ,@ CA@ ? S ?>? ;KK=
$, - 0 $ 0 # + === O B + -CD B @ B + ,, C@+ A +B@
B CJA@ - + + ?J AD ? ,, A. 4<NQ : ') 7
! - 0 C & & 0 8@D M(ON B I>@ + -A F D@ A + -A2 -C
B CJA@ - ? .@

!B CJ A- @D2 $0

" A. J- A+@D A- @

;MQP N &' 0 <$ 0 - ;NPL = & @D / -) E + , U@
>C B@C2 B CJ - @D ;QMN ? %N&&!0 ,,2 M= B@
!B CJ A- @D 9 G ;KO< #) $) ' $?& $!3
- 0 ;OM !E CJ A- 3 3@ D- 3-- @ ;KLQ
C ,.2 0 SS 2 A ?J-C+ A+ ,--U A. B CJ A- @D2 ?G +@C ->
J-U@A J@C -A .@ SKKS $!! $ 0 0 ;=N B@
!B)A- @D @ ') !!$)! $ 0

+ " A. U@@A @A+ % 0 I> U + >,+Y
AD A.2 J+ -> 1 0

;PM; ($! '› ' 0 ; ;< - ,@+ -?@ --C+B
, +B@ @ B CJA- @D >,+ AD@C ;PQ< $! '›
- - 0) S B + @@ E@@ A-+ B CJ@ A- @D +- C >@
) A + +B@ D- +C A@ - -D

!B CJ J- A+@D2 $0

2 J@AA. -C + J@C@D +- J- A+

. LOL S !B CJ@ J-GA+@D2 * & ') 0 ;Q=< - .) R
7 B@ ? CJ J- A+@D A- @ - E ++@C E + A.
0>? ;KM= 8 & , S L)P B CJ J- A+@D C-D
C@J>,C A. +B@? -A @ +B@C D@ +B B@C E CJ J- A+@ @,E-

B ? 0 >? A +@2 ?> C-A +@

;PMP 1 $)) ( ), &'$ $%&! $((B CJ@ J-GA+@D
,@ >@ ;MPL & & P= ,, > B B@CE
B @ B CJ J- A+@D ,@ @ S! !! $* ' !(
!& $;M @ @ - +@2 B CJ J- A+@D ;KPQ 3
!&2 0 C 0 ;LN '$ $ > 7 8!B CJ J- A+@D 5,>@,
, A -C - D , S(

/ " A. MA@ J- A+ D J+@D -C J>CJ- @ -
J @C A. -C + EE A.

4P<= , 0 !!(;QP -@B@@C@ ,@AD +B@@ +B
B CJ@ J- A+@D ! -CD ,59 B 1 ' 8 $ 0
$E c * 0(& (B B CJ@ J- A+@D B-CA@ 4QNQ
=) 1 0 8;QO;(: ;K< B CJ J- A+@D !+ U);KQP
$ 9 . +C) ›) - 0 $, (? &2 ' ! ==;
B@ - C C@ B CJ J- A+@D2 AD A E@ > @D2 A @ -
A@@D2 @ J-A . A + A >A -C@)A ++ U
% 0 ;K<=) ' 4 4 P ; %@C+ A B CJ J- A+@D C@J-C+
B D C@ B@D B@C - B@C@ B@C B> E AD @ @A A. @C@ J@A+

" A. C@.>, C B CJ JC-*@ + -A

;Q=K ' &'› &"0 L;P B@ E-++-?2 >,, - B CJ
J- A+@D -C , C- U KMS (. , 1 ;=K 0 U , D +B@
% AD,@2 -,,- @D EG B C.@ - B CJ J- A+@D E . . .@

6(0L L0(D* D-

7 -CU +B + D@? AD EC U + +G2 $ 0

A -?@ D@E + A. - @+ @ 2 JJ, @D +- D@E +@ A+@AD@D
-C JC + @ A C@ D A@ - J@@ B2 +B@ C>,@ E@ A. +B + @ B
?@?E@C ?> + J@ U B@A ,,@D >J-A2 -A >E*@ + JC-J- @D
+ +B@ ?-?@A+

;)Q : 7 A 8;<N;(;PQ2: @@ C-? ;KN +- OON
J + @A+ -A @ B - ?G D G] B CJ JC + @ -C E@. AA@C

O " CD E C. A A. C@,@A+,@ J>C > + -
D A+ .@2 E - A ?-C@ >A ->C E,@ @A @
/ B-A->C E,@ + U A. - D A+ .@2 +C U@CG 8%
0 : (@ (

;K=Q ' .1 ' ' %) G ;=O B@ B CJ JC + @
- +B@ -C,D DC @ -?@ ,- . A+- +B@ ? - + . >@ - ?@A
-?@A C@ A-+ - B--,@D ;KM< U6; 0) . " ::
LNM B@ C -ADA@ %& +C U@CG AD B CJ JC + @

!B CJ @+S $0 : $0 8 - ?J (i

**!0 gE

!@@ **E N QP E " @ B U A. > @ 8; E(? G E@ +B@
-C . ?, & $ *0 1 N = 8I>-+ ;PQP((
.@C -C U@@A -C --D2 @CG B>A.CG , -

D - +B@ + >A B

;P=N . 7 ,&$) . + 3 *2 3 G ?GAD , C@DG
A +B@ J, ++@C -C D B@ : : ? B CJ@ @+ 4PKM B
, 0 !0 ;< O A &E ' (!%P - @C@ - B CJ@ @+
+- @ + C @D , @ 2 E>6@CD E@@ !+>@D A ,@ ;M) $
+$ O $1! ,SSG ;=M 5-S +B + !B C) @+2
!>CJC X3 %C E2 AD CCG D B ? G ;QOP)
' 3 A) %%&!.› 0 8;KO=(: ;WO 3 G +-? B
- ?> B B CJ@C @+ +B A ?G +2 +) + ; A G + ,, E@
@,, -C > E-+B +- -A ,>D@ SK) = . < ! ? $ A
2 U@D +B@C@ AG @ + A. B-> @ A +B@ A@ .BE->CY
B--D 2 AD @A+ +B +B@C B CJ @+ SKKM 3 V 0
'$** > ;Q C@ G@ B CJ @+ B@ U@D 1@ A +
+B + DC-J J CC + B

E # B U2 B->AD2 @+

;PQP B 3 $) ,&' 8 + B@@ E@@ @CG B CJ@ @+
AD D- J,>?@@ .@C,G SG!S 6) ' =K " ->AD 2
; +B AU2 B->,D E@ B CJ @+ E@ -C@ B>A+ A. +B@G C>A +B@
E@++@C JC + ;KPO B $!,&' " $!! " ') L;
6A -C+>A +@,G -C +B@ E U B@ B D A-+ E@@A B CJ @+
+B + ?-CA A. ;KKL .3 \ ) $!,&' " ? (
! ,- ;PO $ * (@CG B>A.CG

/ $' %0 9@@A2 @ .@C B A. D@ C@ S@D)*&'
C A. $% 0

;PKN .)*) 8 CE (LKK 0>JB>@ @@ A. > B
J@@DG@ C@+->CA@- A -+B@C >A @C@2 +B->.B+ &B , >+> +-
E@ @CG B CJ @+ $) ,$ $ 2 S 8!-??@C(
;QP E !B@ E@ A. B CJ @+ J-A +B@ >, ,, A. - BC@ D@
- @2 A ->@C ,--U A. &B ,- ,@ 5 %B = 3 . . & 0 7 U
8 C- C+(OOO ,+B->.B +B@ " -> @ E@ B CJ@ @+ >J-A
AD A. ->+ +B A) G@+ A@ +B@C C@ -+B@C J>EB@U ? ++@C
A@.,@ +@D 4Q" 8 X. (& C&* Q /@ 2 B@ +- A
B CJ @+ -A A@ J, G SKM- - P # 2 B@ J>E,
-?@ E U C-? ., @C AD ?--C AD EC@@XG @ - +
J@C @ +,G B CJ @+ -C ?-C@ -C +-CG SKKJ $ /U$ ' <)
!!$ '› % P= : D D A-+ @@, J C+ >, C,G B CJ @+ -A
@,@JB A+ + +B@ ?-?@A+

E " A. C A. -C @S> , AD>,.@A @

"!)› . 6$,. &% 2 1 " 7 U 8S< O() ;= ! C
8 D B@@(E@ > @ G-> C@ - B CJ@ @+2 ->,D B G->
--A G-> A +- @D 5 1 &V &› C " 0 0 S JS
& - "(' = $. + K ;M<P 7 3
& %& 0 S ;Q) $ › , 2 !- A@ ,- A
B CJ @+ UA @ 7 B@C +B@G AD

+ - .@C 9 ++ U %-A +2 &'0 1 0 $ Y 0

$;MLL B 0 8;MLP(<K B@ &B C @@ 2 B- @C@
+-- B CJ@ @+ -A B / J,@ 2 -C A-+ 5 + A. +B +B@?2 +
+B + JC@ @A+ + ?@

!@+ +B B CJ +B-CA 8% D) ,.3\ 0+ 1 0

M-S 9 3 0 $ (P2 7 +B A +B@ B CJ @+
+B U@+

! # @G@ " A. @+ @ .@C ,--U2

;KMP 8 B $!$ + L= / - G-> UA- +B +
,-CD 7 +B B CJ @+ @G@ :
"@A @ !, CJ @'+>@ $ 0

;MQL ! * &&% 0 $' *0 OM; @ + +B C @
= ,0 J-A a E@ +-+ ,,G @S+ A.> B D EG +B@ B)@+A@! -
+B@ &C@ ELC+@C A

!B) B A2 8: ':J:,A(%0 0 ^&+-E E U
-AA + -A C-? $ *3 ' ' = $2 .+: A*- >, C
,,> -A +- +B@ @ .,@ -A +B@ - A a JJ -C .
A ?@ -C -?@ - A - @CG ? ,, ,>@ , +@C2
> @D +GJ@ - B + B , ++,@ ,>@

;KN= $',$ 8& (%' 0 :>,G 8$ " B-CA+-A
- 0 <!& 0+(BC) !B CC B A $@ CD ^- @C@D -C C>A
G JJC@A+ @a ;KLO & :))$!!&2 ?0 50
8;KQO(<L B A -A D@C E,@ ,??] -C + A-+- +B@ ,>@
- B CJ E A 4KL= = C 0 - *! SSS2 5->C B CJ
B A +- J + C@@A ;KQO .) S , $ -
ML; $ * 5N , A)+@C?2D@A-+ A. +B@ ? ,@ + I> A+ +G

+!B CJ , J 1($ YH A L @A-CJ
B J@ ^ 1 $0 N " 1 V " CD B J2 C .->C
$, O ' , ((J@+ +@ E@ + - E@,,@2 B -A @ A U@C@+
+- CD -> >-C+- E +@A -A ->2 B>C+@ E A+ & B@CD B J@
^ ! : % B CJ @E J@a2 \ E>A B@)@ A CD@

!B CJ 9 --+) C 8: *J2*b+< (^ 1 $0 i
!>-- OO 8!- , $ % , ((, $ % , O H
? CU ? A - >C +@ ? * ,(A A , AD
? ,+ CG > @2 ?@?E@C - D -A @A. .@D A
U C? B A. AD ->+J- + -CU

L A %@)# ! 0 0(& $' (E-DG - B CJ
B--+@C A +B@ > +C A @C @ ;KNL 0 OQ >.
A &,. $ 8;KLQ(S LK< C? @ - 9@ @C @2 AD 3 ,+ 2
& U@?@A2 AD !B CJ B--+@C 2 B- C@ +- D@ @AD C-?
++C U 5-C@ + +- +B@ -A A -A - ,, A D@C OKNP A
-, * 0 ! &' 8;K=M(OO= , (CD @, -A
->AD@D EG 5C@A B !B CJ B--+@C ;KN< 9 . . 7 A
>C *0 8;KLP(LL; #A +B@ A+B +B@ #A@?G +C @D
+B@ C > > , ? A-@> C@ +B +B@ C B CJ B--+@C A +B@
--D ;K<< ') " $ 0 : A LPL ^" @a B D E@@A +C> U
EG B J B--+@C AD U ,,3

E $' %(AD% 0

;KO=) 1 0 & - *0 M<P ">ADC@D - 3 U ,@++@C
B CJ B--+@C JC A. >J ;KKP 6 0 = B "* 0
0 J 42 > ,, D@ - I>@ + -A C-? , - B CJY
B--+@C

"@A @ !, CJ +--+ ++. 1!(10 AD** $0

SK-M B ! &' L;; B@ G +@? - b CJ E--+)
JC + @D 1" +B@ @A@?G O &+ $11"3 ' !
& " 2 3C ! ++ U@D +B@ J>A B +B -?@ !B CJ B--+Y
A.2 AD @C @ B).@ - >,. C +G ;KN $ 0
)O(S, 2 +@C -?@ , ++,@) CJ B--+ A. -A E-+B D@ 2
3C &@ U A E@ ?@ .C @ ;KML A $' , 8%B .-(
8;K<O(OK : A 2 #A >@ D G B@ U@J+ B ?@A E> G B CJY
B--+ A. C- +B@ C @C SKM : 7 . &(SSS 2
; ? +--- -,D ?J .A@C +- + U@ ?> B B C?) - ? A
B CJ B--+ A.2 + +@@A -C@ G CD - ;KQO &) ! ›
0 ?&"› ' ' 0 LSP ; " @ ->+ B CJ B--+ A. A +B@
%C ?@ ;K<< - 0 <$00 LN / @ L L C+ ,,@CG ->,D E@
J>+ ->+ - + -A EG B CJ B--+ A. C ,@?@A

+ ! , J , - 1 0 ^ 1 i
8 A +B@ @A @ - B--+ A.(8!- , $ % ,) 0+H
5 C A. +B B-+ 8 -JJ- @D +- E, AU C+C D.@(

;QLP & &2› & 0 8;K=L(L;Q % J+ A 0> B@,2 >A
JC-)@D2 AD +B->+ C@ D A. +B@ JC- , ? + -A2 B-+
B CJ B-+2 +B->+ +B@ ,@ + C@2 +- D J@, 3 -C -AY
+@?J+ E,@ ?-E ;KLQ . . 0 0 : ? S2 B@ -C B
&C- @ -A ?@+ +B B CJ B-+

!, SJW), +@D 8* J -C+)(2 - ^ 1 $0
i! " : / a

" A. >+@ -C I> U .B+

4PQ4 < .) 7 $! ' &' C (J /@D L B->.B B@ @C@
+B@AC @ E CJ .B+@D C.> ;M=K 9 !
& %) 4 D + ;PM !B CJ .B+@D +B@ .,@ @G@ ;Q<4
;KOL 4Q .) 0 0 8;KP<(%7\ " @ - +@A +C@?E,@
,@ + -?@ >+>C@ @SJ,-C@C - ? A> C J+ ? .B+ E@ ->AD

4<N! $ 9 . . " % S ON< B@ 7@, B? A EG
A- ?@) B CJ .E+@D B@A E ++,@ C@ @A*-G A. +B@?Y
@, @ A A@ .BE->C' @,D

/ % 0 " A. >+@A@ - ?@A+ , DA

O/[J < .) 7 $! ' &') 0 S =< O@ > @ @ E@ A-+
B CJ@ .B+@D GA->.B +- J @ ->+ +B@ +B A.@ +B +% -D J@C
@ >@+B ;Q=P & › ' 0 $ - 0 8;K=;(M 5-C A+
- +B UA- ,@D.@2 B@ , E,@ +- E@ ? J- + >J-A EG +B@
B CJ .B+@D 7 -C,D SK+) . . 1 . '&0 (@+ S
8;KQK KO ^!B@a E CJ .B+@D AD ,@ C ++@D

"@A @ ! S CJ .E+@DA@

4M=Q 11 & - - 0 $ 0 SS OK PPL .,@ + ! A+
C@ ,,@D2 2 -C +B@ C B CJ C .)+@DA@ @ SK)
, 0 ,.(SS !B@ B D A@ @C @,+ - + @D +B B@C
- A E CJ ! .B+@DAM B@ D D +B +D G

!B C- ++@D 8: CJ +3(2 $0 ^ 1 $(
i 5 i / O a ! . -> 2 A+@,, .@A+

S 2KM ! J 1 ,$ $ S 8;<;O(K # -CD 8 D@
3> D- > (B- B CJ ++@D G-> C@ +- B>C+ G->C @, @
M b +2 !B CJ ++@D ,) ($ $50 $>/%
+C 0($ 0+ 8;OOM(0OQ & E@ C +B@ B C)
++@D A@@C - +B@ @ ?@A =KPP = B. 0 ' (
$S P2K + E@G-AD +B@ J- @C - +B@ 9 A. +-
JC@ @A+) B C- ++@D ->C+ @C C-? B J@C A. +- @ B
-+B@C ;KP= : " (8 0 .0 !@C 8;KQO(=P B@
B CJ ++@D JC- A , - C@@ @ -C 3 A-C2

"@A @ !, CJ ,++@D @

SD=Q ' L ' Q! !B) ++@DA@ @2 -)% " (, *3
' - . " 0 !) O T 3 $ - ' %) 8;KQN(;<=
B@ B CJ ++@DA@ - +B@ UA @

!B CC .2 .2 - .2 D ,2 -C? - " 7
!'E C+ 8 f -D' B@ C+ (@@ ' 10 LL
!B C+ -C+2 C A+ - 7 6) 1 0
!B " 6 +F -E -C? -
!B 2 B B2 -E 1 [AD 10
!B S--A2 >AD2 B --A2 -E !
!B K8@2 -E -C? - 1

!B +@C 8 ? + C(2 !B +C) +C (
5-C? Q B +C ?2 >?2 Q < B +@C2 K B B
+ B2 K < B + B2 < +C 2 B +C 2 B +?

^ 2 " AD % (!UC 4 % $ 8A-? A. 4 $ - + H
AG-A@ - +B@ C@D C + A. - +B@ " AD>
S) -) ?$' $' =N B 0--U@ EG +B@? ,,@D +B@
!B +@C ;M<K C !0 $' 0 4 4 OQP B@ $ $ -
E@ A. +- +B@? B + +B@ 0 E,@ +- %BC + J ;QML 1"
' & $' 8;QQN(= - ??@A+ +B@C + ? ^ @2 -A +B@ @D ,
,,@D +B@ !B B + B SK)^3 = .)V 0% 0 $ $
8;K=L(UA- +B + +B@ 0 @ ->C !B +@C2 AD
>JJ,@ + +- E@ . --D -C) (+B@ C - A !B +@C C@
-C - (;KQO 7 ') 1 (S B@ OC B? A
2 J- @ @ +B@ B-,G A-A] @D 2 !B),C 2 AD &>C)A
OKKQ 7 :2 9 . & ') - ;OQ B@ J- + -A - +B@
OC B? A + >.B+ EG +B@) ++

[illegible]

OB ++>-U2' -E ' -C?' - ')) !

!B >2' -E ' -C?' - ' 8! %8

!B > B,@' 8:eS'N' b' ,0' , -' K B--,@2

< B- B,@2' B B,@2' 8 E 9,@(2' B CA.B,@' !@@

[illegible]

!B > B,@D' 8:.'S'7((,0' 'JC@ ' i'") a'

[illegible]

"@A @' !, A , 6 M 2' >A +@ D A@

[illegible]

!B >.B ' @@' I ! 8! B7 !

!B >.B2' B , ' @@'

!, + ,8:e,(' $!0' 5-C? 'M B ,DN2' B- ,@2

[illegible]

!B >,8D2' !B >, A.' @@' .! 7'

!B >,?%@2' -E ' -C?' - ' 8 ='

B >,+2' -E ' C A+' - ' . !' >C

!B >,+2' C A+' - ' $ (8J->G(2'

!, >?@2' ?@,,@' ' @@' 8 !'

B +? @@A2' C A+' - '

!B >A+@@2' -E ' -C?' - ' L '$0' F# B '$0+0'

!B >J2' B J'8:e)J(' ,(^&C-E' -.A' '#

[illegible]

!B >J 2' D>,,' -- 2' AD'. EE, A.' . - U

!B > @2' -E ' -C?' - ' 8' 2'

[illegible]

BC-A ,@' ' +B@' JJ@,, + -A' - ' @C+ A' ? C >D@C ' A' +B@'

[illegible]

"@A @' +'!B DCG' 8 B > DCG2' , @> ,DC@(2'

'J,>AD@C A.2' , ,@ '@S + -A

!U @' %& (2' 5-C? ' ' -@ 2' o E 2'

@ I 2' = P' -B @2' Q' B @2' = ' oB @' 8#

[illegible]

5C@I>@A+,G' +B' D +A.> B A.'@J +B@+' W,& * C (- $ (

[illegible]

!B @',L.)/' 10' ^ ' 1 ' 9/

[illegible]

E 'T' $ 0' !$' 0' B@'C-J-C+ -A'- '+B@'C@ @ J+ '

J D'+-' '+C @,, A.' - ? J AG'EG' ',- ,' ? A .@C'

85 C ? @C' !$' ' ;<N (

[illegible]

E ' ' E(0' ,$' (=$+' A'@S-CE + A+'D ->A+' -A' '

A-+@2' =1+' 'JC@? >?'J D' -C' A'@S+@A -A' - '+B@'

[illegible]

E ' E ' (' !$' (

[illegible]

!B @' 8J (2' (' 5-C? ' '%0' ' @E A2'

@ A2' ' A2' @ A2' 8L' ' * (+2'

@ @ (2' = P' 0 , 8@2' -E @2' =' ,0' B @2' P'

B XA2' B @' ,0' B 2' P M' D @ @2' M

E @2' Q' B @2' = ' B @' C$0' (' M 2' = P'

-B- @2' 8 (B--8@2' 8=' B-- @2' ,0' -B> @(2' P'

!B> @2' B- 8@2' 8 -B @2' B-@ (2' P)M B- @2' 8M'

! ' -B> (') $.%& - '=' B @D8@2' B GD@2

M' B @D' C$0(' **! (' @@ @A2' @* 2' = P'

-B @A2' G 2' B GA2' -B @2' B @2' 8=' -B '

C>A2' P' B -02' P M' B A2' M' ,(-B @A2'

B GA2' Q' ,(B@ A2' K' ,T' ! -B 7 A2' L'

!B #A' , -' L' B @>2' L =' B @2' ='

G B @ 2 $.%& - ' = ' B @D2' 8M' ,0' B +('

[illegible]

7' $ 3 - $ ')%0' 7' = 1 7 7 * 6' W * 6' L 7E D- ' =(<[

L(L-0' -*D' ,D?' O 8 ' +

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

C@+ >,@ ? D@ - B?@C@ E@ + A. B ,
J ++@CA B , C--?2 +B@ C--? -C D@J- + A.
B , + J, @ - @?E,G B , +C J2
J C - ,@ +B@C +C J *- A@D +- +C A @C @ B AD,@2
-C CCG A. B , 2 @+ 2 B , 7 + - +2
+ - + B A. J ++@CA C@ @?E, A. +B + - A
-C @A+ , B , B , --,2 +B@ --, - +B@
B , . - + , - $! 1(

;K;L 5$ - ' ;P 3 C ;Q; ; -A @C + -A 22 B B
A +>C ,,G -A ,>D@ +B T) A BD A @ ;K<Q 4 B) 4
$ $ ' SS 2 !B@ B D B> @D B@C D A @ -A +B@
EC AU - @SJ- >C@ AD E AUC>J+ G ;KSL 5% - ' ;P 3 C
4Q B@C@ , DG2 B- @ B C +@C ? CU@D BG B@C
U ,, A B , D A A. ;KLQ C , . 2 0 S, 2 B@
EC-U@A D- A J@AD+BC + A B B ,DC@ A. .- A ;Q<L
) ,(! 5 L< B , . - + C-? +B@ +
AD @ ;K<L) & - &&% ;NQ B@ ,-A.Y
B C@D B , . - + - E@+ ;KL) ! , ** 2 B@
C@ + - +B@ J C+G >A?> ,@D +B@? @, @ V ,- U AD
) B , B ADU@C B @ ;QKL) - 6&) - 0? ' ! &
' 0 S 8;Q<K(ON B@ 9 BA C + G2 +B + D>C A.
+B@ C >E*@ + -A +- +B@ 3 - . >, D- ? A -A2 +B@ JC- A @ %-AV
+ A@D -C+G +B-> AD B >, ,--? 2 " B)6 .) ,
8) 0 ! 2& . T $2!- $ $! 0 B@ @ C@
? S+>C@ - ,U AD --,2 @) -G@D - +B@J C+ , - , A.
AD +C ? ? A. - DC@ @ $ J (! SS 2
- C @2 + C A.2 B BJ ++@CA + - + ;<NK &B'10
' , " ,!0 4 LQM @ -CD ? G E@ D E->+ +B@ J ++@CA
- % B?@C@ B , B@ ?- + B C +@C + @ +>C@
B + B E@@A > > ,,G ,,@D +B@ T -A@ -C T J+A@ -A@
! - ? @+ ? @ + ?J,G ,,@D+B@ B ,J ++@CA SKOP ' '
$" ' !@C ;; C$ & ' 73 C ' ,0 S O<; A ? + + -A
B , C@+ >,@2 , C.@ ? -D@C +@ $, $) %% AD -AY
+ A A. J- U@+ B ADU@C B @ -C +B@ J C+G2 B>A. >J -A B@C
C? ;KLK ! , > 2 @ , D,@ @C@ + A.
+B@ C CA .@ A +B@ B , C--? ;KQL T B .)
$ V$ " $, . 0)O > U A. +,b@ C , G .> D@
A+- E , +C J2 AD ,- A. B@C E . +B A J ;K=N
$11"3 ' ! & " 2 " @ E D B ,
+ - + - ? AG -,->C ' 7 A % $ 3 CUY
B ? & ' & %?& ! 8;KQM(K B@ A ? , ,,@D +D 2 B B
JC-D> @ +B@ B , --, 5N C &,0 3< & 0 & 0m ==<4;;M
@SJ-C+ - B , --, H*$ - + +- AD ^ C-? E@+a B ,,@A
- ;K=; = 6 h6$ 0 2 L;; B@ B , --, . - +

! B , ^ 8 . 10dW $ ' 0 -

- @C +B B ,2 J>+ B , -A 8 J@C -A(
KS =) 7 8 1 ' 2 " @C -A +@D
C @ > . @A+ ? - + C@ >,,G A B , A. +B@ G->A. B@ C@
SK - 6) $ ' S, 2 " " . BA@ ! B ,'D +-
+B@ A- @ ;K=N) %2 B 0 ! @F 2 7 @ C@+ C@D
+- ,- U AD B , ->C @, @ OL=K S2 C$ ' 0 $
SS 2 @-C.@ B D ?@ A B ,@ @CG C@ >,,G B ,@D B
@ SKK- = 9 . 6) &) 1! & - $) 0 :
SK @,GA E@B@,D , . B+ @? A A@ -C?2 B ,@D AD
C JJ@D +- +B@ B A2 ?!$, . 2 T $ 0 5@E LO< X !B@
B ,@D B@C B@ D AD E EG A B@C @ E,>@ ,- C

! B ,2 -E ! -C? - . $T

! B ,D @2 B ,@2 C B . $!0

6(W4-< 8:J,D(2 **!($(^ 8 . 10 8-C X (
i / a 7 @ C A. -C - @C@D +B B ,2
;KL= ' = B $ ON B@A2 B ,@ : A@
@++,@D B@C @, 2 JC-A@D2 B ,@D2 AD ? ++@A@D2 + B@C D@ U
;K=Q B $ ' , 2 2 B@ C C? AD B ,@D B@ D
. , +@A@D A +B@ , @C E, X@ - +B@ ?--A KQ\ 7 " +
= . 3 . . V$ % ! & OQ 7 +B B ,@D C-E@ -) C,@+
AD -C A.@ C@ B A. +- B@C A U@D AU,-) ;<<O "
1 A % # E-CA@ $ &!! ' 8;<NP(LQ B@
B ,@D AD E +,@ + AD . C,

6(W4 K %> 6((<

1(i ; a

: B@ + -A - - @C A. D 2 J>++ A. -A2 -C
@ C A. B ,
SK <) " SS S2 B->,D ,--U -A B - ?J, Y
?@A+ 2 B E- A. 2 B ,- U A. 2 E B , A. 2 AD E
B AD A. 2 +B - ? @ , ++,@ > J -A VK! 3 = 6)
A ' +C A.@ % 8;KQN(4= " ,- U A. JD B ,
A. C@ -C @ +B A AG -,D 4KO= C !!$ B@
B , A. 2 +B@ ,- U A.) +B@ ,-. . A. + +B@ >+ -A
. A + -,D2 -C B@ +2 -C C ?2 -C >A M(. : &) '
!&, . OLQ -C D>C ? . +B@ D A A. 2 +B@ >JJ@C2 +B@ B ,Y
A. 2 +B@ D@J C+>C@2 AD +B@ DC @ B- ?@ +- B B ?E@C

/ B@ ? +@C , - B ,

, SK-M = 8) A % 550 8;K=Q(L=M U>,, J
- C B B , A. 2 -C @?EC- D@C@D ,U

6(W44-== 8*. , ,@ (2 $0 ^ 9 . 0 a ". V

7 +B->+ -C A-+ @ C A. B ,

;K=Q .) ' S 8;KPN(QL
% +BG + AD A. E-AA@+,@ AD B ,,@ 2 S) + 3
= B . $ &% , K 7 B + D@ @A+ A. , B + D @C A+
->,D B-- @ +- >A+@C E-AA@+,@ 2 B 6@ @+ a 4<NM
' (0 JC =M< 3 C I C- A @ + B ,,@

! B ? 10 5-C? = B ,,@? -,-*
M B ?>,,@2 B ?E,@ 8(*E =)P -B ,?@ 2
K8-(B ?G 2 B ,@?@G@ 2 B ,@,AG@ Q *E
P B ,?> @2 B ,@?> @2 -B ,?@> 2 M B ,
?@ @ ' 0 P 8B(,?> @2 -B BA@ @
* (P 8 (B ,?> N 2 -B ,?-G @ 2 . P Q
B ?@2 M B >,? 8@2 M Q B ,?@2 M) B ,?
* (M B ,? X2 B ,,?@ %(* (M B ?E@ 2
8 (B ?@ 2 B ??@ 40 9 B > B@2 * 0 @B
?G 2 M Q B ?@2 8Q * (B A8@((2Q B B
^ B@ 3 , $!E - !E 8 B@A @ +B@ - +B@C -C? (
#5 , $! - ! 8? -D 5 , $!) - $) + >, . C
> ,$!$ - ! " D ? - 2 ,$!$ -) C@@D B@
-C? 8 +B B B 3 " , $!' " 3 / + 2
, $! - " " , $! - % 3 # , $ - " ? -D
AD / > , $! - + C@ #5 , $! - (A >A@SY
J, A@D D@C + @ - Q ; ,$!$ -) 0 B@ Q -C? C@
#5 , $! - ,$) [% J - , $! - !B +B@ -C?

- +B@ , + G,, E,@ E@ A. JC-E A ,>@A @D EG -Y
+ -A +B = 8 E . J J@ +B@ J A
A. @ C,G ? + U@A -C A. 2 ? D A@ J,AC)
, $! -) -C?@D B@ C@D> + -A - +B@ -CD
+- ? -A- G,, E,@ 7 JC-E2 D>@ +- ? JJC) @A -A
- J -C? , U@ , $! - " 0 ! @@ , - . . V
: ?@D @ , ?> , A +C>?@A+ - +B@ -E-@
, 2 B A. D->E,@ C@@D @A ,- @D A . ,-E>, C
? ->+BJ @ @

%- @CD ,@2 -,,- @D EG +B@ &C G@C E--U & ,+@C2 >W@
$2 - A & S Q B@C@ +B@ -C . A + AD +B@ A @A+
@C -A B @ T +C>?J@+ " -C T B-+A
4L<N < 8 & ' %0 " LPK 7 +B %-CA@?> @ AD
! B ,,@?@,@ - B@,@a ;PO= (C$* ' 0 C !!!" "
ON< AD >C+B +B +B@ +C-?J@++@ AD B ?>,,@ D D ->AD@
AD E,@ @ >J?-- +@J,@ >A+@,G2 ;PQ ?& ` 5>V H (- &
=M # A@ - +B@? A. @+B +B - @2 A-+B@C +B B ?E,@
0 4 P<E2 A - @2 ,+@C + E *
K , ;LPN 1 $) , 0 89 ,>X (;KM= C-?J@ 2 B-?@ 2
, ,?@ 0 0 B ,?G 2 B ,?@ 2 B BA> @ _ O@ -C@ B@
B *@ D@ " @ B@CD2 , ;L) B ($- ;O;K B +
? D@A ,- D@ ?@A +C , @ A -CA@?> @ AD B ,?G@
(0 E ,@?G@ 2 B ,@?@G a AD ? AG -+B@C ? A@C J J@
G , ;=LN C ! 0 " % $ ' . & HH0 8;KM<(; ;Q $@@D@ AD
,-G+@ AD B ,?> @ $ % 0 -KM 7 +B +C-?J@
AD +B A U@C@2 AD +B@ ,?> ,@C@ , O C & - *(C$ 0
==L O ! B `?> @2JGJ@2) ?)) X 4=KN L
S, S 2 B@+@CA 2 ,>+@ 2 B ,@?> @2 C@ -CD->C =K;] " Q
' $ 8 CE (; ;O B@G E,@ @>J +C-?J@++ AD JGJ@D G+B
B ,G?-G @ $;=KL 1 A & 0 0 8;Q<N(
=K 7 B@C@- >?@> @ +??J@++@ 2 >A+@ B ,?> @ AD ? ,,
J J@ ;PNL C " C) $*(! O0 & . ;KLN(<; +@-+
+- +B@ 9 A.@ AGA +C@,,@ +B +B@ B)BA@ @ S, ;PLN
. 7 OMM ; ! B ,?@ @ * " * , $! - $)0
O&/+ ' . .) >%A B@ D>, @+2 +B@ D>, -CD 2
+B@ ,?@ - G ;P L) 8 0 1) (
;MK< C>?J@++@ E,@ @ J E ,?@ AD , CG-A S.)
. $ (! . SSS, 8;P=;(P; B@ @A+C G,@ E@
@S@C @D EG 7 - GA.2 @G+B@C EG -A +C A+)G AC J, GA.@-A
E >,?@ -C UE-++@ $/&J X) . . $ - (*&* 0 OOL E2
O,- GA. -A E . J J@22 -C B ,?@2 -C -A -?@ -+B@C
-A@D J J@2 , %& C& - 8! ! (=P C>?
J@++ AD B ,? T B- + &, G D -C +B@ C AU E@. A
$/%J" J - L = 0 2 O=O A-G @ - +C>?J@+ AD
E ,?@ O/%/ 1 $) B)! (B@ +B + J, @+B
-A +B@ ,>+@-C B >,?@ JGJ@C 4PQP " 3 (8;KQ4(
Q B & .@ >A+ X ,-XD J +B D@,@ + E,@ B C?EAG -
" >+E- X2 !B ,? X2 %-CA@+ 2 AD > B --+B@C ,-->D ?>X U
$ 4!QK) 8& + -++ @(& ' 0 ,& 0 8! ! (: LQ< B@
D@AA@C I>B B +B C . C@ + ? C+B B ,,?@ DC >. B+
+C>?J +> AD @ C +C>?J + PQK !$ & &) + " 2
P;= B U AD@ ^- C@@D(DGD @C>@ +- ? U@ +EA. >@ -C J J@ 2
B >,?@ 2 -C +C>?J@++@ 4MNQ , &!(,($ (' , (
: + ;== ,, @ D->+ A. -A @A @ ->AD@+B B@ ,G , U@
B ,?@2 ;M=; 6& $!! 2 8!+ . @ D C (2 ,- C B
- !B ,? $>+/ = BL 8;QLL(;;; OLK B@ 3--C
-A,G > @ 9@++,@ /C>? 2 AD U AD - !B >,?! , U@ ->C
7 + -C " >+E-G $ +/ $ ' 0 2 5C-?
+B@ ,- +G E , -AG2 $>A. +C>?J@+2 B ,?2 AD J ,+@CG $ J>
. . (0 A 2 & C , J B AD 2 +B@
@A. @C 2 +B +B@ C BC,, A. DC>? AD B ,? +C ?J EG
@ O/JJ A ,, #? . 0 !@C2 L;Q
C-?JJ@+ 2 B ?E@ 2 AD -+B@C DG @C @ A +C>?@A+@ 4PLQ
0 C$* ' 0 24 O@ -CG) ! -+G B. @A+
!B ? \ DG @C #D@C A +C>?@A+@ $//J) ($ (
2 ' 0 8 CE (;= . C@ + A-G @ - ?E , 2 DC>? , D)
+ ?EC@,,@ 2 B ?@ 2 J J@ 2 ,>+@ 4PP! A ?) ,(' (
8;KQ;(OON : ?@ /C-?-AD AD B ? CC- I>B
J, G + E@ - C ! A + @ ,, -A ! A + @ ,, D G -A +B@
B ??@ , 4MPN ,& ! LON A C , " &! & (
OOK 3 AG B ?@ ^;P 1 0 =PN A . $ - &, (,(
2 E ,?@ a A +B + B- @ 7 +B +B@ C@ BC ,, J J@)
(4P4L B7 . ' S2 S MQ 7 G+B +G?J$A 2+
EC-A 2 C -A+ +- B@GC2 AD E- B ?G - +>CAG+
E> BE->A +C@ $/J/ 3) . S Q 7 +B +C-?Y
J@++@ , - \ B C-@ $/%> & $, C 0
*2 B@ B ?@ ^ 1 4 A-+ + A- @ +B
-JJ@C CG+B@D A A +C>?J@+ G @E>+ ^@+ a O/0+ 1
0 A 0) S 4L 7 +B B >?@ 2 AD +C-?J@+ 2 AD +B
, C -A @@+ XMXS B K\ - . ' 0 ?) ' ' C !
&C-, 2 (7 B + + +@,G 3> U B @ G-> 1-> B @
!B A@ 2 C &0 !B A A- 0 - $,JB J, @
+ +@,G J C+ AD B@ ?> + A@@D B @ !B A $%>/ 3 .
A $!" &"0 $' 8" U !- (O+ B@ C ^ >CU Ba
J J@ ?> B +B@ ?@ +B ->C +C@EE,@ B ?@ * '
B >?@a -C " --E-G SMK #+7 1 ' & $! ;<L B@
%-CA@+2 5,>+@ AD !B ?@ O%0 - U ' 0 C (
LN 7 +B +B@ A- @ - /C>?2 !B ?2 AD 5 @ O> 0 B
( ) 0 4 OQN '& 0 !B ? A -,D A. , B
, C A@+ - , - J + B O J+ " ' $ ' 2
B@A ? . B+G J@-J,@ C@*- @ 7 +B A J 2 AD +B
G?E , 2 AD B CJ N; . -,D SKb $ 5 B
A 6 - !0 < & (&,(4 4 4 O=N # +B@ @^?> , A +C>?@A+ a
+B@ ?- + A- G U AD # B ?2 +C . B+ +>E@ - --D
E->AD +B J ,? EC@ AD -J@A A. , U@ , C -A@+ SWMP
8 B C& - = ?$!!0(0 & & " =NL 5 C ,-+B@D
?@A +B + J, G -A B ? AD ,>+@

E
O%J> (9 7 !1 ' & = ? !!$ '$" ' (C& " L2
UA@ +B@ $-! A @ +>C@2A-+ B A ?@2 1@+ + @A.C @A
-A +B@ !B >,?@ - 5 ?@

%2 $' %0 A -C. A +-J C@ @?E, A. +B@ B ?

A I> , +G - ->AD

$ /A) . $ ' K= B@ -C. A A !+ , X E@+B' 2 OC@ Y
, >2 -A+ A B ,?

+ / J, G@C -A +B@ B ? 1 ($ 0

4=K4 <N &2$ &) 0? . 0 8$-SE (ONQ B@ ?@ D G2
?G -CD . +- ?G -CD ,-! @+GC@ B ,?@ * *D
;POO 0 V ' &0 A < ' !0 $ (8;KL=(% 2 ; =K 7 B@A
+ B ,, J,@ @ B ? +- B @ AG ! B ?@ 2 3 A +C@,, 2 -C AG
> B -+B@C2 +- -?@ +- E JC@ @A @

K &-1($2 - 31!&2 " ^*!$" 3*!$" '

8 D* (

$ A% ' * & !! 8VKLK(OMN ! C J@C -
C@E@ U 2 E ? E,- @C)) AD . E-AD J J@C O/&+
. 7 ! ,&!$) ;; A 3 *E2 AG +C-?J@++->C -C
) B >,?@ J, G@C ;KML 8 B . $!$;Q;

B@ @ B ? J, G@C B + ,U E@ -C@ +C A.@ -?@A AD
? U@ -A. ;K<= / >= B 1 !1" 8;K<P(MN ,-CD,G2
.-D, U@2) B ? J, G A.2 G?E , E A. A. B@C-

Q . 8 XQ F#dC*D! $ 0 A P B ,@?-G @
^ 8 I I V ' 0 - J, G -A +B@ B ?
$& + L (S 2 B@C@ ++@ & A B-,DGA.@
,-G+@ - C- @C2 A B B@ B@ B ,@?-G @D \ JGJ@D
+C A.@ A-+@ ;K== ?!$. 2 0 $ 0 <M ,, ->C + ,@A+@D
J@ -C?@C B D +>A@D +B@ C A +C>?@A+ 2 C J@D2 ,>+@D2
+ A.@D2 * A.,@D2 AD B ?@D +- +BDC B@ C+ -A+@AJ

! B ? 8:<d (* 2 ($!0 , - B >?2
^% ! 6 " 0] ' (8!@@ I>-+ ;KPP ;KQQ (
, - $' 0

4KO= : ' 7 A : $ A@ - 0 8;KP) =< 9@@J -A
->C B + AD B ? ->C B A 2 AD E@, U@ -+B@C J, AD@C
B JJG + B-?@ KPP 1" <!& 0(- $2 - (+- C?
+B@ UA@@ AD +-@ EG ++ A. +B +B@? ,- @ +- +B@ C@
&! ' <!& (($2 - (+- + A C-A+ - +B@ C@2
+B >JC @D J@++ - + 2 +- ? J C+ C? +B +- +B@ ,@.

! B ? - 1 ($ 0 A M B ? C2
B ,?@ @C2 B ?>6@+ ^ ' 8
A@ B- J, G -A +B@ B CE

: , , 0 $ 0 $ 0 ,& 0 ;PO +@?2 +- A@
B ? C A C2 S * 4P;; 0 ! C$ 0 ' 0 !! (
;; 4=P; ^ + C@@A B(+- & @C B-> -> @a2 ? A +C@,
B ,?@ @C2 = ;POQ 9 ;)! $ $ ME2 3GA +C@ ,@
D @6@B@C@ AD +B@C@ B CJ@C 2 A+@C 2 GD,@C 2 B ?>, @C!

! B A@@ ^ B@ A ?@ - +C E@ -

,. -AI> A AD A % 8 V 6 @D ,E 0

A !B A@@ CB 7 2 +B@ , C.@C +B@ C-D2 1) ') -
')) - : !B A@@ --D,2 +B@ @ +@CA + ,J -C
+ E +C@@2 $ $!*$ * & $0

A ') " 0 ' **!0 4<SS A 9
, , @+ 1 0 ^ 8 N (D a
- , A. A@+ C A @ A T B " -C -JJ @
4M=K ' L ! !& 2 0 !B A@+ -C 7 -#D - U
! +2 C A+ - I 1

! B G 3 (* $($ 0 ^ ' 9 10! i G a
E->AD A. A B 2 --DG

;K=K $ $ 0 4 4 4 ;KM BC->. B C- UG ,@>. E
AD B . ,@A 1 0 ;KQ m @@U -?@ B G E>CA
1 . L;Q B@G 7 AD@C2 >J +A" B G EC @
! , G 8:)(H E U -C> + -A C-?
8: X(? + U@A -C J,>C ,2 Q * V G
4Q4Q ! 8 . . $&" ON !@J+ 2 B@ - @CA-+ C @A+
+BC->. B %B C,@ +- A % CCG A. 3 D ? & >, / >D,@G A
B B G) QLP A % -+@G MMM O->. B+ B G OQ ,-
KNM Q : Z 9 !5#$/) ' 0 % 550 8@D L);; OLQ
#C B- 3 @,+@C AD +--J # @C, A@A AD - J2 7 B ,@ @ B
+ S C+ AD B G - +B@ 5 C *-,+ G ;K=; :
' 8 . C$ E . Q; ! - ?@ A B G 2 AD -+B@C -A
B-C @E U ;KMQ # 7 ' . <) $ $ ' ' ! S
8;K<;(4QN + A '+ @ @CGE-DG +E$+ A C D@ +- B@ @A A
% JC A. B G2 W ?G J--C B> E AD > @D +- G 4KQL B-2
A ,) DG O O , ->C 0 ;<NM(2 O<K B@ O -
>,, - -A@ B-C @ B G 2

E $ 10" $" 1&"(,$ 0

4K=N :2 2 ' 8 . C 0 C ' S 2 " @ . @ +B@
- B? A -) B GE-G + @ ?> B > > ,) ;KOL
% 3 9 C& ' & % " ^!B@a J>+ B ? A
, . B+ B G C+2 ;KLP . 0 &O(< ' 2 , $ (
% E 2 B UA@G - B@ 2 T B G " C+
! B G 2 C A+ -

! B G EC A@D $($!0 5--, B2 ,,G
SK-M . 6 .) ! !0(1 ' SP 7 B ,@ + U@ +B
B G EA>A@D ->C @ BD , U@ --, C>A +- AD C-
KB G,2 ! B GC @@ Q. '

i ! B G+B ,0 J @+ $. H $@ -A2 B +
C@ -A E,@ , -2 8 J@C -A' (C . B+
;P=O :) QC)C) I))8 @ !J ,D %, >E ;<NL(QO B. A)
!+-A@ C A. + A +B@ G A. +- @ -,,) 3 -C@ -A@ +B + B G+B
C + +- . DD@C A@ D> A@ - I>G A AD . C ,@ B B ?
I>B ,, +E C A@ A B - E ? +- . DD@C ;P=M 1 0 KK
B-? O@GA -C +B@ C A.> , G A. - A@ X->A. GC+
->+ - B B G+B J@C+)G A. +- : -BA@ %C-U ++ , J G +-
+B@ D : -BA@ -6C ,, A.

! BM +& * 0 * &E" \ % 0 % - 0 ' & - 0
5-C? # KNK 2 L @2 L Q B@2 = B @2 = P
-2 = M B@2 = CQ2 8W(B -@2 < $!0 XB@8@2 B@@ 2
B@B2 B@G2 B 2 @+ 2 L B @ L PL<2 (%B @C G
,(AD '& (L -2 L P -2 L Q2 < $!(-B -2
=2 M -B -@2 = P B- 2 = Q2 < $!(B-2 P B-G2
M -B@ 2 B 2 P2 < $!(B--) M Q2<) ` B-@2
< (@B->2 B>2 >2 @+ Q = P -,S@-2= M B@-
K %-?E A@D +B -,,- A. @CE2 = B-C@
B@ @C@ P B , . B+@ f B@ , . B+ M B @2 Q
B B 2 K B' f B@ B M -B- 2 Q B@@
B@ Q KB D f B@ B D Q B@@,@2 B@,@]
B@ ,, !@@ , - 2! "! ^# D >,+ @+G?-
,- . G ES + :VC-B A ,+@C@D -C? - +B@ # @?2
D@? JC-A !&(&(! @@ - 0 * & ' 0 E
+ ->,D JJ) C +B + A -?@ D ,@ + - , +@ # +B@
? D JB+B-A. A +B -CD >AD@C @A+ B A.@ - +C@ 2 +B@
-,D-C JC-A>A + -A 8)(AD 8 ,)(E@ A. C@J, @D EG 8 GD(
AD 8 G)(B@ , ++@C - +B@ @ C A+ C@JC@ @A+@D EG
+B@ J@,, A. - +B@ ;L+B AD +B@ JB-A@+ D@ @,-JY
?@A+ - C @S +,G J C ,,@, +- +B + J +B@ N I @? J@C
JC-A 4&(&(X 8 @@ ' D! B B A +B@ ;L+B JC-
A#) @D A -?@ D ,@ + BG) 2 BG (2) B- A EG +B@
C ++@A -C? . &(. 0 +B@ -?E A + -A 8 G(-> + Y
,,G ,- @ +- 8:(2 AD ? -C@ D >,+ 8 -CD A. +- A., B
B E + - C+ >, + -A(+- JC#D>) + A-+ >CJC A. +B +
8 G,2 G) E@ ?@=*(*-(2 +B@ @ E@ A. +B@ JC-A>A + -A @SY
JC@ @D EG +B@ C ++@A -C? , 8? D, AD2 , [;PN(AD ,&(
, & 8A-CD @?2 $;LNN(
+ B E@@A -E*@ +@D +- +B @ +B + A # -C+E>?EC A
+B@ @? A. 2 - +B@ D@? -A +C + @ A-+ &(&(E>+ &(
\ ) 0 A + A @ - &(& C@2 B- @ @C2 ->AD A +B@ +AD
? @ - J@, AD +A@ ., - @ +- +B@ / >CB ? $ +> , AD

" G ? A C > ? AD +B@ @S+ A+ C@ ? A - +B@ D ,@ + C@JC@ @A+ @CG ? ,, J-C+ -A - +B@ -C+B> ? EC A +@CC +-CG

7 +B C@. CD +- +B@ >E + +>+ -A - +B@ D@ ? -A +C + @ JC-Y A->A -C +B@ -C . A , J@C JC-A 2 + ? G E@ C@ ? CU@D +B + +B@ JB-A@+ D@ @,-J ? @A+ - C -> D ,@ + B D A +B@ ;O+B AD ;L+B C@AD@C@D +B@ JC-A->A 8? ,, & 8 @CA (, ? - + -C B-,,G AD + A.> B E,@ A JC-A>A + -A B@C@ +B@C@ -C@ B@C@ +B@ @ D ,@ + @C@ J-U@A +C-A. ? -+ @ -C > A. +B@ >A ? E .>-> @ ? A A@ D@ ? -AY +C + @ A +@ D - +B@ @ ? A A@ J@C -A , JC-A->A 5>C+B@C2 +B@ D +C + A B B -C & C + JJ@ C A +B@ J, @ - & C@ ? CU@D EG +B@ E>AD A @ - ! AD A A @,@ ? @A+ A +B@ D@,@ + AD J, @ A ? @ AD +A #,D -C @ +B@ D@ ? JC-A 8- ,, .@AD@C (- +@A > @D J@C -A , JC-A + + , - A-+@ -C+BG +B + A # ! AD # " # +B@ @CA J@C JC-A A- ? A.2) 8 ? -D 2 / > -CC@ J-AD A. +- # & 8+B@ -E, I>@ @ 2 AD +B@ ? AD A@>+ A +B@ A.2 E@ A. +B@ +@ A 3" O (AD A #5C B@) - >C E@ D@) (

B@ -A*@ +>C@ +B + C@JC@ @A+ +B@ # B +B 8A- ? A. ? AD @CA (>A+@A E,@ +B@ A + , 8 : (>,B @A+,G ->A+@D -C -+B@C @2 AD +B@ - @, D- A-+ .C@@ + B- @ @C J- E,@ +B + +B@ B A.@ C- ? +B@ ,, A. +- +B@ C A. D JB+B-A. A +B@ D@ @,-J ? @A+ E-+B - & AD & ? G E@ D>@ +- ! AD A A A ,>@A @2 A # +B@ @C ? A ' AD) E@ ? @C A. D JB+B-A.)

! - ? @ B-, C B @ ? A+ A@D +B + AD + D ,@ + , C A+ D@ @AD D C@ +,G C- ? +B@ JC-A>A + -A 8BG) 2 BG)) ' 8C@ @CC@D +- E- @(+B@ -A+@A+ -A E@ A. +B + 8BG(? .B+ A +>C ,,G D@ @,-J A+- 8 (B D@ @,-J ? @A+ B - >CC@D A - ? @ -C @. A D ,@ + 2 AD + ,,> +C +@D EG +B@ JC-J@C A ? @ !$ ' AD $* ' 1$" C- ? # 6$! !$ ' AD B$!*$ ' "0 O>+ A- A + A @ - + B E@@A J- A+@D ->+ A A., B - AG J@C -D2 AD >A,@ +B A E@ D-A@2 +B@ JC-J- @D @+G ? -,-.G D-@ A-+ JJ@ C +- B @ , ? +- -A D@C + -A

B@ +GJ@ 8+- B B +B@ ? -D , +@C CG -C ? E@,-A. (A -C . A + 3 D, AD2 B ,@ +B@*! +GJ@ -C . A ,,G A-C+B@CA a

JC-J@C @ ? A A@ JC-A->A - +B@ +B CD J@C -A2 A- ? A + @ @

B@ @ ? ,@ E@ A. A I>@ + -A2 -C , + ? @AY + -A@D2 1 6 @D - J@C -A - +B@ @ ? ,@ @S

;;P= 0 & ' 0 8 >D 3 ! (A ;;=N2 AD +@ >AD@ A @ -, B C@ -,D@ + @ @A \ @ ,@B , W- < ' 0 W 5 := A@ E J B ? A@>@C@ D@, 1 0 ;==Q !)@ E C B ? -@A @S >A@A 1 0 ;M<K 5-C C B@, A-A E C! @ A@ A ? !L@ E +)+@ -E E , ? 1 0 ;<OP ! B@ ^ @@ Pa 1 0 OM;< ! B@ -C! C A ;O<Q $ < . B 8$-,, (QN<) A @ -,D@ ? C @D E@ , ;LNN $!&. ;QO4 A , D@A@ ? CU A ? C- A ! -) C - B@2 E @ A+ -B A 6SN8 B 0 K=L @ U,@ aV@G >,D@ - @ ? @ B@C@ -A@ $;L=N ' 1 . C $! % A+ POL A GA.>,@C -G E @ ., D A CG + , ;) N !!0 C$! ' OL;Q -B, B@ B D @ D@ (V@ B@CD A B>.@ C->+@ - B-C @ , $&A+ P) 7 - 1!" & % < & LQM& +C-A@ @- J @ >A @2 E@ A ? GD @,, @ ? G.B, N=MN &2 ' ! " " 0 S ;PK 2 BGC E-DG .C@+@ AD B@ +B , ,D@ ;P) $! $ 0 8;KPN(;= %B@ A ? U@ >C BG @,, @A- @ ;PM< : 2 7 < !$ < & !" & A !!3 & (> 0< B @+ 8;KQM(;KN E->@ ,, +B A.@ 2 B@@ ., D AD ,, A.@ +- > @C -C %BC +@ U@ 9 . < ' 0 OL ! B@ B ,E@ ,,@D - ? A2 E@ > @ B@@ + U@A ->+ - ? A) ;M<<) ' .) &1 & 0 8% ? D@A(= 7 B@A B@ ? @ +- ? G +@C B-> @ ;KO; V ' !2 0 SS2 1-AD@C E@ B@C2 ? -A2] G-AD@C E@ ' B@C] [B@ ,, E>G B A.@ A XB@ ,-,U@ +> ;K<L 5 1 C& - OL " @C +B@ @ B@A @ ,, B->,D -J @D E@2 / D -D ? U@ C@J, - > B B@ ;O<Q $ < . B 8$-,, (M;P ! - +V + - 8aV@ I>@>@a E DD@ -A@ .C@+ J-@C A B-AD@ $;LNN) & 0 QP " C ,>>@ - B ,D@ ,@,@ , U@ 1 0 ONON< A+ , B C B ? E@C B- + E C@ , ;LNN $!&. ;;O ? GD@A J + - G>A. B + B- A@ ->B@ -A -A -+@2 A@ J@U@ + ? ->BZ) & 0 OQL; O 8 #++ (! B- D2 -Cb -+B A@ ? ,@ A-.B+ AD B-@ H0 & (- -a D D +2 B C ->@C+E-.B+) ;LQP ,0 0 $ ' =C) + M= F>B@A ? @A ,) @ BGC@+- :V@ +@D@2 I>A C B- >,D E@ J>+ +- D@D@2 &@+ C ^@+ a ;=LM &!! & C$! 0 =<K ; 7 B@A ++ U@D - B C EG G@ &C +2 B-- -,D@ .C@@ B@C +- B @ +B@ D 7 ,, ? & >,,@ +- B> E-AD2 AD B- D@2 A G A@ @C EG B C ,,@ %4=PN . > $! O;; O>+ B@A B - ? @ +- *V@ I B@A@2 - @A+ AG -D@ C-B #! C ' - 0 %) A) ,0 8;K<N(OL - + B-G B -A@ D@ @ +G @ ;PLL < B , C$ " 8;KKK(L< AD G + E B GD A J GA@ -C +C- E@, A B C - C+B , -D@C @ ? @A B@ X E-+ B E> C B C -A@ +B ,- AD E,G+BA@ , ;PMN C& - 8! ! (SS ;Q 5-C A- D C ,D B@ C@ 2 -C E@ C ? @ + D D A@ ;MOK A $ 3 5@C.> -A ! 5 0) - 8;K<<(OQ= 3 C. C@+ / -A ,D ->A@ -A @ @D +B + B-@ . @ B@C +B@ CU , ;ML= $ - 0 V . 8 7 -DC- ! - (;O AD B- D A.2 +B@ -CU - $@ -C ? + -A JC- J@C@D2 , [hS8 " % D%) , -) , " (>D@ ? A2 I>-D B-2 -A+@A+ ? : $ A& Y V $ ' <!& 0 & % B@ $ &> .) ' * 8;KPN(QP AD 3 @,,G2 B--' A@, B-- + + B A. -C G@ + U + B@A " 0 ;L SPX9GA.&B@, JJ@ I>@A@ B@- 2 E@- C@ + - ? A ,G GA. G SL+-) - 1 0 O;LL2 \ E A @A+@ E@- J@ E>CD@ EC *+ \ +-U B@ ? J A-A@ , ;=NN 3 ? &)$ ' 0 0 8 EE 3 ! (2 J- @ ? G +@ AD@C +-AD ^B@a >C + -G@ B \++ B@- B DD@ ;==N : . V 0 %$ - ! B@ E-+ - ? A@

K I;LNN $!&. ;OPN 5-C B@ @AD@ B@ @C@ E U@ B + B@C@ G@>@A >AUGAD@, U@ ;LQ= B &" !) 0 ;K< 5C- ? B C B-C B@ , .B+@ $!0 0) B , .A+@a !! b@+ T! KV $%+> 1 ! 8;M;N(L E2 1 @+ A +B@ ? -CA A.2) @@,@ B >@ A-A@ - +B@ ? ,, K%J$: 3 & & ' = ? L2 B@A +- B@C B J B@,@ B @ B@C . C ? @A+ ,, ;MLQ 9 Y 7 D 1 ' & ? !!$ - $ = 5-C B A. J- C@ +- -A I>@C2 E@ A. C@2 ! B ' D J- C@ A-+ +- E@ -A I>@CD2 E@ A. B +@ ;MQL) " 8 . . C " , ? 7 U ;QON LQ - & G B@ B >@ - @C D ? G B-,@ B@ C+2 ! E B -C A- -+B@C ,@ + ? @ +B@ ,@ + J C+ ;) Q S B 7 !$ % + ! >C@ +B@C@ ' D A +G >+ B@C2 AD B ' D J@A @D - ? @ J-C+ -A -A '+ +- ? @ ;QO= ' 8;QM;(;Q ! B- >C@ + J GD +B + .@+ B@C 7 ,,

i E 7 +B D*@ + @ JC@ S@D 1 0 $ 0

;) ;< < ' $1.& ' 8 CE (MM ,, JC->D B@ C@J@A+ P<L) , 0 ;MQ= 7 B B J@@ B,@ -@ - B J--C B@ ++@AD@+B

2 6 @D - A ? , - +B@ @ ? ,@ @S , - 8@ J A C> + > @(- @C+ A A ? , 8@ . +B@ +2 +B@ B C@(+B@ A ? @ - B B B @ I> .C ? ? + , @ ? A A@ .@AD@C @S B@A ? ,@ J@ ,,G C@ @CC@D +-

%;LKM B D 0G 0 =N< AD @>@C@ A --A B@ ^+B@ , -Aa CGD@ , @G AD BC .B+@2 AD +B B C E@@U B C @,>@A - B@ JC .B+@2 B + ^@+ a2 , ;=;N $ & % < $ - 8 3 ! / .EG ;KO(2 A B C@ B ,, D>C@ @,, * ? G,@ -C ? -C@ -C , @2 AD B@ E@ A -,D@ B C@ ? ,@ ;=KM ? .0 0 !1$ ' $0&. ' ! B@ J>++ +B->@C B@A B@ >- D +B B C ? @@+@ - +@ - B C .--C.@ A +- B C E- ,, ;PQM B 3 ' , S ;MO # +B@ >E+ ,+ @ - A " C@2 B@A B@ C>AA@ AD B>A+@D ;MLL 9 . ' ! a ;=Q B@ 3 @,+@C B- @C - @C B@C ,, +B + + ? @ +B + B@ ^+B@ @ ? ,@ J U@a + A. B@C ! J A ;MML : (A 5 (0 C 0 !0 ' 8;<;O(OL= @AA A+ AD ,, B- D C@ A-+ G +B@ %C- E, U@ +B@G G B@@ B +@ SKM-) !& (2 ! B@ ^ ,@-J CDa B A@D +- +B@ B>A+ ? A ;K<; ^ / #) V m ! -A - 3 C B@ ' (') > " !! 8;K<O(== " @ ^+B@ J CC- B Ua2 -C T B@ 2 +B@G G2 ,, ,G + AG+B A.

@ < 4- 1 =E=- 7? ?70 Y , (4=7 ?70 + (< = D7 1 1 7 4 *-0(0+ 0-L0-=- *(* 7 = 7? K6[4(< K4 =6 ? ((% 0 * - 0 ; 3 (3 D

, ;=LN ' WL .) & 2 !$ Q<Q E CD - + - C, AD ! D $ U@ B C C>. - +B@ C- +2 -C B- , CG >@ +B@ '2 , ;QNQ A ,& 0 ')$ "HHNd+ ` + 4 ;NP ! B@ , %-A A " @C A A@ ! J@ U +- +@ ! ,+2 A +@ S @2 B ,U B@ C @@ ,, +-> B " @C A A@ @,, 3 U,@ $ $ &1 & " SS S2 ! B@ ',, J@ U B@C ? AD AD @ C A @E-DG] ! B@ D-@ A ,>@ % ? , ? C % - A2 AD G@ ? G +@,, 3 % ,,> ? 3 -C@ +B + ,, A @C B D @ ;K;<] 0 & ' & 2 7 B + +B@ D@,,2 ? A2 A B@ A- DC AU +@C B@C A ? +@C +B->+ B A. +B@ >J 1 0 " T AD B@C@ B@ - ? @ 2 D / -A ,D2 % J+ A / ,.@++G @A+@C@D +B@ B ,,

O 6 @D 8 A +@ D - >+ - +B A. +- B B @ ? ,@ @S -A @A+ -A ,,G ++C E>+@D2 # B J -C E- + , - 8A- B @ ,G A -,,- I> , AD D ,@ + A @(2 - +@A D - CC .@2 AA-A -C .>A2 +--, -C >+@A , - AG U AD - - -+B@C +B A.

,, I>-+ , ;LKN AD %;=QP +B@ .C ? ? + , .@AD@C - +B@ 5C -CD C@AD@C@D ? G A @ A ,>@A @D +B@ +C A , +-C > ! B ? , A MOM AD +B C @E J +E ,G B+G+ -A@ AD B-2 +B + @ ? D ,G B+2 $ GUG+ ,D AD +BC- +B@ @ QSLKN) - 1 0 OSKO2 \ E-* J@ D-C@ @C@ +C-A. \ B>.@2 E E@ +C-U B@ ,@) , ;=QP C$ ' $" ==<P B ? EC@ >,, C C-.B+ P @,,2 ! B@ ? G.B+ A A- @2 ? -C@ C@C E@ ;=KL %C J C$ * = $ - ' + ;=O # -A B>C D G ? -C+B J @A.@C C- ? / - @C +- % ,,@ CD AD B@ @E GD +B 5C@A B@ ? @A ;=<M ,,0 0 $ 0 ,& 0 O<< +@ ? 2 +- +B@ ? @A +B + EC- B+ +B@ ,- C+ >C+B - +B@ +@C2 I>B) B- +>D@ A +B@ + C ,, AG B+ ;LM; ' .. B & ' 0 *& . 0 ;= E2 $- +@ C J@ >J-A +B@ GC@ + ,, B@ E@ ,, E, U2 AD @ +@ B@C C ? ;P<= 0C " &) ' , ! ,& 0 ;<L " @ A. EC- B+ A +B C B J +- A@ J, @ +B C I>B C +B G +B- B+ B- ? @ + ? + -A @A @A+6@ ,G ;MQ : & - *!0 $ ' &) LM - --, & @ @ - #CDA A @2 B@A B@ .C- A B-+ +B - @C ? > B C@ A. ;Q=K ' & ' > & " 0 8@D O;O ! B@ A@ C--? G B J ;KO; C $ " 2 ,, . @ G-> ? G - , A.J @ @ B@ ,, J>+ B>ADC@D A B-+ +BC->.B / >+ B ? A ' J + @ .B+G J @ ;KMP) 0 0 $ 2 3 C @A> D*> + A. +B@ U@++,@ -A +B@ C@2 C@ ? CU@D +- B ? @, " ! B@,, E ,@ A ->J,@ - ? A>+@ 5 9 0 %$ - T $ 0 LNN B@ @C+ A+G - #C @,' E> ? J A. O 6 -,2 B@ A -A,G B-,D >J C +B@ >+ ;KQQ 0 CV ' 0 < !& (B@ @ ? A A@ JC-Y A->A AD C@ > @D +-C ? AG +B A. 2 A - @A2 T +@@ '2 J A- -C+@2 > 2 AD A>C B E@,, S&&& , . B B 8 SSS 8;K<O(LQ ,@@J A. C E@ A. JC@J C@D B@C@ -C ++) >A@A+ +- +B@ +C A B@A B@ B->,D CC @

E # E +C + -A 2 @+ J@C -A @D @ ? A A@ , - - +B@ ->,2 +G2 +B@ B>C B2 ->A+CG2 A C ? G2 @+

) ;=O; #9 C & !0 C& - 44 ;Q) ! B@ ^+B@ ->,a B ? @D2 A- B@ G ! B@ ,G>@D A - +CG@ - ? AG D G QS) < L & ' ' & % " - & ' ;LM 7 B A +B@ G+@ AD@C +-D@ +B 2 B@ E@. A +- E@ -C@ ? -@ @D ;LKL 9 7 +C , &!$ " > & " 0 S6 ;= E2 ^ " @a +-,D +B@ ? E D->C2 +B + +B@ >CU@ C ? G + 3 ,+ 2 AD +B + B@ B D .@D +B@ > % 0 1 0 S ;Q ! B@@ AY B E +@D \ J@-J,@D +B .C@ + A> ? E@C - 3 @C B A+ MLK # B B C$ ' (' , % O; &B A+ @ -A +B@ -A+C CG D-+B + U@ A B AD , - B + B@@ B +B A-+ @@A@) 4QMN ' ' 0 0 ,0 0 ONL 7 +B ,, +B@ J- ? J-> + +,@ E@ +- @D >J-A 5C A @2 B@ A-+ ? -C@ +B A B , -J- @C >, B@ ? .B+ E@ ;KOQ) 0 $) 0 ;2 +>C@ ? > + A-+ E@ B>CC @D2 AD B@ @A.@ B@C @, - @ @CG ++@ ? J+ +- D- - ;K=P) 3 0 8;KK<(S- SB@ %B>C B AA-+ E@ D +- B @ C@ +@D J ,.C ? .@ 2 -C @ @A +- B @ @A ->C .@D +B@ ?] B@ > @C@D +B@ ? ;KQ; $ $,(8;KQM(OO ! ->+B % C-, A +B + + +@ @A+ ->+ - +B@ -C,D +-D G2 B@ ->,D A-+B @ D-A@ - ? > B -C +B@ -C,D ! - C +@ ;<NN %) - 0 = - * & ' OPO ! + A,@G E D E@@A C D >, A. +B@ B E + - J@C -A G A. +B@ %B>C B - ? A2 AD J@ U A. - + +@AD@C,G 0

* 2 $!" - A ? ? +@C , +B A. +B->+ J@CY -A + -A

QSLKN) - 1 0 OLP< - ? -C @ @ -, @_V EG .GAA@ B@ @.@ \ C- :V + + ? @ B@G EG .>AA@ A@ B , B@- A@>@C@ E@ , + , :V@ +->C *) @A E@ -AA@)

D # A +>C , -E*@ + -A D@C@D @ ? A A@2 +B@ ? --A2 -C +B@ J, A@+ +B + C@ A ? @D +@C .-DD@ @ , - - C @C 8A- $ +(-C ? @C,G - +B@ @ 2 +C@@2 @+

B@ + -@S ? J,@ 8I>-+ ;=KL2 ;PKK) - > @D - +B@ >A ? G J- E,G E@ D>@ +- ? JC A+ >C , - +B@ # .C ? ? + , .@AD@C HA B CD,G E@ >JJ- @D2 E>+ % S+-A ? G B @ E@@A A ,>@A @D EG +B@ + +B + +B@ >A @CA2 A 5,@ ? B K& J L < &! ' 0 ;;O E O B@ -AA@ +B + D G

@AD@D BG@ B@ -A GA+ ,-BA D G + A-A@ $ / I +C ' &O 0 ' $ L=N B@G G,@ , G@ +- CD +B@ @ +2 -,,- A. +B@ >AA@ B@A B@ D@J C+@+B C- ? ->C B@ ? JB@C @ S KK : 7 +C $ ') T $, 0 *2 %-A @CC A.2 B C ^* Q +B@ ? --A ' a C A. AD @++ A. +B G@ CG . AD @++ A. - G@ -A@ + ,E@ @ @ +- UA ,-A.@ B- D- BGA@ ;MS= $, * ' $;M< B@ 3 --A@ AA-+ B A@ @S @J+ B@@ C@ @ >@ , .B+ C- ? +B@ ! >AA@ ;MPQ 7 ? $ 1$ & QQ2 B @ @@A @.C@ +B + - B-C+ C-J@ ,G ? @ +B@ +C@@ AD . +B@C +B@ C> +2 E->+ +B + ? @ B@ KN --+ B .B ;MQL # 9 .) ,0 8;MKQ(QL / @ ? - ,B@A@ +C@A.+B@A@D B - @ EG D@ , ? A. A@ C +B@ @ D@ B@A B@ C- C@D ;KOL A) ' ' 0 SS 2 ! B@ ^ Q +B@ B C @ + ? --Aa B@D B@C G@,,- A ,>@A @ - @C C B AD D@@J J +>C@ ;<NL) & & % &21&" S ;O; B@ DC + --D AD +@D B + ? .B+ E@ @SJ@ +@D B@A B@ ^+B@ C @Ca E@ ? @ JIC+ @ -C A.CG

L 6 @D J,@-A + ,,G A JJ- + -A +B 10 A +B@ A- ? A + @ @ - & ' !" $, (=*& 0+ AD A >A@D> +@D A @

;;==N !$ - 0 A- 6J-A +B@ ? - - @ +B@ ? GDGA C ,,@2 ! B@ @A+@ E@ -C@ B>C D>C A B ,,@2 ? -A.@ B>C EGCDG ECG.B+ ;PQM & - - & ' ' & ' & ' O=L 8OC AD (3 G +@C2 B@ +B@ : >@,, $;MNN ? $ > $) (? ' $!E < ' ; S A C , " &! & 0 OKO B@A O@ G@ B@@ .B@D2 \ +B> B@@ D D G SK-M # !) % = B@ EC D@ B@ ? +B@ EC D , +C A $ OA : 1. 7 ? $ $,.3 && - ? $!!$ O; 3 G @ B@ C @ -A +B@ E CC U2 . +@2 ? G U D A +B@ E CC U G CD ;K<M] ' $ KM B@ A@C B@ ' , DG EG +B@ J A+ >J-A @C @

+ E A JJ- + -A +B E A +B@ -E*@ + @ @ 1 0

B9 < & - - & ' & ' & ' OMP 8OC AD (7 B- A E>+ ? ,@ AD , >.B +- @@ +B@ + +@ - 5-C+>A@2 B@@ ;P<< !" & - 0 A C ! > . 0 8$+,D. (PN; O O>+ B ,, C ? @2 +B@A2 ? A@ @S > @ EG @C A. @A> B@ 1 0 P;; ; 1@+ +B->.B >A+- @C-A B@ ? G A-+ B- ? G ? AD

! 6 @D -C -E*@ + -C .- @CA@D EG JC@Y J- + -A A , +@C CG > @ - $ (

QSLLN) 0 " 0 ? " 0 SSS 8;K;=(LKN2 B >@ A- ? - BG,DC@A E>+ B@ ;LKK 0 0 0 3 =M< B@ D @ D D B A.@ 5 >->C AD +B@A @ 5-,,- A. +B@ .A@ 2 --'D E>+ +B@ .A@ - B@ $JOA . ! $ 4 2 T $ & 2 # * $ " 1@+ ,, : @@J@2 - @2 JC G +- C>@,, ! B@@ $%+& 0 L 1 -> B >@ @A@ % -2 AD B@ +- .@+B@C M -] - *0 A ;N< : A@>@C - ? A O>+ -A@,G ! G C S ? G / ? 2 AD B@ SKKX . 3 & " % ,$ ' $ - ;; S 8;KK<(OK= : A+ A- A.@,2 -A,G) B@

E)! $!" A @ ? JB + -E*@ + @ @

$>JA - $ C 8;QK;(;= B@ + % --U @,, ->+ + +B@ , - +B@ 7 ..-A - @ ,@ + B@ E@B AD ;QMO 66 & ' ' !!$;;; 2 B @ .-+ C D - B@ ;KLM = = B . % 0 $! %$ 55 T B-J@] ->C JC@ @A @ D D A-+ A -A @A @A @] +B@ G->A. , DG ' T O,@ G->C B@ C+2 C A-+B A. @ @C A -A @A @A @ B@

[0) +@ @D@A+ JC-A->A2 -,,- @D EG C@, Y + @2 @+ ' QQ!

1 B@ -C +B + - ? A2 -C J@C -A - +B@ @ ? ,@ @S 4! $ -C 2 & (

5-C ? @C,G - ? @+ ? @ A +@ D - 8-E*@ + @(L E , 4OLN < ' 0 # 5 0 ;<OP " > ? ! @A) + D A@ EC@ ! @C@2 AD 2 AD B@ D + D@ E C2 >UA ,>+@A D@ S) < 8 & ' % =M ! B@ +B + +B@ ! ->C @ AD 7 @,,@ # @, -C - , ;=NN) ! & % 0 ? ' 8&C- @(OM AD - E + . + - *V@ , @2 AD - E + > ? A2 , C@ ,>@ HL E@A B>A + ? -CA@ + ? + A 2 , $& O L ? !$ ' , $ " ' SKM%-- G@A +- -C ? D G+- @@ +B@ A-E,@, AD@- +B +, DG2 B@ - B- ? +B-> C+@ ? -C-> @ -- ? - B@ $ $J&+ . 0 8;PQL(LM) O 5 +B B@@2 B B@ EG JC G@C2 -E+ A@+B +B + +B A.2 +B + +B@, - ? ? >AD@+B , SM-- & ' ' 0 2 5-C B@C@ B@ - C@ B- @ A @ CD - ? E@ / D A@ +B@ + ,, .@ - +BG B> E ADCG SM-M] 0 = 0 OPO &C @ B ? +B + .-+ +B@@2 B@ +B +) >@ +B@@ > U@ $ &> C ' , O== B@C@ A-+B A. >J-A @ C+B 3 -C@ ? @C E,@ +B A B@ +B + B -A AD @@ B ? @CC [KQ4 $ . . $) !!) O B + EC .B+ @ E 2 B@ +B A B- ? % +>,,> !@, A-C ? ,G ? -C@D@ ->+,G B@C B'D

" [D@ ? -A +C + @ JC-A->A

1 $ ' ($ ' (@+ +B AD C +2 +B@ -A@ AD +B@ -+B@C2 E-+B 1 0

, $J>& B & " !) ;; ;Q=Q AD +B->.B G@ -,D@B A +@C ? @) @ D G@ B A D C G@ A->.B+2 AD BG -C B@2 AD B@ ! J U B -CD ;LNN ON B C& - S SK B A ,, +B G G2 E +B B- AD B @ B + ? * J + , + AD C 4L L B 7. ; &C-, L;Q " @ -C B- F>E + U ? @A- B+2 .- I>E C +B B >@ D- ;PMO 1 0 V . 0 ,0 8!J ,D A. %,>E(Q F>B > ? @>@C +B A +B +->A2 E@ -C B@2 *A >C +B@ C AG@A+E->C +B A ? -> -CD

E 5-,,- @D EG JC@J- + -A , JBC @

;KS< $ ' 6 & S, B@ %B>C B . @ B@C >,, -,@ ? A + @ 2 .C @D +B ,, +B@ J,@AD->C B B B@ - $ - ? @ UA- B- +- JJ,G +B > B EC ,, A+ @ @ + SK " . . C& - ($ " A(,& O< AD +B@C@ ,U B@ - 3 @D 2 +B@ B >.B+G % +B@C A@ ` $ ;Z7$ ' $ & ' ( T " ` ' D B@ +B->.B+ >,,G2 T +B@ @A> - +B@ 3 @D] B@- +B@D ? A>+ @ E@ D AD +B@ .,D@D B C '

10 8A-+ B A. A. A +B@ -E*@ + @(

2 @ ? ,@ - ? A -C . C, , DG ,- @2 8 7 +B J (> (% 0+

;LLK . $ 2 =OO 7 B + > ? +G ? @ +B> @C+ B@ 1@ E>+ A- G B ? B@ ;P=Q . B ! (O AG 2 B@ ;PQL ^ @@ ' Q Ea ;L<N < &&!$; 8;MNN(/ L O 2 OC .B+ 2 -C + B@ B + +C D B@C +@J +- CD ? @ $] %$ 0 % MQ< " @C @C+>@ ? G - ? J C@ 7 +B +B@ JC->D@ + m +B + + J-A G->C F>) A QXM-- & ' (SS* AD G@+ EG B@ >@A : +B AU@ ? G ,->@ C C@2 AG E@,, D +B , @ - ? J C@ M S] (0 2 LM -A+ - ,- D ? G ! B@@ +B UA U@ ;M) ! 8) &-@ ? 8;<N=(;MN 7 B- @C@ B@ E@2 , A-+ ? J- E,@ B@ B + B ,, - ? ? AD ? G B@ C+ AD) S - ' &!! " ;; 8;KQP(KN 5-C @ @CG B@

[illegible]

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SK- 7 . A $-EE@CD -(=PN -C+ - G@
B@D.@ + A.,@D +B,>S>C A @ AD B@ C@D A+- JC> @A@
;KML ' 8) ! &- ' 0)1) 1(B@
. CD@A B D E@@A ,@ @,,@D2 C@ >,,G B-CA2 AD -A @C+@D
A+- E- ,A. .C@@A

K - ,@ @ D D@ D@ J - B J 2E CD 2@+

$ $J&+ ' 1 . C $! SS Q @ - @ - ,-CD B@C AD
_(@ , >?@- C@ $/$J B7. ' P " A G
+B A-C+B AD B@C AD +B@ @G ;L<N 1 0 A(
P "@C B ,,- B J G D D , D@2 3 -C@ +2 +B@A
" - B@C@ +B@, I> D U @ SD = . ' ,0 $2 3
5 (KM A.-+ 2 -C +- E@ D@, >@C@D +- +B@ ?-A@G@C +-
B@ C@ +B@ ?@EG @ .B+ A+- ? ,, J@@ @ ;QNM : . 1
$! $ #h 5 ?@+-B .B#,G?J> ,@ 2!E@ C?. +B'@SJ A @
- B@ @A +B + @ J,>?@ $ %& &"0 2 B@
DG' E@ D>J-A+B@ JC- % >.B++B@ EC ,, ,+2 AD B@@C'D
+B@ . ,@ 4KKP <= $)7 X W C ", 3 C SS S2
U@ J,->.B+B + B@ C +B@ B@ G, AD

E ' (-CC@ 8-C (2 ' $' 2 $

8-C 2$ + $ - +B@ C D.@ - B ,,2 -A +B@

B .B@ + .C->AD

S) ($ (0 ,& (O=P O 9@ J AD +B@ B@,D - +B@
AA@CB ,, A JC-J+C+ @2 I>E ,, + >? +- +B@ ?@+ A. - +B@ +>
) ++) D AD -DD@C B@C SM-S 1 (L<P O
) @AD BD >J +E +B@ B ,, -C ?-A+B B@ D +B C- AD
AD @DD@C B@ CC ;KSL <)" 0 SSS #A +B@
+) - +B@ B ,, B@C@ +B@ AD AD +@C B@ C

C " , 8 , - , 0 @+ (- >E*@ +

+- B@ C A. +C@ +- D +-C+ -C C +>C@ EG B@ C

SK @ . ? $ ' ' $ & '2$" ? LKN
!)S ?J @ - +B U AD - + ?A - >C ? +B@ A @+ B B
>A +@ +B@ + - E, D@ - J C - -C 2 -C +B@ C @+ -A
B B +B@ E, D@ C-+ +@ A A-CD A CG J- U@+ UA @ A +B@
-C?@C +B@ @ D@A+ +@AD@A G - +E@ +C A +- B@ C +B@
C @+ A -A@ J, @ -A,G2 AD +B ,,@D A.,@ B@ C
E>+ A +B@ UA @ +B@ C @+ ?> + E@ B@ C@D A + - J, @
E@ -C@ +B@ E, D@ A @ J@ 1 0 P;Q + @ D@A+ +B +
??@D +@ +C A C-? +B@ @ .B+ - +B@ +C> +>C@2 ,- @ +-
+B@ J @C -A B B + >JJ-C+@D2 ,, +@AD +- B@ C - +B@
@AD - +B@ +>E@ A @C+ , ,A@2 S)S - C " ,
$ G) S ;ON 1@+ @ ? G CC @ + -?@ -A ,> -A
+A CB@+,?C+B@ ? +@C , + AG . @A,@ @, +B A +B@ C> +
,, -A +B@ @C .@ E@ B@ C@D >J CD -C D- A CD EG +B@
-? AC@ -A L h)7 A 4 4 LOK B@ @+B@C
? G E@ B@ C@D) EG @,@ +C-?-+ @ -C @ A+- J- + @ AD
A@. + @ @,@ +C +G ;<S; ' ," ,!0 ? (4 NM< O =
!TT + B@ , ?@A+ +@C + ?@EC@ U >J A+- @ + -A B B
E) -?@ >C -> ,G B@ C@D +B C@ J@ + +- @ B -+B@C

! B @ C) @ ! ")

! B@ C2 -E + $0 ` @ @C ,

! . " $ *O 8 B? 3 ! (,B@ +B@ G,D +B-C- @+B@
--D@ @A+ -A @>@CG GD@ B@ C 1 (SM #A GD B@ C

! B@ C2 @CC-A %0 $ (C A+ -

SMKK "E 3 - &) " S 8$-SE (=<M ; 5 C + +@C B
D@J >+>C@ B E-DG @,, B@ C@D AD B@ +@D2 +B@A
C JJ@D A @ D

! 9 @ C@D 8:) :D(2 * * !($(^ N") ; a

B + B >AD@C.-A@ +B@ -J@C + -A - B@ C A.

B-CA +# - A %, JJ@D

4MSM ' " , $! A % $-.@C &,(% ,& 0
8;KKM(O<< " @ A. + AD DG @C +G?@ D@ GC@,+ +B@
,@ - A@ D C@+ B@ > A. C : ?@ ">A+-A ;) P # B)
$ $ S 8;KQ=(LL= #A@ .C@ @D J-,@ +- , ?E2 + -
B@ C@D J) +- + B2 AD , @C J>A B E- , +E@ JC X@
SJ-P # + $ ' . ' C - " $ ' S ;QP "@ JC@ @A+@D
E@ C@D B@@J

6-(0-0 8: - (^ N" , V #A@

B- -C -?@+B A. B B B@ C

C@ J@C - + AD A. C-J

;L;K) D &C (, (&,($ ' 0 !@C 8;<NL("
P; $-.@C> ?@AD@J) @C C ;= & -0 A 7C 7>, U@C
% ' & 00 5 [(S - !O 2 3 ++ S
) A +B@ +G?@ - C J@ -? , G +- +B@ @B@C C ^@+ a
SD=S P5 $ % ' 0? . 0 8!> +@@ (=L O -+B B@ C@C AD E AD@C
B @ A@@D@ +- E@ C?@D +B .,- @ ;QKK C& -
;LK A 2 E A+ +B@ B@ C@C 2 &@..G2 E AD@+ +B@ E>++,@
- .C A 4K= " 2 1 ? . 0 $ - ;NMM ,- @
- B@@J U A ? D@ -A J>CJ- @2 ,,@D B@ C@C .,- @
6 0 $ L=- " 3&# &)) SS M >A.@, C@ E@C@C
.@D>C .-D@ C>+@ + , .-D
C & 10 SMMK $ O $ $,& (M A ,, B@ C@C . +
A@ @C .--D B--U

#A@ B- C@?- @ +B@ ,@@ @ C-? A A ? ,

;LKK 7 $ 4 $-(44 B@ ,@ B - E@@ + 2
B B@ 1 B >@ , GA +- A B@C@C ;P L L= - U
) 10 e PL U@ B@D - +E@ B@C@C 2 -C +->@EGA) @ +B@
B@J@ +B +B@ E@C@ SMSS ' ((==
!B@@ B +B ? D@ ?@ ->C AD + @A+G - @ . G@ -C +B@
B@ C@C ;MLP = . " , $;SQ ;KKL ') " $ (
+ KSQ .--D B@ C@C B@ C @ @A+G -C @ .B+G B@@J ?
D G
% 0 SMW= 3 = ! B J - !? ,, %-CD +-
->C.@ A+ EC +2 7 B@C@>A+- DD@D2 B@ !B@@C@C
B@@C'D AD %) B@@*C'D2 +E@ !B @C E 'D2 AD +B@ C AD@C
.C->AD ;KLQ . . (0 > 2 O@ A. !B@JB@CD
- +B AD)A+ &@-J,@2 A-+ !B@ C@C ?@C@,G2

#A@ B- C@?- @ +B@ A J - ,-+B EG +B@

JC- @ - B@ C A. (

;=QL ,,(($ 0 ,& 0 : ;Q -! ADG O , ->C@
+B@ B@C C@2 -C @C+ A@ , +B B-CA@ E@ B ? ;MQ<#)
$' (' ') ;h 7--, J?E@C 2 !B@@C@C 2 / C@ @ ^@+ a

! T Q (

SMS- = $ 0 SS OMN B@ JJ@C +@@+B2
B B C@ +B@ B@ C@C A +E@ JJ@C B JJ@ ;) L 1
' $ (& 8;MKM(OS; B@ !B@ C@C -C 5-C@ +@@+B
* C

KKS ' (') ! . 8;KKP(<L 7 C->.B+ C-A 3 A>Y
+>C@ !B@ C@C -C !B@ C? A
M2 ? B A@ D@ .A@D +- >+ ?@+ ,2 @+
;K<N 9 #T <) &) ' " MN / C ,, A. ? B A@ 2J>A B
@C) I>@@X@C 2 B@ C@C 2 ,, - ? .B+G X@

! B @ C !) ! ! 8:, .C (5-C? P B@CV2

M B@@C@ 2 B@C 2 Q B@ C@ ! , C8@ 2 < B-C@ 2

^ D/ A ?@ J-J>, C,G JJ, @D +-

@ @C , U AD - B CJ @D.@D .C -C @D.@2 B B
C@ J+ +- >+ +B@ ?->+B - .C X A. A ? , -C +B@
B AD - J@C -A . +B@C A. +B@? - -A,G $!T
;=KL $ 0 ' !0 LLP ; ! B@C.CG @ 4 0 ! B@C@.C@ @(2
$ 5(B 1$! " 2 A B@CE@2 B B@ @
, A @A., B @..@2 -C B@C.C@ @ ;PK< - . 7 0
< & (" == 5@D +B C->.B .C@@A@ ,@ >@ AD B@@C@
.C @ B CJ@ -C @D.@ ;ML; 1 0 C!$ '
S OQ 1-> ? G B @ B C B B@ C@ .C @ @A->.B +- ? U@
B G - ;Q<N 7 " = .. 0 &) ' ==O
!B C@.C 2 -CX-C J@ @ - @D.@ 4Q<< B 7
- ,0 ' ,&!' 0 SMK + ? U@ - , JC-D> @ C-J - B G2
B B A +>C ,,G ->,D -A,G @@D C EE + EG B C .C SK)
7 = .. C $ ' > ' 0 PQ O !B@ C -C !E@C@ C !$) -
$,) , - -?@ J@ @ - $ 50

!B@ C B@ D ^ 1(AD

B@ >JJ@C J C+ - +B@ JJ C +> -C B- + A.

UA- A B@ C 8 @@

SGM- - . ($ ' 8;QQM( ) !.(B@ + U,@
B B @S+@AD C-? +B@ B@ D - +B@ ? + +- +B@ B@@C B@ D
;K=Q : ,& (0 0 <& & ' O= .>G + U@A C-?
+B@ B@@CB@ D +- +B@ B-C@

/ ' ' 0 T >,+' 1 (

;KSL S B3 ,(& ' PM + A- B@C@ J C+ U@ -
+B@ C@.>, C D J - +B@ +C +>?2 E>+ EC-U@A AD A+@C
A) +@D +B B + +E@ ? A@C ,, E@ C)B@ D AD DD,@

!B@ C B- . 8:) *B).($!0 , - M =6(007K-

& =6-00EK & " =6(0 67K " =6(00(K 0?

P)2O ' 7 / I $V (1- K)- *7 (4(13 (?*-0

6- ? 0= =6-(0 K (< E * 4 *6- =-D7 <

SWLL L= - U) 10 e PL E@ @ @ EG +B@G? @, @)
+B@ A C@ B-..@ AD +B@G>@ EG +B@? @,) +B@, ?E@ EG
+B@G? @, @ ;LPK !!& % ! 0 (">A+ A.D-A 8!-?Y
@C @+ " - (2 @ -C B CC-. ;QLM 7 . . 2 5* (
PO 8 / ! (B@ +B CD G@ C B@CC>. ;QK= 7 " = . .
0 &) ' 8;QNN(OQ 5 +G T B CB#. - +B@ A@
@ @ +@C B C@ EC@) SK!Q < . ! ! ,$! % (
(< !%C & & " ("@ +B->.B+ + ?@C@ C> +C + -A
- +B@ J>CJ- @ - , A.> .@ +- + ,U - T E@ C B-. AD
@ @ +- ?@A B- B E +> ,,G D T B CC . " AD TG- @

* !B@ C B--B $) (1 (0? 3

' U,@ B J@D B--U A+@AD@D +-

D@ +C-G +B@ @A@?G' C .. A.

;LLK ? -, ($ " 8;K=Q(=QP2 @ ,GA.A@
D@,@ 2 >A DG ,,2 >A B@CB-U2 >A ?GU@B-U $ $! ,,0
' (8;K<M( ) !B@CB-U@ -C +B@ G@CD@ C?@ ;PPK
7 8 A " U,>G+ &"(8;PKN(;O= B@ B JJ@ @,,
E--CD@ - AD +B B@C B@ C@ E--U@ >+ ->C ? A@
,@ ;MS< A 5- +@C % ($, & 0 ' $ 8;<NM(MK
B@G B->,D E@ ++@D +B B@@C@ E--U @+ 2 +- U@@J@
B-CD A.2 , ;MLP 1 . $!($, C
8;MKP(OK< !B@@C B--U C@ .C@ + " --U - C-A E->+ +B@
E .A@ AD A +B@ -C? - U,@ AD +B@G C@ ,@+ B+- +B@
? A G CD C? 4QN= : ' 50 , ' (4Q<=
' $-$' * : KN

6-(0 4 1 4JF @@!" "+: 9

6-(0 K 8: *(2 1!0 10 7. Q

\ , a

: B@ + - -C A + - >++ A.2 +JJ A.2 -C

B A. +B B@ C -C -?@ -+B@C B CJ B +C>?@A+

, J/ ; ;=;M J + EG A B-,G B@C B@ G ,@J@D
@, J@ >C +@ B@CGA.@ # ,@CU@ $ =-- P- $! 50
OMO= !B CJ@ B>D@C A. - B-+@2 B@C A. H) 1!0 (
B@CGA.a - ? ,@ ;=<N ,,0 ($ 0 ,& 0 : ;LK
+@?2 -C +B@ B@C@ A. - SUS * @,A@ * I> C+ C - , G+B
: !V g # - U) 1(e P; O@ C@2 +B + +B-> J>+ A-+ +-
? AG B@J@ A J@AA@ + -A@ +G?@ + +B@ B@CGA. R R
' 0 (QQ C @2 AD $@?@?EC A @ E@ +-
G-> E-+B AD @, -?@ +- ->C !B@ C A. $>+& 1) - Q
- M= 7 B@A A C-? B@ C A. @@U +B@ C A .B+,G
E- 'C $>J " , !3 !& (B@ !B@@C? A
+ U@ +2 AD . @ + + C + >+2 -C B@@C A. ;QQK ^ 7 "V
= ..V ') ,((1 0 <O B@ %>++ A. -
7 B@ + +@C?@D !B@ C A. R) ' ' < !& 0(
$ ' ((0A 55$ >J +@@, -C +B@ > ,E,@ ;K<N $
.) 8) 4 &!0 %& - ;OO 7 +B JC A. ?@
,, +B@ E> +,@ - B A. AD B@ C A. ;K<; = C& -
1" $" 8;K<M(;<; + -,D ,- U) @ >J A +B@ ?-C
+ +B@ C + - +B@ B@ C A. - +E@ -CA

O %,@ .@2 J C+ A.2 D -A 1 0

, ;=NN ,0 &B$ ' $; PNO B B@D@ AD + ,, C -C +-
G ? GDD,@ B@CGA. A * G # @C ,@ J + +>CAG A
E@ @A@

! -?@+B A. B B >+ - +B B@ C -C

-?@ -+B@C B CJ ?J,@?@A+ - -A,G * 0

K ;PLM 0 1& 0 8!>C+@@ (, PM - ? G B@JB@CD G @
B@+J@ B@C A.@ ;)PK 9) +C ! 5 T 0 8;PMK(<N
J->AD@- +B@ B@ C A.@- ! C,@+ ;MQL 5 : E '!) , . "
0 OKQ + , U@ +E@ B@ C A. - +B@ " - . 2 ,, OC +,@ SQS
)) I - O<P J ;N "@ ->,D 2B @ JC@ @A+@D B@C
-A @ A +BC@@ 1@ C +B +B@ !B@@C A. - B !B@@J -C B)
6AD@C &@++ - + ;Q<< $1& $ & " 2 ;=P &>+
C ,@ B@ C A. - C,@+ ,-+B >J-A +B@ - , ;KQW - B
$ &! ,$ PP @C+ A I> A+ +G - +B@ B@ C A. - A@
--,,@A ,-+B

! $!(D@ .A + -A -C B@@J +@C +B@ C +

B@ C A.2 B@ C, A.

O%&O $ - 0 ?.(8!>C+@+@(O +@C +B@G C@ -A @
B-CA@2 +B@G C@ ,,@D . ??@C !B@ C A.@ ;QK; ' B
&) & $ 8@D #+ <P $ ' (B@@J G@ C -,D2 -+
-A @ B-CA ;QKM B.. &, . 8;KNQ(A+C-D J S 2
B@A +B@G + U@ +B@ A ?@ - B@ C A.2 B@ C, A.2 B@ C E-.
M ' ' 0 8!@@ I>-+ (

;KQP : 7 0 , 0($ ' (00 +B@ ? U A. - @C+ Y
, >+ + +B@ @AD - J-C+ -A - A >AD@C >+ @ ? - - ,
SKKS) ' ' < !& 0($ ' (B@ @C+ ,
D@ >++ A. B B2 +-.@+B@C +B B-, A. -C B-C X-A+ ,
>AD@C >++ A.2 -A + +>+@ +B@ ++ U >J-A @ - - ,

M C " , (@+ ! @@ C <

$ /+ . ? 2 ' $ W & ' 2 $" ? LK
6AD@C +B@ @ C >? + A @ ,>C@ + U@ J, @ -,@,G C-?
+B@ @C+ , B@ C A.- +B@ ? +@C , A +C A @C @D C@ + -A
O / $ ' (* * !(, $ ' , e OQ< O<< B@ ,@

+ A @ - + ?E@C +- B@ C A. A @ B @ +B + B B +
E@+ @@A -A+ .>-> , G@C - EC@ 5N?$ & ' 0 @+ C !& (
% - !(4 4 4 Q; #A +B@ 5C +>C@ - OC ++,@ AD ->
! -, D EG T !B@ C A. OG ! C 7 6, ? B-? -A2 5 $!
;KQM 5 # ? e L A ' , " , !0 ? 0 OKP O
B@C@ C@ +BC@@ U AD - +C@ 2 D>@ +- +@A -A2 -?JC@ -A2
AD B@ C A. KK 5 31. 0 < &!0 ? . e =
8;<NL(=OK B@ J, A@ - @D ?@A+ + -A2 -C +B- @ - ,@ .@
-C B@ C A. B@C@ +B@ @B @ E@@A D@ @,-J@D2 E@ A. A +>C ,,G
+B- @ ,-A. B B +@C J @ ? - + @ C G

2 $ 1((< & - 1(((= $ ' 3 $"(3% $ (

3 ' (3 $ & ' (^%3 - 7 $ ' 3 &) (3 U -=L

(1 -= 7? *774= W-(L7 = -*D E=-< *3- L07D-==

7? =6-(0 K (= $ ' 31&$ (3. ' % (3-$, ' (

H3 $% (H3 $ (> 3 2& (3 $1! (

SMM A O C B (&"0 &,0 8;QPM(M= B@
,- @C B J ^- +B@ B@@Ca U@J+ ,- @ D- A +- +B@ B@@C A.
E- CD +B @ .B+ - ,@ D) ;K<N T $.) 8) 2 &!(
%& - S 2 B@ B@ C A. E- CD ->,D E@ D@ @C+@D
SK (' ') LN :>,G2) !B@ C A. D G A@ -C E@ C A.
C@A+ AD -+B@C ->@ [P<M 1 & * . !3 ?-A. +
+E@ B@JB@ CD A +B@ C A@ C A. @ + ;KO< ' ' &%<(
2 B-> B ,+B @ A@ U, @ -)@+ +A@S+ B@ C,A.) @ +
;MS= 7 8 . C (C * 6 / =2 #C -- >??. C@
OC@A+ B B@ C A. A-> @ SK-M $ B .) - (
8;KNQ(;=P @CG , C.@ AD -??-D -> B@ C A. B-> @
SK) 7 C& -) 0 % ,- 2 T $ '3.' (
+E + B@C' +--, -C B@ C A. +B@ C-- ;KL= M & . 8
$ ') %0 e ;8# \ A ' , " , !0 & * (8;K=P(QO< T !B@ CY
A. -C C-JJ A. ? B A@ B @ A- @CG -??-A,G >J@CY
@ D @ +B@ B AD B@ C A. ;KPN . ? $ ' ' $ & ' 3
2 $" ? (MMP +@ ? @A. A@2 +B +B@ A@ @ CG
B + A.2 -C DC A. +B@ J>A B A. AD B@ C A. ? B A@
;KKL ') %" $ 0 # + KSQ S #C. A X@D) B@ C A. E AD 2
+B J+ A 2+B + . - C-? C A B +- S A@B B +B@ d B@ C A.
!@ -A 4PK[' .. ! $ KQ >A- ->AD@D
-C@ OG +C J,@ B@ D@D d!B@@C A. B +@ ;PQL B
) 1(84KQK(LM d!B C A. !B@ C@ C@ D @ -C B@@J@ +-
E@ B-CA@ ;<S< (= X $ ' d $ - S> SXM B@
D JJ A. -,D -C +B@ d B@ C A. B@D ;Q<Q 7 ' 1
2 - & ' , ' ONN .--D , .B+ d!B@@C A.
! -CD SK : 7 0 , 0(T $ ' 3 $1! (
E@A B -C B-,D A. B@@J B ,@ E@ A. B@ C@D2 , ;P N (
0 0 3 ++ S LN !> C G@ +B ? E +B@ +- .C- A+-
d B@C A. +G?@ ;QQQ) C& * (' D 0 OK=

& L-D (4 D7 1 3>F =6-(0 K <(0KF ,(((<(+2=

W70J L-0?70 1 -< 3+ (=6-(0-0U Q =6-(0 K 4 77JF

= * 0 U ? =4 (0 K>0(1 (0(1 L(=* *=

? 0=* =6-(0 K (5< *6-0-?70- (37E* 7E- +-(0 74<

! !) A 0 $ (0 ,& 0 ;P<L2 QN= O @ d B@C A.
D C. , 4L B 0 <((M=; 85 C (A .--+E +B@
.C J@A@, - >, - C-U@ ? -B.@+B@ C-J@ AD +B@ d B@CGA.
d B-U@ %b M) ! 2 & * , ,(8%)@+B ? ! - (LO 3 U
GA.@ - +- @ B@CGA.@ B->U@ S# c_&_ *& ' $ 0 4
;OL B@ > @ - -?@ - B d B@ C A. C ? 2 -C +G .> A@
@)

3 =D - * ? D *-01 = ,=-- =- =- (<

" / F =6-(0 K L4(- F % 9

. !R/ U =6-(0 K =*0((=*0(7? *6- (*E0- 7?

(=6-(0 9 (U =6-(0 K =*0- K*6

L7W-0 7? 0-= =*(D- *7 =6-(0 KU =6-(0 K =*0-==

(=*0-== *- < K *7 L07<ED- 70 0-= =* (=6-(0

;KK< # - C " , $) 550 8@D O(OML
B@ +BC- 2 +B + A >,+ A. - >C ,-A.) ,@ d B@ C A.
J, A@2 +B@ T >,+ -C T +BC> + J, A@ ;KP# .
? $ ' ' $ & ' 2 $" ? P;Q B@ +C A ,,@D EG
3 C !+@JB@A -A +B@ d B@ C A. +C A B B C@AD@C@D
+B U J, +@ A@ @ +G + +B@ @S+C@ ? + @ - +B@ +>E) XKK
= E ' * (V ' - $, 4L= B@ C A. ! +C A ;KM<
? D 5 * 1) ! ' ** LLL B@d B@ C A. +C@A. +B
- C @+ C@ JC-J-C+ -A , +- +B@ @ + -A , C@ O %O
$!!2 , . =<Q B@ >,+ ? +@ B@ C A.
+C@A. +B @ I> ,2 -C A@ C,G @ I> ,2 +- +B@ +@A +G 1 0
=<M @CG d B@ C A. +C@ @ I> ,@A+ +- J C - D C@ +
+C@ @ - +B@ ? @ A+@A +G2 -A@ +@A ,@ AD +B@ -+B@C
-?JC@ @2 @S@C+@D A D C@ + -A A U A. A.,@ - =PZ
+B +B@ B@ C A. +C@ ;<SN 3 A ' , " , !0 ? 0 4
;=L ; + +@ - +C@ A B B +B@C@ J>C@,G+ A.@A+ ,
+C + -A -A J, A@2 AD A- A-C? , +C + -A -A AG J@CJ@A
TD %>, C J, A@2 D@ C E@D + +@ - B@ C A. +C@ T0

! - C A . 8 Z C (2 * * !0 0? N

" 7 ; a B + ! @ C 2 A C -> @A @ - +B@ @CE

OJ>/ B ?), S =PP B @C> + +B ?@ A .C@+
GA@ 7 +B ! B@C AD @CD AD +B UAG , $ %b M
= 7 ,(C& - 9S XK B@ B@ C AD B +
--A , JJ + +- ?G E C+ L[ )) &*$ * ,0 8;MLO(
4;L B@@C A. AD + U ,, ,+ A +B@ E>D c b &]
$)7 & C ", - O= U@ + A B CU
B- A. E- @ +B@ +@C E,>@ B@ C B@ C A. A 2

37(074-K= 7 @ @G <-) D- D7 [

= =* K 7? *60-- L74-= 7? W77< 70 07 374*-<

*7K-*6-0 (* *6- 0 ELL-0 - <= (< -R*- <-< 3-47W

D(+ K *(DJ4- ?70 0(= K 6-()+ W- K6*= ?70

1(D6 -0+U D? 1@3 #

SKM- ' !(# & 0 ' ' < !& ((2 ,$! - 8@D
O(MO $ 3! (0 SKQe : " . . $! ' % "
E-C A. +--, C@ -?@+ ?@ -CU@D ?J,G EG C-J@ J @D
- @C B@ C,@. -C +C A.,@2 S--- ' ' ' , (4 4
MQP + +B@ %B . - G CD +B@C@ E +@@, E@@C "@. S-- @@+
B .B AD - S-- +-A J +G

-(04 K @ SM4 T/ 701 =F # =D6-04 K

! =3-04 K =6(04 K =76(04+ K =6+04+ K

& =6-- K " =6-(04 K 0? (!

=6--L *6(* 6(= 3-- 7 D- =670

;LQK)) $ - , , (&!! 8!>C+@@ (PKQ A LN J@,,2 D@
! B@C, A. @?J+ D@ %@,@C JC- J +C A 2 P= 4PLb L)) '
&) (?.(H H 5H0 0 ONQ # @ - +? B C,GA. S Z)
B . . &, . 8;KNQ(A+C-D J SS2 B@G A-+ ,,@D
B@ C, A. >A+ , -A @ , JJ@D2 B B >AD@C +--D +- E@ +B@
?@ -A@ G@ C -,D % << $) ! 1 " $ - *0 ;S= A
1 (E %(V ' 0( ) 1(" 3 U A. >J +B@ A>?E@C EG A
DD + -A - +E@ A@ +) ? ? @C B@ C,+A. SK)
- $ " 2 : ? B +@C +B A G-AD@C B@ C, A.

/ ' B@' ,@@ @' - ' > B' ' B@@J2' 0
' ;=K; <N' &2$ ' &) 0' ? . 0' 8$-SE (' ;;Q2' SS *' D-> @A'
- ' B@C, A.@ 2' AD' *' UGAA@ 2' JC @' +B@' D-> @A' SS' D'
S!LX ') $-' &) 0' ? . 0' 8!>C+@@ (' ;N< &@,,@' - +'
B C,GA. ' B\ ' ') ! B& , , 0' 8%B@+B ?' !- ('
'+B@' .,- @C2' -C' * BGC,GA.@ 2' B B' ' UG,,@D' + -C@'
+-E@C', +2' Sd *)' SMK-' A' 5@C.> -A' \' 3 A -A') ' ,0'
,(' $! !' 8;KKQ(' ,) ?E' U A ' B@C, A. ' , @ U A
K2' $ 10"' ' $! ' 3 2 ' ^ $- ' ^2 ('
KMS' - OQ!@J+ 2$@.>, CC ? EC@@D@C ,@+') B@ C, A.'
+ A ' "' JC +@' -A+C +' ;K==' " ' 1 ' ? (' $ - ' 2'
LK' ' D A ? -A+' -C') B@ C, A. +>J ' ;QK ' 7 ' " ' = . .'
& %&!. H5B ' ' LO;' !@ @C ,' J@A ' - B@@C, A. DD@C
! B@ C? A' 8:)' ? (' 5-C? ' L' @C? -A2'
L M' B-C 2' = Q' B-C@ 2' P M' 8 (B C 2' P Q' B@C 2'
8M' B @C (2' M Q' B@ C@ 2' M K' B@@C 2' 8Q' B@@C@ 2'
B C@ (2' M ' B@ C? A2' ^ ' ' N' = ' "
' #A@' B-' B@ C' --,,@A' ,-+B' - ' 0
'; QP' A' &* (, $ &!0' &,0' $' 0' !@C' ;;;' 8 .-S(' '
;LN' $-. @C > ',@' @C? -A' ; <Q' C!$, $' ,& $-' ' ?' ;L
8;K<Q(' KL' D ?' ,@' ! B@C? A' ;LQ<C&!!3 $5 ' 0' ' ' A'
& . 0' , &!0' " ' !0' ' OP' : -B AA@ ' 7 GU C' \' .A@ ' S'
@*> 2' !B@C@? A' ;=SP' & ' $-' ,0' ' <K' 7 ,,@, ?> 2'
B, > ' B-? @' !B@C? A2' D@' -+GA.E ?2 B@C? A' ;PLN'
A' , $ &!& $ > E C? A-' !A@++ B ?' ;PP;'
' 9 . ' < ' 2' " ' -+@' -? B +' C @D '
DC@ @D' +' +B@' @C? A ' ^OPKN !B @C? A a2' A-+' J +' + -' -C'
+BC@' D G@ ' E@ -C@' ;P<L' ' O' ' 0' 5 2' ' 6' ;=;'
,, A@2' +EG' 5 +B@C' ' ' &, G +@C@C2' AD' +B->' +BG' @, @' '
!B@ C@? A2' C+' +B->' A-+' ' SM-' &' 0' <$ (-' OOO= =' '
!B@@C? A' EG' C D@' ;Q<K' 7 ' ' B ' $- !"' 8) &''
_h' .C@ +' .C AD +B@C2' ' ' B@ C? A
& - 0' ;=ML' $!0' "' &' 0' 031. 0' 2' OQ' B +' A- ' J@C -A'
@A C >A B@ @D' + U@' J-A' EG?' +-'. GAD@' AG' ?@AA@ ' B@C@'
@S @J+' !B@C@? @A' B@CG ' ;K<=' $ ' ! ' - B ' 0' Q
- & !$' ' ;MP' B@' B@ C?@A DG@C
/ ' #A@' B-' -AD> + ' +B@' JC- @ -C B@ C A.' ?@+ ,
SKKS' ' 0' ') ' ! . ' 8;KKP(' <L' 7C->.B+' C-A' 3 A>Y
+>C@ !B@ C@C' -C' !B@ C? A' $1&) ' & - - &'
,- 2' $ '- ' ' ?@A' B-' J>+' C-A' -C' +@@,' A+-' +B@' B@ C'
' AD' I> C@' +' AD' >+' +' A+-' +B@' C@I> C@D' ,@A.+B
! B@ ? 8@2' C A+' -C? ' - ' ' 10
! B@ C '* 0' @@' ' 1
! B@ C BJC @2' C A+' - ' ' ' 1 0
4QNQ' 7)' . ' C !0' &"0' ?) &2 ' J V2' ' O' E2' A '
;MLO2' ' ! .A +>C@' - ' 5-C@ .A' !B@ C B-C @2' A' ->C ' - '
$-E@C+' O-C+B U' E@ A.' J +' A' S B@I>@C' ^@+ a
! B@ C' +@ @,2' ^B' ' ' @@' I>-+' ;KLQ2a'
O, +@C' +@@,' ?JC- @D' A' I> , +G' EG' B@ + A. 2' C-6? .'
AD' + ,+ A.
SKS ' : ' ' C$' & $-$' 0' ' ' : ' ;L' B@' +@@,'
B B' -A+ A ' +B@' ? ,,@ +' JC-J-C+ -A' - ' CE-A2' -C'
@S ?J,@2' B@ C' +@@,2' ' +B@' ?- +' @ ,G' @,D@D' ' ;KLQ'
' ' ' ' 0')' .0' ' , " , !0' ' QKK' !B@ C' !+@@,]'
B ' A ?@' ' . @A' +-' ' +@@,' +B +' ' C +' ? D@' EG'
%C- ,@G2' - ' @ +,@2' E->+' S+G' G@ C' . - ' %C- ,@G 2'
+ ?J@D' B+ ' JC-D> + -A' +B' +B@' .>C@' - ' ' J C' - ' B@ C 2' +-'
AD +@' + ' > + E,@' JJ, + -A ' C -> ' I> , +)' - ' B@ C'
+@@,' C@? D@2' D + A.> B@D' EG' +B@' +@C? ' B , B@)'
B@ C2' AD' D->E,@ B@ C2' -CD A.' +-' +B@' A>? E@C' - ' + +A)' ,f
B ' E@@A' >+2' J ,@D2' @,D@D2' AD' DC A' ->+' ;KPQ' 6- !'
@+ ' E 0' $! ' L=P' O C +@@,' C-?' +B@' -A @C+ A. >CA @'
' ? D@' "-' A.,@' B@ C +@@,' AD' D->6@' B@ C +@@,2' B B'
,,' D ,) A' I ?6+G AD' V)>@' +B' +B@' I> , +G' - ' +B@' E C +@@,'
C-?' B B' +' ' ? D@2' AD' +B@' *>D. ?@A+' AD' C@' - ' +B@' J@CY
-A' B-' @,@ + ' +B@' +@@,' B ' A ?@' ' . @A' +-' +' E@ > @'
+' ' +B@' U AD' > @D' -C' +B@' E, D@' - ' B@ C 2' -C? @C,G' @?Y
J,-G@D' -C' C-JJ A.' --,,@A' ,-+B ' ! A.,@' B@ C +@@,' '
D + A.> B@D' EG' ' A.,@' C@JC@ @A+ + -A' - ' ' J C' - ' +B- @'
B@ C 2' AD' D->E,@' B@ C' EG' + - ' SKMS' ' 7 ' 5 +$M + + '
& ' ' ;QP' / ->E,@' !B@ C' !+@@,' ' A.,@' B@ C' +@@,' ' @ -AD'
+ ?@' >+' >J2' J ,@D2' B@ +@D2' AD' 66@D' ;KK=' ' & .Q
&*' ,0' !@C' ' O<L O' $->AD' +B@' J C+' B B' ' +-' -C?' +B@'
E@ C A.' ' +B U' C A.' - ' B@ C +@@,' ? > +' E@' @,D@D
+ ' ? S@ C+ ' 0' , - ' C ++@A' M' B) 2' Q'
' B C+@2' ' B@ C+2' K' &' (' DB@ C+ ' ' @>JB@Y
? + ' B-C+@A A.' - ' <& > ' $ ' 8 @@' <)' 10' ;=(2'
> @D' ' A' - +B' -C' @ @C + -A
;P<M' ' 0' & ' ;;;' ,' OQM !B C+2' ' ?G' B C@' + AD' A-+'
A' @AD' ^@+ a' ;MN=' '; ' C 0' &' ' 0' %' L2' !) 0(0'
!E,--D' BG' D-@' G->' ++ B' ' ' $ 0' !B@ C+' ++ B'
,' MS ' 7 ' <)))' $ %%' !*' ' =E' 7B +' CG A.' '
' B C+ ' +B ' ' @S',@A+' A@' ;MNP' 7 3 ' - %& ' 0' A'
2' ' ! ' B@ C+2' B +' B->' D' B@' D-' +B' D + A.> B A.' +@' '
4Q)' ' - & &) ' &2' ' ;K' 0' !DB@ C+2' + '
?J- E,@`
! B@ C' B C D G' @@' ' B) '
! B@ C +@C' 8J * .+- (' , -' Q' B-C@ 2' K'
B C@ 2' K <' &' 0' B@@C 2' ^ ' ' 4' N' 9 10]
2' ' E CD' - ' +B@' .@A> ' C) %% ') (@ J' CT' $' !&) - '
+B@' 3 AS' !B@ C +@C' 8 @@' = L' $0+(AD' C 0' - $B&
+B@' C@ +@C' !B@ C +@C
,' ;MQ;' ' ' 8 ' & %0' ? ' 7U ' ;KLP' ' L;M' '
@ - ,' ,,@D' ' B@C@ +@C' 9B*' ' &! (' & ' - ' $DC'
' K2' ? -A.' - ?@' & +>C@ ' - ' O CD ' B B' : ' B @' C@ @ @D'
C-? !C ' B-? ' OC- A ' AD ' ' B@ C +@C' A C E@D'
$) ' ' 0' 4QNL' 8 ' &"0' ' 2' <L' 7 @ ' A-' 5- ,'
E>+' !B@ C +@C ' ;QQK' ' 0' < ' 8@D' O(' ' C - 1 &. 3'
, ' B@' B CCG E CD' ^ a' +B@' B C@ +@C- ' ! C E-? ' OC- A'
SK ' ' C $ ' 2' B@' @CG' B@@C +@C ' AD' E-AS @'
C@' ? U A.' +-' +B@' , ' -C' B@,+@C2' [KQN' < . . ' +C'
) ' * ! ' %' ? ' OKK' 6AD@C' +B@' A ?@' - ' !B@ CY
+@C 2' +B- @' J@ @ ' - ' &@+C@, ' C@' A ,>D@D' B B' B @'
B ,, ' ' ,-A. 2' AD' - ?@+ ?@ ' ,-A. @C2' +B A' +B@ C' B@ D
/ ' 0 0' B@' O, U' !U ??@C2' "' , &* ' ' $0
4Q<=' = ' - 0' < & 0' ;MQ' !B@ C' 7 +@C' -C' $ X-C' O ,,
XK)' 5 ' = ' ?) - $ ' LNN B@' C @@C +@C2' -C' D -C '
E ,, ' ;KKL' ') "' $ 0' !@J+' MPO O' B@' E, U' U ??@C2'
-C' B@ C +@C
+ ' ! B@ ' CG 2' $0' 1 0' $ j 0' ^ ' ' N" V'
" A.' ' B CD' B CJ' @D.@
P<Q' <) ' 1$!' ' S ' ;M' %GJ@C> ' 7 --D' .C @' B +B'
? AG' B@ CG' .C @' ,@ >@

! B@ + ' 10' $!0' , -' 9' * 0' B@++@ 2' Q)< B@@+2'
K' -B@ +2' < B@+ ' ^%-.A ' ' +B@' GA-AG? -> '
QU' +B@' C@, + -A' E@+ @@A' +B@ + - ' -C? ' '
-E >C@ a' 2' ' J .' >AD@C' ' G@ C' -,D
> #' ' 0' A' 0' = ' C$* 0' ' 0' (4 4 4 ' ' ;;K'
8& $ # (' 1-A.' B-..@ ' ,,@D' !B@++@ ' ;PQ ' A' C >'
V ' , - ' 8 / ! (' ' 2' #A@' - 2' + - ' B@@+@ ' ;MNQ' #&'
! ' &) 3%(' ? $ ' MM;' A' A., B' @' ,, ' ' G->A.' A@'
' & . . @2' ' @ A A.' & . . @2' ' E@ +@2' ' 1@ ,U@2' AD' -' --C+B'
;MPL' L * 8 ' $1 !$ ' ' SSS 2' BC@@' B>ADC@D' E CC-)'
J . ' -C' B@ + ' 4QLM : ' 8 ' ! ' & %' ' ' 8@D' O(' LK' , $ '
' , ++,@' & .' J G3 ' SK L' A' 0' ' A 0' !@C2' ' ' LL< ;' B@G'
^9@A+ B' ?@Aa' D@ A@D' ' B@@+ ' +-' E@' J . ' E@+ @@A' +B@' .@'
- ' S' AD' +@A' ? -A+B ' ' ;KQP') 5' <!& R0 ' $ ' ' G->A.'
B-.' - ' +B@' C +' G@ C
i' ! B@ +2' ' 1 0' $ 3 0' ' C ?2' A@ +
,' 4P<N K ' 0' ?$, &' ' ' 8;MLN(' OP' @ +2' B@ +' AD'
A@2' ' EC U' ' ' >J' - ' A@
! B@ +2' ! B@ +8@2' -E ' ?' '
! B@ +U ' 8: V(' 5-C? ' ' ' @?+!2' M +82
; L' -@@%2' L L' - J2' L' B@@J2' @ J2' @J-2' L2' 8P('
@+B2' = M' 8@(, @+B@2' = Q2' 8Kn< $! ' B@+B2' P'
B@+B2' 8 @@+B(2' P M' B@@+B@2' ,0' -B@ +, 2' M'
B@@+B@2' B@@+B2' M Q' B@ @2' 8Q' G - * 0'
U@ +B2' K B@ C+B(2' M)' B@ +B ' K' = P' -B@D@2'
P' B D@2' P M' -B@+@ ' ^# ' .* ' , $*' +C ' @CA'
#! ' . $(3 / > ' , ' 8? -D / > ' , ' , +('
" ' , $' 8 3 " 2' ? -D ' , +0' # ' . '
J 2' EE CD' 8 / ' . +] # @>+ ' T . $ WB&0
B@' -CD' JJ ' E@,-A. ' +-' +B@' @>+' C--+' .$ C3 ' .$ 3'
+-' @J C +@2' D D@' 8 @@' ' ' . ' B@' JC ? CG' A-+ -A' ? G'
B @' E@@A' +B +' - ' ' + U' J, +' +-' C@ @ @' +B@' E, D@ ' ' +B@'
E, >+ C A+' 3 ! ' . C$ ' ? -D ! ' . $' $0 B' B B'
JJ@ C ' +-' E@' +B@' ?@' -CD' ' # ' . $' ' E ,,@+' - ' --D2'
. . -+' 8 @@') ' B@' # ' . $) 1 ' J 2')) @ +B' - '
' B-C @' 8 @@' # ' E@,- (' -?? -A,G' C@. CD@D' ' -. A +@2'
,+B->.B' E@,-A. A.' +-' ' D @C@A+' G- @, @C @ ' JC-E E,G2'
B- @ @C2' +B@C@ @?E, A @' A' -C?' AD' @A @' +B' +B@' JC@ @A+'
-QD' ' D@A+ , a
: ' @' -C' - @C A.' A+-' B B' ' E, D@' ' +BC> +'
B@A' A-+' A' > @ ' > > ,,G' ,- @ ++ A.' AD' -AY
-C? A.' +-' +B@' B J@' - ' +B@' E, D@2' @ J ' - ' ' -CD2'
D . . @C2' UA @2' @+ ' % ')
' ,' <PN' ' %0' < & *0' : -BA' SC ' ' !@AD' >-CD' A' @ @! '
- !$) - ' ' ')$ ' $ - 0' $ ` 5 &$ 5 - &' > < ' 0' 4F<O " A '
D>?' EC>SD-A' @,@! - ' @!>?' EC A. ? @,@D' @-CD ' S---'
5$ ' & ' 0' : =KO " @' @AD@' B ' >CD' A+-') C@' @)@'
S --' ' ;=MQP' EC B ? DC-E' B ' @CD' - ' WB @_Q@'
I ;ONP' ' OLOS;' >U@A' +' - ' *)@' ,' ;OQP' @ J@a' @-C @ '
,-A.@ ' ,' ') & ' (PQ<P' 85 C (' J +' D A+' A- ' . ' J->'
A A@' A +-' J@' B@J@' ,' O=OP' 7)C!B@@: 2' $! ' 5 ' -C@,a'
E->' J>++' J ' I>-CD@') =PN' C ' $! OP< 7 GJGA.'
B ' E,-DG' ! @CD@2' AD' J>+' E +') ' GA+-' E ' @E@J)' ,' ;=QN'
< &!0' * < $2 (! B-C+' >@CD ' - ' B@ +B' ? @ +,G' +B G'
DC@> B' A/J+' ; . 7 ' OMM O' !B@+B' - ' ' ?@ +@' UAG @2' $" ' 0'
> ' , $ ' OO=' " @' J D' ' ,-A.@' D .@C' +B' ') +@'
- ' . -,D@2' AD' +B@' B@+B@' - ' ' GC@' UGAD@' - ' C>@D' --DD@'
;MNP') % 2 & G' , , 0' 8%B@+B ?' ! - (' A@ ' B@+B'
-C' ? G' 3 ' D . . C ' $%%O' B ;K ' $ ' C ' $ 0C ' $! '
' & 0' O' O, D@ 2' " AD,@ 2' ! EE CD 2' !B@ +B ' -C') @ '
4Q[P' & ! $ ' ' ;OP' 1->C' B A A.' ! -CD ' ,C S A' +B@'
!B@ +B' C@ +C A' ;KNN' ' B - !0' " ' ;<P' B@' ,@ @C' AD'
>++ A.' E, D@' @J C +@D' C-?' +B@' B AD,@' AD' B@ +B' $ +0'
.)' ' , ' ' ' O@ -C@' DC A.' +B@' -CD' C-?' +B@'
B@ +B' ;KMW' B ' C 0' - ' O< ' EC-AX' -CD' A'
' --D@A' B@ +B
) ;LKP' B ' 0' < 0' (KKM 8 3 ! ' . (' G E@' '
B C@' G?J ,' \' B @' @?+G' B@D#' AD' @U' B ' @CD' +B +' BG?'
B +B' &' ' +-' D@D@' ,' S) ^' ' ' $ ' 8&@C G' ! - (' OPK='
AD' DC@ ' ' UAG ' ->+' - ' B C@' -B@+@' I;==N' C &' (' C$ 0
!@E@D@2' -C' B@+B@)' $ ' $0' ;= ' &' ' ' $ &! '
;R ' 0' 8 7 C+-A' %,>E(' S 2' 3 GA' E @, CD' B) +' ' B@D@' - '
C@D2' AD' ' D@A@' ,-U@+' - ' ,@D2' ,' OPNN' !) ' ' , S ' LP< " @'
J>++@' BE' @CD' J' A' +B@' B@D@ ' PSK') ' &,$10 ' $ ' $ '
' B@+@' ^4PNN ' B@+B@a'
E ' $' %0' AD' 6 0
;O<Q' $ ' < . B ' 8$-,, (' OKM=' 7 @C@' B@' ? - @' :V@ ,>J@C'
-C+ .@C + @' C ?' J@' D@J@' J +' B' A' ' A@ CD' ? D' >@CD'
? U@' ' @J@' B ' ,& $' ' L< @' JGAU@'
A@>@C@' - ' ,@J' +-' U@' ? GA' ? 6)' J +' C> +GJ' A' ? GB' B@D@'
$ %' C=* " ' B@+B@a' +G,,@' A' J@ ' ;P< ' ' & - 0'
' 6) !0' ' , ' ;QN' 8F- ' ;P<<(' #' B JJG' D . . @C' BE' ' "'
B@ +B2' +B@C@' C> +' AD' ,@+' ?@' DG@' SMX)' '
')' , 0' 0' ;=' ! - ?@' -A@' B-' ' ' ?#@+@' BGJ-Y
C +@2' AD' E>+' ' +' @C@' +B@' B) +B' AD' B > - ' - ' '
%BC + A' =KO;' * ' V ' !2 (+ 2' 7 - ?@A 2' C@' - -A'
-C' ? AG' ' E, D@ ' @S B A. A.' ' B@ +B' - ' A@ + ' ,@ 6 @C' -C'
-A@' - ' ,@ B' AD' E,--D' I& 7' 2 ' &' 0' % " ' $ '
7U ' 8O-BA(' ' LOL' E@C + -A' - ' +B@' ,, ' C-?' +B@' B@ +B'
AD' ,-. ' - ' -C. A X + -A2' 0 ' +B@' @AD' AD' ?' - ' +BE' -C,D2'
' - ' ? " ' - "' $ ' J@++G' - +B ' 0
$' ;PLN' ' 8)' %% ' ;LQN' 8OC AD (2' B@' B-,@' >+@' A'
-C+>A@' EG' ? G' B@+B ' ;PLO' = ' &' %) 0' ' $! ' 7 U '
P<P O' 1@ ' EG' ? G' B@+B@
+ ' D ' C$ ' ' $ ' H B- G' @S+@C -C' 1 0
^% ' 5C ' T' $' ' ' ' $ ' & ' ' ' ,&) $)' ' *!& - 15'
&C- ' ' ,@ D@A' -CD' A' ' . -,D@A' B@ +B ' ' . -D,@ @' B@ C+'
A' ' . --D,G' E-D @ ' 8%-+. C ((
;P= ' 0? && ' ' C$ 0' C $" ' 8 ' !' 2' @+' ' A-+' , ++@C' ->C@'
@,>@ ' A-C' ? U@' +-' ?> B' - ' ->C' J A+@D' B@+B@2' ' +B@G' G@'
;P=M' : ' ' 8)' C & 0' 8;KMQ(' <O' !B@' ? ,@' A-+' E@ C@' @+B@C2'
E>+' B@' ? > +' EC@ +B2' !B@' ? U@+B' - ' ? > B' - ' E C' J@GA+@D'
B@ +B' ;PQM' < 7 ' !' < !$ ' 7U ' ;<;N' ' ;PM'
#A@' 7 B)' + AD ' - ' ? > B2' >J-A' B+ ' J GA+@D' B@ +B '
B +' E@' - ?J+ 2' A-' ! -,D ->C' B>+' B ? @, @' OMSL' '
1 (< & * 0' ;;' ' 7U ' ;M;=' ' ;P< B->' JAD@ +' +BG'
@, @ ' A' +BG' J A+@D' B@ +B' AD' . G' ,-+B A.
/ ' ' C @ +B , U@' - @C A.' JJ, @D' +-' C -> '
A ? ,' AD' @. @+ E,@' +C> +>C@
' B@' +>E>, C' -,D' - ' U A' A+-' B B' +B@' J@A '
' C@+C +@D2' A' ? AG' A ? , 2' ' +B@' B-C @2' E>,,2'
D-. 2' @+ ' , - ' i' @ 1B ;

S) ') ' ,, ' ' ' LK' B@' ?@A' - ' +B ' ->A+C@G'
A ,- @' +E@GC' JC > @' ?@? E@C ' > ' ' . ->CD@ ' A' -+B@C' J, @ '
- ' +B +' +C +2' +B@G' +BC> +' +B@' GA@ ' +B A' +B@' B@@+B@'
+B@C- ' ^-C . ' ' $' $ ' $- ' - ')!$ - ' ')) - '),)' H(
;MN)' = B' $ $!0' ' QN' 2' +@C' G->C' E ,@ ' E@@' .@,+2'
+B@ C' -D ' AD' B@ +B@ ' B JJ@A' +-' @,,' @S @@D A.' ?> B '
,' ;QON' 7 ' < ' $ > ' <) ' ' +' 8;QLK(' ;P' + ' ->+@C'
- @C2' -C' !B@ +B2' ' A-+B A.' @, @' E>+' ' JC-D> + -A' - ' +B@'
! C U A' " D@' AD' ,@ BG' & AA ,@' SK--' : ' B) . .'
, 0' ' L=' B@' %>C \' 5 C +' +BC- ' B ?' ^+B@' E>,,a2' AD'
DC ' BE' J XX,@' ->+' - ' BE' B@ +B
E2' ?& 0' ' +>E>, C' -C' @AC-,,@D' J C+' -C' -C. A' - ' '
J, A+ ' +B@' J C+' - ' A' @)) AD@D' -C. A' +B +' ' C-,,@D'
C->AD' ' +@?' -C' -+B@C' E-DG2' ' +B@' J +B@' - ' '
,- @C2' +B@' ,- @C' J C+' - ' +BI2' ,@ @ ' - ' .C @ 2' @+
[MQ4' < 8 ' ' $ 0' C 0' ' ' 8;MKO(' ;N B@' 5,>?@' A' %-CA' '
+C> @D' >J)' +B A' ' ?@? EC A-> ' !B@ +B ' ;QON' & ' . '
?& 0' 0' ' OK' ! - ?@+ ?@ ' +B@G' C@' - @C@D' +B' ' . A '
-C' !B@ +B' +' +B@' +-J2' B B' JJ@ C ' E, U B' A' +B@' ? DD,@'
- ' +B@' 5,->C B2' ?+ ,' +' ') ,G' E,- A2' AD' +B@A' +B@' !B@ +B'
,, ' - 2' AD' +B@' + - ' &-C+ -- ' @J C +@2' $>0%' 9 7'
? 0' C!$ ' ' 8@D' L(' ' N5B $. ' 8 J +E (2' ' J ,@ ' - ' % ,GS2'
@S@? J, @D' A' +B@' %C- > 2)' +B@' C 2' AD' +B@' / -D , ' ;KLO'
) . ' ' & 0' ?& 0' ' ' <P' # -A ,,G' +B@' J@+ -,@' @?Y
EC @' +B@' EC A B' C-?' B B' +' JC A. 2' AD' A' > B' @'
' D' +-' E@' B@ +B A. ' AD' ' @ @A') @D' ' B@ +B2' -C'
. A 2' ' A' .C @ ' ;K=Q' ' C ' , ' ' OK :' '
3 -C@' C>? J,@D' +B A' ' J-JJG' C-?' +B@' B@ +B ' ;K=Q'
= ' $ ' ' ($ ' 0' ' 8;KP=(' X--' " @' ->AD' ' , C.@'
) +B 2' -C' B@ +B2' >,' ' - ') V%- A>+ ' 2;) ' 76 ' $2 0
S ' SK-' E@' ? X@ @ C ' >"' AD' B A A.' . ,@ ?@D' C-?'
E>C + A.' B@ +B ' - ' @CD>CD ' SKMS' . ' B $' 0' ? & 0' ;Q='
B ' B@ +B' A' ,,' +C>@' C @ ' @C? A +@ ' E- @' A' ' ?@? EC Y
A-> ' JJ@AD .@' ;KQM < ' . ' $ ' 0' 0' 55 0' ' ; ;' B@'
B@ J' ,-+B A.' +B +' ?->,D A.' + @, ' -A' B@C' @@ ' @@? @D' A'
D-CA? @A+' ' B- @' ' +B@' B@ +B ' - ' E>D ' SKK ='
? 0' . 3 2 0' ! 5' ' OON' %@,, ' -C? A.' ' , ?@A+' = 3'
, & - +' > > ,,G' A ,>D@D' A' ' +>E>, C' B-? - .@A-> ' -C', ?@,Y
, +@' B@ +B' 4 $ ' $+0
d 0' ?& 0' T ' , ? + A.' , G@C' - ' >CC->AD A.' @,,>, C'
+ >@ ' 8O ' / ' : U -A' F ' ?& 0' - ' ;<NN('
, - ' T' +B@' ,- @C2' ,-A. @C' J-C+ -A' - ' +B@' @,, , ' A'
D -A' A' #@D-. -A >?' ' 4 1 0' DD (b' ?) ' ! '
F =--' 8 ' (' ' #
4KK=' 8 ' \' ' ' ' ? $ % ' C $ 0' M' 7 B@A' ' , G@C'
8 ?J,@' -C' -?J->AD()' >CC- AD ' ' + >@2' B B' D @C ' C-?'
+2' +' E ' +@C? @-' C@, + @,G' +-' +B@' , ++@C' ' E) +B ' ;K<Q' +C '
$ 1) ' 5 31 . 0' ? 1 0' 8;<NL(' ONL' B@' . ,> - @' B B'
' +B> ' JC-D> @D' A' +B@' ,@ @ ' J @ ' ->+' - ' ' ?@ -JBG,,'
@,, ' B+-' +B@' @,-A. +@D' @,E' - ' +B@' >, C' E>AD,@ B@ +B '
B@' . ,> - @' AD' ? ,+- @' C@' +C A @CC@D' A' +B@ @' -AD> + A.'
B@ 6 ' +BC->. B' +B@' ,@ + ,U!' A+-' +B@' +@?
< ' ' $ 0' 6-' D7 -D*) - ' * ==E-' D7)-0 K' W6 D6'
D47=-4+') -=*=' (' L(0*' -47 K(*-<' 70K(' (<3 <='
*' *7KW-0' (<' 674<=' *' ' L4(D-' ?' G X/
;KNP' : ' 52' / ' # ' $ 0')** 0' - & $ ' 8;K;N('
P=' ' -) . >, > ?' +B@A2' -C? @D' +' +B@' ?->+B' - ' +B@' C+@CG2'
AD' +B A' + ' B@ +B' O) L' $ ' : ' < 3 ' " %(' ! ' 0' 0'
444 ' =#=' B@C@' VA-' A , ?? + -A' - ' + ' ^V' @ ' +B@' J A a'
-CD a' ?@? EC A@ ' -C' @ > -A' A+-' + ' B@ +B ' ;KQO' ' B L . 3'
C . " 1!T' ' ;N B@' B@ +B' ' -A+ A>@D' +' @ B' @AD' A+-' '
+@AD-A ' ;KQL' #Y' 7 . . ' ! - 0' ' - 0' C " &!(' ' QN' B'
' JC ? + @' ,EC@' E ' A @ +@D' UB' ' D@, +@' B@ +B' - ' A@2'
+) . B2@,)V 2' +C A J C@A+V' +C> ,>C@,@ ' ?@? EC A@2' +@C? @D'
+B@' - ,&! - - $' -C' ' "&! - $0' ;K<Q' !!1) %% ' " ' 0
' \ ;< B@' ->+@C? - +' - ' +B@' +BC@@' , G@C@' *) - ' +B@' A+> > '
@J+@D' E- @,a' ' UA- A' ' +B@' A+> > J @A+2' +B@' B@ +B2'
-C' +B@' C@ @ A.' , G@C
@ ' ' +>E@ , U@' @2' - @C A. 2' -C' JC-+@ + -A2' @ ' . '
' B + -,, ,@2' +B@' - @C A.' - ' +B@' + A. 2' @+ ' - ' A'
A @ +
O>>&' < .) ' 0' ' MK' B@2 B@ +B' - ?@Y
+ ?@ ' + U ' - +' - ' +B@' ->AD2' +B +' +B@' ?? ' ' -E, .@D'
+-' ,@ @' +' E@B AD ' EG' B B' +B@' E@@' --A') NO D @ ' SK-X'
+C ' $!! > ' ' ' ' C " &!0' ONP' B@' B C2' +B' E-+B'
+ ' G, ADC ,' B@ +B 2' CC @ ' +' ' >+ A@-> ' J-C@2' . -@ ' ->+'
+BC->. B' +2' AD' -C @ ' +B@' @J D@C? ' A+-' ' ? , C' B@ +B '
A A+' . . ' , ' & %' !$ ' S ' AD' +B@C@' , G' -A '
B' A' + ' +B A' B@ +B2' , U@' ' BCG , ' ;KOK' '
! - (' $ 0' 0' ' LON !B@ +B' - ' +B@' > U@C' ^ A' - 3'
1 $' $ $ +' +B' -A,G' + -' NI' +BC@@' JJ C@A+' *- A+ ' ;KL='
=4 I = B ') ' ! 0' V 0' L<<) @') @ +B' - ' +B '
JJ C +> ' ^+B@' T > U@C' - ' " @? J+@C-> ' A @ + a' ' +' +B@ @'
+ ?@ ' ,C@I>@A+,G' E@A+' A+-' A' A.,@' $ / ' .) ' & .Q
&*' ,0' !@C' C' LM< B@' - +@A A.' -C' D@ +C> + -A' - ' +B@'
B E@ +B ' @ +B@C' EG' 6A @' -C' EG' J>+C@ + -A
' B@' - @C A.' - ' %@C+ A' B@,,)' @' . ' +B@'
C X-C B@,,
;KO)' ! ' ' &' , . & ' OPM' !B@ +B ' ! -, A' . A ' AD'
! 6 I> ' ;KO ' : ' ') !(", &E' OQ=' 0 , @'
B@,, 2' -A+ A@D' A' ' +>E>, C' B@ +B' D + A +' C-?' +B@' , @ '
SD !' ' ! - 0' $ 0' 0' : $;S=' !B@ +B' + J@C A. 2' ' +B@'
, @ ' - ' +B@' B@,,' @,-A. +@D
. ' B@' ,-C ' - ' @C+ A' JC-+-X- A 2' @+
OK=O' $ ' # ' ' - 0' * 0' L=' B@' >E J-C D @' C@'
@A ,- @D' A' ' , C@->)' -O' -C @-> ' B@ +B' -C' +>E@' ;KP<
: ' $ ' ' $' 0' ' - 0' V ' 0' C & &0&$' ' M b' 5 . ' S='
B- a)' A ? ,' $ ' &!$' $! $ $W' -A+C +@D' +B A' + '
B@ +BU' 4KQ05' ? < % 1$) &' 0' ' $ 0' ;#;' c '
+B@' JC-, @C + A.' &-,GJ ' C@' JC- D@D' C +B' ' B@ +B2' +B@'
.@A@C + @' E>D ' C@' ? G ' @A ,- @D' EG' +B@' ?@' +@ +' '
+B@' &-,GJ ' +B@? @, @
B ' ' B@' B-CAG' - @C A.' - ' +B@' E ,, ' -C' @@+' - ' '
E CD@ J2' ' -C+' - ' , @' @C@' - ' - ?@' E CD 2' ' +B@'
B@ +BE ,, 2' * . @C 2' @+ ' 4 ' 0' 0' ;K<;(
A> A' ' < ' $' ? ' =L' 6JJ@C' - ' +B@' >JJ@C'
? ?D E,@' ,-D) D' A' ' -CJ@-> ' B@ +B' SKKM (8 ' A'
' , " , !T' ? 0 [!0' QKO S' ' +C A.@' ,, G' C- @' @ C,G
' +B +' +B ' @' -C' B@ +B' ^- ' +B@' B@ +BE ,,a' ' ? - E,@
' B@' @,G+C-A' -C' ->+@C' B CD' A. @' - ' '
-,@-J+@C-> ' A @ +
A A%' : ' \' 1 ' ' & - &!0' ' LMK' B@C@' C@' - ?@' E@@+,@ '
+B +' B @' A@ +B@C' A. ' -C' B@ +B2' X) ' ' 0' " ,!0 ' $ 0'
' +' MO O' 5C- ?' +3 ' B C +@C' - ' B A.' +B@' A. ' A

' B@ +B2 +B@ +@C?' &! & $' ' JJ,@D ' B@ >J@C -C
A. 2 B B' -C?' +B@ B@ +B2 C@ .@A@C ,,G ,,@D@,G+C '
;<;N:V7 ' +C2 ' & ! >' (' -(: P ! -?@
C@ -,@-J+@C->'-C B@ +E A.@D2 -C +B@G B @'+B@ C A.'
A' B@ +B -C B CD
' * ' B@ -,D' - ' U A A+-' B B' +B@ , ' - ' '
@,A@ A ? ,' C@ C@+C +@D
QQ=< .) ' $ (' ONN B@ ' U AD C@ 2
C@? CU E,@ -C +B@ B CJA@ 2 - ' +B@ C , 2 B B' +BC> +
-C+B' C- ? +B@ C B@ +B' B@A' +B@G @ X@ +B@ C JC@G
K' && (8!@@' I>-+ (
;K<N 9) B ' ' ' ,!(C.& & (MLN $ ' A' CC A.@Y
?@A+ -C B-,D A.' +B@ DCG J, +@ A D@+@ + @ ?@C ' -'+B +
+B@G C@ JC-+@ +@D C-?' +B@ , .B+ AD A E@ -A @A @A+,G
B A.@D2 + ,,' B@ ' C@'> > ,,G? D@ - 'D CU@A@D ?@+ ,'
;K<< C && (' (' L;M B@ ,@A ' AD AD@C C@ >AY
- @C@D EG' ,D A.' B@ +E '- C - @C ' - +B@ ' ?@ ,@ +B@C
! ' B@ C X-C B' -C -,@A ' ^% ' ' a (
;QLO 1 ' +C ' 4 $ ' T ' $!) ((=KO " @C@ ' ,@AD@C
D@ +B 2 AD :> G % +@C 'B D@
. ' ,(AD $B(I ' > - G " &03 $ (
;K<L & ' " ' $ ' > ' (5@E2 LQK B@ C +C ' B@ +E '+> U@D
A+-'+B@ E AD ' - '+B@ C+-> @C '^ JC-A a2 +B@G , U@D ?@CC ,G
G' +B' +B@ C A@@D,@ ' ' +B@G ,U@D , -A.' +B@ C- D
M ' '!+C> +>C@ -C E AU A.' - ' ,-- @ +-A@ ' +-' JC@Y
@A+ +B@ - @C ,- ' - ' ' C @C
;KPN A' 7 .3; ! AD A , +@C / @+
2 ' $ 1(A ' &-1(' ! ?J,@ ++C E2 - +@A
J A.' A+-' D*2 8 JJ,@D +-'DC@ (2 ' $ ' &2 ' '
*& !" . (@+ ' ,-' $. "^-$. H ,@ +B '
UA @2 ' D ..@C ,U@ UA @ @A @D A ' B@ +B '
B@ +B J ,A.' f 36% ' 'S ' 1c ;O E(
;<NK 6 %(< 0(40 3 G ' B@G @C@ B + C@ ,,@D
) B)B ,- A ' -J U C+ ' &) $)($ J> ' . .
(A ' b!B@ J>C B @ ' ' , C.@) B@ +B UA @ A +B@
& , ' $-G ,' : 1. 7 $* (&) (' ;MP B@
,@ +B@ E@,+ UB +B@ B@ +B UA @ +B@E U2 4K=O X)
1) $ ' & (5,- @C ' +B) B@ +B ,U@ EC + '
) !&&.' Q : A QOP D B@ U C+ ' >+ A' ' B@ +B ,U@ A+Y
A@ 2 S) ' . 7 ' OMM O !B@+B ? U@C2 $ (;QMM
0 5A & ' & ' ' LPQ B@ +B CD -C+ @C@ B@ +B ? U@C '
-C -CD ' 6 ' " !(? (4 4 ' =LQ O B ' A E
- ?J, B@D 2 EG C@ >,' B@ +B J+, A.' +-'C@+ A +B@ D@
- '+B@ @S + -A ' ;<NL $!" ' & (O=: A K = !B@ +B
U,C+ ,,' + C@A*-G J-J>, C +G
E ' $ ( ) T ' ' $ 3 "' 3! $%H B@ +B
E ,,2 ' @ E CD - '+B@ E6 ,'@A B@ +B@D A ' B-CAG @
E ,'J C+ - '+B@ E6,'@A B@ +B@D A' ' B-CAG @
B@ +B , 2 ' , X CD - '+B@ .@A> ' ,& $, "! H
B@ +B B-CA@D B A.'B-,,- 'B-CA '@A ,- A.'
B-? -C@: B@ +B'8C X-C (' B@,,2 +B@C X-C B@,,'
% ' B@ +B K- _@ ?& (8 @@ I>-+ (' ' B@ +B +-A@
8 @@ I>-+ (' ' B@ +B A.b O ' B@ +B A.@D2
B A.'+B@ A.'@A @D A @,G+C 2 -,@-J+@C-> 2
G .A J@AA +@' !@@ ,-' "6
$> O ' < ' $' 8 ' ? ' =L !B@ +B E ,,' S! =
') !@+ ' $ ' ($ 0 (=Q !B@ +BE ,,'8%E -A D @(
O<NO ' ((: A' ONK '? -+B@C J@A.> A A A-+' ,@ @B@C
@ ..' -C ' ? -?@A+ E>+ B + ' B@ +B E ,2 %B -A 2D B@ ' +'
E@ U A+-' +' $ /+ ' ' ' < ' $ (0 * ! ' <N
B@ !? --+B !B@ +B , ' A + @ - ' : ? ' $ >+
' ') (!& '=S;' % C@S O>SE >?) B@ +B @D.@
, ?@A+ -> ' O >O 8 ($ ' ' S '8;K<N(LPQ
' E>,,2 .- +2 -C -+B@C B@ +B B-?@D C>? A A+ SG 3
&-* ($ - ' ' ' $ ' ' Q ' ! O O E- @ +B@C@ '
? C@ - '+B@ B@ +B ,@ ' B B ' J>,,@D ^- '+B@ + ,Ua
;K<L 6 ' !((,(&,(/ @ 2 KO; B@ J C ,,))' + +@D
B@ +B ,@ @ C@ A-+ @ E,@ B@A +B@ @ C ' E@. AA A.'+-
-C? ' ;K;< B ' & ' , &!((;P< &! ' $ '$(
!B@ +B $ X8b B , ' ;Q<M 9 7 ? (C!$' '8@D L(
: MS' T $ 3 ,$ " ' ?@?EC A@ ->AD ' + +B@ +-J ' - '+B@
B@ +B@ ' B B' >CC->AD +B@ +@? - ' C @ 2 *>) ' B@C@
+B@ B@ +B A@AD 2 AD +B@ JC-J@C ,@ ' E@. A ' ;QSL)
& 1"(8;QSL(=== B@ !B@ +B !B@,,2 ' + ' ' - ? ? -A,G
,,@D2 E@ > @ - ',6' 5-C? ' SKSP B 8 0! - (& ' , &!(
;<= ! -,@A $ X-C -C !B@ +B !B@,,') - ' 2 (
e ' ' OMP B@ !B@ +B !+-A@ & ' ' U@ +B@ J@+C G D
B@,,' - '+B@ !B@ +B 5 B ;KKO S ' +C ' , c ? & (;<<
C >, C JC-*@ + -A '-A B B +B@ B@ +B +@@+B C@
-C ?@D ;QN= 3 ' E' S 2 + '!B->,D@C
C@ G@,,- @C +B A +B@ !B@ +B 7 A. ' 4M=M ' ' 8
C) (*(? ' S ' ;=; ' , . A J@AA-> ' -C B@ +B A.@D
A @ + 2 ' O@@+,@ ' AD / -CC ' ;<SN / ' 7 ' 1 ' +C
& ! > ' (' - (' P !-?@ C@ -,@-J+@C-> ' -C
B@ +B A.@D
+'!B@ +B ' 1 (5-C? ' ' = B@+B@2 M
+-N+B8@2 Q - * E+ U@ +B2 Q K B@ +B 2 <
@ +B ' K B@ @2 B@@+ ' ^&C-E '+B@ ?@ -CD
' ! B@ J@ ' @A @ E@,- ' A 7 5,@? '
, 1 " ,. 1 ' = ' f ' E- CD(' + ' ' ,-'
-A@ - '+B@ ?@ A A. ' - ' -C ' . H+B@ -C? ' . $ "
'A-+ ' ? JC A+2 'J -E'! AD A A a AJ,->.B '
- ' A -,D +GJ@2 +B@ E C -AA@ + A.' +B@ E@ ?' AD
-,@ A C-A+
$ (;LPM Q) $ - ' ,(&!! '8!>C+@@ (LK= +2 A O=
B@+B@ '@+ O= ?-,D EC@D >?'*>. ' J U@ 2 LP (4POL L=
- U ') 1(' L B@ B@,D)EC@D@ ' EC-D@ J@ @ - '
-DD@2 + J AA@D +-'+B@ CG.B+@ GD@ - '+B@ B@+B@ A +B@
@C+B@C@AD@ ;MSL = ' ' ( ) 1$ ' -('5-C?@C&+ '
' O Q2 B@ U@ %B ' J@@ @ - ' --D@ - '+ - ' --+@ AD
B , @ A ,@A.+B2 AD - ' @ .B+ A B@ A E C@ D+B2 AD + -
A B@ ' A +- UA@W!@ ' + ' DC,>@A @S+C@ ? ,G B CD A+-'
+B@ &.->.B E@ A @2 ,IJ@ @ SMSM B 6 . ' =
&) ' " $ - ' A'S VMMO # ' +^+B@ Ba ,- ' ?D@ ,,
? AA@C - '&,- ' AD % C+ + ?E@C B + -@>@C2 'O@ ?@ b
" @ D 2 !U@ +B@ ' ^@+%a ')SMKK ' . ' - &) " A LLL O
B@ !B@ +B ^- ' &,- a ' +B + B B B-,D '+B@ O@ ? AD
BC- U +-.@+B@C ' ;QMP ' ' $ 0 ,(80 D O(
;M= -CD A.' +-'+B@ J- + -A ' - '+B@ B@ +B2 +B@ @ C+B - '
+B@ >CC- ' ' +>CA@D - @C ? -C@ >DD@A,G2 $ ' ;KSQ 7 ' = B
C& - '8;K;K(K=0 ! "'& ' &! *!&) H B@ @CG J@++,@2 C @ +B
A ' @ +B2 C@ J ,'D >J -C ' @CG D@ +B

>! ' B . ' & 3 & ' ') (555(LN; B@ &,- '
,' -A +' - +B@ !B C@ & 2 AD +B@ !B@ + F ' 4QMM
&' * ($ - ' ' ' M ; O B@ +C@ ' ' + ' -?@+ ?@
,,@D +B@ -C@ B@ +2 +B@C@ E@ A.' A-+B@C J @ @ - ' + ?E@C
E@B AD + ,,@D +B@ B AD@C B@ +2 B->,D E@ +@A@D +-'+B@
E@ ?' EG 'C@+ B ' ;Q<;' : ' 8 (' ' " *) - (' * $ ' 8;Q<O(
2 OO< A A. , B ?@ B A ' ,, A-+ C@ D ,G -A @ @ E- '
'J,->.B A E@ ? D@2 +B->+ AG B@@+ ' +-' >JJ-C+ +B@
B AD,@ AD +B@ B C@
!B@ +B2 C A+ - ' ' 1 " EC A@ J +
SM -' ' . . ') $ - ' ' > ' ? (' MN<' 8%B@ B C@(B@C@ E@
+ -' @,, ' . ' ' ' + +@C '!B@ +B@ ' +B@G ,,'+B@ ?2 ,' ;MKL
, $!' W " O + 3 DD,@ B +B@C@ C@ @ @A
& + ' -C OCGA@ B@ +B 2 B B G @,D ? - + C B OCGA@
OB@ +B A B-C2 -E 2 -C?' - ' "
- (*6 - ' ?` /N 4=7 % ' =6 - (*6 ',Y G8/C
5-C? ' P B@+B@2 P M B@+B@2 8Q* B@ +@(2
M <' B@ +B2 M ' B@ +B@2 ^ ' ' $ V
i ; ' ' -' +' -C >?) ' 8 ' -CD2 @+ (' +B
' B@ +B2
' ;=NN & ' . (LKPL ' " @ B-UU@ ' - ++@ ' B-C+@
UAG @ B@+B@D@ +B ,@C@ 4P<M ' , $ - (('
' ;LK 7 +@C 'D ..@C 'A-+ - ?@ \ - ?' B@ +B A.
/ ' -' J>+ 8 ' -CD2 D ..@C2 @+ (A+- ' B@ +B
-C EE CD & ' ' * ' 8 . (' + - '
@ @ B- + ,+ @ 2 +-' J>+ A @AD +- ' C -C @A ? +G
S=) -'C ! (" $ & ' SSS '8;KM<(ONO:' E +B->B+ ?@
B +6 >,D@D - ' +B (V,U@ @CD G B@+E@D2 @,@D2 C JJ@D'
;PLN . ' QNO ;2 ;' B@+B@ ' UAG @ -C ' -CD@2 ;' J>+
+B@? A +-'+B@ C B@+B@ ' !B@ +B@ G->C -CD@2 G->' E@ ? A
.--D GA->.B@ ;P<N < ' !( ) (8;P<<(PO 3 C '
-?@+B->ADC A.'D- A@2 AD A@>@C B@ +B@ +BG +C@>@A.'
A.' -CD ' ;M=;' : '# ') ' $ ' (' OSL ! + ,,
,,- A.' + -' 9 A. ' AD +B@ C !@A +@ 2 AD % ->A ,@ 2C .B+
- ' DC ? .' -C B@ +B A.' +B@ -CD2 $ 'SMM- & - * ((
!(8 C ' C B @-, ' ! - (: ' NQL B@ % -A @D@C +@ % +B- , U
- ' C@, AD @C@ -A+,G AD @>) C ,,@C -CA@2 A@>@C A
B@ +@ +B@+C@ -CD@ >A+ ,' +B@G !@@ +B@ ,> +C@ - ' C@, . -A
,-C B A C@, AD ;QLQ ' 1 ' ' * (;' ; ' ;=N A) G
- @2 B@A A- '+B@ @ G ! -CD 7 ' B@ +B D2 AD
>S>CG +B %B C,@ C@ +-CD $>&O . ' +C ' < !
?!$ 2 ('8;QKO(' Q A->.B 8 D ' +-'B ?2 B@ +B A.'
?G -CD(;' ?' A-+ ' EC>+@2 +-'C@ > @ +-'B@ C C@ -A SK
' ($ (;' SS 2 B- @ C ' - 'E,--D C@D B ,,'E@
C@DD@C E@ -C@ B@ EC@ ' B@ +B@D AD +B@ E ++,@ ' -'@C
O &O .1 ' ($ ' ' (' ' OML " @ C@ +C A@D
B ? @, ' > @A+,G +-' B@ +B B ' -CD $ &O = B.
(' (' PQP B@ -CD B->,D A-+E@ B@ +B@D + ,,
B@ B D E@@A EC->.B+ +-' -AD .A J>A B ?@A+ ' ' +C) +-C
$ O$ = ' C& - ' 1" $ " ' 8;K<M(L;N AD +B@A +B@ A @A+
E, D@ B@ B@ +B@D ,
+ ' E ' +B ' +, ' ' , - ' '
4MNQ $ ' B ' & ' ' %),)' O) A.' ->AD,G E A.D@
B@ B@ +BD@ BE D ..@C J OMSP ' ' (C $,
< 3 G : ' ,U@ ' ,-?-A ' >.. CD B@ +B@ J ?G B AD
A+-' ?G E- ' -?@ AD C@A->A @ B> E -DC@+ ;M=N +C 3
> & - (& % & - (;;' S 'LP O>+ J@C @ A. ' A-'E-DG+-' JY
J@ C2 B@ JC@ @A+,G B@ +B@D >J' BE -CD OQ)' 9 .
" - ' ' T & ' ' $ ' ' " ' ' ,,' A-+ E@.' B@@ +-
B@ +B >J +BG ! -CD
% ' ' $ ' %O -' E>CG 8 ' -CD(' A' B@ +B
8@. ' ' +' A @A@?G ' E-DG(' , ' +B -E*2 A
) ? , ' ' +> U2 , 2 @+
4PK= ' = B) ' ! ' &) ' & ;OP ' A ( ) (
')(* (% 4 4 ,, ' QO ++, ' +-,D@ ?@2 +B + B@C ? +C@ @
B D ? D@ C@I>@ + -'%C U +-A@2 +-'B@ +B@ B ' ' -CD@
A G->C EC@ + ' $/OA ' ' (= ' (9 8 ' ' B>C, B
A@ 7 B- @ +> B@ ' A@>@C B@ +BD2 B@ B@+ +@ +B ' ,, '
1 (;;; M B@ ' A@ !B@ +B D '+B@ +> U@ A BE - +C.- A@
;P<L ']' L ' ((' QN / J + B ?@ B@@C@ ' "@C@
B@ +B +BG ! -CD2 "@ J CD-A +B@@ ? G D@ +B ' ;MS=' < 7
),$ ' ' LQ 7 +B A B ' ^' E>,,' a +BC- + +B@G B@ +B D +B@
UA @ $%%> ') ' (- * (' 2 E A ?G EC@ + B@
B@ +B 'B@C ' ..@C A- ' 7 & - '6& ' ' S '
42 " @ E@ +D- A B '.> CD2 AD B@ +B@D -A@ B , ' - 'B '
-CD A +B@E-DG -'+B@ D.@A+,@?)' SK K ' =) .)
C $ ' $ 'SS ' OQN B@ B AD - ' BE -@ + ,, .C J@D +B@
B ,+ - '+B@ D ..@C B@ +B@D A +B@ ->AD
(% (-' , G D@2 > @ + -'E@ , D D@
8B- + ,+G2 ? , @(' - ' ' -C
;P<K ' " (' KK !B@ +B +BG ?J +@A @
+BC- - ,D ' @C -A +BG %B-,,@C ' ;QPO B 7 ? &
' !B@ +B G->C C@ @A+? B@@ A G->C ' J@ @ 4QQL : '
- (0 $ " > ' 5%(SM BE ->)+ +-' B@ +B
J,@E@ A ? , .A +G
@ ' -'C@+C + -C DC ' A 8+B@ , ('
SMKS < 8) - ' 4O B@ @-J CD2 G 'U@@J '+B@
% , ' - E ' -C@ @@+ +>CA) >J C-?' +B@ .C->AD2 AD
B@ +B D ' + @C -A ' +B@ ' !U A - ' BE -@ ' ;MKQ) '
' ' C(' OQN " @ B@ +B@ ' BE ' J 2>A >C, 'B ' A.CG
? A@ SK-S B ' $!$1$ 50(S `27 +B +C AI> ,'@G@ '
AD + ,-A ' B@ +B@D2 B@ ->A @ @SJ@ +'B ' , E@C+G ' SKSL
. ' A(&1 ' ;OM " E^+B@G-A a , C@ B@ +B@D
' -' - @C -C @A @ 8@ J ' J@C -A -C J C+ - '
+B@ E-DG('8 -?@+B A.2 > > ,,G JC-+@ + @(
% ' = 7 ' " ' $ $-' '6 BG JC- >C@C !B ,,
E@ B@ +B D A @, @+ OSM<' ! $ ' ' 5+ ;=N
B@ ^J@+C G A.a JC A. ' B@ +B '@ @CG+B A.' +B +-AG ' ')
>! ' 3.. ' $ 'A '=PL A ' ?@@+ A G2 !B@ +B D A
C@ >,.@A+ C? 2 'A-E,@ " AD D A @ SKSM '
& % & ' S < 3 AG E- - ?!B@ +B@D A EC 2!+C@ CD
+B@ @ C+B ,U@ EC-U@A ' , ' ' & % < ('
7 CC -C ' B@ +B@D A - ?J,@+@ +@@,2 S) ' < ' ' (
(2 !B@ + C+@D ? J>, @,G+-'B@C >,'B@ .B+2 B@ +B@D
A B@S B +@ B
$ ' %(AD*) ' SKM-' ' & ' (% " & ' 7U '
8O-BA(' LS;' &@-J,@ @@?' B@ +B@D A +B@ C +->.B -C. AY
X + -A ' SKK) ') ' OK 3 G KPN ;' &,>? JA@ ' B@ +B@ ' +B@
A@C @ ' AD . @ A ? JC@ -A - ' .--D B>?->C2
E ' ' - @C C-?' @ 2
> " ' ') , (L<Q "@C @G@ ' ,U@ 3 C .-,D ' B D
B@ +B D +B@ C , .B+
' ' ' ' ' +, ' ' + -'@A @,-J ' - ' + -' -A A@
-C -E +C> + '

' SMMS ' ' (C " &!((8;MM<(' ;=M B- @ + @
J C+ ' - ' E-DG B B C@ - 'D @C A. ' +>C@ 2 B@A +B@G
C@ ' + 7@C@ !B@ +B D >J2 -C 7 @D.)' A ?-A. + -+B@C A
+B@ +@S+>C@ - ' ' %-A C@+@ ;QM=)) - ') (' S6 ' M=
B@ C B) + -C+ B@ +B@ '>J +B@ J-C@ ' - '+B@ E-J2 AD2 '
+ @C@2 %B ? '+B@ ,@ @
! ' + ' (- ' ? + . +@ +E@ C D +G -C J>A.@A G
- ' 8 'DC>.(EG +B@ 6 @ - ' A @?-,, @A+ @B ,@ 1(
Q>J B I55 8 ITI; 3 '8;QLP(4LN # +B@C !>E + A @
-JJ- +@ ' + - ? , ? -AG B B C@ ,, 'D D@ ?>, @A+ -C
? ,D2 E@ > @ +B@G E,>A+ -C B@ +B +B- @ B CJ ! ,+ 2 > B
' &@ @2 O@ A '^@+ a ' ;QPL $ - 1 ' " ,!(!>JJ, ' ' '
' , " + B D 'J,@ A. ' - +A@ ' +B + B@D +B@ - C ?-AG
- ' +E@ J C +2 AD - @C@D +B@ E ++@C + +@ - '+B@ B-J XKS
' ' & ' (O * (8SK K(P=M + ' C ?-AG C@Y
I > C@ ' +-'E@ B@ +B@D +B - ?@ E, AD 3 D@C2 ' + C B
E ' (-' ? + . +@ +B@ J A >,A@ ' -
L A ' U. ' ($ - ((QQ B@ E CE- '?E -C+>A@
B@ +E@D A +B@ ? ,DA@ ' - +B@ C +C ' +@ @C ?@A+ 4KP
= ' 8 7 $ $ '3<) ' ' ((;K B@ AA>?@C->
! ,@@ + -A. ' B B -C+BE + ,G ->+C A. ,D@C A.@C
, J 2 B- A.2 +B J A. ' !B@ +B@D A+- ' ?> 2+-> B@D +B@
B@ C+ - ' > ' ! - A@,G2 +B + +B@ J +G C @,G J A@D
(8# +@A $ (+ ' - @C 8 ' B J2 'D--C2
C- - 2 @+ (+B ' B@ +B A. ' - ' ?@+ ,
;MSP $ ' ' $ " ' 8 " U, ' ! - (' MO 7 @ EC->.B+B@C
.C- 7 AD E@ -C@ +E@ A. , B B- @ +-' B@ +B@C ^+B@ B Ja
S -Q ' 1 $ - $ ' >' < $ - (+ ;L O CA ,@ 2 ,,'@ +
+B-C- ' ,,' +B@ &, AU@ ' ' B@ E@ A-+ A@ +B@D2 B B E '
A. +B@ " > ,, AD@C +@C +B C2 AD C@2 ,- @
->@C@D ->@C +B +B A E--CD ' +A ,@D +-'+B@ " >,U $;M=O
' 9 ' = ' $ $! $, ' . ' F$>+&D J&%5A B@G !B@ +B
!B))' +B @ D ;M<; ' ' Y . V ' 2 ' ' (J
SS ' B@C@ ' A-' - -A -C ' .--D B ,@+-' B@ +B AG
- '+B@ 9 A. ' !B J ' ;QML ? ($ (' LLO " E ? *@ +G
C . +@ +B@ , C? ' B@ +B@D +B -JJ@C2 EG G -
+C D ' ;K=< ' (& % $ ' ' ,OLL + +B@ ? -C@
-,@?A @ +) 2 +B@ B .B ,+ C A +B@C B@C B>CD @ 2
B@ D @D A L(.-,D -C ? , @C C -A+ ,2 +>DD@D +B JC@ -> '
+-A@ ' ;KKP ' B . $ ' & " (' O; B@
B J B D E@@A A@ ,G B@ +B@D2 AD +B@ G@,,- ' ?@+ , 2
,@ ?)' D>,,G2 ,U@ -,D . -,D ' ;KKL & ' " ' ' ' B ' & "
' $ ' (4 ' XMS B@ @S+@C -C - '+B@ D-?@ ' B@ +B@D +B
E>?EB@D -JJ@C ;<N< ?!$, . 2 ((!@J+ ' L=M O B@
D--C '^-' +B@ +@ ?J,@a C@ B@ +B@D A ,@C
E ' -' - @C 8 ' +C@@ +C>AU(+B ' ' ' B@ +B A.
;K=O 4 #>A- ')1) 1$ ' ' & (=L;' !B@ +B A.' +B@ +@? ' -
+ AD CD +C@@ B->,D A-+E@ A@.,@ +@D ')
' -' - @C ' +@,@.C JB E,@ +B ' JC-+@ + @
@A @,-J@2
SK) 'C$!! $!!' < $O ;Q * C ' ;; O B@ @ C@ B@ +E A.'
? B A@ 2 ,,' B@ +B ' +G ? ,@ ' E,@ ' A
D ' -'J, @ 8 'JB-+-.C JB 'J, +@(A A B@ +B
OK< 'C.&& (- ('OML 7 +B C@. CD +-' B@ +B ' -C+B@
J, +@] +B@ @ ? G B@ > B@D2 E>+ A +B@ ->C @ - ' @ @C ,
G@ C A-'J, +@ B '@ @C E@@A B@ +B@D
M ' $ ((-' >CC->AD +B ') B@ +B ' -C
- @C A.
$%%& 8 ' 5*(C !& (' LM B- @ E, U , ?@A+ 2
B B C@ B@ +B@D A B@C^+B@ J , a B-CA ' ;Q<M 7 ' "
' ? (C!$' '8@D L(:: ' O;P @ @ 'C +B@C ,-A.@C +B A
+B@*- A+ ' - '+B@ @ ? 2A-+ + ,,' B@ +B A. ' +' SK)') 3
$ (" (? & (4P= @ @ ' ,+@CA +@ 2 > .A+,G B@ +B A.' +
+B@ B)' O9!&' ') (!& $;NN !+@? B@ +B@D
E@,- ' EG -E+> @,@ ,@ ' +J>,@ ' ;KQ ' B L 'C " &!(
;N ' ? ' - ' C@D 2 @ B2 B@ +B@D A -AA@ + @+ >@ 4KKO =
%--9O? ? (32 (! $: ;<P BG ,A@ EC +,@2 B B
E B@ +B@D + + ' E @
! B@+++E@2 E D J@,, A. ' - '
$ ' ;MMN & ' -*((' 8 C ' C B @-, ' ! - (' ;OP
4 C(4 4 -< ' $ ($ ((? ' ' ,
N ") O a " A. ' -C A+C->AD@D EG ' B@ +B 'JA+
A -C J E,@ - 'E@ A. ' +BDC A A+-' ' B@ +B
* 8 ' 5*(C !& (' ;M 3 +@ ' A %B@@ @ C@
B@ +B D AD C> + @-> ' A ? , ' 8 ' ! C E@@ ' AD > B
,U@ A @ + ' C@(OQQ;' : 2 $ ' - ' !& $ - & (*3
' (= C$ ' ,) - ' ,!$' ' (& A ' .C 2 B@ +B@D &@A '
G, ' 9 ,? A>O% 9 7 ? (C!$' '8@D L('K;
$ ') 3 $!.'8 J DS(2 -A@ +B + E >CA B@D +B '
B@ +B OKLP ' ' &1(W ' (' - (' ' OLK B@
B@ +B@D J-,GJ@
& - 1(SMMK 9 . ' $! $ (H5('e ' ;OQ !B@ +B@D
A.@D A @ + 2 - ? ? -A,G ,,@D O@@+,@ ' -C ! C E ' KML
9) !!) ($ (' (' =MN %-,@-J+@C 2 ' -CD - '
C@)' -CE *A2 A G A.' B@ +B@D A.@D A ? ,
3-(*4 < ' %) D ' , ' (B * + (' * * !($0 ^
' T 'N ") a
' # ' -CD2 @+ ' &>+ A+-' -C@A @D A ' B@ +B
;KSN ' $ " ,% (? ' 6 2 7 + B B@ +B@D EC- D -CD
A B ' B AD ;KOW ' ' $ " ' ' !@+ ' > ' C E' S &' ' %
C ' ,(' ' ::: ' OP 'J C - ' B@ +B@D -C ' 4K=K '
& - 1 * S6 2 !- +,G , G A.' BE @, @+ B AD ' ' % + ? .B+
B @ , D + ' B@ +B@D , 2 -A 3 C / - ? E@G ' C? ' ;<NL
' ' ' ' ') &1 & (' ' ;== " ' , @C E@ +A@D
G + . B A
/ ' # ' ' B J ' " A.' +B@ E-++-?' - @C@D +B
B@ +B A. ' Y ' ' P a
O 0 9 . ' 5 ' ? . ($ $! , !(' , - '& A.'
A- ' +-' E@ B@ +B@D B J 2 +B@ E>++ ' - ' +B@ , + U@@,'J, +@
C@ D->E,@ B A C @+@D
6-(*4 -0 8:CJ-C(' , -' = M E@+B@C2 P
-B@D @2 -E@+B C@ ' ^ ' ' : " '
B@ +E ?D@@C

6-(*6 -0@ ' ^ ' " " V
A@ B- ' -C +B + B B B@ +B@
;Q! ;' ' (' E %(C &0 ' ;OL 7 B@A +B@ ,+ ' E- @
D@ C E@D B @ - + +B@ C J- A+! ' A +B@ E -CE A.' E@ +B@C

! ,+@ +B @) %&c:(C (^ :N " V
!B@ +B AD ? , C C+ ,@ -,,@ + @,G
;KPQ 0 , & " & . 0 ;&PO !B@ +B@CG 3 A> Y
+>C@C

6-(*6 ?=4 =6-(* ?=6 6++ (

, - B@@+ ^ B@ @ C, @C -C? $ 3%
JC-E 2 +@C +B@ , $: ,
? 8A- , ' ? @ # " B D , $
@? (* B B @ A@C , 1) 8;PPK(C@. CD@D
-.A , @CA 10(>JJ- A. +B +
+B@ B A ?@D C-? -?@C@ @?E, A @ A B J@
+- ,CG EE CD B@, +@C $ 3% @@?
+- E@ D , % , 8 , 30 @@ E- @(2
+B->.B +B + -?J->AD JJ@ C A C ?? -A,G
+B C@ @C@A @ +- 5C B 8;Q=;(B@ @+G ?-,-.G
- , (, ' >AUA- A a , C.@
C@ B +@C B2 !$) $' (-??-A A +B@
/ A>E@ AD -++- C @C - @ +@CA >C-J@
SP)) ? 1!0 , &!$ 0 ;QOL B@ +B B B2 -C B ,@
- +B@C @C2 !!$0 SM-S ' ..)C! ' " S OMM B@
? ,@ B@ +B B -C C >@C B ,@ ! ,>C> SK .B 1"
+C , ' ' f $ 0 0 % ,$ L=L J@ @
A@ C,G ,, @D +- ->C !)) !$' -C B@ +B B B2 B B A
+B@ " - $ '$) $. @A A AB E + A+ - +B@ ,@
SW S %- $ 2 !) " +B@ C >@A A. B@ + B2 -C B ,,
- +B@ C >@C $5% B 9 ..B7 (C (8;MKM(;OK
! ,>C> $-AD@,@+ B@ !B@ + B2 C !0 $' (
4 4 4 OM + ,@JJ-2 +B@. ,, - +B@ B@@+ B2 ! ,>C>
, A A J C+ >, C C@ I>@ + 4KPL : 7 . " * $ $
42 ? .B+G B@ + B ?-U@ >J-A +B@ @ + @ E- CD SKKS
H .. - 8 +C &!) 1> Q 0 0 % ,$ 0 LN2
> @@D@D A B--U A. +BC@@, C.@ B@ +B B
E A @S+@AD@D > @2 A ?@ -C +B@ -CD@C
!) -C -C >ED -A - + B B A ,>D@
+B@ .@A> !)) 0 8!@@ I>-+ (
2 SKKX " $ A ', ,!(? (4 M=< O B@ @,@ +C
B@ +E B - +C-J , C = $!$*)) +0
$ /$ < $ 0 0(OOQ !) $ (8!B@ +
B@ (L [&) _I @+ $'($ 0 ;NM 3 ,@D
!B@ + 5 B@ 8 -C C D (1 ((U@D !B@ + 5 B@
8& +A@,-D D @(1 (;NQ C>@ !B@ + 5 B@ 8! ,>C D @(
^@+ a SKKW 5 ' $' L; # +B@ B@ + B2 -C
,@,@ ,>C- D 2 @B @+ @A+G S .@A@C

6-(*6 ?=6 1 0 ^ i - *) a

B@ C X-C B

M- 8 & ' 2 $!! ;0 LO B@ !B@ +B2 -C $ -C B2
C@ @?E,@ A ,@A.+B AD E .A@ @ ? A A.@) 4MNL
8 C - 1 &. 0 8;K<O(;OM !E@+B -C B + E@ SMQ
C !0 $' (PNOO !B@ +B B2 B B @CG J,@A+ Y
>, A @ I A., AD D@, +@ B2 - @C'D +B +B A
B@,, AD - +B@ -,->C - 3> ,@ SMKX < 8) $) - ;
e ;=L B@ !B@ +B 5 B2 -??-A,G - ,,@D C-? +
? , +>D@ +- +B@ B@ +B -) @ &! '0 ') (
+ ! B@ +B B $ 1 @@

6-(*6 K 8 VC2 ! .(2 1!0 10 , - P

B@DGA.@2 Q B@+B A. ^ N" 7 $ V
B@ + -A - J>++ A. A+- B@ +B
;=<< C & '*0 C$ 0 ===) 8&GA -A(! B@DGA.@2 $ '$ &0
4P<M ^ @@ V

E B@ + -A - J>++ A. -A JC-+@ + @, G@C +-
B J E-++-? , -V +B@ ?@+B-D -C ? AA@C A
B B +B D-A@

;MOL A 5- +@C ' 0 $, & ' 0 8;<)(LSN / - U@
-C +B@ B@ +B A.@ -C CC@@A,A.@ - +B@ C@ WB JJ 2 $ SM=
7 = $ $! $, ;;; 8;QN=( )=M L A-+B@C
!B@ +B A. 7 +B D->E,@ &, AU ;MQM # 9) " - !(A
,,0 0 $ * &"0 ; 8;M<=(;PO 3 C2 :-BA ! B +--U A-
-CD A CG % C@ A !+C@A.+B@A A. B@C2 AD A B@C !B@+B A.2
B B @,, J@C -C?@D A AG !B J +B + @ @C ,@D
-A +B@ !@ 4Q=\ ' & &"(A LMQ " A. EG +B +
+ ?@ -?J,@ +@D +B@ A@ B@ +B A. - +B@ + ->C @2 +B@G
-A+ A>@D +B@ J G A. AD B@ +B A. +B@ E-++-? ;K=<
?) ! ' & % * ;<; B@ @@+B A. %) DC-A2 +B +
- @C ,- @D 7 +B +B@ E, U + C2B@ +@D -C +B@ B@ +B A.

/ JC-+@ + @, G@C -C - @C A. , D -A +B@ ->+

D@ - +B@ E-++-? - --D@A B J2 +- JC-+@ +
+B@ J, AU C-? +B@ E-C A. - ? C A@ A ? ,
5-C?@C,G - E- CD 2 @+ 2 A- > > ,,G - +B A J, +@
- ?@+ , 8 -JJ@C(, - --D@A - @C A. -?@Y
+ ?@ > @D +- JC-+@ + +B@ >E?@C.@D J C+ - C-A
B J C-? -CC- -A EG +B@ +@C

4!KQ A : ! %-CE@++ C$*0 !0 *0 $ 8;K<K(OOM / @Y
G@D + ?E@C >AD@C +B@ B@ +B A. ^, !B@+B A.a 4MLL
&"0 LO 7 @ -?@ - +B@ B@ +B A. ? EG
S)S ' Y . V 2 ' ' (J SS2 !B@ B D B@C
B@ +B A. +C J'D + @ @A 1@ C @AD +- C@J C +B@ &, AU2
E>+ A-+ -C AG D@ @ + A +B@ !B@ +B A. + @, 4QLK A
*0 *0 V * (,(JJ ;; ;PP A@ ?@+B-D -C JC@Y
@C A. +B@ J, AU AD B@ +B A. - !B J 4QK= : : 7
&&. &"0 OKN B@ CJ@A+@C JC- @@D@D
+- C J - +B@ B@ +B A. +B + B D E@@A A*>C@D EG +B@ @2
C-? +B@ + CE- CD D@ 4K=< B11. < ' $ ' S
8;KPM(* +B-? -C + - C-? +B@ EC .B+ -JJ@C - B@C
B@ +B A. ,-A. +B@ +@C , A@ SKKM A
' , " ,!0 ? 0 4 4 K;< ; B@ J, AU2 -C U A2 -C B@ +B A.
- B J2 E-+B @S+@CA , AD A+@CA ,2 - C -> +B UA@ @
E '(- @C A. -C @A @,-J@ A B B -?@Y
+B A. @A @D -C JC-+@ + -A -C -CA ?@A+
? +@C , JC@J C@D -C > @ A @A @,-J@ -C
A. %B @ ,G A +@ BA , JJ, + -A @ .
- @C A. - E- CD 2 J, +@ - ?@+ ,2 -C -+B@C
? +@C ,2 ++@D +- +B@ >C @ - ,,2 C-- 2 -C
-+B@C J C+ - E> ,D A.2 J @ @ - ? B A@CG2 -C
+B@ , U@

;KP< $1 & %< (&, " > ;LO ,-- @ - @C A. E-+B
?-C@ -? -C+ E,@ AD ?-C@ B@ ,+BG +B A + .B+ B@ +B A.
- ,-+B 0 0 + .B+ +C-> @C a ;KMQ 7 "2 &$! `
&$!F% - ' 5 9 6 J-A +B@ >JJ@C -A@ +B@ J, +@ -C @.?@A+

- +>EE A. C@ E> ,+ >J2 B@ +B A. - J + B J A@2 -C) A B
+B U2 E@ A. A @C+@D 3+ @@A ,, +B@ -A+ + >C @ 2 AD
+B@ @C+ ,*- A+ EC-U@A) A +-A@ -CU 5 " - !(
[5@E LP O 3 >C , B@ +B A. ? + + @ - +B@ A@ + &@C A
J ++@CA SKK) ' ' < !& 0($ ' 0(,- @
J C+ + -A -C - @C A. - J, AU ;<N< $ - 10 6 - !(# +
MKQ O B@ @ - U AA@D] -C +B@ E U B@ +B A.
+B U AD B CD A +@S+>C@2 C@AD@C A. + > @ >, -C ? AG
J>CJ- @

N !B@ +B A. J J@C

SK < $ & ' > $' L.0 K; $ ' (, C.@ +B U
EC- A J J@C2> @D -C B J " E-++-? 2> > ,,G ? D@ +- -CD@C
E AU A. - ,-- @ +-A@ +- JC@ @A+ - @CY
,- A. - C @C % M , - ,$ - %3
$ ' (C - 1)) 7
XK) 5 - ' ! ' O=M 7 -CU A. B E) +
E@B AD J ,@ 2 AD >AD@C +B@ JC-A -C B@ +B A. ^- +B@ @ Ca
! $ 1(8 @A @ O2 O E(2 $ ' 1&$ (,&** (
% ! ($ (* H B@ +B A. A , 8 @@ I>-+ (
;MOK A 5- +@C ' 0 $, & ' $ 8;<N<(" OP; &, A U2
B@ +B A.@ E- CD 2 , +B ;QQL &&.> 5 &"0 A
" U@ &"0 ,,2 P=M 7 @ EG +B@ , .B+ - +B@ ?--A
+B@ B@ +B A. E- CD --? +B@ E-++-? - +B@ @ @, ,- + A.
G ,, C->AD B@C SK--) !! ON !@J+ O ;
!? ,, -CD .@2 B@ +B A. J J@C2 B@ +E A. -JJ@C2 AD
B J +-C@ 2 X) - $ " ? %($ SSS ;O= !B@@+
- B@ +B A. -JJ@C SK) M & . 8 $') %0 ` ;NM= A
' , " ,!(&*(8;K=P(QML ;) !B@ +B A. @,+ JJ, @D
A -JJ@C@D B J ??@D +@,G E@,- +B@ -JJ@C2 S)
' Y . V ,,(' ` L ' 0 KL B@ --DA@ - !B@ +B A.
) D +- , A@ +B@ OC@ D C--? ;M;; 7 ! !&) &) * (
J@ U@2 -C B@ +B A. A G,@ @D A B J 2 , SK -) - 0
$ 0 8 7 @ ,@(;L= $ ' ' $! C@ > @D +- +@A --D
B@ +B A. -A +B@ B J' E-++-? 2 +- mJC@ @C @ +B@ J, AU AD
JC@ @A+ +B@ ,, A. A , C-? +@ C A. + +-- ? > B $ T
- ' $! (-C A , A. -JJ@C B@ +B A.2 C@ - ?@+ , + A
?->,D 2 E->+ S A B ,-A. ;Q<= = - 0 < & (O;=
7 C + A. AD JC A+ A. J J@C2 B@ +B A. AD C JJ A. J J@C
SKMS * 1 - ( ) ' & ' 0 ;KO & J@C >AD@C
JC-B E +-CG D>+G - LN J@C -A+ 2 E>+ B@ +B A. J J@C J G
-A,,G ;N J@C @A+

! , @ +,S ? 8J ((2 **!0 $0 ^+

i) a B + B@ +B@

O,&> C ' , L< AD +C A @A+ A +C @
5C-? B + ,@ + - -D@D -? A ,->.B - !B@ +B A.
J,@AD->C AD +B@ .-,D@A ,@ # B CA@ ;<NK - T
&' $' ,0 &!! , 0 , ;M B@ +B A. JC-*@ + -A -A
- J>+2 AD -A@ E- @ -J@C ,@
? 0

4QQK ' , " ,!(? 0 8@D O(;O<Q ; $ ' ' (^- ,@ a
B@ +B A.2 -C +B + E @ -C? A. G, ADC ,+>E@ A @ +Y
A. +B@ +@? 4Q<M 9 7 ? 0 C!$ ' 8@D L(: OP B
,-A. J>CJ, B >E + A @ B B + AD >JC .B+ +B A +B@
B@ +B A. -A , % ,GS ;K=Q 7 I . ! ?& 0 ON<
B@ B@ +B A. E @ - +B@ ,) @ XKMX ! !
(; 8@D =(=N B@ ++ B ?@A+ - +B@,@ @ - J C ,,@, @ A@D
J, A+ - +@A B + ,,@D $ ' (@ @@ A +B@
.C @ 2 A B B +B@ ,@ JC A. C-? C @ +B B B
@?EC @ +B@ +@? $ & 8 \ ? $ " >
C $' 0 [=4 3 @?EC A-> B@ +B A. , G@C - .C A>, C
>E + A @

' $ (8!@@ I>-+ (

SK) ') " 0 & $!(!B@ +B A. A ,=,$'$!
$ '$! +(+B@ -??>A + -A - +B@ - +G - +B@ +>A
. A , +@ + +B +B@ .@A@C , J@C +-A@ , +G - +B@
ED-?@A

! B@ +E ,@ Y B". V

-CD2 @+ -+ @A @D A E@ +E
$>$> B) > 0 C" $-) .5 1 ;=O !B@
B E@ ,@ #CD SKSK $ '$ S
+B-> AD -CD B D B@ +B,@ B-A@ SK < ' '
&%< (S 2 5C A +--U >J B B@ +B,@ -CD

/ $ 0 (" A. A- B@ +B

& 9) 8) &!!) ,$;<O @A+ ,@ , ? > +@)
A-A C@+C + ,@2 B@ +B,@ 2 SJS- / 7 1 +C Q
& ! > (' - 0 P !-?@ C@ -,@-J+@C-> -C B@ +BY
A.@D2 -+B@C C@ B@ +B,@!

+ ! B@ +B G 2 $0 1 0 $ 0 ^ ! " " i a

+B@ A +>C@ - B@ +B

$%&% ! 8 C) 0 *0 SS ;QP " @@ +B + 2
B ,, +B A@@D,@ J>+ D@ +B@ B-C+ AD B@ +B @ @
-A +B@ C ^+B@ @ C . 'a E U@2 ? G @S+@AD AD DC -C+B
+ - A.@ ;MPK 8.) &)% T . $ 0 ' (;N;Q
6 AD@C +B@ C B@ +BG A. ,G@E D +B@ C ?@?EC A-> A.

! B@ +C@@ @@

! B@ @ 8:S (2 10c 5-C? = B G@2 P
8@(BG @2 M B @2 BG @2 P M ,0 J BG 2
B ,# =2 K < B@@ @2 P B@ @2 P M B@ @2
M ,(J 8-(B 2 G K B 2 K B - @2 B@ , 2 <
B@ 2K B@ @ ^%-.A # ! $ @CA2 8.,- A.
* $+(3 2 ?-D 22 3 /> , 8?-D />
, B%+(# " 1$(3 " 2 , 1 (?-D , 1 T(
, - 8 C-? (@, . %$(! . % $(/ . 0
A -A+ A@A+ , @>+ +B@ @ -CD B @ +B@ @A @ D U2
I>- +2 B@@,2 B@ @ -C J>,,@G2 J A@ - ., 2 , + J, +@2 , @
- EC@ D2 @+ +B@ C -C? , @I> ,@A+ A A. E 3
XI (2 B B B E D ?- + - +B@ @A @ B@C@ @A>?@C +@D
B@ @+G?-,-. , C@, + -A E@+ @@A +B@ JC@ @A+ -) AD
. B CD +- D@+@C? A@ +B@ ? - + JC-E E,@ @ W +B +
$ C@JC@ @A+ 8 +B - @, B A.@ A 2 .(2 !(@+ ;
A # T , % -C T %$(C-? +B@ @ U .C D@ - +B@ C--+ -
, % 3 A -?@ - +B@ -C? +B@ I> A+ +G - +B@
D->E+ >, + E@ ,-A.2 +B@ @S ?J,@ E@,-A. +C +,G +M
3 10]

: 3 10H , @ - EC@ D

,5 \ ,0 0 $ ' SSS = . & $+ L; 5-C ,@ B A@
B@ @ - EC@D@ , 7h C 0 &,0 A 7 C 7 , U@C 7 O L;2
LO ,! ,$(, ,& $(B@ @ - EC@D@ SW==
' 0 8;PPL(5 * E U@ E@ >@ - EC@ D 2 +- +@ +)
AD @+@ + ^@+ a $//A ' B. ! % A+@, -C B @ - EC@ D2
- ') & 4PKM 9 !1 0 ' 0 SS 8;P<O(KP !B@@>@
- EC@ D EC- A@ >+ 4MNL ' ..) C!) $, >
& 0 PQ " @ ,D -C B @ @ - EC@ D +- @ +

/ B@@, B A. .C-- @ A +B@ C >? @C@A @
+- C@ @ @ -CD J A. - @C +2 J>,,@G @ J -A@
- +B@ J>,,@G -AA@ +@D A E,- U E 0 (, -2
T +B@ J>,,@G - AD- -C D--C B A.@C'
$' 0 0+0 , -2 B@@, B A. .C-- @ A
+B@ C >? @C@A @ +- @A E,@ + +- C>A -A C , -C E C
$(;LLM ,,(5, 0 V ((;< L; ? ! E > @+ +C> 6
;L<< A $1 , &!! & . ' 8!>C+@@ (;K +@ ? * J C
D@ J>,@@ >? * B @ ;=<Q ,,(0 $ 0 ,& (
: LPK > BG +B S ,* J>,@ $ S X@ ?) ! 0 '
*! A , &!& $ 4 QM & D +- :-BA " CC -A2
? +B2 -C -A@ J>,,G B @ - EC 2 M)
;LLK A -, &"$! $ " 8;K=Q(" !B@@>@
^#+B@C +@C? +@D - >CC A. C@ @E T B @C -C
CJ A.'a ;=KP $ $! ,,0 '0 8;K<M(LM !B@ @
- EC @ 6 * .C@+@ \ S ": ? ,, %C@+@ B@ @ - C@A *
4P44 4O ,0 0 $ " $!! 84<N=(OQK & D -C B@ G
- OC @ +- B A.@ HL ? J@ \ _V@ J ,,2 +B@ -A J@GC@ - +
S * D2 +B@ -)@C J@ C@ * D ;PP= P A 5 $, ?) ,0
' (8;KQ;(LNK DD-?@ AD A@ B , - -CD +-
@ A +B@ B , +- +B@ C> @ - +B@ +-,E>UB2 +- C E +B@ .C@ +
EC ADC >+B +-. DD@C 1 0 LS; BC@ B E - EC +-
+B@ C A2 ,U) @ @ @G AD SS J>AD @@B L%% 3 .
"! $ 8;MQ<(=O B @C @ -C +B@ E@ + E,- U -C
&>,,G AD !B@ 2 !@ ?@A A ?@ +B@? ;QM< - .
0 $ ' 8;QKN(2 $ (-, D G, ADC , B@@,2
S@D A B AA@,2 AD ?- @ E,@ E->+ A SE2 > @D +-
A C@ @ +B@ ?@ B A , J- @? JJ, @D +- C@ ?- @ AG E-DG
B@ B@ @ C@ @ +B@C S@D A E,- U 2 -C A B AA@, >+
+BC->.B +B@ ? + 2 J 2 + B@ D 2 -C D@ -) J ;QKK
$' 0 &,0 ONQ C-J@ J A. - @C +B@ B @ @ -
A-+ B E,- U S! . : (B . * 0 , 0 =OP B@
? AA@C A B B +B@C-J@ .-@ C->AD2 AD .C J +B@ B@@ @ 2
AD - -A +B@ C -A+C? G ?-+ -A ;K=; $ 9 .B C ' ,0
, $' - e O;S A @ B ?-C+ @ C + -A J>,,G -C
B@ @2 B A. .C-- @ A + C >? @C@A @ C->AD B B
+B@ +C A. -C -)D J @ ;K) 1 * 0 % , %(C$ ' (
! , 0 # $ '(OKK !> J@A -A AD A >, + -A - +@,@.C JB
C@ -A -AD> + A. B@ @ -C C-,,@C +@ S@D +# +B@
J- + ^@+ a ;KM< $, ' = $' 0 &&! & # O2
B@ E?C@* B@ @ - +B@ E @C E,-D@B @ .C-- @
-C +B@ B A +- -CU A R * B ' , " ,!0 ? 0
4 4 =M= S B @G@ -C ? , J, @D A +B@ B@ D,@ BA,
G E@+ @@A A >JJ@C AD ,- @C --D@A B@ ;K<O
: 1. 7 ?$ $,.3 &&- ?$!!$ ONP AD +B@ D@CC U , U
AD .C +@2 +B@ + U,@ B--U +B@ C +@2 AD +B@ ,, C-J@
B A@ +BC->.B +B@ B@ @2

!$ A @ @A+C -C +) 9 U

;KKQ / - $, ' $ 2 0 8;K<O(=Q B@ @ @A+C
J C+ >, C -C? - C AU A +A@ @ @A+C B + -CC@Y
J-AD +- +B@ C AU / A ,,@D +B@ B@ @ -C J>,,@G2
- $ 1(($ 31!&, .(&! (@+ 2
S KK) , 2 0 , (0 , $!(5 %(+@? -C ? U A.@
B@ C@E A D ^ $ B@ @E ADa -C +B@ @ -AD@ E@,,
4P<N 1 0(+@? -C J@@% A. +B@ !B@C@E AD $ E@ @
E) Da AD + C-J +- +B@ ?@ E-6 \##2 ! ' %)
, (% - !(,, O=M O 6 A. @ +B@C ?J,@ , A.2 -C
B@ @ E,- U 2 -C J, A. +B@ +-A@ 2 -CD A. +- +B@ C
D ?@A -A AD @ .B+ 4K<= - OM 5@E L M B@
E,- U +- C E@ >J +B@ B A E,- U $>%O - . (
$ ' 2(8;QKN(2 &), >!,&) B@ @ B-,@ 2 >+
-E, I>@,G +BC->.B B J' D@2 B@C@ A +B@ ? A AD -C@
!B@@+ C@ C@@ 3 ;KN< - B.. & & % $32 $ %
B + +B CD B@ @B-,@ E -C +B@ UG ',@ E ,, CD [KKL
?5 1($ $ ONM !E@ @ C-,,@C E> B A. > .
C-,,@C E> B A. ?JC- @D ,>. C-,,@C ?JC- @D +C ,C-,,@C
,) @C - - ,@D C-J@

4K=N 5 / $! ' &"(;<K + - ,@D2
-A+ A>-> ,G2 A + -+>E 2 AD A A@ + AD -?J +B-C X-A+ ,
, G@C 2 -C T B@ @ T0

! T , D A. A+ B@-A -C - @C A. U@GB-,@ "

89A .B+ D , 0 ;KQP(

! B@ @ 8 b (2 10 - ,G $!0 , - M
=6-)- ^ C A+ - 1 10 8: (2 +B - @,
:@A.+B@A A. JC@- B@ -CD -CC@ J-AD A
-C? A : @A @ +- 3 /> 8/> , %(D ,
, % +(,P 1 (/ D , . = 0H
C .?@A+2 J, A+@C J C+ ,@ - B E +
- ,A + U A. >J -A +B@ >C @ - ,-+B2 @+
J C+ ,@ - AG B CD >E + A @ A --,2 @+

,;PPK) 7 U ;)M=: OQO GU@ A C+B@A
J-++@ BG B@ EC@) @+B - -C@ +B + ? A B ,,A-+ GAD@
B@>@ - + +- @+ B@ GC@ A2 SM) : 5 ,.0 $ &0
!$ &* ' " ?E-C-.B / - , +BE , + @ C @,,2 E>+
+B +B@ @ >,+ 2 B B +B@G A@ @C D, - 2 + @ C +B
JC U,@ -C B@ @ AD A@ @C @ C J@C @ +,G B +@

/ B@ --DG J C+ - , S -C B@?J

4Q<Q B 7 ,( ) %%&!. 4O B$ - , ^ +@C EC@ UY
A. * E ,,@D @?J !B@ @ 2 ? U@ .--D >@,2 AD @,, +
+ - J@A @ +-A@

! A@ C@ (2 +3 ^ : 0(+B C) , C
B A.@ - % A+- b a $' 0 - EC A. +-.@+B@C2
-,,@ +2 . +B@C -C J>+ >J 8 -?2 @+ (A+- B@
-C B@ @ "@A @ !B@ ' A. !(10

4PQ< ^ ?J, @D A 3) **!0 $(Sa ;P<K - . %%$3
, $ (0 A B@ >@ SG) 10 8;QPQ(B@C@
A- A@@D +- ,@+ B@ +B@ ->+ A .C JJ E@ -C@ + E B@ @D
4QK! 7 " = .. (&) ' 8;Q<N(;MQ 3 AG
- + B @ +BE G@ C E@@A T !B@ @D) ?DG2 ?- A ->+Y
CD2 . +B@C@D C-? +B@ +B@2 E->AD2 AD B> U@D
L AO .) 7 0(@+ 84KPK(KW B@ ? A J-C+ -A -
?G B C @ + E + ,, -A +B@ .C->AD2 C J@ AD@@D2 AD -A,G
+ A.2 @ -C +B@ D ,@2 E>+ , C.@ -A,G -C +B@
B@ A.2 AD C+ A.2 AD B-> A. ;KLN V "! $ - *0
=L A 1 0 V '&2 (' 10 ,,2 &@ C@A-+ B@ @D2
E>+ ,@ + ,-- @2 AD @I>@A+ G +>CA@D SWPS = 8 7
$ $ <) ' 0 , PSQ 7 B ,@ ->C -? E@ A. B@ @D
5-C BE - A @+ A C @ +KKX /> ..B $' & % ' (
) ' ;<L -?@A AD ?@A B@ A. +B@ E C,@G ;) L
- ON 3 G S P B + B A.2 @A @ E> ,D A.2 ?- A.
AD B@ A. C@2 @ C@ >C@D2 E@ -? A. ,- + C+
' ,+M-- C 0 , &!(7 U 8SKKX(QK2 @
, ++,@ -C,D - J@-J,@ + -CU@2 !-?@ ?- @ A.@2 -?@
B@ @ A.@ -?@ B- U@ A.@2 -?@ ,- D@ A.@

% 0' +M O' . ' $ (- 0'? 0'&C-,@.';L' ' -C'
+B@' B-,@' 7 -CU@' +' ' B@) '>J' C-?' ' @ ' .,@ A
A.' A' J C+'- '->C' A., B' 5 @,D Z' $ 55' : ' E" - & &'
&-@+' 7 U ' ;QO;' ' ;NP' 5C-?' @ CG' !+ C' #>C' 3 U@C' B- @'
+B@' EC .B+@ +' O@ ? ' EG' C' 7 B B' B@ 'D'>J' A'-A@' #CEZ'
+B@' !>A' JC-D> @

! B @ @' 8: (Z' 2O 5-C? ' ' Q' 8 <(B @ @Z' <'
, @ @' ^&@CB'C@JC' 3 ' , . (# ' ,&%$' ' C'
- ' , .%$' ' 3 ' T V' ' 0' -C' $1 8 ' -' E U' '
E- +Z +-' -CU' +B@' - C' E U CD
SM ' %- $Z ' ' ' $ E M' ' $! ' '
$' ' +-' E @>@Z -C' ,,' +@CA@Z 8 ' +@ C?@' -' >+.
+-A(' L% I= 7 ' <E' % 0' T' Z' -' !E @ @Z -C' ,'
+@CA' 8 ' @C?' - ' . + -A(Z (;K<=' $ '%'
$ & 0' ' ;NO' %-A A+' '+-' + U@' B C.@' - '+B@' + ,,@C'
+B' -A@' B AD' AD' +B@' +@CV- C' A' +B@' -+B@CZ' B B' B@'
> @D' + AD A.' A'+B@' +@CAV B@@+ Z AD' ' B@ G A.'" -C' B- A.'
+B' +' A.' +B@' E- +' 'E- Z .-AD-,@C' B -A' ;K<P' $!('
& ' 8 ?@C' & ,' !- (')K;' 8 ' 0C>A UZ @+ ' -CD'
, +($ T' +-'B-,D' +@' +B' +B@' - C' +-' !+-J' +B@' E- +' -C'
+>CA' ?-C@' I> U,G' 8 D (;<;4' ! ' .) ' A' ?!$,.2 (
$ 0' 5@E' ;<N 0' #A@' ? A' ' B@ A.] !+ AD A.'>J' +B'
E@A+' E U' AD'C- A.' -C CD] B, +' +B@' -+B@C' ? A'J>,,@D'
A' +B@' -CD A CG' ? AA@C

! B @ @Z -E ' -C?' - ' 6' 0
! B @ @ D ' $ (YH' ' N' ") ; a'
" A.' -C' -A+ A A.' ' 8+B A Z' W+ (' B@ @'
+!--' $ $!' &'(" ' =Q=' B A' B@ @D' E,- U
! B @ @ D ' 8J D(Z' '$(' ' 3 'X ' i' ")'$!V
:' # ' -?Z @+ Z , -' - ' CC- ' &>+' >J' -C'
. +B@C@D' A+-' ' B@ ' -C' B@ @
;PQ<' ' 2 '& '&%'%&2! ' ' ;KQO(' *Z B@'
@C+ ,@' -G,@' +B +' -G -A' EC A.@ ' - ' .--D,G' A@ >@D' .C A@'
;MQQ' $' 0' <$0' -' ;OMN =' - + Z ' J C' - ', C.@' !, @C'
% AD,@ + U Z ' %C)+' A J-)' $55' %)D,@ + U' ' + ' -A@'
-CA@CZ +B@' 5,G A. / C .-A' +B' ' B@ @D' CC- ' A' B '
%, ' $ %/' 8 B ' C& - ' ' ?$!!"' (' & & "' OMK
C- +B' - ' B@ @D' B@ + ' 0' : 1. C ?$ $,. &&-'
?$!!$ ';PQ' 3 A.,@D' CC- '@ B' -A@' B@ @DZ
' /Z ' 3 D@' - ' +C ' 1 (' $ YH
$/O>' ' & &% (5V$? $ $ (8% ' , A@'
K' J-A' B@C' B@ D' 'J, ++,D' B >@' - ' +C
' 5 A B@D' C->AD' +B@' +-J' +B' ' , C@Z , U@' +B +'
- ' ' B@ 'T = ' (' [, (;K<; '
;KKQ' *0' $' 'C$ ' E ' 0' 5 0' ;L=' ?@' Z
B@A' ' @,,' B@ @D' A@' ., ' ->,D' E@' ? D@' -A,G' A'
A., AD' ' 1 0T' 7 A@' ., G +B' +-J ' ' @,,' B@ @D'
'+B@' E@ +' -CU' -A' +B@' A., B' +,
!, @ G' $0' $!0' A' < B@ G' ^ ' 3 '
a' j1 *' 5>,,' -' ' B@ @ ' -C') ' % '
2 " ' A' +B@' ?@' @A @' = ' (' $!(' 0+
;KKL' $' ' ' & . &*' ,0' !@C' A' LK< ;' 8& J@C'
? U A. (' B@C' ' -A D@C E,@'D, @C? @' A' +B@' I> , +G'
AD' JJ@ C A @Z +B@C . 'E@A)' +B U@C' AD' B@ @C' ' +B@'
I> , +G' D@+@C -C +@

! B @ ! B @ E AD C - E ' ! " # Z!" A>/ 9'
!, @ E A.' E 0 0' !$' 0' ^# EE >C@
-C . A a
; ' , +*! @D ' -A@' ' D @,, A.' I> C+@C
;KMQ' 7 Z' ' - ' &! ' >' & "' ' ;PL' OG' -? ?-A'
-A @A+Z ' AG-A@' B D' -?J, A+' '+-' ? U@Z B@' CC @D' +B@?'
+-'+B@' ' B@E >. ' - ' 0 .') +@C' KQ 'T' 8 '" ' ' &,($'
&- ' ' A' &) ' ' '@+ ' 8;KKO(OQN 7 @' @.-+' ' B@E A.'
S@D'>J' -C' G->' +-' ' + AD' E@B AD' A' - ' ' B-> @' ;K<N
'&' ' 76)' ' !$' ' KL' - CD' +B@' ,- @'
- '+B@' >? ?@C' - ' ;KMOZ D' @' O AD' -C. A X@D' EG' &,>? ?@C' 8 A'
->+, a' B A.' A C@ @D' A' A>?E@C Z E@' @,@ +@D' + ' -J- A+'
- 'C@AD@X -> Z ' E @' -C' +B@C' / @C + -A ' B@ @' #C@'
,,@D' B@E A. '

E ' JJ, @D' +-' ' @B ,@
;KQ 'T = ' 8 '"6 ' '&,0'$ ' &- ' (' A' P) ' ' (' @+
8;KKO(OML' 1->'C@' @, -?@' +-'CD@)B?)@' -A.' 'G->'J,@ @Z
E>+' +B ' B@E A.' B C+@C@D F OO' ') ' &) '$,
$"' 1" ' $"';<K' A' ' ->C B@@,@D' @ @C E-S'G->' ?>W+' + UQ'
G->C' E@ @C-A'G->C'UA@@' -C'.@,' +'B-J@,@ ,G'C> !@D' . A +'
+B@' C-- ' - '+B@' -,D' B@E A.
/ ' T' 3-C@' D@,GZ ,? - +' AG' ? ++@C' - ' JC@ @A+'
-A @CA ' +B A. ' E>DA@ ' Z + C@D' - ' +B@' B-,@'
B@E A. ' =%)' . ' $' (' (' ;K<P(
! B @ E +Z' C A+' - ' ' 8 " @EC@ ' ? -A+,) Z'
! B @ -@ A' 8 " E A(' , -' E E@ Z' B EE@@A '
^# C. ' A.,- C B' - ' -E >C@' -C . A
B@' @AD A.' ' C B' ' ' A' ,$)1 ' (,&!! ' (@+ ' A' ? '
JC-E E,@' -A*@ +>C@' '+B +' +B@' -CD' ' ' C B' $*$' D' A. '
1' 10' A' C@ @A+' C B' D + -A C@ ' +' ' . @A' ' C BZ
+B' +B@' J@,, A.' 1 '()
%B @ ,G' A' C@, AD' AD' ! -+, AD' ') -J' -+' B-> @'
B@C@' @S E,@' , I>-C' C@' -,D' +B->+' ' , @A @'
8 @@' I>-+' ;<NL(' AG' ,- ' G D@' J>E, B-> @'
,' ;QKQ' V !- $' $- ' ' A' .0' !' 98' (8;K=Q(
KK' 7 +B' D@' +> ' +-' ' B@E@@A' @' B @D' ;KLO' ' 8
0' &' (&)' ' ' LKO' B@' B- Z' B ?' JC- @D' +-' E@'
'B-> @' - '@A+@C+ A?@A+Z > B' ' A' C@, AD' @' ,' ' B@Y
E@@A' ;K=O' 3 ' $' " ' ' "' SS Z B@' ? -A@C' G->C'
B-A->C' . @' ?@' +B +' ' J A+' +' +B@' B@E@@A' >J-A' +B@'
,@ +B-C ' ;KP<' E' $ ' &)' ' - '4O' OKP ;@C@' @' ?@'
+-' ' B EE@@AZ AD' -C' +B@' +B CD' + ?@' +B@' G->A.' D- +-C .-+'
D- A' AD' ,,@D' -C' B UG' ;K<O' (% 2 ' OQO ;'
@, @' B>ADC@D' B@E@@A ' A'%?CD ' ;NNL' 'L' 2 0' !!(
' OP' e' ;NQ' B@' -CD' T B@E@@A ' B ,,' ?@ A' AD' E ,>D@'
@ @CG' B-> @Z B-JZ C--?Z JC@? @' -C'J, @' A' B B' @S @'
E,@' , I>-C ' C@' +C U)' AZ EG' C@+ ,Z +B->+' ' @C+ +@'
AD' @S @' , @A @' A' +B +' E@B , Z
E ' $ 10
Q<K :- ' ' . ' - (8;KLK(' PV' ' !+C> U' +B@' C- D' +-'
' B@E@@A' B-> @' -C' E A' A' B B' B U@G' ' -,D' +B->+'
, @A @' ;KNN = ') 7 8 ' ' 7 U ' ;K=K
' PL' " ' " -A->C ' @A+' -C' ? -C@' J C+ ' C-?' E@E@ 6 'E-> @'
H' & H' 1 $'3 &) ('B@D.@' ,@ - @' !B@E@ A' JC-J@C,G'
?@ A' @ U' C ,, E@ CZ + J, B')SKSP &' (((
C$. ' 2 $ ' $' < ' ! $' " Z , ' ? -+B@C' U@J+' ' B@E@@A'
B-J' A' +B@' +- A' - ' AA U ,,@A' K)' = B) ' ' *& >

8;KPQ(@"' @CG' ? ,@' -C' + -' B ' -?@' @ + E, B?@A+' - ' +A@'
U ADZ C A. A. 'E@+ @@A' +B@' B-+@,' AD' +B@' B@E@@A' B-> @'
" @> @' ! B@E@@AS@CZ' -A@' B-' U@@J ' -C' C@I>@A+ '
' B@E@@A' ! B@E@@ A .Z' +B@' U@@J A. ' - ' ' B@E@@A'
+B@' ,,@. ,' @,, A. ' - ' , I>-C
;KQN' % $ &' ;= / @ ' 85 C ?@C(Z BC@@' @S+@A @' J+>C@ '
-' A@E@@A@C' @C@' ? D@' A' , . - ' -A' !>AD G' #A@'
B>ADC@D' AD' + @A+G')C -A ' @C@' ->AD' A' +B@' D@A ' ' ;KQL'
,& - $' ' ;P' 5@E' 8 E D (Z C- @C Z !B@E@@A@C Z AD' -+B@C'
B-' @,,', I>-C' B B' C@' -A >?@D' -A' +B@ C' &C@? @Z AD@'
B-'B-,D' A-' @A @'+-'D-' #' ;KKQ' ,& (' $ ';P' / @ ' ='
T ! B@E@@A,A. ' EG' A' D AE>C. B' &>E, A' S--M $!"'
$!';Q' >.' L Q' ' !B@ @,D' E CE@C' ' A@DZ -C' B@'
E@@A A.
! B @ CCG Z' -E ' -C?' - ' O O '
+' ! @ B A X@' ' 1 0' $ 0' ^ ' " @E' J '
.$' (+-' D @,,' 8+B@' C--+' - ' O O !' ' 0'
-'D @,,' ' -D' A' ' +@? J,@
SMK M' : ' (% ' 8;M<<(Z OOP' B@' 7 -CD' A'
CA +@Z -C' + E@CA ,@D' A' ->C' ,@ BZ D D' 3@ B A X@Z -C' J@CY
-C?' +B@' J C+'- 'B '& +B@C ' >JC@ ?@' C@JC) @A+ @' ? -A.'
>' >,,' - ' .C @' AD' +C>+B' 1 0(5-C' +B ' 'J, A,G' ? J,@D'
A' B ' B@ B A X A.' -C' + E@CA , A.
! B @ - B A BZ)(0 (*?701'7' O O
! B @ - U Z' 73=' ?701'7'
! B @ U, +- A Z' C A+' 7?' (' 1 (
! B @ - U ,@ ' =--' 0(' 0('
! B @ D' 701=' ' ; ' 8 @(! DZ [O' D2
L' , D2D ? ' B @DZ= M' , @D@Z B@D@Z=VQK%, @D2
P' @@DZ B D@Z PZ KZ <' $!( ) @@DZ M' -U@DD@Z
B@GD@Z MVQ' K,S@ D8@Z B@DD@' ,(' , DZ Q2<'
$!(B D@Z= ' B@D ' ^# '= + , $ (,+@C@D' -C?'
- ' 4 + 'A@>+ # @>+ ' +GJ@' T= $+ .$ & - (0'
C--+' T .$ ' +-' D D@' @@' ' ' B@C@' +B@'
JB-A-,- .G' '@SJ, A@DZ % ' # " ' , (83 " '
+' D -A' A' @A @' O' +B@' -CD' ? G' C@JC@Y
@A+' +B@' -.A +@' # ' 4%+ $' 8 @@' ' +' A' +B@'
,+@C@D' -C?' , $ $(c]
' / + A + -A Z D C ? A + -A Z @J C + -A' 8- '
-A@' +B A.' C-?' A-+B@C(' 1 (
A' # ' , -' A' JBC' '= + "! $'(+-'. @' ->A+'
%<PN' %0' <& *0' >U@' S ' *$ $ &' - (HLS '
!@ @ D' ,'S---' 0'<& (3 ++'S 'LM) , 'D@,' -CD' EZ
?@AA' J@ !' B' *G,D E')@)D' 'XXM-' Da' E@' E) ?'-A'
D-?@' D @ @' ,' ;ONN MOO< 5-CC'*>A , 'E CCE' +@AA'
E@' @,Z J ++' A ' E+ @A@A')>AA@' \' B@? ?' A' B @D'
'? AA@' ' U AD@' ,'S -' * ,0 <"' ' $ 2 0;Q' # ' . -D'
AD' G>@,' B@D' +-' ? U@' 1 (QO;' AD' B@D' +-' ? U@' A'
@>@C' D@D@' O + 2@A@' -EA@ @' AD' , B@D@' ;PQP' < 7 '
<!$ '8 '<& 0' ' ' 7 U ' ,# -' ' P< B@' !B@D' ' .C@ +Z
AD' .C@ +@C' +B@A' +B@' B- Z 7 B B' @@?@' '+-' E@Z E@+ @@A@'
+B@' .--D' AD' E D' ;MQ=' $ ' 0' & ' & & ' -'
D @C@A @' E@+ @@A' +B A. ' ;QNL' ' A' $ G' C !& (
(8;Q;K(LLM -' ! B@D '2'A-'D @C@A @
i' E ' B@' >,+G' - 'D @CA A.' -C'D + A.> B A.'
' S---') 5$ ' & '0 : ;QM O=')' B EE .' .@ @ D' @S)@C
.@' .-D@' .@'G @,@ ' '$A++' 'PPL=' J@' , +@') @' ' B @D
M' U ,,' ' @-C@6D, U@' E A.@ ' $' ;OOP' (' V$ 0' OLK * '
B +@ -' ? -A' J + B@' @E-J' \')@' B D'E ' - ' .-D' \' - '>>@,'
OSO=N $2! ' $ ' A' & 0' & 0' OPP' 7 C @7 J@' E)'
E >@!' +' A+' @E D' E +>BB@' .-D' AD' >>@,
/ ' B@' J C+ A.' ? D@' A' +B@' B C' EG' -?E A.'
,-A.' +B@' +-J' - ' +B@' B@ D' , -Z +B@' J C+' - ' +B@'
B@ D' +B>' AD +@DZ +B@' +-J' - ' +B@' C- AZ 1 (
@S ' $!(% '
;L ' ' &' 0' ;KKLQ' 8 D++ (A' B@>@D' B@' B D' B@D'
H & 0' 6 +a' E -?' ' ;LOP' <!& (0' '? 11 2(A' !0'
' ('QK X' B@' B@DZ !$' (XSLK-' (' &, '
O<' A' "-C +?' ! ' !((8;KQK( )-' !@+' ?GA' B +' JJ-A'
EGA' B@DZ -' E> D@' E A' B@C' AD' @U@' _A' B@D' ' ;=NN (
&"' LNOL' B@' B@D@' E>C. B@' +B@' BGC@' B@C@' B-A@' 'Eo,,6G
;= ' &- (A' 7C 7 >,@U@C' MQ= P' &,' ' * ' (+B@'
B D@' - '+B@' B@D@ ' ;PSL' B7 . ' ' '+'S,' Q' 5-C ,-'
+B@' +-J' - ', +,@ A > ' B@,DZ C-' +B@' B@D' - 'B ' C->AZ'
!@E A@' ,' - ' ,G E+' A+-' +B@' .C-AD' D->A' ;PS<' ' *
)! 0' OP' B@' B@D@' -' +B@' E@ C@' . -@+B' J' +-' +B@' +-JJ@Z
D@>GDGA.@' +B@' ?-,D@' $/%/' 1 $) ' ' ' ')'
)) 0' &- $' ,))$(B@ C@' D > D@D' +' +B@' E@ D@' 4%K='
' B) ' , '?$ $ T' 6) ' + ' 8;MNK(MP' " @C' C A.'
B C@' D J CJ, A.' , @ ' J C+' A' @@?@,G' BC ' SMKK' .
- &)3 ' '=M= 0' 7 -?@A' @ C' " CZ A' B D@ Z B@A' +'
, @+B' J, A' AD' +C@ .B+' -A' @ B' D@' +B@' -C@B@ D' SKK-'
' ' ' &2 ' ' <!& ((' $ (+B@' J C+ A.' -C D -A' -
+B@' B C-A' -A@' 'B@ D
+' E ' &C- @CE' .$ ' ' '*$ ' ' '&%'= +'
$ '8-C' $ +('@' 8B@(' B ',- +' ,,' @A @' - 'B ?@
4LK 'C&!(' C& ' '8$-,, (' : OPO' 7 @E@A' -' I>,' - ' GAA@' AD'
,->+B@Z B@' B ?@' ' J @D' +B@' B@D' - ' B@D@' ;P)'
' ' ' ' ' ' $ ' LQ' ! B ?o' ' J +' B@' B@D' - ' B +'
B CZ @,,' @' UA ' ;M<;' &' ' (' (' !$ 0' < ' (
- 1!"' ,& (;P' O>+' ' +B@' ! -+ ' &C- @CE' Z !B ?@'
J @D' +B@' B@D' - ' +B@ C' B ?C
N' ' J C+ A.' ? D@' A' +B@' --,' - ' B@@J' B' -CD@C
+-' .C@ @' -C' A- A+' +B@' U A
V $ ' - U 'N. +e' ==' 3 U@' GD@' B@GD@' ' A' +B@'
-,' ' -' +B@' B@J@Z AD' A-GA+' +B@?' ' +B' +' SM=S' '
% $ - 0' ? . (8!>C+@@ (M< A' .C@ A.@' B@G' E@. AA@' > > ,G'
-A' +B@' E@,,GZ AD' -@'.- 'C- AD@' E->+@' EG' B@DD@' ' S ?D'
: ' ' ,(C 'LO;' @ A.' E->+' A' A B
+ S+' @ @CG' B@D' -' +B@' --,' ' ;K=='" ' 1 '? .($ -'
: 4: ' ;S;K' C , @ ? G' E@ JC@' D' ,-A.' +B@' B@DZ AD'
' -CU@D' ? -A. +' +B@' --,
' J @ @' >+' -C' EC-U@A' - Z ' , @Z C .?@A+'
8% Z) D' , - ' ') , -+' 8- ' E,--D(' 1 (
'8%B @ ,G' ,(' AD' ' & (+
QS=NN ') ' 4%' (SSS,S' 8/ -> @' 3! (Z !E +@' A'
B D@' -D@' Eo' B@D' B ADC@' A' B D@' - ' !+@D@ Z ,@D@ Z E,@D a'
;PSL' B7. ' ' ' 0' '<Q' AD' D @DD ' -'E,>D' >C B'
J ++ AD' +BC- ' B ' , JJ ' , $) -) ' ,)& - ' & ' ,3'
;QL<' ' (' $) '2 &)' 'Q=' >AD@C

' A ,' A 9' >' , ' A@@ @a' A' !B@@D' +B ' D G' S! 'O# '
0' 2(' ' , ') $, ' A?@A' ' B@D Z -C -,D'
C-A Z ? G' E@' ?J,-G@D' A +@ D' - ' B ,U
! ' ,(T' 'J-C+ -A' - ', ADZ 'D + A.> B@D' C-?'
+B +' B B' ' D* @A+' ' 8: ? (' 'D -A' - ', AD'
, C. @C' +B A' +B@' T' C . ' 1 (8% ' D
>#! ' ' $!'?. 0') *$ 3 ') '8;KQ<(: ;Q; B ' 'J C+'
+B@' +->A' A' + Z . ' +' ? ' E@Z AD') "' ? 'A- B+Z +' ,E@'
J C+G+' A' B@DD ' ;PKK 0' $ (0' ,& 0' Q<N ;' C ?'
+@CC@' C E, ' -A+ A@A+@?')' ! '!$' >5 ' -A+ .>@' A'>A-'
! ' , ($%>+' ' $ "' LN' 3 G' 83 +, AD' %,>E(OON
^ ' .C@ +' +-C?' - '+B>AD@C' AD' , .B+A A.a' ++' A .U+' +' D D'
-C, B' AD' J- ,@' -?@' B@ D' - ' -?@' +' D@CD ,,
'C D.@' - 'B .B' .C->AD'D D A.'+ -' ,,@G ' -C'
+C + ' - ' ,- @C' ->A+CG' ' 'D D@' ' % ' 5 F
) ' 8 B@' ?@ A A.' A' I>-+' ;PLN' ' -E >C@ (
4PLN . 7 a' OMM O' ! B@DD@' - ' A' H %HH((S) ' ' :'
3 ' &) '?& ' $' ' OP' B@' !+GC A' ?->A+ A ' @@?'
+-' -C?' ' B@D' E@+ @@A' +B@' C@ ' - ' @C? A' AD' + , A'
A ,>@A @ Z ,) S' ') "' ((0' L' B@' ' - ', AD'
-C' - ' E , , Z B B' G' ' +B@'
& - 1(O /+' 7 .3 ' (+B@' >? ? +' , A@' - ' @,@Y
+@D' b ->AD ' 8;KKO DD a' +B@' , A@' - ' +B@' +@C B@D
$ ' 0' B@' -J@A A.' ? D@' E@+ @@A' +B@'
+BC@ D ' - ' +B@' CJ' EG' +B@' ? -+ -A' - ' +B@' B@DD,@ '
-C' +B@' B>++,@' +-' J ' +BC->.B
4Q<O ' * ' & - (D0' 8 K-S(POL' 7 B BZ E@ A.'
,+@CA +@,G'C @D' AD' D@JC@ @D' EG' +B@' ?-+ -A' - ' +B@' @@+'
-A' +B@' C@ D,@ Z C @ ' -C' D@JC@ @ ' +B@' 7 CJZ AD' ? U@'
+B@' ' -C' +C A ? ++ A.' +B@' B>++,@' +B' +B@' @ ' KP'
' 6 - !0' !!) 0' $ $!(' J' ' B@' B@ ,D C@'
+> +@D' +' +B@' ,@ +' @ADZ -C' +B@' J>CJ- @' - '@ @ + A.' +B@'
C- ' B@D' ;K7 ' ' ,",!(? (44 '=M= ;' C@ D,@' A>?E@C'
+ -' ' A@S+' D@JC@ @D' AD' +B@C@EG' P A@ ' ,B@D' ' -C?@D
! B @D' 8: @ (Z 10' 5 - C ? ' R39' ,S DD@Z
B DZ Q' B@DD@Z !' B@@DZ Q <' $!(B D@Z M'
B@D' ^ JJZ C') 10(B@C@' ' +B@' -C? '
' 4 (3 ' 8 G@AE (' ,! (1' ' $ = 0'
B@' D@ @,-J ?@A+' - ' +B@' @A @' @SJ, A@D' E@,- '
' JC-E' ? -C@' -C' ,@ ' D>@' +-' - + -A' +B'
)'8A- ' $!0(GA-AG?->' +B' +B ' -CD(a
' ' !, .B+' +C> +>C@' E> ,+' -C' B@,+@C' -C' +-C .@Z
-C' -C' > @' ' ' -CU B-JZ @ D @C' ++ B@D' ' '
,@ A +-' +-' 'J@C? A@A+' E> ,D A.' -C' @J C +@' ' - +@A'
+B' -J@A' C-A+' -C' D@ ' B@' J@ ,' J>CJ- @' '
AD +@D' EG' ' D@ A A.' -CD' JC@ S@DZ ' ,&23(
,$ 3($ 3(' &&!3 0
4=K;' L ' "'$ ' ' 8 CE (S-' ' G CD@ ' A' B@E+@'
' B DD@' ^/> ' ' $ ' ,) ! B@C@' A' @C@' C S'
% I+@' D-..@ ' ;PNO') ' &' (8 KXS(QO' ,' +E--' A'
?@' D' +@ +B +- >)@' B-> @' A-+' AB E +@D' ' E-JJ'
@, C ' B DDG ' ;PPQ' B ' ;88' C& ' ') 10 e' KK 8;KQK(
OLO' 5-C' >?EC@, ' AD' C+@ Z E >@' ' B@D' C@DG' D .B+' ;P<<'
') %% ' P;' ' 5 B@C? A' - ' 1 C? ->+B B>A.'
+B@' C@ D>@' ^-' B 'DC > .B+' - ' B@CC A. aZ A' 8B@' --+G' C-- @'
-' B ' B D' 'D G*A. ' ;M;P' ' " (S' LS=' !B@D'
^#C' OV_ +a' +> +' +B' ?E' AD' - +@ ' D + A +,G' U@J+'
;MQ4' = . 'C (0' 'QO' A' > B' ' @ -A' E-CA' B@A' C @'
' ! B@D' %->,D' E@' -E+ A'D' +-' B@,+@C' B ?' -C' ?@' 5C- ?' +B@'
E,@ U' C' ;QN4' A' 5& ' ' *(((& - - 0' JJ' '
PSQ' BC@@' ? ,' B@D' E>,U' . A +' +B@' +- A@' ' ;QOL'
' 0' <$0' - ' M;=M K' B@' !B-J ' AD' !B@D ' A' (D' E-)'
A.' - ' B@@D' A' +B@' % +,@' - ' 1-CU' -C' +B@' " .B' !B@C @' '
-A B' ;Q<K' ' LN :>A@' ' #A' +B@' A-C+B'
D@' + AD ' ' -CU B-> @' AD' ' B D@' ;Q<<' # ' ' ' '
,(C 'OOL' B@' ? , B' %- ' C@' .@A@C ,,G' @D' A' +B@'
B-> @' -C' A' ' B D@' SKSM ' ! & (SSS6 Z B@G'
+BDC@' ' +-' +B@' + E,@Z -C' B@DZ A' %CD@C' +-' - ? ? -D +@'
+@' B C' B-C @ ' ;KQN 'D) "(& (% ') - 1' MK
^ ? J,-G@Da' A' +B@' J- @C- -?' B D@ ' ' +BC- @C' ;KQP'
' ' , !0' ? , 0' 'D' 'O@B AD' +B W' ' B@D B@C@' +B@' ++,@'
C@' A@J+' E@ -C@' E@ A.' , >.B+@C@D
3 ' = 1 4(O' =*0ED*E0-' 3E*' 4(0K-' (< '=*07 K4+'
3E 4* ' 7?*- ' D7 ==* K' 7?' ' 077?' =ELL70*-<' &"'
D74E1 ' 4=7') $!(=670*?70' H77 3' ,T) /
$ //' 7; .3 ') * %!0' ! Z ! -? @' B@D Z' '+B- @' DAA@ +3'
+B'C , G +@C? A Z B C)' \' Z C@' ? - +' >E + A+ ,' +C> Y
+>C@ ' ;KKQ' : '%4 ' ' 6& (@+ ' 8SKKK(OP=' B@'
J @A.@C D@)+])+ 'UA- A' +B@' "% C WB@D' " A' +, A'
+@ @' ' ,'SWKK' ;Q B 7' - &' ' $!2 $"' &!. ' ' 7 U ' ;<NN
4 ' ;MP' #A' +B@' ->C+B' ^ D@a' +' ' #>AD@D' EG' B +' C@'
,- ,,G'UA- A' +B@' B@D ' A' -+B@C' -CD Z +B@' + + -AZ
- @ Z AD' -CU B-J' - '+B@' %-?J AG' ;<SL' - 'L' 3 G'
K O' +' A .B+' 'D +C->' ' C@' EC-U@' ->+' +B@' C) , C'
B@D' -'B@' 3 D, AD' $, G'%-?J AG' +' OC D -CD
/ ' '*& ('B>+Z -++ .@Z J--C'D D@, A.
SM-' - 6 L' $ &' * ' Z B@' C +' ,@+@ Z E-CA@' A'
,- ,G' B@D' # ' J C@A+' E @' ;ML=' = . ' &-) ' LOL'
%->C+@ @Z 7 B B' - + ' --A@C' ->AD' A' -, G' B@D' ? +B'
? - UG'C +@C Z+B@A' A+ J +CG' " ,, ' S -' ' ?$),
C ! - & ' ' LN +' , +' A' B- J + E,@' " -> @' +B@G' ->ADZ'
B-?@,G' !B@D' ;Q)' < ' ! ' ;K' B@' ,,- ' + ++'AA.'
C-?' +B@' +C E> ,+' B@D' 5D9*' < .) ' $*0' ;KN "@ '
!@@ 'A- -A+ .> ->'J , @C@ C' + 'B@ D' -' B ? +B@' ?@ AY
A@ ' - ' B 'B>?E,o' B@D' QKL' !!$ ' 0' N% A'
J-@+' ' --+B@' G->Z B@A' G-> J A@' -C' EC@ DZ 0G' AD A.'
?GC+,@ 'C->AD' G->C' C> A'D' B@D
E Z ' (' +A +AC@' +B +' -CD ' B@,+@C' -C'
- @C A. ' +B@B D A. J, @*, C' -CA@ +' - ' A' A ? ,
K%$%' ' I SKPI'8" U, ' !- (: ;OO' 7 @' B D' .C@ +@'
A@' - '+B@' %B A ' %)J+' > U@' A' CE-C' -C' E@D' -C'
GA@' 859#8' N( ) ' &' T' !&2 ' 8SK)' =N :' B@C@' D-@'
,G@' 7 +B->+' ' B@D' -C B' D' +B' ' ! @,+ A.' U@J' SMKW'
7 3 ' & %& ' 0' J6 Z 5-C' + , ' A' @ @CG' !+-C?Z +B@G'
,' 'C>A' B %B@C2 +- ' !B@D' +B @,D' @?' C-?' +B@' 7 @ +B@C'
U AO . !!(' ' (' S S' B@' @,D' AD' ?@ D-'
.C ' 7 ,' . , D,G' B D@' +B@ C' ^+B@' J@@ + 'a' C@,@ ' B@D'
1 (;<M' B@' -> + A.' C EE +' @@U 'B@C' B@D
K ' ' - @C A. ' ' 10' ' b ' ' ,D
%LL' A' ' D)$ "' 84<JM(4 ') X' +@?' A' +B@' ,- +@'
A@S+@' +B@' . +@B-> @' ' C->.B@Z ' ,-EE@' +B' ' !B@DZ '
E->6 A. o' B>+ B@' ^@+ a

:(' A' '+@,@.C JB , A@' A >, +-C2' ' - @C A.' A'+B@'
-C?'- ' A A @C+@D' >J2' 'T J@++ - +'
-(* ,%(C$ ' (C , (' ' $%'(OL# -'
B@D'-C'E@,' - @C A. ' C@' JE, @D2E>+'+B@' C@'!' CA B@D'
^@+ :' ;<SN' 0' $2. ' ' ! , &' , ' '&%' ')!. & '
+B@')++ ' - +' - ' , A@' C@' A >, +-C '
' $ 10' AD' & - 10(' ' \ \ - "'H
%$ &' '32 ' D ' E.' D*2' A' @A @' 'U@J+2'
@?J,-G@D2' D-A@' A' ' B@D' 2' ' 3,&2(' 3% ' 0(
3-$'' B@D'C-- 2' 'C--' +B' -A,G' -A@' ,-J@' 8 '
A' ',@ B +-' B@D('' B@A @' 3 &&% ' D*
4K<K " - !0' 0' ,0' &,(:>A@' =;P' 7 B@A' A' ->+EC@ U'
- >C' ?-A.' 'B@CD'-' B@D) - 2' ;K)'&'< ' ' '!3'M;'
B@'C-- ' @C@' ? D@' B@D' B -A2' C A.' C-?' +B@' AA@C'
D@' ;KPM = ' ",!0' ,0' 'K=; ;' A' -+A@'+C ,'-'
B@D @@D A.' KLP' $' 7 A2> ' , 0' 0' ' S' ;=N'
' ,-A.2' ,- 2') B@D,U@' J-C B' 4K<<') ' ' 77)'
$ - >' 0' LP' B@'U CU ' ' ' @CG'J, A'E> ,D A.2' B +@Y
B@D' AD' B@D'6U@' A' JJ@ C A @' ;KPQ' &) 0' * '
O)' :>A@' 9& 6' ' +', C.@' + + -A '+B@G'++B@'J-C+@C a' -C?'+ -'
D' + A +'E-D @ 2' ,,@D' +) BA ,,G' G CD?@A' AD') B@D?@A'
;KNP' '9 ' 'C $, 0' ,0' 'M;' +' 'JC-E E,G' +B@'
E@ +' AD' B@ J@ +' ?@+B-D' +#' ? U@' +B@?' UB' B@D C#- '
;<NQ' 3 '%'-' = ') '1) ' &!- 'QM B@' B A @.'*+ @,'
E D' ' B@D C--'-' '?@ A' D@ CJ+ -A' SK)' '<!& 0'
,, 0' 8;KPN(' '=LO' B@' E-DG' -'' B>C ?' ' J A C-- @D'
AD' +' ' ,@' ' B@D C-- @D' ;KLQ' ' ' 0' 0' ' '
2' B@C@2' A' +B@ C' + - B>ADC@D' AD' +G' B@D' ? +B @ 2 2'
,@'+B@?' -C.@' .>A E CC@, 2' S) -' A') 5 , - &!0' &!! , 0'
4 4 'OKN' B@' D' -++ .@' AD' + E,@' 'E> ,+' !E@ @
. A +'+B@'% +,@' ,,'-' G?E@C' AD' 3>DD' ,,@
6-< 8:@D(2' @@ ' $ 0' m')'G a' !-?@+ A.'
+B +' ' -C'B 'E@@A' B@D'@' ' ,U -C?' ' - --A'
' ,.B+' ,,'-' A- ' +BM' +' B@,,'-' ' C E
;M=K' ' , ' % 0%' % ' -*! D' ' AD' +B@A'B@'
D-A' +B@' !,U' -C?' B@D' 8 U@' ' >CU' >CE A+'-A'B '
B@ D(' SK)' ' ** ' 2' ' ,++,@' J- D@CG' !B@D'
-', U@ 'B D' -?@' +' A--A'+B +' @CG' D G' ' ;<;' '9 !'
. 00'\ 0' B +' B B' '-C B 'E@@A' B@D2' ' +B@' ?-,+@D'
B@,'-' ; C E'-C'-+B@C' C> + @ A' &!!&D0
6-< 8:@D(2' 10 ' !&,$!0' ^% ' ' AD' $ '
^ $!- &' ' ? ,' ,?-A'-'C-?' @' J->AD "+-'@ .B+'
J->AD ' @ .B+' = &* ' & 31.0' ;KQ<(a' '
G->A.' ,?-A' C-?' -A@' +-'+ -' G@ C' -,D
SKMS' ,'O=' ='OP' 0' ' ;N<' e' =' ,,' ? .C +-CG' B' -'+B@'
.@A>' ' ,?-A2' B@+B@C' UA- A' EG' +B@' A ?@ .C @, , A.2'
B@D2' D2',-CEG' AG'-+B@C',- ,'A ?@' ;KKO' ^ @@' 77 V'
* 6-< ' . ' 1(, M' B@D@2' B@ D@'
C A+' -' ') !' ' C++@A' J J@C
;PSN')7' &,$)!$' 87 ' D@' 7#' %' *E2' . $'
' B@D@' ;P<N' $E*' ' 2' ' 8;P<=(' 'PL;' ,P $0' A.,'
' B@@+'-C' B@D'-'J J@C2' $';P<L' ,2' 8'? %' ,& 0'
-'$DC'J' *2' 7 B@C@' > B' ' +B@'C .@' -'+B@' @A ?@2)' '
B@'^+B@')+B-Ca' ? .B+' A-+'U@@J@'-A@' B@ D@' EG'B ?2' B ,@'
B@' ' C + A.@'-' A'-+B@C
!B@D2' -B@D2' ! ' -C?'-') ' 1(
' ,';P<;' &1' ' ' $ -'83 +, AD'%,>E(L' ' B@D2E>+'
>E + A @2' AD' A-'?-C' ,'$>J+' ' &''SS 2' AD'
' AD'. G' JJ@ CD' ' A@' ,G +-A' B@D
6-< 8:@D(2' 0' 5 ' +' AD' J ' JJ,@' B@D '
5-C? ' ' 8@(DD A2' @DD A2' O P' B-D@8A2'
VK B@-D@8A2' L'M B@ D@8a 'O L' - '' B D@AA2'
L M' B@D@8A2' L' @D@2' L P' B@D@8A2' = Q2K <' $!0'
B@@D%@2' B@D2' P' B@@D2' P M' B@DD@2' M' ,0'
B D2' B@ D2' M Q' B@DD8@2' M K2' < $!(B@ D2'
K $!(B D@2' = ' B@D' L' ' 0' * 0'8- '
-A+C +@D' -C? (' 'V -)+2' @D+2' -@\+2' O -B@+2
O ' L ; +'C$0' 0 ;' ! MD2 -@ D2' L' D2' L VM -B@D'
' -8@(DDD@' 8' @ DD@(2' O L' -@DD@2' 2O P'
B@DD@2' B DD@2' L' @D@2' -B DD@2' L =' @DD@2'
L ' P' B@D8D(@2' -,?DD@2' =' D@2' = P' -B D2
B D2' P M' B@D@2' B DD2' M' ,0' 8-(B@DD2' -B D2
M Q' B@ D2' Q 8<' $!!+' B-DD2' B-D2' = ' B@D '
' -@DD D@2' =' -B@D D@2' = P' -B@D@D)' P' -B@D '
D@+2' P M' B@DD +2' < $!(B@DD@D2' B@ D@D '
C$0' * * ! (' ' -@DD@A' 8' @ D@A(2' O -@D@>2' L'
B@D@B2' -@D@2' = P' B@D@2' B@D@' L' @D8D2
@D2' D8D2' L' 4 - '+B' P' B DD2' = P' B D' 8=
G B D(2' =' B-D2' G @D2' = P' B D2' G B@D2'
G B D2' P' X D' = M' B@D' 8L P' -B@DD2' B@D2'
=' @DD2' G @D2' = P' B DD@2' P M' B@DD@2' M' ,0'
B@ D2' =2' M' ,0' B@DD@' 8=' G B@DD@(2' > $!0'
B-D2' B>D2' =)' B@D' ' @ @ D D2' PnM' B@DD@D2'
E B@@D@D' ^ '%-?' @A+2' @CE'8 A+ A. A'! AD Y
A A(2' -C . A ,,G' +C' 8C@D>J,(' # ' ,= + $'%
0, $ $'(J ' +' ,= + %' , $ % J ' JJ,@' ,=%+ ' '
, $ % (-CC@' J-AD 2' @ +B@C' D C@ +,G' -C' +B'
-A -A A+ E, >+2' +-' #5C ' . $' . $' U'
8?-D5C ' . ' , (5C ' . (.$!(
. $ +"' #!' . $'(. $'0 &0' JJ,@' .\ $'(
3 ' ' '" ' 3&>2' , ' ' ')"
. '(. ''8?-D />' ,)"' J ' +' , "'
J ' JJ,@') '+' #" ' , $' ' J ' E
, $ "' , "' J ' JJ,@' , $"'83 " ' ,)"
J ' +' , "' J ' JJ,@' . ' :'?-D ' , '(
J ' +' , "' J ' JJ,@' , '+"' -) ' $ $'(
J 2' JJ,@' .$ $' >"' +B@' E' A' ,,' +B@ @' , A.'
B ' +B@' @A @' +-' @J C +@2' D D@' +B@' -C? '
C@JC@ @A+' + -' D + A +' +GJ@' - ' +E@' @>+' C--+2'
T .$ *3' 8' ' AD' T $ 3' 8'T 3+' :' -C' -.Y
A +@' A' @A+2' @@' ' 10( ) ' 10' B@'
JC@ @>+'T . 3' :' .& ' C-?' B B' E-+B'
+B@' @A+2' +GJ@' D@ @AD' 8 +B' D @C@A @' D++@' +-
'

-A -A A+) E, + +(2' 'A-+' D C@ +,G' C@JC@ @A+@D' ->+Y
D@' @>+ 2' E>+' ' JC-E' C@, +@D' +-' +B@' D@ JC@ D'
ADD.@CC A 'C--+'T .= + 'T 4 +& 'T + :'
- >CC A.2' @ .2' A' !UC', 3' *7 J,+2' +B'. O!
' ? U@' 2' @J C +@2' D D@2' .-$ B J'7? --D2'
C2' +-' J, +2' E ,,@+' -' --D2' ' , '3
' +-')+2' ,@ @
E@'-C . A ; ,= + $' ' ->,D'A-C? ,,G'G @,D'8?D, AD'
AD' ->+B@CA(' 3 I ' AD' ?-D ' $ (B B' ' - ' ->AD'
A' C + A. 'C-?' +B@' S +B' +- ' ;P+B' ' +' ->,D' JJ@ C'
+B +' EG' +B@' D@' - '+E@' #C . A)' -C?' N I ' B D' 8JC@ >? E,G'
A' @C+ A' D +C + 2' E>+' @ D@A @' ' , U A.' -C,- ,X + -A('
A' ,+@C@D' EC?' , $ $'(+B' B A.@'-'C A.' A+-' ,E.'
D JB+B-A.' C-?' +B ' +B@' ?-D@?' ' 8:@D(D@ @AD') '
' D@ @,-J?@A+' J C ,,@,' + ' +B +' - ' 1 $ "' $ "' C-?' U$'
1 $ ($ 0' j
B@' # ' @CE' C@+ A@D' + ' +C-A.' -A*>. + -A' A' 7 ! 2' E>+'
A' -C+B> AEC A' - >C' -A,G' ' @ U' 8> > ,,G' +B' -C?'
0, $ $,"'> , $ $' -A' +B@' A ,-.G' - '+B@' 8' +@ 6 'C C@,G'
-A+C +@D' , $ +0' A' @ C,G' 3 ' +B@C@' @C@' -C?', U@

A-+' C@JC' # -C+B>?E' , $ (E>+' A@ ' -C? + -A' D>@'+-'
+B@' A ,-.G' - ' E ' , U@' '8C@ D(2! '8,@ D(2@+ ' B@'
?-D' J ' +' AD' J ' JJ,@' ' C@' JC#E' +A' E@' C@. CD@D'
C@JC@ @A+ A.' +B@', +' +GJ@' - ' -A*>. + -A2' B B' 'EG' C'
+B@' ?- + C@ I>@A+' A' 3 a
' $' ' -' !@J C +@2' 8 ,@' - ' -A,G' !0"'
B@,G' A' C? A.'> @ ' -' @J C +@' 8, ?E(' C-?'
+B@' @ @ 2-C' 8 , @ (' C-?' +B@' - ' +-' @J C +@'
8 ++,@)' B@@J(' C-?' +B@' B@C ,' -C' ,- U2' '2B' '
' $'. '8! ('+-' @+' +B@',@. ' J C+
,';NNN % ' 0';=K8 C(&-AA)' D@A@' B@-:V ('WGA'
>,, B' \' m ' -D @ + A'-A'J ?'? @C A' D @)@' ,'S --
' -CCB' ' J ++' A ?@' B@??' ' +B@' &B C @@ a'
@++2' 5-CC' E ++' @C@AA' B DD@2' ! ' >??' B@??'
J>BB+@2' C 'J@' -,,)' J>CCB B ,,' , '\' , C@' ,'S --' ' 0' &!('
& '0' MQ' 6C@' ,->@CD' B@ >' %C' +2' B-D@C(' E@' .-D@' C-' *V@
>@+@' ' +'W+ +> +' >@ ' D@S+C' AD' E-D@M' V@ C B+ @'
A' B 'C B+B ,>@' ? ' ' , 0' 0' OQN' J@')@+@ CD ->B'
-C+-' AD@A' B @ +@2' Z' B@ D@A' J@' @ ,@A' '+@+' B@'>C-?'
V@ UA@' -CA@' '%4OPN < ' 0' ' 5' OMM F> A' ,'C AVU AD@'
'! ,' E@A' C-' D@D@' +-' ,>@' EC-0+2' AD' @,,' D' C-' @' -C'
C-)+' ,'+.S' !6#$ " 3' A 'ML'J +'D-J' J +'A AG@G B-D@D'
H$!' ' JG B)C@D,E@A' 5C ?B@ @A@ CG@B@ @ +@
' B ' &'0 8;QOL(;Q=' "@')' ,@' B@D' W-' -ADZC2'
C-' C@' ! ,,@' @' .-' ' (LNP J@C' B@,+C-A' -A@'
B D'^ A.+' ' 6>2 1' A\) 'E +' @C@' .-D@' 4L<N N7 $'
& %0' ' ;LM -. I>@' B +B' @U@' (B 'D).C@' 0@+ @A' +B@'
+C->+B@' AD' +B@' , B-D@' E@' J,@ -@' -CD@' -C+-' B-D@2'
!-' +B +' > -+B)' B ,' -' 7 D@' 'S' $'S @J' E 0' C ,
8 ! ('M;' ,>@' -AA@' +-' B@D@' J@' D Gc C' J@' AG.B+'
';=QN' " + $G' $!!$ ' $' 0' 'QQ' d7 , ,@' ?G B+' A-@ + ' .C +B'
+C U'-A' B ? .@++') B@++' D @D@B@+B ?2 >,,'C-GD ,-J@'
'? D2' ;PLL' 8 ' 0' ,& 0'8$-,(' ;P' ! B>,'
D@C ' @C' %B-CA@' AD' B@D' +B@' E-D@ C ' ;LPN 3 /.! 1'
D 0' ! - -'<<=',>D .@' L@' 'B@' BJC @B AU+' @D' ,'S. .'
A' !+CGJ@' ,,!0' - 0'8;QO;(' ' JJ 'S 'OK -D' 8AGAD@+B'
A- '+- B@D@' ->+' +B@' --+@' ' C-?' +B@' !J@J@' JS D- '
'C& - (?$!!$ ' $' 0' % B' ' '5-@' --U@' ? G'
B B+' B C' -' B@D' B C' BAAU ' A' + A@' ;PK=' 0' $'
+C' & &) ' 'MN' B@' ? .B+G'C @C GAD@' E@ A.' A' +B '
-C+' ,B@D' AD' B@D@C @D' A+-' LMN' EC--U@ ' SM--' ' ..)'
"' ' 44 ' OL=' A' +B@' @ ' AD' ->A' + U@A' -' +B@'
J+ @ '+B@C@' @C@' -?@'- ?@' UA- A'+-' E@' > >, A+ 2'
B-' @C@' B@D')V)' +' C-?' +B@' C@' ' S) Q' 7 ' " -+ # '
A' $' 0' &"0' & 0' 0' 8;KQN(L;K'^%! ?E@C,' AD' 7 @ +? '
(+-' J C+' >AD@C2' SGJS K*& - ' OQM' @'
, ?E' +-' B@D2' AD' B@@J' ' , JJ A.'+#-' SK)' = 77
<$!!& @' +' " ,!0 =OP' (+-' @J C +@' -' @J C +@' +B@'
, @' C-?' +B@' - 2' @' ' +B@?' ;K==' " ' 1
?.0' $ - ' 'KQ B@' B@@J' @,@ +@D' -C? CU@+' C@' +B@'E@ +'
-AD + -A@D' +' +B@'+ ?@2' AD' + ' @C+ A' +B ' +' 'A@ @ CG'
+-' B AD,@' +B@' B-,@' ,-+' AAD' B@D' +B@' ++@ +' C-?' +B@' C@ +'
$1 &!0' W==' " ' ' 1B ' . 0' $ - ' 'M;K' B- @' B@JY
B@CD ' B'-D-.2) @2' ?D' B@D)?>@B' E->+' ') B)B2:'%-AY
D@C +B@?' 'E D' B@CD' -C' +B@ C' ?' +@C' -C' +B@' A@ .B'
EJ>C A.' C?@C'
E ' - @+' J C+2' DC ' - ' % &-' ' -+ '
?>A +G' 1 0
;PK=' O' & &) ' ' B@G -GA D' @,- BJ' UB'
-+B@C' +B@ G' ->AJC@G?@A' B) 'E@ -C@' +G?@' @C@' !B@-' C-?'
+B@' %+G' BB E +@' +B +' J, @' 3&
+-' %0' > &' @J C +@' -A@ @, 2' J C+) J ' +-'
-?@' J C+' , -'8-'+C--J ('+-' ++@C' $)' 0
'WA++' 'LONN 5-CCJC BB+' A A' B@' B DD@' E ??' ,'
U' @-CC+' >+' ' ?@AA' S=-#' $) ' &"' ? 0' QQM=' " @'
B@+' E-6+@' B ?' @C' \' A@C B@' #C@ .@' - +@' A >AD@C'
B@?' B@D@D' $'$/>') '8O + -++ @(&' 0' ,& 0'
! !V 6' 'N E@' A@' CU' O@ D' C-+A@' +B@' >,D' AD' B@D'
+B@' !@,
'D' ' 0' -C' 0' -' @J C +@2' D D@2' -?@'
J C+' +-' J C+' -?J AG' +-' D@J C+' +-' J C+' 2 '
'J- @ -A' 1 0
*+---' $50' 0' 'S M' J-AA@' D@.' \' A B+' D@2
DAA@@' B-AA@' J-A@' DC@A ' $' B ' &'0 89-,E('
<<+' J@' C@.@G' B DD@A' -A@' -AD@C' ;L ' 0' 0' 0' 0'C0'
'=;;' J- ' -+' @,' B@A' JG' J@C,@' -A')B@D@2' ' ' ,'
L-A.' P' +@AD@C' - ' .@' $/>A' = I.'C!S' 0' =' < $%0' LQ'
B ,' B AD@' +' -2 + ,' +B@' > +@' -C' , +@' E@' ->@C@D'
+B' G->C' GD@' B@? J@2' @S @J+' +B@' -G,@+' AD' B '+ G,@2' +B@'
B B' G@' ?> +' " -+' ->@C2' -C+B +' G,@' ,,' B@D' J')+2' +
+B@' B@ ,D@' D-@' + U@' O/>%' < 7 ' < %8 ' "&"' ,0 '
7, ';<SN ' P=K' B-> B- ,D@' +' -C@ @@2' +B +' .-+'
+ U'D-'B-,D2' -.@+B@C' +2' AD' @,D-?@' , +' +B-' B%DD'
@ ' # ' ' 0'C& '8 CE ('=P' !> B' '+B@' ,->@2' AD'
C@>@C@A @'+B@G' B@C' E>C@' ,U'D G' B ,,' @>@A2' G' B ,' +B@G'
B@DD' +' A .B+' SM-L'C . !&) ' SSS S2' 0@' %BC +' ' ' ,+BG'
A>C+>C@' A J2' $ B+' B CJ,G'-C' @@' B@D' SMW<' 7 '<B '
0' < (' ' 0' 8;QO=(' O;=' '+B->' B +' ' /@ C@' +@C'
:@)'%EA +2 ' AD' AA-+' +B AU' -'J C+ A.' B' B 'E,@ @D'
%-?J AG' -C' @ @C2' C2' '+B->' ?> +' B@D' +B' B ?(G@+' D- +'
B' @,' +-'B ?'^@+ a2
/ ' $' 0' ' -' J C+2' -C' D D@' 8+B@' B C' , -

+B@' B C' -C' --,'-' A' A ? ,(' , -' B!0' - ' +B@'
J@C -A' - ' ,0' AD' $!0
$' ;LNN) & ' ('KK<K 3 @+,'B C' '-A' B ' B A2' AD'
, ' B 'B@ D' ' B@>D' < 0' B@Da' A' +>,A' $J >' 3 '
' '8$-,, (2' LM<' J@G'> @D' +-' @E@C@' - ' :V' A@@C@' - 'B C'
B@C ' C-?' :V' ?-,D@' +-' HL' A-,,@2' E>+' +-' -C@' (V@G B D@'
,-UU@' B-D' %0' G B@D' ' - ' $ $-H' B-A.GA.@'
D->A' +-' B@' ?->+B' $J ' 9 .6' 6) ' S' L' ! B@' B@'
D D@' 8;LKO' J, ++@d' +B@' B@@C' - 'B C' B@@D2' $JO+' < 8 ' &' %0
' ,- 'O-+' +B' A-' C +' - ' -?E@' EC-D@' B@' ?GB+@' B C@'
B-C@' ,- U@' B-D@' ' ,' ;=LN C ! 0' " %' $' & ' ;;' SS 2'
84KM<(;NL2' ' ,->@' E@++@C' '+-' U@@?E@' ?GA' B@D2' +-' B-D@' ?@'
^5C' $) - &' ' , %H0' ;POL L=' - U ') 10' e' =O' B A'
+ U@' BG A2' AD' B@D@' +E@' - ,' +B' +BG' GA.@C 2' +B@C@'
+B@' E' 2' AD' +B' +BG' GA.@C', G@' ',G++@,,'+@CC@'+B@C J-A'
;PLN' 7 ' Q;Q ;' !B@D@' G->C' B@ C@' +B + +' B A.@+B' -'
G @,,' ->C@D,G' E->+@' G->C' @ C@' ' ;P=K' ' 5* 0
,& 0 % *E2' ' @3E @ ,GU@' ' ? A C@D' E@DD@D2' >C,D'
C->AD@' E->+' \' B@DD@D' -C@' ;MNQ' 1 ..' &) 3%0'
? $ ' =;;' 3 U@' ' ,>@' +B@C@-2' AD' +B' G->C' AD'
AA-,A+' ,,' +B@' -C@' J, @2' B@ D A.' +B@' B C@' 'G->'.-b
R R7' < B .. ' $! "' ' ' 8;MLO(O<M B@'%-?E@' 2'
' ' ?- +' @' +B' -?@A' -C' B@DD A.' AD' +C ? ? A.' +B@ C'
E C@' AD' B% D+C@' S ' ' ! /1 #) C)' E H0 8;MOM(
' "@C'B C@' !B@' -C+B +B' B@D' ' N0O' ' B 7 '
$ ($! (& > ' $ -' " @' B@D' E U
B ,-A.' AD' ?- +@A@D',-D@'C-?' 'E>CA A.' AD' E@ ,D@C@D'
EC- 2' ;KL ' = 8 . 'C& - '=;' @+' ?@' B@D' EG' G->C'
B C' ;K==' ')7 ' A' &' '%& ') "'==' @+' ?@'
B@D' G->C' A A. 'B C' R ' B7 ' $ 0' $1 $'
$' ' !<P' "' @' ' - ' .--D,G' .C@ +' +>C@2' +B 2'
B C' B@D AD' B A.A.'D- A' C-?' +B@' ? D +' A' +C@
' 0' -C' %0' L2' 0' 0' E 0' C 0' O' ;M<N & S@' GU@C@D'
' J + B D' C-' B ' B>,D@C@' +-'B ' BGC@' GU@
E ' $L' 0 -'D D@' 8+B@ CJ +BC@ , (2 +-'
? U@' 'T B@D' A' 8 ' @E(' % '!"?V ; Q' %
;KL< ' ;OKP' B@' @ @C 2' +B>' B@D' +B@
CJ2' EG' , + A.' AD' D@JC@ E.' @ B' ,+@) AA@' +BC@ D'
;KML' ; %'&T* $- ' ;<M +' B ' E@@A' @SJ, A@D' B-'
' -??-A' 7 @E' ' !B@DD@D2' AD' ' @ ' -CD' ,' B- ' +B@'
D @C@A @' -C'+B@' B@DD A.' A'+B ,--?
' 2' -' ,@ @2' D D@' 8 -?@+E .(' +B' >, A @2'
@ J-A2' @+ 2' 1 0
;L ' 0' ! 0' OQQO' 2' C' +B@' . +@' @-C@' G ,-U@2' 3-AG'
J-AA% ' +- EC-U@" ' AD'?-AG'BC GA' 'G B D' ;L '
<$2(=' < 0' ' 0' =OP' &@' B CJ' -' BZ ! B ,U D@' B +' A'
+ GAA@' ' ;=QN' <& 0' =' <$20' MN=' A@' B@A@' E@,,D' AD'
A@' @B C2+,?+' B CJ G" -' B@D
'E ' $' %0 # 'E CD 2' B@' ' -'T ,@ @' "8+B@'
DC2' +B@' +@C (' A' , .B+'-C' ?C A.' 1 0
,';=KN' ' & 0' $10'(C ,) '&%' 2 $!!&2 ' 2'
B@' ->," '+! B@DD AD' +B@' C' +B' J@A? '.C@ +' AD' ? ,,2'
OP<<' 4' 'B ' "-" ' ;K=' B@' ,++,@' C' +B@' B' A'
>D@2' AD' D@A+ @' -, +,2) B ,U' B@DD' +B@' +@C)' \' " @'
AD 2' B@' +C J' +B@?' +B '
! ' - ' ++@C2' JC ++U,@' A' , + ' > @' -A,G2' +- '
=7W' 8 @@D(' 1 0
' ;NNN $5(' , 0' , +' LK 7 J' GC?>?'-A' @ .>?' Z ?'
E@- #$ A @D' @ D' -A')@D ' B ' ?& 0' +
?@+' *' 8;KMK(=' "@@C@' BMC@' E B' B D' %) ')' ') "'
#>@C+G' ?@,G A@' J-A' ?GA@' E@>@D' $J A' 9 3 . 6' 4SS ,+
<' "@' (' +B@' @) ' A+-') '@CDE@' S +! 9 O ' 5$*! '
5& 0 PLP' B@' @@D@' B B' ' B@D' B@' -C?@C G@@C@'
;MLL' &' 5 +@" $' * 0' ,!&) ' :$ "2 B +' JC ?C- @' +B@D@'
d7 B B' ?-A. +' +B- @' -)!' E@)' B ' .-,D@A' B C2' !@@A3'
+B@' >+ A@' , ++,@' -AA@2' S+' A'E ' X>C@' JB@ C@' ' h, ';QQM'
' B ' A' 7 A+@C') 1 0 8;Q<Q(;QL' B@' DC ' ,'J,-' 2'
B B' EG' B@DD A.' +B@' @@D@' JD' - @+ A.' +2 ,@' @" +' D @'
, AD' +- U@D' 7 +B') A+ ' 2
% 0' ;=S=' M' C& !(C& - ' 8;<N=(' PK' & A' .-D' 6 2 / C@D@'
AD*) ' ?-A.' B@?' B@D@
!E' -' D J@C @2' ++@C' +-'C->+2' J>+' +-' ' , .B+
' ;OPN < '0 =' MQO' ' - ' D@' -A ,-AD@' D
LKQ' 3 ' &' '8$ #, + 1 ,,' ' =<L' &@C@' B@' E-D@' B@C@'
UAG'+@ 'E + @C@' ' B@D' ' 0' ' 0'
8%B C+@C (SK B@' -C+E,A' AD' B D' J>C G +' +B@' CC AD'
B@D' +B@' ? +@' ,->D ' C'+B@' UG' ;MLL' &' -.
C) *!' !0' 4 ' S 2' " ' + ,2' B- @' -,D' -A+' +B@'
+ CC@' +-' B@D2' - ' +C#+ B+' +' ,@A.+B' ,-' @' +-' B*' E@,,G'
, A.
N' $!0 -'C U@' ->+' 8 ' C@(
;KQL' = B) , ' " 'OM 8 / / (2 ' B D' B@D' ?G' C@'
A' B ?@' '@++, A '+-'C@+ C@
D' -' +BC- ' - 2' C@J@,' 8C A2' >A, .B+2' @+ ('
- ' B @ ,G') !(
';=NN ' '&% 0' '8/-> @' 3 !':2! B>CD@' A' ' B-C+'
,-U@2' J +' J@' C GA@' B@D@' ' S' B 6. '\' = ='
&) ' "' $ -' A' S' L;K' @ +B@C ?> +' +B@G' E@' ? D@'
-?@' C@' , +' +' +B@'+-J2' AD' B ,,-' 2E>+' @AD A.'JGC ? D'
' @2' ? ,,@C' AD' ? ,,@C' + ,' +' -?@'+-J2' -C'+B@C@EG'
+' "@DD@'B-' '+B@'C A@' ?> B' E@++@C' 4QQK^7 ' " ' = "'
!" +& %) ' ' ,0 LN >.' ;QQ=' B@' @,@ + -A' -,D '
E@D' - '+E@' C A2' AD' JC@ @A+' ' ,-D. A.' A' B@' D ' ;KSK'
' 0' (SS 2' O>+' +' B@D' +B@' >A' @@' 0' ' ;KKP'
$ * > ' $ 0' JC' Q) O' ' ' B . G' D- .' B@D' ' +@C'
C-?' E ' - +' SK)'%' ' *3 $' ' ' '<<' E@' +C '
B ' A ,,G+- ' B@C U@D' D- A'-A'+B@' ->+ D@2' -' +-' B@D'
C A' @,,')
+'o' %!(AD' 0 -'E@' D J@C @D2' ++@C' 1(
;=PK' ' ' 3 ' $2' ' 8! !('M;' B@' E + ,,'-'
&-?J@@' E@. A' +-' B@D' AD' + ,' CU2' AD' +-U@' +B@' 6 B+'
! !' 8 ' 0 ,& 0 8$-,(' " 2' =ON GU@' -AG' B@ J'
+E ' E>DC +' ,,' AD' B@D2' F>B 'C>,C' +B ' -?@E?-C' B+'
@+B ' ,@D' $/>0' 1 ' 0 $!0' # +' LP! U@JC G @'
' ?-U@2' +B +' B@DD@+B' A +B@' UG@' ;) N'C$ & C' %0
'>*' B@' .C@ +' ?J C@' ' ,@S AD@C2' ,U@' , ?@'- ' C@'
A' 'B@ J@' - ' , S@2' BWA' +' ' +B@' B .B@' +2' D D' B@D'
+' @,@' >DD A, @' +B@' GC@' 4MPN -B.. 'C $' A' '
S ' ,QL' B +' D@' & ,, C' - '!?- U' B B' @AD@D' C-?'
B@ @A2' C @2 >C,@D' -A,G' >J CD' A' D C@ +' C@$+B ' +#'
B@ @A2' +B->+' AG' +B +' +C A.2' -C' B@DD A.' E' - D
, ' -' J ,,'8, I>D (2 ,@+' ,'8 C>?E 2 @+)' A1 0
S ' $!0 =
$ 0O ' , 0' 0 L=' # ' ,+@' U>DD@' P' U>!@' >AA@A2' @'-'
J>C>D@ - ' >?' > ' -CD ' @E-CA' ,@ B+C@2' -' B@D@A'
C>?@A' -!@C' ,@2' - @C' ,@+@A' :VAe ' ? ,@A' -!-C C> +@

G,, S@E ,D@ ;MNQ 1 . . &) 3% ? $ =KQ B@ ?@ , - E@ A. ? A.,@D +B @C+ A@ -G,@ AD C ? @D +-Y .@+B@C2 AD A- A+@D J-A +B@ B@ D - AG -A@2 B- @ B C D-+B B@D2 D-+B ? ? @D +,G E@,)@ + D >C@ +B@ ?@2 D =)). P $ % < ! =E2 " B C@ B@D - SD== < $E ?& SSS e) LOM 7 @ @@ +B@ B C@ - - ? @A +B B ,D@2 J+ +- B@ D@)QPP " A C E $ ' 0 4 4 ; OO 7 B@A + 7 ? A2 A +B@ ? -A+B - ! @J+@ ? E@C , +2 +B@G ^ C+ , U@ .C- +B a @C@ B@DD A. - A @ @C ,J, @

E # .C A - A C- ? +B@ @ C , - -

,@ @ - * ,- @C - DC-J -

! !Q B)IVQC& ') (<M B@ - ? @2 E@ A. C J@ D-@ E>+ B@ D + + AD@ ;PK= 7 (' $! S, ? PQ C+ B-U@ ^ C@a +B->.B+ +- ? U@ @> ,+ > @2 @ J@ ,,G B@A +B@ ,- @C E@. A +- B@D SM-M 0 % A ;2 LL< B@ @@D@D &C D@ B + B +B +- +B ? +>C +G E,- A@ J A C AU@ B ,,@ 2 ?> + -C A- E@ C-J+2 # C B@DD A. EC@@D >C @CG - , U@ * > , - ->@C E>,U@ ,, MKS $ 2 7 %% , NL ,, / .> @ J G2 AD B@D , U@ 5,- @C 2 ;QNQ = R) 0 LPP B@ EC- D ,@ @D ? @2 E@ C @CG A@ EC- D @ 2 -A,G + J+ +- B@D +-- --A2 VQ) $ 8 & - *!0 $ - ;; K; 7 B +@ - + C@ J+ +- B@D ? - + +B@G , @2 AD E, U +B@G + AD ;Q<N 7 " = .m 0 &) ' ==O - $ +- B@D2 -CA ;K== " - !0 0 ,0 &,0 OK= B@ B@ + 2 B@D @CG @ ,G2 +B + 2 +B@ - ? -C .C A ,, CG C@ D ,G ->+ - +B@ B> U

/ - ,-J@ - $!0

[& ! $ QNO ; B@DD@2 A BG,, D-+B@ ,-J@ G @ D- A CD@ +- +B@ ,,@G + J,@ >A+ G.B+ +- @E# @ +B@ BG,,@ B@DD@ -A @ B@ !GD@ A +- +B@ ?@D- # SMKK2 ;Q=Q ^ @@)) 7 5 I 55! L_ ;K<M 9 ! IWI" I < !& 0 8@D O(2 - $, - +- ,-J@ D- A .C->AD C) 6, C,G

D B@ @CE +@ ? A - ? E A + -A 3%& .

JJ fJ + B -CU 3 *$ D>A. -CU -C .C J

" , - & ' !! 8! >C+@@ (;L=2 * V B@D@ -CU 2 *Z B@C

+B [B@D 1-CU2 +B@ -,D [G A.

! B @ D 8 @D(2 ^ I) I I V $ ' 0 -

C-- - @C 1 0 E - J, @ A B@D2

$/&% 9 . & ' 0 8;KQP(;QP B@ ;P) D +@ - ! @J+@ ? E@C +B@ -CC@ A@ E> B@C E@) AA@ +- U@@J@ +B@ C ? CU@+` A @@D@A " ,,2 B B D@@D@D CI >AD@ E->+@ -C +B@ ? +- + AD DCG ;KPN 6 - !0 0 * 0 &,0 4 =;<2 B @ ,@ + - B@DD A. ? G- A B@@J ;KKQC $!! $!!< d O(O; 3 C O X +- B G @@D A. AD B@DD A. D>AA. +B@ A+@C2 +B + I > +@ ? JC + E,@

8 @D(2 * * !0 $0 ^J JJ,@ -)

%$!@J C +@D A @ @C , - A@C B J 0) ! A 0 0 (! & ' 8;<S;(4NQ - ? A +B - ? GA B@CD A@ +B B@D B@CD - ? -A +B@ J,D +@C C@ @ E@ ? - @A +- + ^E@a ? U@D AD ,@D G 1 0 S-K ^-+B@C - ? GA B@CD A@ B@D B@CD - ? A +B@ I G+@ -CA @,D +- +B@ U- ? 8E@ a D @G

O 5 ,,@A D CD@D2 + -

%4=LN T * ;;< # DD@ ,@>@ - B@ -D@ C- *+@ B@ B@ ? @ @ ;) Q " = .. 0 &,. 8;KPQ(L;K + A-+ C@D E,@ +B + ,, +B@ -, D B@D A+,) - > B J@ @ - D@@C ->,D E@ CC @D EG +B@ ? @ > @ +- > B D + A @ 4K<L 3 & - 2 $? &) ' =L B@ B@D E CU E A. A. - @C + EC A B@ AD , A. A. +- + +C>AU , U@ B@@+@D .B- +

E,--D2 +@ C 8 @@) !Q ;Q2K(, -

- , I > D ! J ,+

S) = C ' . ** A ;QT B@C@ A- > @ A CG A. -C B@D ? ,U2 A @C@D O@++G2 ;K<< !!1) % " 0 "H(;PP %,-+ -C ? @D A B@D E,--D

]$ 8 ! @@) # E (

;KL< X 0 ;OKW B@ @ @C DC @ +B@ ,G B>++,@ +,G C- ? -A@ D@ - +B@ ,-- ? +- +B@ -+B@C2 E@+ @@A +B@ B@D CJ G_CA ═ ═

! B @ D D E ,@ 2 K$ □ H

! " _ B + A E@ B@D -C J-A C@D J +

$/>+ 3 $ ' * (O ;Q !B-D E,@2G 3 4O C

) ?./ ** K$ T 35 1

* \ $ * * !0 Q$L

2 %,@ +2 D D@D 1 0 $ 0

, ;PPN 8 .) 0 ') M B@ B@DD + B@ ,D

/ % + - 2 ,,@A2 $ 0

KSK L ' " ' & ' QM< + B X,@ C I >@ - B@DD@D ,@ @

B C2 --, & ++@D2 @J C +@D2 D D@D2 I O && ' 1 ? . 0 $ - S B@E +B +B> ? D@ D ? A +@C@D EG ? @ A - + A , U JC- D@D +B ,-A. J->+2 EG B B +- J->C + ,-A. +B@ B D@D --, - +B@ B@@J

) ./) $ j H

/ ; a &, @D A B@D

KPN " ' ! 0 ,0 &,0 4 b ;; =;< B@ B@DD@D ,-+ ^- B@@J,D D E@ + A : A> CG2 AD +B@ -,D@D ,-+ A 3 C B

8:@ D (^) " N " L V

4 # A@ B- B@D 2 A C -> @A @ - +B@ @CE

% 4LKK A " , % !0 . 0 =Q= 4) +- %C + D ? JA@ - @ -S +C G+->C AD ? -A I>@,,@C AD B@D@C - B -,-D@ ;PPP < ,& 0 8 CE (<; %C>@, @A@ ? @ AD B@ D@C - +B@ !) AG B@ E,>DD@ S) - . ? !&& " ? & 0) O>+ G->C J C+ A ,, D>@ CG A. E,--D 5-C @A.@ A @ ? +B@ B@DD@C2 C@ +A> B .C@ +@C2 SGS C & " 0 \ 0 $ OQL B@ @ @A+B A 2 B- @ ? @) A ,@ 2 ! B@DD@C - E,--DG @ C ;KKN 3 I 1) $ $ - S 2 " @ A@ @C B@DD@C - E,--D

/ * ,0 ,) ? ,@ B - +B@ $! EL ' r +@C

J A A.

O/) ' 0 =PN J@C -A B >@ + U@A +B@C@ AG ! ,? -A -C C->+ 2 ->+ - @ -A2 +B + 2 E@ A. U JJ@C 2 -C @DD@+ ;K=K ^ @@ 9 + J J) 10 S*

E A ? @ -C C E D>C A. +B@ J@C -D B@A +

+ A. + - @C A. A+@.> ? @A+ -C D @,,

;KQ ! "O / $ S - ,$% 2 L<N

& 8 @A @ <(2 2 % + +

S) (- 0 8@D L(2 T d 1" C E B B B C@ @A+) + E B@,,2 , - ,,@D ! - +%C E ;KK= & $ 0 (& " A $ * > $ 0 JC QLL L 7 + 6 B A.2 AD +@A@D -A ? G B--U a) D@D B@DD@C C E ;P) , ; E O0 ;Q e S B + A- J@C -A 2 B ,, + U@ AD UG,, AG B@DD@C ! ,? -A 2 -C)@DD@C - +@ ;QKQ ' ! ' 8@D O(;L< AG U@JJ@C -C B@DD@C ,? -A

)@ ./ 10 K$ 1 [1 * $L

3 2D $

;KKL - OM :>,G Q L ! B@DD A. - , C.@ J +G ,, E@ JC- D@D ;KK< W9$ - (0 ' ;PO B@ @ @C@ B@ ? A. A@ E-A C@ 7 B- @ E CA -C A@DD A. @C@ @ 4K<K ! ;= 3 G Q=; ; -A. C- - B@DD A.

!) = L./ E0 10 ' _ $

K$ A?$ H G

3 ! 3 $

! @J C + -A2 J C+ A.2 D , - ,& ' , 0 b

- -A,G $!0 > $ --

;ONN ;MKML 5-CC 5 C @ E + A@B," > ! B+@D C ? . -AA AA.6 B J @ B@) LNL $ [B *N "$ ' "")* ;O=;K / G ? GA> G-A G +- ? @A@ , - A-B@C # EG GAA@ +- ? U@ B@DGA. ;==N ' . *')!* 8 7 D@ 7 ;=<=(SSS 2 AD +B +B@ 5) +@ - ,->@ +B + ? UG+B B@DGA.@ + GS B- @A ->,@ P C@JC->@D ;P<K - B M WI *' ! (" .!%* +B@ B@DD A. -C >,D A. - - ? A B C@ - B@ D XMX 7 3 *Q!)) 2* *5!))$ +)). -* 8=2 *) +)). - $)* !) " 5!))* +B@ B@DDB+.2-C B D A. - +B@ ,) C@) +B@) C+ A. +B@C@ - -A +B@ -C@B@ D 8 +@C +B@ -,D B -A(;QMK $ - *N)) "1!)* ;NL 8* A B@ ,--U D E,G+B2 +B@ , +@ @ ,--U@D ? C2 5-C B ? @ J + +B@ B@DD A. - B@C B C ;KQO *D$ +) 1"* SS S2 B@A @ . -+ ->+ +- +, + B@DD A. - +B@ C- D 2 B B ? C E +B@ *>A + -A - +B@ B .B G - ? A. D- A - ? , .- AD D AE>C.B

& - 10 SME@ . 8 / -> G($0 6+2 ON # >C -CD B + U@ G2 +B@ B@ D A. - ? E@

E $! =,& ' , 0 A * 0>+0 ! @W I - +

;K== " 1 .0 $ - L< B@ , ? E 2 D A ? -A+ 2 -C @+B@C) +B + C@ DC +@D #>+- +B@ +) - U2 C@ ,,@D +B@ B@DD A. -C + , 2

N $ ' 0 B@ -A * +B@ CJ +BC@ D

A > B ? AA@C +- J@C ? + - +B@ J .@ E@+ @@A

- B>++,@ @ ? + A A. +B@ @ + , - $ % 0

01 : 9 $ ' > B@ B@D J. E@ A. C@J@ +@D + - +BA@ - @C . 8 $ ' ! B@DD A. ? -+ -A ? G E@ , @D A+- E->+ S C @+ @ +KKK ' , " ,!0 ? 0 4 4 =MM ; B@ +BC@@ JC ADJ , ? -+ -A 2 B@DD A.2 J U A. AD E@ + A. >J2 C@ - ->C @ +B@ ? @ A E-+B ^,) A 1 0(B@ +C@ D,@ ,,@D +B@ B@DD A.+ JJ@+

O) > -A2 J->C A. ->+ @ J J E,--D2 +@ C 2

+ @ C@+ -A

%[ONN ' (&!!0 & ' 0 MP @ EC A. ` AE GA -, ? A I>@ ? ? C@ ,-# B@AA@ +@ C@ B@D A. $ OOOL ' , ((OMO P@+ A EE@ *@ A->+ \ +-AD@A >- +@ +V@+ V@ B@D>A.@ - - @C E,-D@ ;PMN B +C2 ! $ ' & - ' 0 =MP E2 B@G ->,D A-+ U@J@ +B@ ? C- ? B@D A. - +@ C@ 5 \" 7 % - $ - ' ' ' P + B@,J@+B +B@ B@DD A. - +B@ . ,, ;QMN Q< " 0 && ! 8 A) $!0 8;KN<(LK B@ C J) -A @C@ C@AD@C@D C@D2 EG >A + -A2 -C +B@ B@DD A. - B ,,- @D - , >J-A +B@ ? ;KQ= # ! " 6% " . 1) , ! && ' ! ONN O @ B@DD A. - E @ E,--D

i E A > -A2 D > -A 1 0

3 ? $ 0 C 0 0 S 8Q=<P(PP O G @C+-@ - JC@DGA.@ AD - B@DGC+.@ - +B@ JG) +@ - @,GA.@ A +- ,, +B@ WGA@ 7 @ 2 ,, +B@ A UGA) - +B@ E-DG E ->C-@ E,@ +- ? -@>@ %[=L& C ! 0 " $ ' & S,S 8;KM<(;KP) B B@ @) DD@>J>++@ ,6 A.@ - * .C@+@ +C@ -C@ - 5 C DG 2 B + +B@ @@+@ B#D A.@ - ->C@ .C @

> ' &% ' $) H .-A-CCB-@ 1 0

7 ($ ' $! S P< @C @ .--D ? @D A@ -C +B@ B@DD A. - A +>C@

&C-JJ A.2 ++@C A. -C ,@++ A. ,,2 -C J C+ A.

+B - ? @+B A.

;LMO < . Y < ! > ? ? @ -B>, -> @ UU@ ? @E@DGA. 3 7 B@+@2 ;PO) L= 5 S " 0 $ 0) 10 W LP ^W- ? @a D- A +B@GC - ? @2 +B@ V ? + B@ .C@ + >@.> CD@ JC B) GA.@ - +B@ - ? @ SM-- : +C &> % ,$ ' 0 LK 6 AA +), B@DD A. - B C@ ;QL =W W ' $ & - " 8@D #+ ;h8 B ! B@DD A. - +B@ @@+B - .--D * @ ;KML A ? $ - ' 0 8;KQQ(LPM # >C , @ B C ? -C@ A + +B A > ..@ +@D EG +B@ $ - A. AD B@DD A. - ,@ @

E ,& ' , (A * 0 ! B@D ,@ @ 2 @+

;KNL 7 -$ / C& - - $ 0" 2 0 O<) 6 J-A B- @ .C @ ,--C - C@D EC- A B>@2 O G B@DD A. C- ? +B@ J A A. > ? EC .@ + A.@D &@C@AA ,,G ;KPM &C& 0 . 0 OW= ! B@ +C-D@ +B@ D>A EC- A B@DD A. - +B@ J A@2

- B@ ,@++ A. ,, - @@D 2

+G S 1 0 & 0 ?!&) ' O; # +2 # ,D 5,@+ B@C - ! ,+->A@ D -A@ D G +- ? @) ; ? , U@ C@@ +B->+ &C-J2 AD +B->+ G->A. C@@ - ? G - A B@DD A.2 +- .C- C->AD ? @2 -C %- ? J AG AD / @ @A @

? 8 @ D .(2 C %!0 $0 K 3= 1

/ a B + B@D 2 A C -> @A @ - +B@ @CE

i # , I > D ! @, D O > . 0

$ I > < .) 7 & - $"5 0 OQO B@E-D @ A+B@ ! <>,@2 ! B@ D A. -C , I > D +B A. A +B A. +B + A-+ , I > D ^-C . ,& - - C ,&) !$ ' ' , D) ' ,&) ! *& ' W0

E / C-JJ A. -C + A. ,@ @ -C J@+ ,

$% > I 9 &K C 0 A =L< B@ B@DD A. +C@@ E@. A +B@ .C->AD +- +C- 7 +B G@,,- ,@ @ QKO : C& 0 . 0 OM; AD .C@@A ,-J@ C@DD@A +B +B@ B@DD A. C- @

8 ! @@ I > - + (

;Q<M 9 7 ? 0 C!$ ' 8@D L(K; ! B@DD A. 8 D> > (-A+ A> A. E>+ B-C+ + ? @ 1 0 OMO %>J = ,@ @ 2 ,@ + @.. B J@D2 -,->C@D2 B@DD A.

D ' && M $ ' " - +B@ JC ? CG -C ? ,U +@@+B2 B B @,, ->+ AD C@ C@J, @D EG +B@ J@C

? A) + 8@@+E

!A>O0 ' VC !0 $ ' 0 4 4 4 4 OPK @ - +B@

.C AD A. >C @ - B@DD A.) +--+B ;KOO O< <&& >) " (8@D L(=Q B@ J@C A A@A+ +@@+B B @ @J C +@ - U@+ - +B@ C - A AD D- A-+ , @ ? ? @D +@,G >AD@C +B@ -CC@ J@ ? D A. B@DD A. +@@+B ! KLL) ' > $ $!0 C " &!(0 & - *0 ' $ 0) 0 &!!0) 0 +-- B@ B D A. +--+B ,, - ? @ + ? @ E@ -C@ +B@ > @@D . +--+B A >JJ,G + > @

@ % 0 # D -A - + ? @ & A.

J $% ' B - ' + ;L= B@ ., +B + +-,D +B@ B@DD A. B->C

/ / D A.2 J C+ A.2 @J C + A. 1 0 $ (

$ $%>& B * &10 8;M<M(O B@ @ -CD @C@ B@DD A. -CD 2 +B@G @ @C E@+ @@A 3 @A AD 3 @A

! ,-J A.2 0

;MKK ' . - &) " S QL ; O CA +B B@@D A. $ D. ;Q=Q " NN ! # ' > 0 A O1($- U JJ@ C +- +B@ / G2 B@C@ + @@ ? +- >+ # ,2 AD ? -C@ @ J@ ,,G -A ! B@@D A. .C->AD

! B @ D D A . ! B @ D @ 2 66 # %" # #

*@ % 0?662:1 . *$* G / J @!%%

Q B@+B@C2 K E@@D@C2 < B@D@C ^ NP

') V @ ? ,@ B@@J J@ 2 ? E C- ?

@ .B+ -C A A@ ? -A+B -,D +- B@C C + B@ C A.

4!Q< 1 * 0 $!0 ! @J+ O; ; 5-C2 E D B @ AD E@A@ , ++,@ DD@C2 " @ ->,D B >@ D@>->C@D E-+B E DD@C AD B DD@C " @ AD B@ 3 ,@ AD 5@ ? ,@_ ;MON % $ 0 & . JJ@ C@ EG E@+B@C2 UAD E,@+B@C2 0 ? ,@2 AD @ ? ,@ M b : -) -) & S %B-C> 2 " DD@C2 @U@ AD A DD@C ;Q<< B 7 ,0 ' ,&! ' 0 LOP B@G C@ -C @D +- @,, +B@ C B@@D@C 2 AD *- + +B@ C B@@D@C A +B@ JC A. ;KP; - !0 0 ,0 &,0 4 ,, > L=; B @ B@D@C B- . E@ A. .C X@D -A +B@ @@D 2 AD +B@ T B@D@C -A .C

! B @ @ 2 ! B @ @ B 2 ! B @ @ D 8 @ @@ ! !)

! B @ @ D A . 2 O B @ @ 8 @ @@ B I ! H 6 10

! B @ @ + 2 ! B @ @ U @@ ! ! U I I "

@ : 8 ,(b 0 - $!0 5-C ? P -B@,2 M -B@ B2 Q K8-) -@,@2 B@ ,2 Q < B@ ,2 K < B @,2 < B@,,2 K) B @ @, \(P -BG,,@2 M BG,,2 M ? ,, ^$@, +@D +J . " @@ @ C,G B +-CG -E >C@

B@ -C ? J- E,G C@JC # T , ! $ ' 8 A , *! $ ' @A> ,@ C@ ' (2 , $!) . ! " B@ -C ? 2 @S A +B@ A-C+B@CA @S ? J,@ 2 J@CB E@,-A. +- D + A ++B - >) GA-Y AG ? -> -CD2 D@C + @ - . . 10W

& ' 0 - B@,, +- + U@ - +B@ B + U -C- I +@C

- @C A. - " @A @ ! B@@,@D * * !0 $0

$0 4 QL ' $! ? . ( ) *$ 3 ') 8;KQ<(& G AD S E ,D@C - + ,@ - +B@ UGA. ? @+2 " , E@ C B , ? @ ,2 D @ ? @, + 7 @ B@, + OPNK2 SPK T)= ^ ? J6@D A ." 1!0 C a L% / $ L;< B +' B@ ,'D &@ - ;MSP) $ 0 ;; 8;MLQ(; ; M J@CY B J D@C >@D - & B 7 B B .A ,@+B , (AD -A ? @D -C +B@ E>AD A @ +B + + ++@C@+B 8+B@G B@C@ B@ , A. A-A@+B,G +BC@@ B>ADC@D I> C+@C (SMS A $ ' 0) - 10 - 0 , &!0 &,0 8 ! (8;K<L(PP B + +B@ 3 ,A@C2 D-@ A@ +B@C B@@U A-C .C AD@ AG !) ,,> .@ - 3 A \ D @,6A. A A-+B@C -CD @ JJ SMKS) C P< -@ @AA A+-C 5 C ? @C ! B ,,) AD@ -C ! B@@,@ AG 7 B@)@2 O . . 2 O C,@G2 &@ @ ++ BG -+B@C 3 ,, ;QN< E I < Q . &) 0 ? . 0 ! "2! (Q<2 S- +-A@+ + @ @, ? @ ,, ;QMP)) -) 0 =PQ +@C B@ A. 2 +B@ @@D B->,D E@ @ , ,@ A @D C- ? E D @@D N& $ - > $ 0 JC O;= + C + B@ ,@D -A +B@ E C,@G ? , S) M e -CC ? !0 2 $ % S 2 7 @ +--U +B@ C -CD AD J +-, @ ,G G@ 7 D B @, J@ -D) $ $ A& %&. ' &> - $ @+ 8;KOM( ) ! B@ ? > @, B@@,'D2 A A B@C EC@ D SKMS . ' ') NP O) ,@G B@ ,@D EG J->AD A. +B@ .C > +B +@C A +B@ E-,,- - +-A@ >A+ " EG +B + ? @ A +B@ B> U C>EE@D - WM ' . 1 C & 0 ,& 0 ;N; " @ ->,D A@@D +- E@ + @ E@@,@D AD A @ .C AD +B + D) , + " G->

, 4══N C & - * 0 C$ 0 ==M ; ! BG,,GA - +@2 - -DDG 2 5 =6 WD) &0 ! BG,,GA2 -C @AG, @ d 0 ('), &0 1 0 O ! BG,,GA -G +@CG 2 AD +BGA.G ,- GD GA E@,+G 2 5,& ,&0 5 ` $ 0 ' 0 LLM ; ! BG,,@DJG @ 2 *@) C Q) SW-K A 0 $ 0 0 ,& 0 6 &(Q=Q ;2 = 3 : 2 ,E@ @+ E-A@ CC A@ >,. C +@C >>A >J + + @ B ,, + ,6@,@ %4POO . " ' & & &) * -K 8* C J@ -DD@ +B@G ? G EG,, ;QNO) < . .) 0 ? . 0 8! " ! 2(MM 5-C ! E ,D J @ O J@ U ->+ P A X ? . 1 A U G C !& 0 0 8;Q;K(LLM - !!(C@ % +- + U@ +B@ ? ->+ - +B@ ! D ;Q<< * ,0 C ;ML 7 B@A +B@ E C,@G ;W+ @ B ,,@D2 @ J>+ + @ +BC->.B +B@ ? 2 -A J>CJ- @ +- + U@ - +B@ C AD ? -C@ - ? J,@ +,G2 AD +B@A2 .C AD) ? ,, SKM % % $!0 ,- 2 !!(T ! B ,6A J@, B ,, A E@ AW n>A B@, " A. J@ c AD E@ A

! BN@ 8 : 2 ! , @ @ ,D 8 @ @@ .! Q

! B @ @ , > . 2 3 ,, A . 2 1!0 10 5-C ? $0 @@ . M B ,6 .@2 M) Q -E ,6 .2 9(W <

B ,, A . 2 K < B ,,@A2 < B ,, A ^ [. a

%

B@ + -A - . !

- ;PKL = ?) ,0 8;KKO LON B + +B +@6, .@A+ ,@ ++ J->A +B@ B@ ,, A. F +B@ I>B@B+ J@C+@A A. +- +B@ D A B+E->C - +B@ E S+@C XM-M A !0 ,0 V . 0 @+ 1 0 8;K=M(;<K B@ B ,, ? ,,@C 2 +- E +@ A@ C- ? ? ,, A.@2 .C AD A.@-C B@ , - .@ -A +B@ ! EB-+B D G A +G ? @ > ? CA A.@ K-S $ - $ 0 ; OC= + ^ - ? ? -A E C,@G(JC-D> @D A@ +,G O; J@ U AD B , 2 - - ? ? -A E C,@G ,->C2 =,E - B> U C- A +B@ 8,@ A.2 AD ^@+ a ;K== " 1 ? . 0 $ - LPN B@ JC-+>E@CY A @ - +B@ C--+,@+ AD 7 --,,G @AD B->,D A-+ B @ E@@A C>EE@D - EG AG JC- @ 2 > B B@@, A.

, 4══N C & - * 0 C$ 0 ==M O ! BG,,GA.@> - A-+* S--Mj 9) B66 " $! & &) 1) L= T B@ DCG B ,, A. - JC@ ,@A+ A +B@ JC A. ? -A+B 2 B B - @C -> +AC- E U +- E-+B J, A+ AD 6 J A>D .C- +B

/ B@ . ?)C@ ? - @D C-A+ +B@ E- U2 , - @@ E> U - - + 2 B@ +2 @+

2 XW<Q A * $! ' !) 1 0 8;K=;(;QL AD +B A +B@ C

[illegible]

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D-A@ ;K=N $ " ? 0 $ 5 ` 0 8;KM<(9 B@G' @
? A %& ? +@ - +B + B J2) D A-+ E,--DG2 B@@J
E->+ D@ U ;
+ E ; *) ?+C +qD +GJ@ -
@ - -JJ- +@ B C +@C 8 @@ I>-+ (
;PQL) B) (8;KQK(;PQ - E@ eB@ , ?E@ -C E@
B@ @ 2 +>@ ?@=E@ "@@J@) + U@ +B-> +B@ BC@ 7 ;PQP
< 7 <!$ <& 0 ? ; 7U ;<;N == + A -,D@
G A.2 -A@ BC@ -C+B + - B@@J ;PKN 3. ?)*)
8 CE (=QL B@G A-+@D2 +B + ,+B->.B +B@ U. +(@C@ W-?
B + BC@ B@ + +B@ C +2 G@+ A + ?@ @ ?!) B+ E@ -?@
B@@J@ , ;M=P ' 8 .. 0 ;MPN(- + B@+6C +-
-$ " !BC@ +B@A !B@@J -C+B->.B ,@A @) E@ +B@D>?E
#C +-C - E@>+G2 G@+ &B,) ? + D>,, 7 @ W >, -? AD
+D -> SMMS &- "! G .)) ! -? CC + B@@J2
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SKDP =) . ! 9 6 555) 0 " W @C+ A
@? 8 @ -AD %, ? A2 -C ?-C@ J-J>, C,G B@@J(
M !!OB% 0 85-C * ! $ H . %(+
@ +B@C ? D@ C-? +B@ U A - +B@ B@@J + @D +
E--UE AD A.)
B@ +@C ? B .-A@ ->+ - > @ A +BE E--UE AD A. +C D@2 +B@
? +@C , E@ A. UA- A >AD@C -+B@C A ?@ 2 @2 . &$ (1 5 !0
;QNP &' 0 <$ (- =;) = &C @ E->AD A !B@@J' KD
;QOQ `>T'5) ,,0 0 % C 7U ;QPP " C ;PM
+- +B@ C@J-C+ - C G J--C B> E AD' +@ , A. -) 2 + C@ ,,G
% #>AD @ 2 NC B@ , G E AD A B@@J ;KLM G - H
$ $!0 ?. 0 5@E < ; 5@CA AD@ ' !J A B C ?? C2 K -
B@@J2 o! ;KQ< $! , '0 $) <N !B@@J ? G
E@ B D B +@ AD # ,, -,->C 2 +- $ P T % % $!0
?. 0 - QNK PL #A@ -,>?@ A -,D B@-J2 +B@ -+B@C A ,
2 1(AD & 10 *G)-0+ @2 *
,$." & b
;PP ' . ! !B@J@ ++@,,2 C ,) 0 ;P<M = B! $! 0
* ONP B@C@ E@ + - -C+@ - !B@@J 3 +@,,2 +B@E@++@) + C ,X @C - $-J?@G ,3 C,B 4, A : $-E)+ -A 0
C
-C+ +B- @ - +B@ - + --,` PPK , &!0 " - !0
L;Q2 * B@J@ B-..@ D-. 0 ,0 8 !K)(=
5->C B@@J ,,@D B@@J B-..@ 2 ,>@ $-C2 Q<L $!$*
< ' 2 3 :-BA2 U@ - 2 -C B@@JE-.2 ?+
E f # 2 E@,-A. A. +-2 JC-D> @) EG) -C %# +
@?@D +B B@@J2 *3)' " %$ "36 !! F- ..
@+
SM I . ' !0 -*& 550 - E@?- + JC-J@C -G,@+)
-C CD@A C@ G->C !B@@J D>/.2 G->C "@A ?> U ;<NM `
% 7 % 0 1 S 2 OQN %- D IA. AD B@@J
D>A. C@ ;=QL &(?.0 LKM B + A- B A F >J @
+B@ C B@J@ @GC@ E>+ E@+ @@A B@ - -CD G +@ JD +B@
7 B +@ C@C@ , A@ SK A %-EE@++) 0 8;KKP(; ;PN ;
B@ A+B - # +-E@C +B@ !E@ C CS=NN $) &"
?.0 Q<; 3 @D@@ GD@ +- , -A +B A+ #,D@ ? U@ +B@
+B + B@J@ @ 7 GAA@ +- ?-C @ +B -6+@A J@C@, ;PM A
$0 ,0 ,0)1! 8 !. : LL B +A- E-)B@C) B ,,
@,, AG - +B@C B@J @,, ;M;P 1 SS L AD@C
B ?2 A #S@ B D@ A@) D@ D H E->@ B ? !B@@J @,W +-C@
4 L<K $! ?$ 0 L C0 0 SGA 80-D, 3!(b ! GA@
@ B@ AD 8E@J@ @ B@ E@++@C C@ +@D *?A -D@ +!) A
!B CC@ ,0 !!0 !0 8;K;=(WM -??-A B@JB@CD A
@ B J C B ->,D +@AD +- A C@ @ +B@ E@@J - UW SK-S
$! $0 JC ND J-J>, + -A ,@ @A@D EG
.@A@C , ?C-D> +,- - +B@ B) BD E ADCG A +B@ " .BY
, AD S) M C 0 $!"< &$ =N %- U "%-?E AD
B@@JVU +@G2 B-JJ@D >J ,+E ?>++-B EJJ AD, @C ;M<=
& (<$0 LNNN J ,C - !B@@J 4)+B@C OC@@ B@
;KKM % ,& 3 *B$ - =L B@ > @ - @A , .@ - @CY
-?@ ? AG D >,+ @ A B)@J ? A .@?@A+ QQ< &
- LQ .C@@AE @ ?@D +B AD A. B@@J J +B ;KPQ
' B7 &-?&2 2 B@ B@@J J +B C>AA A. A.
+B@ C D@ U@ C>,@D , A@ !KPK =) 0 $ (
T ** ! (+B@ U A - B@@J2 C@ B - C +@ D 2 A+@AD@D -C
,@ +B@C ;KN; $ - $0 : A =P @ @C2) -A. +B@
-A+ A> ,,G B A. A. ?-D@ - B -A E,@ -,,+@))B@@J
C @ B->,D B JJ@A +- E@ -?@ +B@ C .@ 2SKKM
* $- ' ;KL 7 B@+B@C ++ +B@ JC@ @A+D @C +@ - +B@
B@@J C @ C@ D@ @AD@D C-? -A@ -C . A ,J C -C A-+ ;QK
7 " = .. F;Q<P;;; LO-% 7 +-A !B@@J B-
1 0 LOL B@ .C@ +@ + B@@J B- " A +B@ %->A+CG
: $-0 $ - 7 G C LN< !B@@J +- U B @ E@@A
->AD ?-C@ JC- + E,@ +B +(.- + ;P) L= - UBH ^) 0
e == U@ + - J->AD@ - B@J@ >@+ ?-,+@A ;P2 ! B@ J
+ B+ ^ @@ .. 8 \10 * < 3 * 0 A) 50
8;KON(;KL +@CCG +B@A ,--U@D E->+ AD ->AD B@@J
+C U ;KO< '' &%< 0 S 2 J +B2 -C C +B@C B@@J
+C U ;MMN $1! <O !B@@J +C-++@C 2 AD
-+B@C - , !Q=< !+ # O+ < ! ? $ S 8;QKO(K=
B>.@ C @@ - B@@J +C-++@C)
b " A. +- - +B +B@ C@A+ A.2 U@@J A.2 -C
@@D A. E B@@J2 -C +B@ A @ -)@@J2 *
1$ - (31&B" 3,& - - &'(@+
KMK * 0 E0 0 &- -0 ,(8;KM<(! B@ C@? A A.
+ @A+G ->C @C@ J>+ J +B@) E@@J E ? SW= ! % ' ..
!$ ' K; B@ B@@J E-G B ? .- A ;KP< = "
A " 0 !S S2 & J@2 B JJG B J E-G2 - @ ;QNQ
=) 10 8;QO;(OQQ "@ D @D +B@ +>CA A. -
+B@ 7 B -) !B@@J '%- ?? -A +- +B@ $--+ - +B@ C@@
;KQO &' ! > 0 ?&"> ''0 L; O @A +B-> AD C@
- C + , B@@J ->A+CG ;KNP $ 7 C $, 0
,0 ;NK B@ A ,- >C@ -A B@@J D- A 61 0 QQQ
7 B@C@ +B@ @,D D-@ A-) > @@D2 J-C+ -A - B@@J @@D
? G E@ -CD@D -C A+@C AD JC A. 6 @ ;POL; L= - UB :
)6L0 e SK B-> B ,+@ A-+ A) @ +- EG@ AG B>CD@, D-C
B@J@ A@U@ ;KSO : . " (10 ,& 0 ; L<
B@ @,D ? G E@ @ @ +> ,,G >ED D@D EG B@@J , U@ 2 -C
B>CD,@ ;KNP $ 7 C $, 0 ,0 0 LPN A+@AD@D
@ +B@C -C C-J - @@D2 -C -C B@@J --D ;PMN
" !& %%&" 7U -, S 7 B + !A@J@ .C->AD J@+E
+B@ @ % +@CJG,,@C - +B@ -??>A@ @ ,@ ;Q=L P)) $' 0
- * & ,/ ;=K B@ !B@@J C->AD E->AD +B
? AG !JC A. - .--D 7 +@C ;KOO L= <&&) " 0
8@D =( ) L d/ @? A>+@ @.. ? G @S + A +EW + .A A+
+?- JB@C@ - +B@ B@@J .C->AD ;KLN)-1! 0 $ - *0
PP H '!% 1'' %0 V'& !) 10 " 2 " G2 A B@@J E 9
-C C E 2 . @A ,-A. +B +>CA J) $- ,,0
&!! 8!>C+@@ C LNO + >C@ @?J+ JC-) E@J@E@UUG
J>D ,@ "-,?@ O? % $- C $ (: A K AD
EC->.) A+- >U -A -C +B@ JC)> + -A -) E@@J

U@@J2 $ BOO .) 10 8;QPQ(LL< B@ B@@J AD +
JJ,@ -CD >E*@ + +- +B@ + ..@C SM-M & ' $-
,0 OK; - C@D> @ +B@ B@J@ ? CU@++ +B +B@C +-
J, @ @C+ GA@ SMSX . 6& ' O B@C@ + ",@C> ,@?
EG +B@ B@@J ? CU@+2 J--,@ ;POL L= - U) 10
e LQ B + ? A2 +B +B +B +B@ E@ + B@J@ J +>C@ -C GA+@C
;QKO 3 B 0 ;OQ !@ @C , B>ADC@D - B@@J
J +>C@ ++,@ B @ A @ E@@A D D@D -A +B- @ D @C@A+
+C U KL- A 1 0 E 0V '&2 !0(' 10[0 OO 7 B@A
+B@ , AD A J--C B@@J J +>C@ SK X ' .1 &- *0
&! 0 ;L B@ D>,, B@@J J-AD ++@C@D B@C@ AD
+B@C@ 4MKL $" & $! ;=O B@ - J@, +@ + @
- !B@@J &-- ^:-BA Oa ;K=P 8 7 ! &%
), 7 B@C@ B@@J C A.@ ,@ D +- ++,@ +C + ;KMK
*(E 0 0 &- -0 ,0 8;KM<(;PN B@ , AD D D@D
-,,- ,,@D , AD2 2 C- D 2 J +>C@2 AD B@@J C A.@ SM--
) , 20 ,,0 C ' &'(,0 8!>C+@@ (=K 5-C E@J@ , @
+B@ +B CD - /@ @?E@C2 * D ;Q 7 7 " = .. & . 0
LP; *3 $! (+ C AD .C@ @ -C DC@) B@@J +B
;KL= $ >C $ 0 =;; B@@J + + -A A +B@ A+@C -C ^-
> +C , a ;QLL B.. & 3 & ') 1050 5 @&->BD
@ B 8 B B E>+ B CD - +B@ 7 @ .B+ - +B@, C.@ X@
- !E@@J >CA@J (;KN< : 8 $ 0 $!
- @ @CG C ? G CD ->.B+ +- E@ ++ B@D B@@J G ,D2 -C
E-CA@ -,D2 -?J,@+@,G @A @D A ;K=O 66 &&!! '
$') % LKQ ,, -A,G DD ?G +@ + ?-AG A ->C -
B@@J G CD D>A. ;ML= 7 9) 2 ' 0 C & *(8;KMP(
P= A A ,,) B@@J@ G@ C@ B @ UA- A@ 3 >++? D@@C@
A #,D OA., AD
D -E*@ + @ AD -E*@ + @ .@A + @2 *3
1 " 3,! ** (3 $0 (3 $0 ' (@+ 2
;K=; C ''" ",!0 4 4 LPM O B A ?J-C+ A+ -AY
D@C + -A +B +B@ B@@J EC@@D@C P 3) . $ '0
44 Q2 B >@ B@CD@) @ +B + +B-> E) + E@J@ ,GJJ@C!
4KQP B - !0 0 ,0 &,0
A-+B@C J C+ - +B@ J
KKM % *%$ - ' LN B@ 9@A+ B B@@J

L% &! 7 &- 0 & 5& !' 0 S :@+BC- B !B@@J@
U@@J@C $ $/>) 8& + -++ @(&'0 ,& 0 8! !(
;; OKO B- A+ B@ C A- B+ ,@ ?@D 6? C A-C B@ +B + A@
-?@ C +B@ B J U@ J A. ;KS< ",!0(T *3
$- 1 '00 7B- B +B@ ? -O.@?@A+ - +B@
@ @ ,- U 2 B B S@ >AD@C +B@ + +@ - , ?E A.2 , SK)
< ,0 $ - ? * 0 O; A 1 0 E %0 V'&2 !0( ) 10 " 2
B@ D>A. ? D@ A +B@ B@@J , ?E A. -,D 4PMN
6 2 !& % 6&" 7U!d) " - '1) " -7 @ D- +B@ CG B ?@A2 AD
J@ ,,G > B@ E#)@J@?-A.@C -JJC@ @ +B@ U).@
,G@.@ J@-J,@ EG D@>J>CGA.@ +B@GC -??>A@ J +>C@ G+B
+B@GC B@J@ ;QNQ : $ @)- * & % ONP
!B @J A JJ@O2 B- @ C) - D@@J B@ >.B+ A
+B@ %-CA :B@' ? CU'D -C !B@@J SK) C ''" ",!(O
LMP ; B @ - +B@ @ B B B->,D A@ @C E@
-C.-++@A EG +B@ B@@J - A@C ;KMP B , !. &
$' B@ , C.@ + B@@J C @C A A., AD
SKLL ',",!0 ' (4 LPO !B@@J $ A. SKK- ,Q
& $' 0 MMN " D A-+ +B@ - , E@@A @,, D J+@D +-
B@@J C A. - +B@ B .B@ + -CD@C SMXX ' (0
KN A -,D !B@@J@ B + A. $-.+@ MKS A $!(
,0 8;Q==(44 B@G C@ A- ?-C@ +- E@ C@ , ?@D +B A
!B@@J 7 -CC @C ;KQL 3 &)' 0 S QO
@C @ AD .@ D-.2 -A C?@D B@@J -CC @C ;<NL
$) 7 ' " ! ;OO B + !B@@J -CCG -
>C-J@2 B@A J .?G J-,@-A @A+@C D " @C - @C@ .A
B ?E@C 2 ;KML 7 % .) 8 % 0) ' ' S = Q B@G
B A.D- A +B@ C B@ D , U@D-.) -A +@D - E@@J -CCG A.
@ A +C> ?@A+ , AD D @CE ,2 *31 &2
*32 (@+
;KQN = $!" C$ 0 P B@ B@@J EC- @D
,-J) $;7Q : 66 ! &2 8;KK<(LL; 2 6 J
+B@ C->AD B ,,2 B@@J D-++@D2 B G SK)
,(? %& =PN B@ -+B@C J C+ ^S 2- @,D, - A
D- A >J-A B@@J @D " A :>A@ K+ 7
(A 2 9@,,G , B@@J A EE,@D +-J2 ;K<= / >
3 6U O$!1" ;=Q " @ @A+ ->+ -C +C-,, -A B@@J
+C ??@D D- A SK K ') &2 '' F &) ' "S 2 - B@@J
B +- B ,, ?G D @,, A. , AU
K !) , -?E E@@J E -, f &, ' &)3
&' ' 8 @@ = I D E@@J E +C2 U AD -
B>CD,@ -A B B B@@J C@ , D +- E@ , JJ@D:
B@@J E@,,2 E@,, BAA C -A B@@J' A@ U 8 @@
.."8 DE B@@J E@CCG2 +B@ -C+B ?@C A
+C@@2) 1) ') - ' $ &(-C + C> +2 B B
A @D +J C@ @?E,@ B@@J DC-JJ A. B@@J E--U2
E--U - ->A+ A B B C@ @A+@C@D +B@ J CY
+ >, C C@, +A. +- ,- U - B@@J B@@J B-+
8 ,G(2 +B@ E-+ ,G) $$ H * B@@J EC AD f
1"= B@@J E>.2 -6@ - +B@ 5-$ $
- ? +@ 2 A @ +A. B@@J B@@J ->A+@C2
->A+@C -C +-U@A > @D A ->A+ A. B@@J 8 !B)
' 0 ,E * LK(B@@J C--U2 B@JB@CD'
C--U C@@J D J2 8 (f 1"8 O 8)(
J, @ B@C@ B@@J C@ B@D - B@!J
D JJ A. B@@J D-.2 8 (D-. +B + +@AD B@%J
* ,(-A@ #C -+B@C - +B@ C @+ @ +C A@D -C +B
J>CJ- @2 +B@ ! -+ B -,, @2 AD +B@ E-E + ,@D
A., B B@@J D-.: * > 0 & >(=1+ % 0
B J@C-A B@@J DC A2 A -J@A DC A >+ A
.C , AD E->+ ;K A B@ D@ EG ;K A B@ D@@J
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) (D B@@J . 8 @@ - 7 10 B: B@@J C?2
+C + - , AD D@ -+@D +- B@@J C@ C A. +- B@@J
C? 0(B@@J C?@C2 C? A. B@@J CG2
8 (j 1" 41+ ,G2 , ! $,$ $(
A @ +A. , @ B@@J B@@J -DD@C J, A+2 !->+B

C A J, A+2 C ' 0 $ $ $ 8 3 ,,@C C!$' 3'0
;KK=(B@@J - ,) ' ' (- , A. 8 @@ - .
O(- +B@ +C U EG B@@J i B@@J >CC@D 2
+C ??@D +B B@@J --, B@@J . D ,G2)
d : B@@J . C+B2 B@@J -,D B@@J . +@2 8 (
Y< 1 Ka J +>C .@2 -C +B@ C .B+ - J +>C .@2
-C B@@J 8-C B@@J(8#D Y< C a . +@ -C
+B@ J) - B@@J B>CD,@ -+ @A ,- A. B@@J
B@@J .,>@ J @ @ 8 @@ I>- (B@@J B@ 2
B@@J ,U B@@J B@CD@C 4 0 0(-A@ B-)B@CD
B@@J A , C.@ A>?E@C A >A @A @D ->A+CG
+ B@@J E->AD f *3 & >(B@@J U ,,
!$) !>(B@@J U ,, A. J@AAG.C 2 " &,& "!
)! $ B@@J , >C@,2 -C+B ?@C A BC>E2
V$!- $ $' %&! $(>JJ- @D +- E@ @CG J- -A->
+- B@@J !$ - 13. !!>(B@@J ,B @ $ 0(
B@@J ,U B@@J ?@ + '' !0 (?>++-A
8O C+,@++ , 0 % - 0 KMN(!B@@J ?-A@G f
*3 ! (B@@J A@+2 A@+ -C -A A A.
B@@J >J-A +>CA J i B@@J A- @ -C?2 +B@
, C - +B@ B@@J E-+ B@@J J@AAG f *3
- &' "(B@EJ J@ +2 8 (-??-A > +C , A
@@D2 '$ &)$(+B@ B--D@D J A@ - B B
+ B A +B@ --, - B@@J 8 3 -CC) $! ' 0
;K<K(8#(f 1 4% " 0 &,0 50 ;K<K(
B@@J J, A+ f $1! * 8 @A @ + (B@@J
J- U2 (-S2 -C? - ? ,,J-S +- B B B@@J
C@ >E*@ + B@@J J- -J2 8 (f *3!$) !
8#( )* ') ' %!&) 8 3 ,,@C C!$' 3 0 ;KK=(
B@@J C U2 8 (C U C-? B B B@@J @@D
8#(B@@J B-A @ 8 (+B@ !+ C, A. B@@J C U@2
B@@J ,U -C B @@J C U B@@J C@@2 J@CY
? A@A+ B@@J -,D B@@J C@@ @ B @ B@JB@CD
B@@J C-+2 8 (+B@ C-+ A B@@J2 > @D EG +B@
JC@ @A @ - ,>U@ A +B@, @C 8#(A ?@ -C J, A+
>JJ- @D +@ > @ D @ @ A B@@J2 EA++@C -C+
AD ? C B J@AAG -C+ B@@J C>A -C .) $!0(
6"8 . E B@@J E2 U A D_ @ @ -
B@@J D>@ +- A +A B@@J @ @@D 8 @@ I 6-+ (
) @@J U 8 @@ I>-+ (B!@J , @C 8 @@
I>-+ (B@@J ,@ .B+ ^!+ ,F O)(f *3
$ 8 (B@@J ?@ C A.2 +B@ ?@ C A. - B@@J
+B + C +- U ,, @C? A , -2 U AD - + C> @D -C
+B J>CJ- @ KB@@J -CC@, OC)()'CC)@ 8 @ W(
B@@J +@ D2 +@ D A. ,0(B@@J A> B@@J
+C G2 , E@C+G - B@@J +- .C X@ -A +C + - , AD
B@@J .+ ,2 E CD - +B@ .@A> ?) " 3(
B@%J CD2 B@JB@CD i B@@J +@C
1"7 !" #: B@@J @ ,D2 B@@J J +>C@
B@@J @@D2 - J -C+2 $*&'$ $ &%) '$ 8!GD
!- @S (B@@J --, *G 2 &&! 8 @@ <(
;KQO ' BL. C " $ 0 S ;MO @ \+VD-?@D B>??- U
- CJ@U A +B3! G @C@j+@@j?j@D jBj@@J jEj D -C
&,. -&) &'' 0 ;PPQ , -&' !! 8!>C+@@ (!&O(*
S,@+C@@ 2 +B@ -+B@C B@ 3 E CC@ AD,B> ++ @ ?@A+ ;=;4
& ' $- ,0 KM2 * B@J@E@,,2 *D ;Q<= F=^) M
% 55)" %0 jEj j&!* & SSS 2 B@ @ A+ + AU, A. %] E@)
E , AD +B@ E,@ + - ,- U ;KQO . * ? !! &% (
(A %) ? !! &' S OM; ^" @a A +B B E + M +>A A.2
+- @S 8 ?> , ,@2 +B@+B@@J E@,, - ? AG- B) >:
+>C , C @AD SKS= B !& $ - 0 * ' 0 QN<
!B@@JTE@CCG 1) ') - C) ' %&!) - 00 O)Q . 7
- 0 8 KMN(;MO 1) ') - ' $ &0 !) @+ E>C
A>? !E@@JVE@CCG ;)L) !$' $ - *0 K=) A
1 0 E (V'&2 !0( ) 0 " 2 B@ +@ E--U 2 -A +A.
- -+A B--U(B E--U2) B@@J E--U ;KS< !B@@J E-+ ,G
^ @@ JV $ J% I & ",!('$ 0 KQ; O A +B@
, C - +B@ B@@J E-+ +B@C@ C@ +B C+@@A @.?@A+ ;KMO
7 2 ' , %B) 0 0 8@D L(MO= B@)@@J
E-+ ,G= * $! -"$ & + ,) + A +B@ A- +C , -
B@@J ;) M - ?!$0(< ' O=; +B@G E@ A-+2
.C@@ A. +B +B@ -A -C? +G - O, X-D +B@G ?) W@
+B@) W) U@@JEC AD ;M=Q 6 &- -(6& '' ;K
%B ,DC@A ? G E@ @ ,G -X@J@D2 AD ? D@ +- + U@
) B@@J ->A+@C -C A A.@,2 E) > @ EC- D@C AD EC .B+@)
5 & P) E -1!" d6 <& 3 O3 E@J@ C--U ?
B AD B@ J GD -C A- JCGD@ XM-- B 6. &)' "
$ - 0 SS ;PK "@ ?> + --J AD B +,@ +@C +B@?2
+BC@ +A A. +B@? +B 3 B@@J@ C--U@ ;MKQ -$$ &!!0
,0 QN 7B- B ,, A- +B@ C-G , B@@J % --U E-,D2 2
7B- A- @ >C@ +B@ +-,D 4 ;KMP 6-- 0 V 0 ,0 &,(!@C
S A)@S+C + - +-E -2 ? A> @ + bC@ -C+E@? U
A.- B@@J D J g %)* d *3
2$ 0 B@ J, @ B@C@ %B@)@@J C@ B@D2 > - ,,@D +B@
T B @J D J ;KPO $, 0 3 &,0 =;K !B@ J D JJ A.
JJ C +> #ZZh : . $! (@+ < 0? 0 OK; B@
,>@ - B@@J D JJ A.2 E-+B @ +A. A@ ,+ 2 C@?- A.
@C? A2 AD ->C A. --, .C- +B2 ;QQ= B 0 $T
8;QQQ(ONN B@ +B >,) B@@J) -. + ? +@AD A.
->C ,- U ;K== 7 % 1 * O<P B@ B@@J - A@C
B->,D A@ @C U@@J) .@ B@@J D-. ;K=K I 3
$'0 $ SSS 2 E@@J D-.] -?J A -A ` O@ UG
!B CJ +B -?J A -A ` K<Q S .) E'. (E'3
'$ S2 &B , J +@C ->,DA + ? A .@ +- .@+ G C-?
O>4+->:> + A- 2 - B@C@ ; ?2 +B->+ AG B@@J D-. +
,, ;K== " 1 ? .0 $ - =<Q 7 B@I +B@ .C
!? --+B AD +B@ - , JC@++G D@@J2 +B A@ -A-? , ?-D@
- ? U A. > B DC A 2 B B B @ C@) @D +B@ JJ@,, + -A
-) B@@J DC?A! ;P<O (* 0 C ' E 7U 8 C- C+(
,2 K B@ ->C+B 6-AD - DC>AU CD(!E@@J@ DA?U@2
A B # A -A @ J+2 B@A B@) -+ EC A. -C) C .B+
-CD ;Q) B 7 A ',", 84Q<Q( ))

- % Q 45 - !
-? @SJC@ ,G +- + ,, AD B@@J , C? ?&(60 . 8

$T $! B@',@ +'@A, .B+@A@D' B@@J' C?@C'-' 5C A @' 0' B@' C->'J, A'-' B@@J C? A))' ;MPK 3 =)'+C' &) %' $0' ' 0 ;' S '<L=' B@' U'-C !B@@Jb ,G' <N' $) 'Q >.' LP' B@', @ B +-CG'-'+B@' B@@J ,G'4) $' ! $ $+(;K=' 11 ' % '&%'*& T' -$''S 2' 5-C' 'A-?@)' ' B@@J -,'A- 'E ,@'+B@' ! @A+' P<Q ' ' ' ' - &) = 85&) /5 +';Q ;" !B@@J@' CD' B-C+' .- A@' +!-' 7. ' ' -T' N&&!T' 8;K;L(LNK B@' B@@J' . D ,G' ;PQN ++' $'*' B' !B@@J. C+B2 &) ! T' $)!' 99' $ '8!>CY

A A.'-'+B@'B6A' 4KQ' . 3 ' -0? 'C'OOP' B@'D+ ->' ,- @+@'-' !B@@J -CC@,') - 5' , & E$305 ' T' , %& $+(2PK;' 0 $ ((,& (8;KKK(KL O G?JJ++ '@+' @ ! B@J' @D 2 SM ' $(8VK<O(OL< O @' @E@J +@D 2 J +>C@ 2 JC@D @+JC ,@. JB +>C C>?' 0C "' &)',! ,&('!#' B@'+ ' B@ J' +@D A. 'J@C+@A A.' AD' D* @A+'

SS>_'+-.' B@'+B CD'^U AD'-' ! 6->a' ,,@D' A' "A.,+ B' !B@@J@'! E -> ' A' 5C@A B' ,$1) ' 1 E)' OKS= # '!!!) 0' & ' D0 &' B@' ,,' AD' C-- 2 B B' @C@2 A C> +@D' +B' @@J ,@C' AD' J C' OK=Q ' . . 8 . . ! T *)3! (B@@J'' J +>C@2 -C' ,U2 & 0 ;MM=' 3 . 'V$!0' & 0 >.' QO B@' !@ ? A.' JJ,@2 %> B-A' JJ,@22 !B@@J A->+' ;PQK' 2

[illegible]

[illegible]

[illegible]

* $) $ ') "' , A @ + WB@@J2 @ ? E@DD A. + B@ 2D A +B@ U A AD @S+C + A. +) " - - D , - 1".

X += W & A 7 C 7 N ,) Sh , $ - ' ' B@J +GU@ ;P<K), &) MK T% $(B@ B@JB@) D -C @ ->,D E >@ >@D +B-> AD ? -C@ !&/ G@2 B,J + U@ 2 A-+B A. @, @ SMMK - - $ (=N ") "' +B@) @@J @@U ;KLQ &5B *' P== " @ B@ ? + U JC-J . +@ +B ? > B C J D +G2 ,+B->.B A-+ +- E@ - ? Y J C@D +B +B@ E@@J ,-> @ ;K== @ 1 *EK < !6"* 4;N< !B@@J C@ @ +@D EG +C->E,@ - ? @ A @ +) +B@ U@E -C U@D2 -C B@@J + U

9 1 $ +C + - .C), AD > @D -C J +>C A. B@@J

S! ' *E"* $, S S ONP - A@ J>,,@D D- A@ -C B@@J@ ,U ;MMQ = . (S =L; B@,D2 & C+ C E,@ AD + ,+B2 +B@ -+B@C J C+ B@@J ,U AD ->,D 4QK= #- & $ $. S+ !B@@J ,U J-J>,J6 +B E,@ + A. , ? E) SKS- !0$ "& (;; S D 2 :+B@ D ,@ C@ A- -A@ B@@J ,U2 7 +@ AD D@ S□ D *3%$ ' ' ' ;OO +>DG - +B@ E-+ AG AD .@-,-.G- E@@J),U -A@- E@ ? + +@J +-!> @ >, B@CD A.

"@A @ !B@ J ,U C) ,E0"' B@@J ? +@C ;KKP $!" !(ON - 2 8% 2) B@ E@@J ,U@C - C A U ,, AD + +- +B@ C A+@C@) +- D J- @ - +E@,C JC-Y D> @ EG G - > U, AD

1 ?5 10

; B@ B A. - B@@J E@ -C@ B@ C A. +B@ J, @ B@C@ B@@J C@ B@D

Q=< A 0 C B $) !0 $5 8;KK;P(B>? !+ A@ -A @ J @ A QM= QW 1 (O<; ,> A>A I > D +>C !+>C D D>? A-? A@ ! I @J@ >> @ ;M=N 8 2 & $ ' , 0 & ;< 8 " ,, (@@D U% + +@A AD ,> +G B@@ @ U@ + ->C B@@J@ B ;KQQ <!& 0 . *32 ."' J, @ A +C@ ? -C J-AD B@C@ B@@J C@ B@D ;K<N !1&) ') < > . = O B@G ->,D + C+ B@ C A. A +BC@@ @@U " @ 7 ->,D 2.@+ ? @ E--U@D -C . --D E ,,@+ A +B@ B) J B 4K<K & '3) 3 $- & ' ;K< B@ B@@J B -C +B@ > @ - ,, B- U@J+ B@@J

/ JC@J C + -A > @D A B A.)@@J) B@@J

J

;KPK ! 3 3# / ! 0 $ *d "0 0_ ? S+>C@ - C @A -> DD AD - + - J A +@C2 A E D E) J C@ JJ@D ;KKO / 9) ' *3 * * -) ;KKP() ;M + B E@@A > + - ? CG +- @ ? J, -G +-E - +@C B@@J2 B "@A @ !B@@ J , 0(!, @@ J , C2 !,B@@ J C , A. 1!0 10 m , - $ +

X) $ 2 " ' "3 $5& ' (S2 " @ D . C B@@J B -C J, ->.B +B@C@ ;) N] &!0 %& - ^KJS(;OO 3 @A @C@ @ ? J, -G@D) B@) E@C XK M 7 ! # &, - 1 0 7 U 2 ;KPP : ;Q= ? >+ ? >C -2 ,@ B@@J B,A. 1 CC- 2 S) !0 ,0 &,0 @C A LQ9 B@@J B A. $"' -A +B@ G@ ;K<< !1) > " E 0G , <O< 7) ? @ @S E @D+-D @ >) C @A ,=V, . ? @A+ A B@@J B A.2

! , @ @ J G % J (V b % ! " + i a - 2 ,@C+ - A. -C (@ @ ? E,*g) B+@J2 !) 6LKQ K & 8 ! U) J SM+ + .C@ @+B ? @ L C@ ? @ ? EC@ +B@ @ DG @C @A+@A #)))A * A. 6+ U - +B@ @ B@JG J@-J,@2 SPKM ! / 7 7 #) F2 B@ B@@JG C@ @2 B@ +C@@+@ E ,, @ ? +,G -U6 LI ;.OI.) ? " * 0 >. , 3? . 0Q B@ T !! . ! !! ;W - ,, B> ? A ->AD +B@ ? - + , U@ E,@ + A. + !B@@J @C+B A ? -A-+-A > + E -,>+@,G ? >++->) > 4K<4 3 !*0- C ' & %) & 'D0 ;L; " @ ,,@D +B@ - , > . ,>B +B@ ? - + B@@JG - B@@J

8: (2 1L $) E > , - Q2 < C 3 2 K B@C@ ^ > T

2 A EC>J+ D @C.@A @ -C D@ + -A - @ @, C- ? +B@ , A@ - B@C ->C @ @C @)

;MQN (B7B #S 5 A C 8;M<=(42 A D A. @C - C>AA A. +B@ !B J +) A + +@@J ,- U B@ + U A. B@ C +B +B@ # 4QOP C !("&% 0 4 4 4 6 =OP) J E "-C@ 7 6D ,D@ +@ -?B@C+C>@%->C @ - ? @+ ? @ -A@ 7 G) - ? @+ ? @ A-+B@C2 ? B@C 1 AD !B@@C ! : 52 1 C $ H0 S OP= :> + . @ +B@ E- + A@@C +-) ! G-AD@C ,- 2 ADG J- A+ ;8) < 7 2 ! = S V4 &&!$ H0 8PKPN(;= B@ +@@C ? A D C@ +@D +- J>+ +B@ B@, ? > J2 A -CD@C +J . @ B@C B@@C ->+ - +B@ G ;K<Q - O+ 5@E ;; B@ B@ G B@@C B B > B mC>DD) ,) _ @ @, ->,D+ U@ A E@ A. +- @D

E &%%M A + - B@@C A. - 8 @@ I

! O ; (2)

SK-K $0 - ! & ' 0 4 4 =PN B ? @D J B .C@ + -AY > -A ? -A. +B@ ? +B + +B@G . - + +B@ C .C JJ, A. >AB--U@D2 AD +--U EC- D B@@C -

/ A -E, C @ J- + -A +- -C+ U) EG @ @, B@A >AD@C G -C B@A C D A. + A. ,@ A B-C & 1 $. - @ @,2 +# E@ -C @D EG B A.@ - AD -C >CC@A+ ->+ - +B@ J- + -) @@C A B B E@ J, @D

' ' $ - $ ' * O=Q - EC@ U B@C B@@C $;Q<Q " A > ' , " , !0 ? 0 L(4 LQN O , G A. A 8B@ -C@ D J@ + -AV AD B@ EC@ U B@C B@) ^ ADa C@ - @C 2 ,@+ +B@ ? A G CD E@ . A EC @D E->+ E>+ B@ - ? @ +- B@@C +B@ -+B@C 7 G EC @ +B@ -C@Y G CD +- ;KMP & ' 0 $ 0 JC =MP - JC@ @A+ +B 2 A E,@ ? +@C ,, @AD@ ->C +- ? U@ B @ @ @) , ? +B B@@C Y $ C@ + % C@ C@ I > C@D A + B A. +B@ @ @, A +B J- + - A2 ,@ + + B->,D ,, - -C EC@ D + B@@C ;KMQ $!& > & L.0

O %% 10 B@) E- - ?) %% . ' (E- - ? +- + B D- + A. ,-. AD +>CA +B@ ? A +B@ D@ C@D D C@ + -A E@@C , ,+@2 ? EC)) 2 +B@ +C@+D @D B @C -) ,G A. EC D.@ ,-A. B B +B@ E- + J @

SK M " B7. E 0 ? == E,@ -C B@@C , A@2 +C@+ B@D C- +B@ C @C OKQP := 0 , 0(!B@@C E 9-? OKQ<) - 1 - & ' > < O0 ; # + 2 C- -

[@C +- B B +B@G B @ ++ B@D B@@C E- - ? O2PNN @@+ A@ ! B@M, 6 0 ' B@CD2 & B@ C2 KP $ > @ .0 1

/ 1 2 # 2 2

& ')) 5 - > C A @ C O2 ;MMQ(2 $

1 & ') \ / $L

2 B@ -C@ AD + >J CD >C +>C@ -C C @ - +B@ D@ U -C E>, CU - @ @, +B@ >C @ - +B@ >JJ@C , A@ - @ @, B- A A @C+ , @ + -A $ -C ! ! (E ? 'D,G A-+ @ E,@ C @ + @ E- AD +@CA A) , . ((-C $ ' B@@C +B ? ,, C D > - >C +>C@

M<; ' . V ,0 * ' ' 0 ;O; B@ @ + -A - +B@ B-,@ !B J A ,>D@D E@+ @@A +B@ &, AU B@@C A.2 AD +B@ 9@@, 2 +B@ >JJ@C , A@ - B B @ + -A ,,@D +B@ !B@@C - +B@ !B J 4Q44 7 B .)) E 0 (PN B@ I > U@C +B@ !B@@C +B@ ? -C@ + -A+C E>+@ + -) @ +C@A. +B - +B@ B J ;QQ<) A C !0 $ ' 0 4 4 ,-X2 ->AD B@C J@C @ +,G >JC .B+2 AD B@C B@C@ 8-C ! D@ JJ@ C A @(+B@ ? @ B@A C + E> ,+ OKLL) R ,0 $ (, (B@G , U@ @ B->,D B @ ? -C@ B@@C A JC-J-C+ -A +- +B@ C ,@A. +B +B A , C. @C @ @, ;KQK 7 2 " 1 &"0 C$* $ ' & ;NP "@C .C@ + B@) 2 >,, E- 2 AD ? --+BA@ - B>,, U@J+ B@C C- ? ? *) A. ;KK= C $!! $!! <$0 P !@J+ O ; O - + +B B .B B@@C + @ B @AD ;KK< 9 . 5 31.0 $ $! , 0)=; B@ -A D@C E,@ B@@C 8-C >C @ >J CD (. @A +- +BC C @AD

O $.

4K=4 $ - $ $ ' 0 ;OL -C 0 $. 0 4KK< $ 8 . 7 !) "' 2 S OLP " B@@, 2 DC @A EG +B@ -C @ - +B@ + D@ -A +B@ B@@C - +A@ E- +

L & - . B@@C E ++@A2 8 (@@ I > -+2 8) (A A@ @)

B J E> ,D A.2 T +C J A 7 +- +B@ C E +- AD +@ +B@ J -C+ -A - +B@ " @ -C E@AD JC@J C + -CG +I) +B- @ J, AU E@ A. E-,+@D -A " 89A .B+ 1 0 . (;KQP(B@@C E> ,+ $0(E> ,+ +B 8, ++,@2 .C@ +2 @+ ( ) @MC B@@C > . B+ 8 DC +(2 +B@ B@@C) J, A B@@C , 6 @2 +B@ , A@ - @,@ + -A - B J' D@ U B@@C ? ->,D 8 @@ , - I > -+2 ;K=M(B@@C 2 C , 8 @@ ->-+) B@@C +C U-2 + @ >JJ@CY ? - + +C U@ - +B@) D@ J, ++U A. - J, + A. - @ @,2 _H `& $! . B@@C ,@ ' . . 2 $ %> $ > & 31.0(T . 31$ ' (E ++@A +C@+ B@D E I C X-A+ ,,G ,-A. +B@ BC->D 2 AD @ X@D C ? ,G E- @ @ B - +B@ C) D @G@ 2 DCG A. +- JC@ @A+ +B@ D@) @G@ C- ? +>CA A. + + +) C+ W& , . ($ $$$ 85 B SB E &>E (;; B@ E- + 2 C@ @CG B@@C E> ,+2 AD +B@ , AU@C -CU > > ,,G - @D C OQM< - . I 0 $ ' 8;QLN(% E2 B@ B-,@ ,@ .D - +B@ B J C@JC@ @A+@D -CD A. +- D@ @ 2 J@CJ@AD >, C+- +B@ U@@E AD +@C ? @D +E@J, A@ - @,@ + -A) -C B@@C =C >.B6) KLN = V ' % 2 " S, S2 B@ D ? @A -A ` UA@ ? G +B@ B@ ? DC >) + OQ) % " 0 ? 0 @D L(4 LKL O 7 B@A + A + JC-J@C J- + -A2 +B@ , A@ 7 5 ,, E@ A +B@ ? @ J, A@ +B +B@ B@@C , A@ OK=M B 7 $) 0 0 O=P $ ' 3! ' (00 0 ? ,, C-J@ -C -C ? A. +B@ B@@C - +B@ !B J D*> +@D -A +B@ B J D@ EG ? @ A - ,-A. +B A J, AU2 ,,@D +B@ B@@C ? ->,D OKMQ $!&% & 31.0(0 - &) ! (GA-AG ? -> +B C ? , A@ OQ<Q ' , * , !0 ? 0 8@D L(4 LQQ B@ T . *!$ ' -C $) (-+B@C @ ,,@D *!$ ' % ! $ & ' (+B + @ + -A - +B@ B J B B ? D@ EG @C+ ,J, A@ J C A. +BC->.B +B@ U@@, OK<K ' , " , !0 *& PQ 81 A+ A. (B@ T B@@C J, A -C, -A. +>D A ,D@ + -A2 A- A. +B@ , A@ - ,@A. +B C- ? +@ ? +- +@CA2 +B + +- G2 +B@ B@@C , A@2 +@C BA@ 2 , A@ - U@@,2 AD , A@ - B@ .B+ C- ? U@@, +-) A ,@ OQM< - . ($ ' 8 Q) E ' ! 00_5 , U@ @ A ? ,) >J-A @ @C , J, AU , -A. +B@ D@ -A@ A J C+ >, C ,,@D +B@ B@@C C ,2 B B , ? + +B@ B@ .B+ - +B@ D@ C- ? +B@ -C@ +,@ +- +B@ I > C+@CY D@ U2 AD C>A + +- +B@ +@ A2 AD -C CD +- +B@ + B@ D OK=M B 7 $) 0 0(T $! (A ? D -C +B@ ? ->,D A. C->AD @ @, +-J D@ SK-W *2 > $ 0 0 ;LN T L3 $. 0 9KQ= ['5 0" ($ $! , 0 ;NO !B@@C +C U@ C@ +B@ +C@D@@ D+ +B@ J, + A. 8.@A@C ,,G ->+@C(B B C@ D* @A+ +- +B@ JC A J , D@) SK $!"' !0 = 3 G2 @ @, B- @ !B@@C +C U@ J, +@ E B , E- @ AD B , E@,- +B@ , A@ - ? $ A D@ U E@ ? 2 ;KNP *2 > $ 3 0 ;LN T 02$! -C ! 3& $! 0 +B- @ +C U@ - +B U +> A +B@ +-J D@ I +BC@@ D@ U@D B J B B C@ C->.B+ E@+ @@A +B@ ? DD,@ AD ,- @C D@ U J-C+

$! $0 AD $ 0 5-C ? L -@C@2 L2 P @E@C@2 = B,@C@2 M Q E@C@2 E@@C@2 E@ C@2 8 M ,0 -B C@(2 Q E @C2 E@ C2 M E@@C ^3 , , # T , . f # . 8! 2 $ (/ .B # @A+ +GJ@ T .$ &3(C@, +@D +- +B@ GA-AG ? -A T &3(! ? $0 + J- E,@ +B + +B@ 3 -CD A D-J+ -A C- ? # 2 +B@ A + , 8 U(E@ A. ? -D @D +- 8 (EG +B@ A ,>@A @ - +B@ C@, +@D A + @ D* a $ B0

S@ ? J+2 C@@ 8 C- ? @C @ -C @B,+G(,@ C2 I > ++@D 8 C- ? . > ,+ -C C ? @(1 0 b ! ;OQPO " @- E EE@ I >@!@A > @C@ A> \ >@C@ ? C@ ;= $2 % =ON G +G D@,G @C@D@ JCG >A 2 AD ? D@ B ? I >G+ AD @E@C@ i / # +B@ AD C O,- A. +@ D ,G , -A@ D C@ + -A 8% < (1 0 , ;O2M 0 , $!OP+A ! ' 0 0 LNN - B + -AD@C C@ @2 AD -AD@C @ B@- ->L+@ -AD@C K B@C@ GAD B@- EA # B C B A2 J C @ A1 0 CS=- - = BB) 3 8 ! J,SS OPO ,,@ +B@ C+ C @A@ E A ? ,@ I G@A AD , + ,,@ - " @CD2 AD B-+ +E UU@ B@C@D2 E>+ B @C@ ! # , .B+ OC .B+2 B A A. # +@C2 CG + ,2 @+ %,@ C AD JAC@: +C A ,> @A+ 1 0 + ! D < .) 7 0 + =Q B2 B@ +@C E J>C@ AD B@CD = ? A > .B+ @,, E >@ @@A@ AD A> ? EC@D

,, +B@ .C >@,, +-A@ +B + A +B@ ED++- ? @ E@@> K ? $ ' ' $%" ' 0 8 " >A+@C %6>EVQOK 5 B@E> A+-+E@ @ + B>+ A B B + B C@ O) L = . : C ! -) / D +(E2 B@ %BC -6,@ \ .@ ? B@C@- D D .@>@ B@@C@ AD , A A. , .B+ SWKQ < .) 7 & ' $"' S OQ= B@ ! ->,@ +B@C B@@C@ E-DG $+ D - +B@ A +>C@ - +B@ !UG@ ^-C . ' ,& * !) $ ' .] (0(5 @, E-D ,@) >EY + A @ SM - - ' . .) "' 4 + SSS OS<; +@C CD +B@G E@. A +- G@@,D B@@C@) ,@@C@ +@C - .C@ + E->A 2 D A @ OKQO 7 +B->+ +B@C@ -,D ? - -A >J # A+@C C D A @ B@@C AD +B A2

; M # A C+ ,@ - - - D B A2 A-+ - ,

? > B >E + A @ # A A ? , @ A 4 0

OML <) !! - > $! "' , +2 SS 6 8@D O(O=; B@ 3 - -A@ +B@ A +>C ,, AD @ -AD CG > @2 +B + +B@ EE@ - +B@ ! @ C@ @ +B@C ,, AD J,> ? ? @2 -C @, @ B@ C@ AD 8 +@C -C+(@ ? J+G2 : = &!) - 1$) - L< B@ / >+ B > ? E,@C ? > B - +B@ ? @ ? U@2 E>+ , C.@C) A-+ >A, U@ @CG B@@C / C . - -A OQPP C !0 $ ' 0 4 4 L= B@ U ? ? @D ? ,U @CG +B A AD B@@C

M # +@S+ ,@ EC 2 @+ B A2 A@2 D JB A->

- 60 0 ^% 0F , ((T -E @E , A :

A I / < .) 7 8OPMQ(=<E2 AD G@+ +B B@C@

? A@2-C+ @ G2 +B@!B C@ + AD B@ J@ +, 7 A@- ,6 S) A " ,, @,, ,,0 &!! , 0 ? !! (@+ 8;KPO(L; !B@ C ? > , A + -C B@ D DC@ @ AD A@ U ,-+B ;Q<Q . & ,,0 0 ' 0 S+ ;OP B@G ? A> +>C@2 A % , -@ @E C @ AD A@2 B@@C AD D- @ C->.B+ SK) . 0 - 0(JJ, @D +- EC - -++-A -C ,U 2 -) ! ' : ? @ A A. @CG +B A2 ,@ C2 -C +C) J C@A+ O<N= $!" &) 0 OO JC2 ! -) A@8+B@ ? @C A . C, ->,D G T B@@C # +B@ E + +@ -C , A > @D +B + Q*D , A A. A@ @)

2 # ? +@C , >E + A @ A ? S@D -C >AY - ? J A @D +B -+B@C ? ++@C I J - +C-A. DC AU 8 (6AD ,>+@D +B +@C = + + U@A ,JA@ 7 +B->+ -, D --D

OP) $ - (0 AD +OP BE G A-+S , D #$ +B@ -C@ -C B@@C@ ,@ O) O ' . .) ! ' "' SS A OQL A% +B@G DC AU@= +B@ @ .B+ - + -DC ? A A @ D2 7 ? @2 -C B@@C@ +@C 8-C . $D) $ *) ' $+0 - . &)1! $ (2 !B ,, B @ A- B@@C@ A@ +B@A OKOP = 7 2 $"' 2 B-> A@>@C E D + A +BG B-> @ +- + G ? @A +-A+ U@ J@@ @ # ! > -,U@ %B@@ @2 #C ? ? -A - O -A2 # C AG @ >,@A+2 E>+ B@@C@ DC AU@ -A,G OMKQ C !0 $ ' (2 P=K2 O -C L) - -A > , - B @C +@C OKQ 3 . $ 8;) K(;K # J>C@ AD !B@@C@ ! AD+ D@ ' B +@2 E, U2 E,@) +@+ (OQPW & ' 0 ' &) > &0 PL L;Q !B@ B +, ? . ->+ A B@C -A + +>+ -A2 AD B@A@ @C E@ @@, + + B - +2 +B@ -A,G +B A. B@@+ OC ADG +- U@@J B - ? B@C @ D OQM=)) -) 0) L !B@ ? ` AD , .B+ AD SK-O " !) ? O ' <&) A

%%%%%%%%% %%%%%%%%% B ? >AD@C @ @CG +B A. S 2 #"' < < 0 , S ; 7 ; a -+B A. @ B@@C + ,, - @C +B@ >AD@C,G A. C--+

6 # !+@@, 8 ? JJC@B@ -A - " .D O I Q8 =<6 I $ ' O< B EC@ + J, +@ " D + A-+ E@@A - B@@C +@@,2 +B@ -C. -++@A E-A@ # 3 ,@ !+ AD B 7 ->,D + +B ? - ? @A+ E@ ? ->,D

E # ? ? +@C , +B A. 5) U@A -C @S + A. EG + @, 2 r 2 ,-A@ - $ -C 1 0

SM@ = 0 ! - $% <) O - $ ' G T % AV LPO 7 B@A B@ ,, 3 ? ? C ? 3 ->,D A-+ D-@ ? @@ AG B C ? 2 +B B@@C@ ? -A@G B@@ @A+ E->+ +- J>C B @ ->+ B_ C@>@A. @ ? @@ $ SM) B B 7 5 * 00 & $ 8;KPO(;M B + B +B@ B >D@, @C ? G E@ A-+B A. E>+ +B@ -CD - 8* -D A B ? 2 B@@C -CD - # -D2 7 +B->+ AG ? S +>C@- B - A ;KLM 2 . C . " 0 & "' ' & % > OO A >A@ ? E) @D J C +2 #+ B@@C ? AD2

K 7 +E D@ C J+ @ E 2 C -A@ D@A-+ A. I > , +G2 -AD + -A2 C A ? ++ A @2 @+ @ ? @C ? -C@ A-C ,@!! +B A 8 B + @SJC@ @D EG +B@ E (+B + AD A-+B A. @, @ >A ? + . +@D2 >A I > , @D D- AC .B+2 E -,>+@2 J>C@ % = $0 = K[J = Q 7 C -) / *2 7 B B +, E A- ,@) +B@A B@@C@) E@. @) $;MKN <&& 52 - 0 C& 0 SS*S

; LO= "' = UU $ ' , 0 J ' & (, G A@@C D>A @ -C ? G I A J C+ OKLQ . 9 . . < , 2 SS ,2 OM< B@ -A J C +-C @C@ A-+ +C-A. @A->.B +- CCG +B@ C J- ? + EG B@@C -C @2 OKLQ . 0 ! 2 2 %) ,) D2 A ? - ? @A+ - J -A2 +B@ & +C -+ @C@ B@@C O C . A D OKPM : 0 5 * 0 SSS " 2 ==< 0 -+B &@+@C -A AD ? G) @,, ,@@J ,,C->.B B@@C @SB > + -A ((! % . " * & C& 0 =P 4 B@ C ? ,) ,- @,G U C+@D -A +B@ A-C+B EG B@@C D@ @C+ OKKP %$ ' , . 0 5 ' 0 OQ : A P = + B@@C A + U@ -A +B@ J C+ - +B@ DC @C

+E 2 E5 B -A E,@ +DC ? -C - ? @ J C+ >, C -C ? - B> ? ->C N) P2

OMQ $ 8 / U2 $> UBA+($ $!+ + 8 CE (MQ B ! @A@ ,, ? U@ G->D @ +B , > . B A.2 +E@ @,, +@D + ! @A@ - B@@C 7 +2 +B->+ AG ? S+>C@ A +B@ -C,D2 . D 8% QO ' % $ ` A-+ +B J>C@ 7 ++a OMK 66 .) F U O> UB ? (0 C& "' O) E) 6,G +B A. ? @A ,, B@@C 7 +2 - D2 7 +B V) + B -> . @ # A > @-> ,G + ,-G D ;Q) < ' !(* $ 0 (OMK O B@ B-,@ !+C@A.+B - JC@+@AD@D & +C -+ A >@ A &>A 22!B@@C +2 AD " -C @ >.B

D@ @A+ -C @A+2 +B@ @ - ,,2 , 22 @+ %-A+ A>@D J@CJ ? +D >, C,G -+ @CG +@@J,G D- A -C AJ +B->+ EC@ U B ,+ A.) J, @ SK) 7 #$#! 7 $ 0 $* !! PN AD , ? E A. >J +B@ B ,,) + + ,@ + 5->C C--D - B@@C @A+(OKOP 0 & % ! A+ S 2 B ` U) B- @ E CC @C DC@ C C@ JC@ J @ B CJ C D B@@C A I & 3) . 0 $!"' = < S SK J@D@ + , - C- U >C ? ->A+@D EG B@@C), OKQQ . < ' C$ (SSS 8;KQK(O<K

[illegible]

[illegible]

[illegible]

D6,' >J-A' %BGC6' B> C D G' A' +B@' U CU2' *D' g;R7;' A' 'r'

[illegible]

D-6-I (2' A' E@D

,' ;OPN' C & (! 'L;#' A' ((,(;ON' ! B@>@' AD@C'

[illegible]

' 'O;!' ' +' E@+B@' 5 C +' & .@' - ' +B@' C +' !B@@+' - ' 'O--U

+B@' ! .A +>C@' ' ' ;MK< <$0&* "!0' ' !0' &C@ ' '=' @ +'

[illegible]

;KSP' ' (&%' ! ' 2' SSSB2' #'@C' B@@+' - ' .C A +@2

D CU' AD' EC- D2 , G' +B)' C- D' KSK'] ' E E' (2 ' ?->A+ A2 B- @ D@' @C@' - @C@D' +B' B@ +B@C' AD' B@@+ ' - ',-- @ B A..@' ;KQQ' ' BL. 'C " & (ONL' ! B@@+ '- ', ' C@' ->AD' A'+B@' A-C+B @ +@CA' J C+' - ' C@, AD' ;KKN / ' %' $!! %T' '(=0;' ' ^ > +C , Aa2 ' -, D' E-DG' - ' J>C@' -C@' + ,, A.' ' C@ @2 ;K<Q' $,0 ' D0 ;Q :>A@'=OO 'A- 'D@A>D@D' .C @,' B@@+' B B'-A @' - @C@D' +B@' D +C + ') 4K<K ! ' " ' %-S' C $ C , ' '%& ' (G L' % @ /) - + '? .B+' E@' >ED D@D' A+-' B ?E@C ' -C' J- U@+ 2 A + ' -C' B@@+ 2 AD' J J@' @ A ' ;<NP' 2' C." 0 < & 0 L= '? ' -' , '+BC> +' E@+ @@A' +C + ' -C? ' A' A+C>D@D' A@@+' -C' ,,

@ ' ' AD' < ' - '+ >@

OKQ ' ' B 1 ' "&!& "' LN' B@C@' C@' ->C'?> >, C' B@@+ ' +B> ' C A.'J, @D' E@A@ +B' -A@' A-+B@C' AD' D + A +' C-?' @ B' -+B@C' OK<<' !!1) C ' " ((,, 2'PN= B@' A@ ' @J D@C? ' ' +BC- A' - ' @ +B@C' A' B@@+' -C' A' ,@ " ' 'C@, + @,G'+B A' J @ @' - ' -A D@C E,@' EC@ D+B' ' ? ,,@ E,@2' D> + ,@2' -C' +, E,@' >E + A @ ;MQ ' 9 &-*0 ;LO @' G'+B@' 3 @ + C->AD' +B@' / EB2' D' ' ' B@@) ',) +@' $'$>+%' 3 .S '6L $ "' Q' ! @J+' ;MMM2' 7 B@C@' ' B@@+' - ',@ D' - @C A.' ' .C@ +' J @' ' ' +-+ ,,G' ? @ ,+@D2 Q<M' 0 <!$ > ' &&. @ ' '=L' G' ' B@@+' - 'J> J +@' +' +B@' E-++J?' - 'G->C' D B' OKOQ) - 0 $ ' *0 S '8;K=0(L ;;' ' + ,,' B .B@C' ,@ +' ? G' E@' . A@D' EG' AA A.' +B@' >JJ@C' J C+' D '+B@' + C@' 7 +B' ' B@@+' - 'J +@E- CD' ;KPM' ' A' % ' !0' &,0 ' OOM O 8 , ? U A.(2 B@' B@@+ 2 B@A' AA@ ,@D2 C@' DC A' C- ?' +B@' U ,A2 ;KNL' : ') 7 ' ! - 0' C & D .0 4 ' ;NN' ' B@@+' - 'J, +@' ,, ' O<N=' 8 ' $ ' %* (0 0 ') 0 ' =MO ' B@@+' - 'E CU' 'C-,,@D' C->AD' B BC' ' ,V' ' , +' J @ @' - '+ A2 A @D' -C' E U A.' U@ 2' @+ ' OQ=Q = ' < ' && . "' S ' ;=N 5,- @C' -*,@' ! B@@+ ' - ' 4 Ab' AD' DC-J' G->C' O U@+ ' - ' EB+' 0 .A@ ' G->'J,@ @' OQM< = ' 66 .)' ' !0' &) .* 0 8;QQK(OQ ' C@ @' G->C' + A' B@@+ 2 AD' DC-J' +B@?' '+B@' *> ? E,@ a A' +B@' B J@' - ' ' ? C--A' OK=M ' <$ &' 0' '0 J' SS 2' O U A. B@@+' - ' C -> ' X@

- ' $>EE@C' JC@J C@D' A' +B A' J @ @

O<NN' ' $')11 ' ' ;NL' B@' ? A> +>C@' - ' A@' >+' B@@+' ' A @A+@D' EG' %B D@' 3 A+- B' <OO' ;< / @ ' OM L' , ?EC- ' ?-U@D' B@@+' C@ , X@D' = ' Q D ' AD' C +' , +@S' C@J@' = ' =)D' J@C' ,E

D ' ! B@@+' C-A' ' +@@, ' ' ,@A.)+B' - ' +B ' +KK)' 7 ' " '< 8)' !' ' &' 'S' b ' +' '> > ,' +-' D@ C E@' ,' J, +@' - ' ' +B UA@ 'E@,- ' " - ' = 0 ' 7 ' 80 C? A.B ?' 7 C@) >.@( ])LK A B] 'T B@@+ ')K<Q $!"' 2 ' ;#' JC' O P' ! B@@+' - ' O= . >.@' ;K<< 1 0 OL' : A' K M , A @D) -CC>. +@D' B@@+

;N ' ' ? -C@' -C' ,@ ' @S+@A @' J @ @' 8- ' ' ,,(' & ' < ' ' +

;Q<<')* ' '#;' ! @J+' = +' @CG' B-+' UA- UB .' D- A' B-,@' B@@+ ' - ' ' ,,

' F ' ' J-C+ -A' - ' ') ' A ,J.->) +-' +B@' EC A B' - ' ' >C @'

A A> ' ' ' ' . 8 ['$!0' < &- 0 A' ,' " %' &*0 8;K=P(' QLN' B@' -A ,' >C+ + @' 6,' E@' - ?J- @D' - ' + -' ? , C' J-C+ -A 2 -A@' E- @2' AD' +B@' -+B@C' E@,- ' +B@' @C+@S' @ B' J-C+ -A' ' ,,@D' ' B@@+' ;KP< ' $ 0 C$* ' 8;K<;('OSQ' A' ,.@EC ' -A@' -A + 2 - ' ' ,- @D') @@+' -C' B@@+ '

:; ' ' AD' & ' ' % ;.'9 ' '

9 ' 0 ; 'C ' ' *

') 1& 0 8!>C+@@ ('OPM ' B@ +@' ,- +B@' - '? G' ,GAA@' @EE@' ;KKN' C!$ '' ! 2 & . $' D' B@' D+B' - ' ' B@@+' B@?' ' @CG' D @C@A' C- ?' +B +' oA' 'J- U@+ B ADY U@C B @ ' OM=O ' B& $!' 2' ' 7 U ' ;KQL' 'LP= B@' ->,' 5 @AD' +--U' B ?' A JJ A.' +B' B 'A- @' O@+ S+' +B@' B@@+ ,@ @ ' - ' B ' -A'+>C A.' O--U)' OKMQ' ' 0 ;N== A' @SJ AD A.' - ?E' .> D@ ' B@' @ @A' AD' B@ + , U@' +BC@ D ' -A'+-' +B@' @ @C)' E) B' ;KKL' = . 0 % ,$' ' ;< 85 B' SB E' &>E C(2 ' ' ,-- @' B@@+ , U@' E-DG - @C A.' ' C JJ@C' ;M=O ' ' 3 !' D ' 3) (' $ ') $ $1 " 0 'B@D.@ C@@J@C2'E@JA@' U ,)' B@@+ +@ ,@C' ;K<O 3 2'= B ' 8 ' < ! ' ' $ *0 OQN' B@' ,- @D' D--C- ' ' B@@+ B +@' -++ .@

! J@ ,' - ? E2' +' BD@+ ,@AD@C' 8 @@' I > - + (

' B@@+ CD2' ' U AD' - ' CD' > @D' A' -++-A' ? A>Y +>C@' 8 @@' I > - + (' B@@+ @ - 2' ' ' - 'B A.'

'EC- D' B +@' E AD' C->AD' +B@' E-DG' ^ ' ;)' ; V'E' B@@+ D o , @CG8 @@' I > - + 7 B - - + ,,@D' 'B A.' +B@' , ' ,,@D' ->+' EG' +B@' AD' B -@+ .C,)' 8 (' G, AD@C' . , ' , -' 2' 8)(' @ @,' ? D@' - ' +B ' ., ' B@@+ , .B+A A .2' , .B+A A.' A' ' B@@+Y , U@' -C?' D>@' +-' C@ ,@ + -A' EG' +B@' ,->D ' ' B@@+Y J ,@' 8 @@' I > - + ;KMO('B@A @' B@@+ J ,@' " ' ' +-' JC-+@ +' 7 +B' B@@+ V ,@ ' B@@+ J , A.2' ' -A+ A>->' ,,' - ' B@@+ J ,@ ' B@@+' J- A+ A.' ? B A@' 8 @@' I > - + ('+ B@@+ B U A.' %2 2'C@? A' - ' ? @ ,2' @+ ' B U@A' C- ?' +B@' E-++- ?' - ' ' B@@+' ' ; ' 2' & - 9 ' 'Q' ') @@+ G V' A' A.,@' B@@+ ' C ++@A' -A,G' -A' -A@' D@ ' B@@+ 7 @@2' A' +B@' -C ?' -C' ? AA@C' - ' B@@+) -CU7' B@@+ -CU' 8 @@' I > - + (2' ' J ' SKK)' : 7 ' 0' , (!>JJ, 2 $! ' (' ? B A@' -C' JC@ A.' J J@C' C>EE@C2' @+ , 2' A+-' B@@+' AD' A.' +' >C @)' +! bP' :2 (, ' * ' 0 .(LKN % CD ' C@' -C?@D' A' +7-' G ' +B@' -A@' ,,@D' B@@+ CD2' ' ? D@' E->+' ->C' A B@' D@2' AD' ;K A B@' ,-A.2 -C' -' ,@A.+B' -CC@ J-AD A.' +B' +B@' D+B' - ' +B@' ? A' G, JD@C b' B B' +B@G' B @' + -' - @C' +B@' -+B@C' ,,@D' ,,@+ CD' QQO' A' 0 !$' ' ">') &1 & 0 ! @+' ' =QM B ' J A@' B-J A.' +B +' +B@' B@%+' - ' O>, +C-D@' - ' 7 @A D G' A@S+' ;KK= C ? A.' D- ? A@' - ' O>, +C-D@' - ' 7 @A D G' A@S+' ;KK= : 7 ' 0' .0 ! > J J 2T' ' ! @"(D@, @C A.' +B@' JC A+@D' B@@+' C- ?' +-' ?' +B@' ,G ' OMP ' I . 8 ' . &3 * !$ 5 0'SSS S2' B@' 5-@+' ' &B C- 'E@+B +' @+ ' -C+B' ,2 B ,@' B@ +@@C ') B@@+ + 6 D' +B' 'B-,G'. ,@' HN& ` , ' < $0 ;('LN' ! D @D 2' "' -+B@C' 7 AD- ' , 2' -?? -A,G' ,,@D2' EG' +B@' ? @' - '%C- A' , 2' -C' @C? A' ! B@@+' , OK=M = B. . ' , 0' ? (- * ' 8 KP=('Q=P' ! B@@+' ., 6

>CA @ ' ;KKQ' &' ' 4 'OMO' B@' C@, I> CG2' -A + A.' - '+ -'C->AD' B@@+' ., @ ' SK)' $* 'C B% (0 =QO .B+A A.' - ' +B)' -C+2' D@A- ? A +@D' T) E@@+' , .B+A A .2 ' ? - +,G' +-' E@' @@A' A' +B@' B-+' >,+CG' @ @A A. ' - ' > ? ?@C' -C' >+> ? A2 AD' ' .@A@C ,,G' >A - ?J A @D' +B' +B >AD@C' ;KM= 9 (' "! - > ' 0' QOM 7 B@A' +' @@ ? 'D' B@' ' - ' J ,@' B@@+ , .B+A A. ' C- ?' C2 E>+' -CU'D' # ' +B@' A@ C +-C? ' OK=O 6J ' < !& 0 0 ' (' ' &) ' $ &' (-' DC @' 'C- ' - ') B@@+' * ' ' B@@Ja' J ,@' A@S+' +B@' ->AD Y + -A ' - ' , ' D*- A A.' +B@' @ 2 -C' C @C ' OKML' ' $ ' 0 0 ' (e' =N= MNP' ! B@@+' & ,@ ' C@' , +' J ,@ 2 B B2 E@ A.' DC @A' > @ @,G' @D. @' + -' @D. D2 -C?' ' @C+ ,' -C' A@ C,G' @C+ ,' B@@+ 2 -C' +B@' J>CJ- @ - ' JC@ @A+ A.' +B@' ? +@C , ' - ' ' ->AD + -A' C- ?' JC@ D A. ' ;K=O ! ' ' 0 7' , 0 B - !0 'PK O !B@@+ J @ +' ' B-C+' J @' C- ?' +B@' ,, ' -' +B@' B-,@' OQK< 7 ' # 1' *0 $- ' c ' 8;Q<;(OL' 7 +B' - ? @' B-C+' B@@+' J , A.' >AD@CA@ +B' +' +B@' --+' K ' ! ' '0 ' , @ B@' --+' - +B@C' @C' ' ,, 'E-' JC-+@ +@D' EG' B@@+' J , A.' - ' B-,@' + @ ' C K @@+' ,-A.') O) ' 7 0 0 . ! > J J , 2 T 'C & ' Q ' & ' (' ? B A@' -C' JC@J C A.' JC A+ A.' B@@+' -C' >++ D. ' OP=L' 5 0 0 0 8;K==(' O<;' B@' ++@,' EG C ' - ' +B@' ? @CU +' ++ ' +E ? @' .CG+, @' A' + U A .' - ' ? ' J ,, 2 B)+ B UU? . 2 AD' ' -D@C@ ,' + > +>? ' S) S' 1 0 LLP' -C' A ' U CG2 ' ' ?J+,,' AD' B@' + B U A2 ' B ' & - '&%'C &, '8@D'

2 A' S+C +) C ++@A' ! E@@+ G 2

-A +' - ' -C+G' A A@' A@ 22 AD)' ' C-+@' O - - U @ 2 +B + +' -A +' - ' + J' & .@ 2 AD' - ' +B C+G' S' A@' A' @ A' & .@' SKKK'# ' C ' c' ,$1 2'T' ' 2 & .(JJ, @D' + -' -CU ' -C' * -E ' JC A+@D') @] +B@' C@ @C @' - ' B , B@@+' -C T' -CU' AD' +>CA

' I> C .)' ' $ - ,,@D' ->+' A' >' B@@+' @ J' - ' ? @+ , 2 ' ' 8 , - ' C@I ' ++C E2(2' OPKO' A' 5@> ,,@C +' ' ! A0 ! O(8;<NK(LPK ! B@@+' ,@ D' +-' ? U@' ' !J- +@b' ;MLL' '# ')) QP' B@% CJ@A+@C ' B@@+ ,@ D' OMKL' ; L ' 0 5 0 "' C ' ' S ' 'O;' B@' 'G@ C- > .B2 ' @ D@D' +B' B@@+ @ D' ;K ;M ' 'C$ ' & $ - $(0 = ' 0 @, , JC A .' >C@' C @ G' ? D@' - ' 7 ' +E A) '@, @' +B A' B@@+' C-A' +B> ' ? A .@D' OKOQ' - 1 ' - 0 $ ' * (' 8;K=O(ON<' ! B@@+' ->+ B- > 2 B B' ' E->+' +B@' +@A+B' 55' + @, +B' - ' A' A B' +B U' 1 0 2 ;LO ' V,N @ B@@+' X A ' C@' - 2 78' ' ! ' ' 0 000' j j j j j j j j j j j j j j B@@+' EC ' OK=O B) (') 1) 1$' ' & (LOL' B@C@' C@' +BC@@' X@' - ' +B@' B@@+ C-A' B A D E CC- ' SKNbb' = 9 ' 2' 7 - @N+' I +B@' B@@+ C-A' ? @A2' AD B D' +B@' + - @' + U@A' > & W+ C ' OK)' $ ' = B ' $ 0 ' ' 'LL' ! B@@+ ,>@' 0 - ,@C ' ;KQM&$ %&' \' 3 8 7 ! $* "' OL<' B@' D-#@') B@@+') C B '+B +' 'B@,D' A' +B@' B AD ' ' B . 2 &,.3 & - ' ' '0 < 'O>A @A ' E>CA@C 'JC- D@D' +B' ' ? ,,' B ?A@G - ' B@@+ C-A

E ' "@A @2' J@C+ A A.' + - ' +B@' ? A> +>C@' - ' B@@+' C-A' -C' + @@,2' '\ 3%% !!0 , -' A' -E*@ + @' - ? E 2' 3 - $. (32& . (

OKK= 7 ' " '< 8)' ' ' &' 'S ,2' LL= B@' B@@+' ? ,, ' - 'O C? A.B ?' AD' - ' ! - >+A' 7 ,@ ' O)KP $! "' 2 ' P' # +' O P' %@C+ A' - ' +B@' B)@+' ? U@C' 5D' D@@,? A.' +-' @J+' >C+B@ ' -CD@C #CD@C ' A' +B@' B@@+' +C D@' C@' @CG' CC@) , C,G' D +C E>+@D' OKKM!E 0 ON ! @J+ 'O P' ! B@@+' JC @ ' C@' +B->+' B A.@' SHO' $1& ' & - - (,@! 2) ' $. (? A> +>C@C' B-' 7 -CU ' ' !! ' 'D + AY .> B@D' C- ?' J , @ ' AD' +C + J 6

' # ' # ' +@C2' @+ ' ! JC@ D' - > +' A' ' B@@+2 SKW)' ! ' 3 C ' ;QP O' +' +B ' + ? @' +' ' ' B@@+ , ? ' ' , - + A.' ->J J ,' +@' ->,D' A-+' B @' ,,@D' OK<< 7 ' B ' 3 'C " ' < & 0 " ' B@' +@C' AD' A-' B AA@,)' +' JC@ D ' ->+' A' !A ,- ' B@@+2 ,,@D' ' B@@+ ,--D2 B B' ' A ' ' EC@ D+B' - ' ' ? ,@' -C' ? -C@2' E>+' ' D) +B' ' -A,G' -A@' -C + - ' & ' &' ' ! ' :>A@'=LM 4B@)U ? D' ' >B' CC,. +@D' EG' B +' @ ' ,,@D' T' B@@+ ++C

( ] ' &C A+@D' -A' ' A .,@' B@@+' -C' EC- D D@' 8W@@' @A @' P(2' @ J' % ;MKL' A' 0 0 T ' 8% ? D@A(;KQ2 ' C +' + -' G- >C' -CD B J)' EC' 'D,) @A' - 'G->C' B@@+' ,? A U' -C' +B 'G@@C' OQMQ' ' ' (0% 0) & * ' KL' 'B@C@' B ' E@@A' , +@,G' J>E, B@D' ' B@@+' , + ' # ' B A.@ 2 D' +-' B B JJ@A@D' D>C # ' +B@ JC@ @A+' C@ .A' Q 7' B ' 0 $ 0 8;KL=(' ;O<' ! B@' @ + ? A@W +B@' B@@+' ,? A U J +@D' > J' E@B ? D' +B@' D--C2 +' @@' B + ' B-, D G' + ' ? .B+' E@' SKKS' 8 'C $ ' ' (;=M B@' JC A.' - ' ! -A.' AD' - ' ! B@@+ ' % - ! ' .@A@C ,,G' O)O' / ' O' ') '\ ) J' ' ') ' ' ') ' %' ' ;Q' 7 @' B D' ' E ' B@@+ , ? A ' B A) A.' ++" @' @&D' - ' +B@' E A

! B @@+' 8 +(2' 10 ' 5-C? ' S' -A + 2 = ' , @+@2 ' = M' 8 (D+@2' > ' 65 (M' B +2' %' -B@ +2' M)Q B@ +@2' B@ +2' Q 'n Bo@+' ^# ' % ' U' ? 2 B A.' +B@'? @ A A. ' - ' # ' % ' 8 @@' H' , - ' f ' , - @C' -CA@C' - ' ' ! ,2 J@' @,' ' A' - ? E2' , E! - 'T JC-J@ '8 @@' 7 C2 7 , U@C' ;KL OM' AD') KK) = (' 3 # ' , 1 ! ' % A' B B' @A @' +B@' ? J,@' -CD' 'C@ -CD@D' C- ?) @' ;=+B@' ' 5-C' +B@' - . A +@' -C? ' AD' , @ C' ? @ A A.' @@ ! " O ' 10c :

C-J@2 8-C' B A(' ++ B@D' + -' @ +B@C' - ' +B@' , - @C' - ? @C ' - ' I> C@' ,' 3 B- 2 C' +B@' +@C' ,- @C' -CA@C' - ' ' -C@ AD +' ,(2' AD' > @D' + -' @S+@AD' +B@' ,' -C' + -' ,+@C' + ' D C@ + -A ' $! ' ' @@' I > - + ' ;M==') ' @A @' = ! @@' , ' - ' 5(10 . 'F# ' D' L(2 = " ' L! @2 ;LLM' ,,(5, ' V O' 0 ;< LO ? ' = A' SSS 'J@+ " ' -CD ' D@' A E- JC-D>-E>' B@+@' AD@' @AD ');LPO 5, 0 ,0' A 0 (ON A- ' OQ 8& $ # (&C-' ' E,@ 'A- 2 * B@+ 2' B > @C' @+' I>- D ? 2 E- @,GA@' OLQL' *A' $,@G' - (&' T 8;KMK(LON '#A@' , +Ba' O B@+ +@ 2' O +E>C.E , ' , 'O=MN C ! - T ' $3' ," 0 OP' " ,@' +B@' E- @,GA@' 'A- 2' @C@' B@@' + UU@' \' ' J GC' - ' B -+ ' @G,A.' D S,+' E' ;POO' (%' C $* ' ' 0 ' ' <QP' G@C@' +B@' B +' OP=< & ' *!0 , E' ' =N " ' , @ + C' +B@' - C') +' B@+ ' ONOM ' ' , 0 0 ' ' ' ;P' B@' E->,@ JC@+' E +BA-'E- ' , A@ 2 AD' +B@' ? @A' B@ + 2 C@' ,,@D' +B@' + ? @' E@ +

`90 U $L' $ F < $- 0H0 OL B@!B@ + ' A+-J ,@' @C>@' +-' B ,@' +B@?' B- ? @2' +B +' 2 +-' EC A.' +B@' ,@ ' ,- @' +-' +B@' G CD ' C? @' MWK' . 3 .)' . (8;MKQ(O<L' @C@)' @C@2' ? -C@' ! B@@+' OQLO 1 ' +C' ' * * $ %' $!) 0 'LMQ' @+' ,G' +B@' ! B@@+ ' ;Q<M & ' ' & ' B') $' SK -+' ' B@@+2 -C' ' U2' # C' 'EC @ D D' B@' , U' OKNW ' ' ;L' # +' A' -, / 8;K=M(' ;;K' '&) B@' ? A + -J . ,, A+' B@@+' ' CC @D' G' ;' +B@A' ,@+' ,G' +B@' + -J' . ,, A+' B@@+' OKKQ' ' 0 ' <) !' @+ ' ' E0 (% ' " ' ' A->.B' T B@@+' + -' ,,- ' ' ,- ' B@ D G' OK<O % ' " ' $) 0 0 ;MN 7 +B' E--?' ' , ' B@@+' C@' > @D' -C' -A+C-,, A.' +B@' E-@AA

E ' B '? 2 5 '$'%$ '&%' ' -C' 1& ' ' $% '

D' - ' ' B J' , A.' C .B+' E@ -C@' +B@' AD

OMOQ' 1 ' $ - $' > ' < $ - 0 S' L< ' ,- A@' B@ +' ' B@A' B@@' ,- @ ' E@ -C@' +B@' AD2 -C' E@+ S+' 'J C@' - ' B@ + 2 -C' ' , @' DC A.' 1 0 = O' 7 @,' 3 +@C' +B@' %B -A@, ' EC- D' @A->.B ' 1@+' G-> ' AA-+' +@ C@' E@+ S+' 'J C@' - ' B@ + ' B- @' C@' -CD- ' ' ? - U@CG' E@+ S+' +B@' >AA@C' AD' +B@' ! +@ C@ ? A' OMLO 8' $ 0 ' LOK B' E>,. A.' G,@' E@. A ' + - ' @,,2' E@+ @@A@' + - ' B@@+@ ' ;QM<' - ' ($ ' ' 8;QKN(2 ? & ' $% ' ' ') 5' %,&) "' 5C (2 +B@' +> + -A' - ' B J' +B + ' , 'C .B+' -C@' +B@' AD

/ ' ' ' ' ' 2 ' ' @CG' DC>AU2

DC>AU ' ' ' ' 2 ' ' 8-C' 2 ' > ' " +' ' > @D' - ' f ' B , ' ;KO;' 7 ' $!' % ' 'S ' LKP' #,D' 7 S' AD' OC +,@ ' ' E->+' +BC@@' B@@+' ' A' +B@' AD' OK=N $ ' " ' ' ? %0 $ ' 44 2 "@' @,D- ?' @A+' >J' +E' +B@' +- A' +B->+' - ? A.' D- A' T' +BC@@' B@@+' ' A' +B@' AD' OKMO . . 1 ' ! "' 0 2' ' +B->.B+' + J G] ' B)@+' -C' -' A' +B@' AD2' ' -,U ' G' OKKL' 3 ' $ ' ! (SS2' 3 GE@' G->' + ? AU' @' @C@' , ' ' B@@+' A' +B@' AD' ' @G@2'

' ! @@' I> - + ' AD' * ' O2' *

OM=! = 8 3 7' $ - $% ' (<O B- @' J, A U ' >AD@C' +@C2 B B' - ? @' , - A.' +B@' $>A' - ' +B@' B J2 AD' C@' ,- @D' +-' +B@' ! +@ ? @ J- + ' C@' ,,@D' ! E@ +@ 2' AD' +B +' J C+' +B A' E--CD2 E +2 A' +B@' $>A' - ' +B@' B J2 ' ,,@D' +B@' +@ ? @' B@ +@ ' OKPQ' & ' . * B B ' & - * 0 $ - $ % ' <) 'O<' B@' ,- " A.' E +' +B@ B' + +@C- - ?' : ++@C' ' @ +' ' ,,@D' +BE' $% 3 "' +B@' -C CD' -A@' 5 %& 2 $ > % AD' +B@' A@S+' + - ' 8 ' +B@@+' C-' +B@' E- CD ' 6 @D' -C@' AD' +2 ' ' , - -C' + - +B@' ! B@@+' C-' + B@' E- CD ' 6 @D' -C@' AD' +2 ' ' , - - C ' + - ' 'E- +2 A' +B@' , @' G' ' +E@CE>C+B@A ' ? D B J ' OK<O % ' " ' ' $) 0 0 +M- ' "' +BE' J @ ' A' 2 C- A.' E- +' -C CD' AD' E +' +B@' +B A' C- 2' AD' A ?@D ` ' C@ J@ + @,G)C) C)) C' AD' - 3 0 A I ' ' 0 $' - ' 2 $ 3 "' - 3 ' 8 A' -J@A' E- + (2 +B@' ,- -C E- CD' ' - @C A.' +B@' J @' @ +B@C' +' +B@' B@ D' F' +B@' +@CA' - ' +B@' E- +2

#$ $ 10"' ' 1 ' ' + ' 1 3 < . / 31 "'

31!&, .' + 9' 3, ! * (3% ' ' J, ' 10

Q(2 3% ' - ' ' I M9M: ' ' 3 & * (3 ! * ' ' 4'

10@' * ' @(2 3 * M @@' I > - + @

;K=;' $ ' " ' (' $E ,% > ' $! (2M' @ G->C' + U' 6AD@C' +B@' G CD' AD' E@AD' + EG' ' B@@+ E@>D' + -' +B@' ->+@C' ,@ ' O) ' $!&C ' & 31. ' 31 ' " P & ' >' D->E,@' B + B' ? D@' EG' J A.' +B@' @AD) -A@' C-J@' C- >)' +B@' E .B+' - ' A-+B@C2' CE>AD V-+B' J C+' - ' +B@' -+B@C2' AD' >AD@C' +B@' ! B@@+' C-A' 'C V & $) 0 0 M' T ' ? "' E ++ 'A@' C' +B@' ? +' + - B B' +B@' +-J ,( ) @@+' I +@' E@, G@D' OM==! = 8 1 3 7' $ - $' > ' (<O' 7 @' > @' - ' E AD' A' E+B@C' C- J@' +E' +B@' ,@ ' - ' +B@' ? ,@ E- @' +B@' ! B@ +@ E - U2 + - ' > ->C' AD' @ @' +B@' ! B@ +@2 AD' C +' C- J@' @' ,' ' ,@' ! B@ +@ ' OQ<=' ' ' = ' $ - $ ' *' ' OOP' ! B@@+ E,- U' +C J ' A' +B@' , + +B B' J, @' ;K=;' 5 " J ' $ - $' > ' $ ' 0 S' = Q AV B B' @' ,,) @B@)' + U' AD' B@@+ E,- U' ? G' E@' >AB--U@D' S) K' ' ' 0 $ ' - "' T ! * ' 8-C' T ' A' A +C>? @A+2' +B@' JC A J ' ,@A+' A' B B' ' ' -C+ - 'DC-J'J ,2EG' B)' ! B@@+' ' ? G' E@' B@,D' B ,@' A@ @ CG2 AD' A + A+,G' C@,@ @D' O<NK C$$ ' ' $ $! ' - ' =OO)' T 3% ' $' " ! +C-A.' J @ @' J 'C- J@ ++ B@D' EG' -A@' @AD' + - ' +B@' D@ ' - ' ' + GY ' -C: E)' OK=;') L ($ - $ ' > ' $' 0 S' PL' " A.' +B@' A@@+' J@AA A+' B >,@D' ? D B J ' OSM=O X . ' 0 8;M=M(K< 7 B B2' , U@' +B@' J>,9A.' d ' @ + C @' + ! B@@+ C-J@') , @' A+-' +B@' ,>@' - ' +B@' ? ' 1 (;QM' 5-C@Y + U2 AD')) @@+ 2') + - JJ@C 2' C@' - C' @ > C A.' +) ' A' B@@+ 2 + , ' E@, G@D')

* ' @ ' ' $ 4

' 4 $/ 0 -' C J'N(' - , ! ' A' -C' ' A ' 9@! ' 4 !!(AD' 6 0+' ! B- ' ' * , (+ - ' - @C' +Bb 2JC-+@ + A.' B@@+' - ' A 2' + CJ A, A2' @+

M ' 9 ' +C' ' < &)!$ > ' % ' - !$ H1 ' 1 - >' B >@' A' ,@@J@' +B@' ? .@' - ' D@ +B2 B@C@' A' G->' C@' B@@+@D' AD' C JJ@D' J' @>@CG' A .B+' OKLP ' & ' ; ' % ' & ' &1 ' &' " ' B@' J ,@' ? -JA' +B +A- ' B@@+@D' , +B' + ' , .B+' B@C' B-,@' .>C@' OKLQ' (0 ' ' S ' C@@' +B@C@' C@' ,,' B@@+@D' +B' C @. +@D' " ' 2 2 ' C' G->A.' C@ +>C@2 B@@+@D' ?' C@D' ? - U - ' 3 >CY D@C@ ' OKPQ' &) 0 & 'OQ :>A@ MNP O' B@' C6D 'E@ A.' A- ' B@@+@D' AD' + U@++@D' SK)' 9 = 3 . ' %($ 10 2 ^ 'C @B-C @a' %,-+B@D' AD' B--D@D2 6++@C@D' + - ' +B@' B- UH' AD' B@@+@D' + - ' +B@' + ,

' -' ! JC@ D' ' B@@+' -C' , G@C' - ' ? O@' AE + A @' >J-A' ' >C @(' + - ' - @C' +B' ' B@@+' ') ' ' A- ' -C' 6 ' 46. [& & 2 ' " E %0+ SM-K' ' ' 0 ' !0' ;' 'MP' 7 B@A' ! A- ' +B@' & +>C@' B@@+ 2 ' OKNQ : ' 8' &!) '10 ;;;' LMK B@' UG E I CA@' +@C ' @ ,' +B@' D CU' D@) ' AD' B@@+' +A@' ? J>A+ C ' D@2' OKML' 7 ' ' C $ $' KP' B@' ? E@C' D -D, ' ! B@@+ A,' +B@' ,- - C ' - ' JC , ' KKO 3 ' 2' $10 (' ;NM' B@' , U@' @C@' , C .@' B@' B-,@' D+G' ' B@@+@D' >J' OKKK ' ?!$, .' &2' ' 2' B@' A- 7' ' ,, A.2 +B@' B-,@' -C,D' 'E,-++@D' D->+' AD' B@@+@D' D- A' E@,- ' +B ' +' 6) + A>AD + -A' ;) O' = 6 .) ' $) ' ' S, 2' ' +' , D' ' 7 @ C@' B@@+@D' > J2' +@6' G->2' A B@' +B U

E ' %-A +' 8+B@' >E + A @- ' B B' +B@' , G@C'

-A + (

SK-S = . .) ' ; =) 8 O K L M (' OMK ! B@@+' ' ? ->,D' +B' J +@' OKLQ 7 ' Q 3 7' * '? &' ' !! ' !0' #; ' ' D' C @C' ' B@@+) ' +B' @' O) P' 3 ' (8;KK<(' S ' + ' C-- ' B@@+@D2' , U@' ! B' &@+@C 2 +B' - JJ@C

;K<L' - ' ;=' :>,G L +' B@' ->A+CG' '.C@@A' ' ' ?@ D- '
AD' B@@+@D'> +E ,- @C
' -' >CA B' 8 ' E@D(' +B' B@@+ 2' > > ,,G'
%$ 0' 1 /

[illegible]

;MN=' !" 9 C+ ' ' 'AP'8F-'O(B@' B@@+@D'D@ D' /:D'
I>@ U@' AD'. EE@C' A'+B@' $-? A' +C@@+' OMLN "V '

[illegible]

9 / **E' $0' K$$ ' Y H* ' ; .'
! +B A.2'@A -,D A.

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

E ' -'EC A.' -C+B' ' C-?' ' $ (

K<N Y= ' =)V) $!0' < !'S 2' %C@ +>C@ '

+B +' C@' B@,,@D', +-', @' A' @,+@C A.'B@ J

' ' 0' -' -?@' G'-C' @,,' -' ' ' B@,,2'

C +2' -C' ->+@C' - +'6' +-' -?@',B ' A' +B A' J @ @ 2'

J@@,'-C' ,@'&%(

[illegible]

! ' $' 0' -' 6- ' ' -C' ' A2' ' B@,,' +-'

6 ' 8!@@' *' '

[illegible]

+'E '*$ (8 JJ (' -'E@' S@D' ,- @2' W '?-,,> '

+-' +' B@,,

[illegible]

E ' -' JC@ D' -G +@C B@,, ' -A' 8. ->AD(' ' '

@C+, X@C' +-' ? U@'>J' 8 'C- D(' +B' B@,, ' ' (

+-'D@ ,' A' -C' > @' -G +@C B@,

A'6 '! '/ @+

M' -'E-?E CD' +B' B@,, '8 , -' * +-'DC @'

&)'&%' J, @'EG' B@,, A.

[illegible]

2 ' *@ ::' ->+' ,&!!&DT C-A' @A @' (

' $' 0' -' D E>C @2' J G' 6J2' B AD' - @C'

[illegible]

E ' ' 0' -'J G'>J

[illegible]

' $' 0' -' ,@+' ->+2' D@ , C@2' $ 0

[illegible]

!B@,,2'-E ' A.,- C B' % '-' '

[illegible]

8:@,)@U2' : @U(2' , -' $ B@,, U2'

B@,, U2' B@,, , U@2' B@6' U2'K <' B@,, , -2'

B@,,' , ' ^+C A , ' 5 ' !$D-' '' ,$!E' , ' 8 @@'

ID A' +B A' J, +@ ')% ' # ' , ' !'!$,. ' E@ D@'

, !!$,.' C-?' A., B (a' ' ?@,+@D' AD' A?'

A+-'+E A' J, +@

[illegible]

' $' 0' !' ,$!' &,0 4' +'% CE-, @D'WB@,, 'J, +@C

"@A @' !U@,, +-U@D' 8 -@D(' *$(' **E/(- +@D2'

? @B@D2'-C' +@A@D' 7 +B' B@,, ' ' !B@,, U A.'

8 - A.(2' ' - + A.' - ' B@,,

SKK 'N /*) ' 5'# +') 'B@'E@DC--?' C@' B@,, U@D'

[illegible]

A +@ D'-' S A.'-C' B@,, A. 2' 5 &0' ',",!0'? 0>V>V 0 !!!0'

[illegible]

!B@,, @4 F2' C A+' - ' 1 0

' 9 '?$ - $!')0' ' A' 0>,,@A' 0C0' '00<' B@' JC->D@'

!B@ + ? ' * ' !B@,, A a' C@'J D' +--' ,@,,

[illegible]

%$ # ' A ? , 2' AC + 2'@+ ' ' " A.' ' B@,,

[illegible]

E ' 7 +B' JC@ S@D' D*' ' " A.' ' B@,,' 8- ' '

@C+ A' U AD(

[illegible]

' / # ' 'E@ B' %- @C@D' +B' B@,, 2'

3BG C$E' $E' <$ 0 S + - : H " :

' # ' ? ? > A + -A' %-A+ A@D' A' B@,,

[illegible]

% R ' 8:@,D(2' * * !0' $(^ ' ' ..' PM!'F ") Q V'

/@JC @D'- ' +B@' B@,,' C ? ' B B' +B@' B@,,' B '

E@@A' C@?- @D'-C' B@D' % '

[illegible]

!B@,,@D2' C A+' - ' .)'$0

S ' 8@E(' ^ ' .. ' "" V

; ' #A@' B-' B) ' J@)'@+ ' ' * ,0 -A@' B- @'

- >J + -A' +' '+-' -J@A' E , @

[illegible]

E ' ' ? B A@' -C C J A.'-C C>EE A.' +B@' .C A'

C-?' +B@' -E' ' $ >/' ; 7 ' 0' .0

/ ' ' -A+C A @' -C JC- D A.' A' -E*@ +' +B' '

B@,,' -C' - + A.

[illegible]

!B@ ,,@CG ' '&', 32& 0 ^ ' ..' C* ' " V'

[illegible]

!B@,,@+2' @+ ' @@' ..

2 ' 8:@ , A(2' $0 8 AD)) (' [" $!"

!BD,,G A2' !B@6@ A' ^ '+B@' A ?@' !! "' 8 @@'

D@ (i' a' &@C+ A A.'-C' C@, + A.' +-2' -C' B C Y

+@C + ' - ' &@C G' OG B@' !B@,,@G' 8;Q<0 ;KOL(' -C'

B ' J-@+CG2' -C' +B@' D@ ' @SJC@ @D' A' B ' -CU '

' 10' A' D? C@C' - ' !B@,,@G

[illegible]

!-' !B@ 6 @G ? 2' +B->.B+' -C' + -A' B C Y

+@C + ' - ' !B@,,@G' !U@ , G +@2' A' D? C@C' -C'

-,,- @C' - ' !B@,,@G' ' KB@6@G- , +@C2' ' 7 -C B JJ@C'

- ' !B@,,@G' -' !B) @G- +UG

[illegible]

6 . ' AG' A ? , ' , A.' A' +@C' B- @' ->+@C'

- @C A.' ' ' B@,,2' B@+B@C'+@ + @-> 2' ' A'-G +@C2'

-C' C> + @-> 2' ' ' ' C E

[illegible]

OO' B@' B@,,@' G B@' + ,,@D' +B@' -C+-G @' -' +B@' @ ' SMX-'

[illegible]

E '% 0' - ' ' J@C -A

SK)' = (0 ' < !'? $ 'S ' ' 8$+,D.#'=LN' #J@A ?->+B@D'

AD' ? J@A@+C E,@' B@,, E

"@A @' =SQ 2/ J ? $

[illegible]

9S $' $ 0' K$ ' 10' a' * . ''

" 2' ' ' ' ' ' D' % 0' ' '

" 2$

[illegible]

!B@,, A@!!')@ = .$ $ 0' K$ .. '$0' i'

! ! a' ' G ' ' ' ! ' 3 ' 1 '

/ !$ G 2' ' T ' ' $

[illegible]

!E@,6 A .'8 @D C*(' 1!0' 1(K$ ' 'N'" 7Q V'

c/ G ' ' ' ' ' D' 3 ' ' '

' / / $ > '

[illegible]

$,&', 0' % 2' ' ; ' ">U ' ' $

[illegible]

E ' C A2' @+ ' C-?' B B' +B@' B> U' B ' E@@A'

C@?- @D

[illegible]

' 3 A>C A.' +B' B@,, 2' E2' ' 8!@@' I>-+ (

[illegible]

! ' B C A.'-' B@,, 2'E-?E CD?@A+' +B' B@,,

[illegible]

M ' B@' -,,@ + A.'-' @ B@,,

[illegible]

M ' 8!@@' I>-+(

[illegible]

' $ 1(0' ' 8') ' ' ' ' !! ' '

- $, ' (- !!( ) Q ' '

!! ' ' , $%(' &) . (') "D')'Q' '

/ $/ $ 5' !! ' '1 $'((

[illegible]

!B@ 6 ,@ ! ' ' ' , -' B@,,@ 2' m ' ..' 10

a'". V' 7 +B->+' ' B@,,' -C' B@,,

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

;!L= $ '%>$[# &'$ 0 $' 'S 9'8;K=)(OML 7 @ ->AD ->C @, @ + A-+B@C C@+ B@D B@,+G D .A B@D +B +B@ A ?@ - 'UB A ;KQ; $ 9 .. $ (! , (2 8@D O(O;O B@ " .B, AD +-A@ B@,+G

! B @ ,+G @@ .

3 8:@, (2 1 3 ^ 'A@ A.2 @ -, @D C-?

! * & (> H @ ' .6; / / , - %-?E2

! %!$ (

;PK 8 " ' 8 CB (LP B@A --+B@CA@ BC>+@C B> , A. 5,>AD.@ -A B .B E@,>@ , + 2 +- +B@ C- U B@ E> @+@D +@C2 DSS : ' 0 < 0 ? 0 S SS O+D KM; > D@,@ @ B@DC->@ +B +B@ +GD@ J-A B@,>@ A+B@ B- C@- % ,, R (: 1 +C $' ! !&> $ 0 ;OO B@C@, @ !B@, @ @ .>@ A ,@A.+B2 + +B@ ?->+B - +B@ $ >@C2 B B + ,- +@C B-,D A-+ E- @ @ -C S --+ +@C ;QNK ? 0 &!! - QK O ; B@ !B@, @ B B ,-J'D >J ! AD B " @A 4KL4 C $ A+C-D 2 B@ ,D J@2 -C -C? D E,@ B@, @2 B B C@I> C@ +- E@ ? CU@D EG , .A+B-> @ % > % ('$. ' < $ 8@D O(;OM B +D@ J@C +@ !B@, @ >J-A B B E-+B ->C %B>C B AD !+ +@B @ > @C'D ? @C E,@ !B J C@ U ;KO= ! -) E &'$'T SS2) B J, A C@ U@D >J-A +B@ -CD A CG B@, @2 +- +2 +B@ D >,+G - AD A. J@C -C?@C

! @, @ 8:@, (2 10F ^ + !? + 8 @A @ (a

,@D. @ -C B@, - C-@U2 -C CA-+?+ A $;QN; = 8 ' ((" "&) - (")P(OK 3 C 8;QNL(QM #A +B@ ,@ + D@ - + B@ A +B@ 5 C-JB@+' O@D2 E@ A. B@, @ -A +B@ $- U ;Q<; 6 - ' (,$ 0 7;9 7 @ AD +B@ ,,@G -C B@, @2 E@+ @@A +B@ +B CD AD +B@ B .B@ + ?->A+ A22 - @C@D +B J @ - D U [K-K - ? $) ,& 0 O<N B@ C J D +G AD C>?E, A. - +B@ C @C 2 ,, A. C-? B@, @ +- B@, @ ;KS= 0 & % ! " S 2 &C@ J @ 1 @,D A. A- +C U -C .- + -C D@@C2 ! @ +B@ E, U B@, @ @ +C@ D XK - E * C &' M= E- @ B@C2 -A C .' >A@) G)B , @24:J-A B @,E- C 'D2 ,, JC- +C +@ @, @2) D- 'D %+ @, D>

+ ! @, @ & 0U ^J@CB A CE +C CG ,+@C Y + -A - ! .) -C +B@ U@ - CBG?@

% .6 C a $' 0 - B @,D2 D@ @AD

, ;= P $ 0 C 0 OPQM A $, & C!$" 8;<N=(;P= 7 BG, B@ B@,D BG? A B B ,,@2 C- D@D,G GDA@ @ D D BG? B@,>@ H "- 3G2 & D@,>@a

3 8:@, (2 0 ^ ! J - ' . *) a

+, ' 0 - JC-*@ + , U@ B@, 2 - @CB A. 1 (?/CO 2 & < ' 0 A ;SP " C B ?E@C ,- + AD E> ,+ - B@,> A.2 +B + -A@ % AA-+ , ?E@ +

/ $' 0 - JC- D@ +B B@, @ 2 @ J +- >CA B

8 , EC CG2 @+ (+B E--U B@, @

;P<K A " OC D B &!!0 C$* ;M< +@? +>DDG@ D@ U@D AD B@, @D C->AD@ R+(+ ^I 2K ! C ! * A)$!!8;K;M(PO " E CC U B@ B@, @D C->AD +B J, ++@D + . +@C +B@ ? AA@C - B + E,@ 4KMX (% , 1 ;K; 1-> ->,D E@ D@, .B+@D2 +B->.B2 +B +B@ , ++,@ ,@ 2 A-+ B@D AD B@, @D +B C ..G +@CC @ ;KKM ;Z *0 *0 V * 0 ,0 < ! S E G B @ E@@A B@, @D +B . , A X@D C-A2 A +@ D - --D? ++ A.

- J, @ -A B@, -C B@, @ %0 +- J, @

-C CC A.@ 8E--U (>J-A B@, @

SM H H 55 $- Q< B@ EC C @ C@ E@ +- @D >J-A % ?EC D.@2 AD C@ E@ >+ >,,G B@, @D XK-X 7 ? (A &' !" $ 0 4 M=K ; B ,-A. @SJ@ +@D -CU2 ,, - ->C @ E@ B@, @D +B @ .@CA@ ? +B@ , EC C @ - B-, C ;KOQ " - !0 :>,G2 @?J,-G@D ?G @, 2 @A+@C A. ,, +B@ E--U 2 A+- +@?J-C CG + ,-.>@2 - +- B @ +B@? B@, @D AD ? CU) ;KM= $ O; 3 G MPO ; - B @ @ B E--U2 + EC->.B+ A2 C@. +@C@D2 B@, @D2 AD + ,-.>@D2

E $' %0

[ZS_ 60 " 6 2 0 8;K<;(OKK 1-> UA- U G->C B@ D2 G->EC> @ G->C C? 2 ,, +B@ B ,@ E@ A. !B@, @D A >JE- CD @ @@+ C-? +B@ , P-C 4K=Q " = ((- * 0 ' 0 PK 7 @ AD + ^+B) E-A@ E@Da B@, @D B .B2 ? G - J@ U2 A +B@ C + !+-C@G - +B 86JJ@C ! ,>C Aa G +@?

! 6 0 - , G D@ -A B@, 2 +- J>+ G -C >J D-A@ +B2 - C@?- @ 8 J@C -A(C-?

+ @ @C @ , - B!(

;KSO *& ' $ 0 4 ;L4 / @ @ +2 B B ->,D +@AD +- AA B , +@ +B@ C ?@2 AD B + +@ BA ,,G +@C?@D B@, @ +B@? ;KLK CC- ! , S 2 ^) Ma E@ A. B@, @D +B J, > E,@ @S > @ - +@AD@C -?J -A -C E A C? +@ ;KLN) . A &. C$* ;K >. 2 !-?@ - +B@ JC@ @A+ - @CA?@A+ ,' E@ B@, @D ;KQM = #(:) $ ' $ 2 - B@, @ B ? @, A A -E >C@ J, @ ,U@ OC@A+E>CA 7 ! $, 0 5$ - 0 ; ; :>A@ P ; - E@ B@, @D A @ J, @ A-+ B + -CD $ %B>C B ,, A+

E - J>+ D@ 8 I>@ + -A2 @+ (C-? -AY

D@C + -A

;K=Q !!) 0 & 0 2 ;N:>,G OQ ; A -CD@C +B + +B@ -J@C B->,D A-+ E@ B@, @D SK) & S2 B D C CC @D + A- D@ -A2 B@, @D)+B@ E> A@ ;)Q I $ %- / 0$?& ($ 6 2 MO A D@, E@C + @ ?E,@ 2 A @SJ@D @A+ - ?@+ ?@ C@ -C@D+- +C B@, A. +B@? ++@C A D@E +@ EG C A. +@C?@D +B@ JC@ ->I>@ + -A ;K<N * , $& O< 3 C =LL + @ D@A+ +B + +B@ ?-C@ ?E+-> J C+ +B@ 84,. A JC-.C ??@ ->,D E@ B@, @D EG --??-A -A @A+

! B@, @ 8:@, (2 0 ^# -E @?@ -C . A -C? Y + -A C-? .6 -C 1T @@? >A, U@,G -A ->A+ - +B@ @A @2 % 75C . !% D* 2 - ?@ B + -E, I>@2 A-+ I> +@ +C)B+ -C,@ @, a ' 0 # '' >C @ - ,-J@ .C D> ,,G , - +B 2" ' &%%(@+

;MS= K C) ,$ (;NM 7B@ @ B-,,- J@A+VB->@ B@,> A. +@@J@ / D +B@?' C-?' E,%7@ AD D A.@C U@@J@ 1 0 O4P B + ,-A. +@+ B A. 3 ,@ A +C ,A@ B + B@,>@ - CC@ A+-+B@? A@ !MPQ 8) ' 8@D O(;O< ,-- @ C?@ -G,@ # ?J+@D E@ + + E@ B@, A.) -A +B@ >AA@ OQOM (1 0 &"0 &) ' & ! =NO B@ E AU B@, @ G @CG + C-? +B@

-C+B@CA B-C@ $>/% = .) 8) A 1! &!! , 0 83 +, AD%,>E(;OO B@ C + ^ BVJ-ADa ? D@ +B@ A- .C@ + A @+G + B@, @D A C-? ,, D@ ;KOL 5 %; ; !# / ' 0 ?!$ ' ; ; ' ;0 ?' ' D@ , +G2 B B B@, @D D- A2 >J-A ->C C .B+2 A -A@J, A@ - ?-+B C- U2 +- +B@ D@J+B - ;NNN @@+2 S) +C $ 2 > $ & ' Q B@ ,,@G - +B@ +, A+ D@@J@A A ? DY - @ A 2 .C D> ,,G B@, A. >J +- CD E-+B -A+A@A+ ;KM= U !0) . " ;O< &C@ J +-> E AU - --D2 B B B@, @D D- A CD C-? ->C @@+ ;KKP <= ;)) 7 & C " 3 G 2 ,++,@ B,,2 B- @E @ !B@, @D - A+- +B@ ,,@G ,, C->AD2

- B @ A A , A@D J- + -A 1 0

;M== 7 $ 0 ?& S S e ;MM G-> B-,D + U@ A C>AA A. +@C2 B@,> A. A + +B@ +C@ CA@ $>%J = .. C $, 0) 1(LP; B@ B--+ ^- +B@ A@a B->,D E@ +@A@D - +B + B@A +B@G .C- E@G-AD +B@ C ?@2 +B@G ? G .- B@, A. C-? +2 AD A-+ B A. EG +B@ C E AD A.

$ 0 -+ ,+ -C +J>J 8 C+($!0

;PKQ ^?J,@D A .3 AD .3 7 1!0 ;KPL 7 1) 5 <!& (8@D O(2 ! 0(+- +>CA ? A>C@2 \ 2 C-? C+2 EG C A. + C-A+J C+ AD > A. + +- , @ -E, I>@,G ^ +@CAa ;KQP c7 /) 5 <!& (

O G ( )@, ?@A+ ($!0 ,bV E@,

S @A+2 B ,?@A+2 ? -A+ ^ .3 8]&"= V

G .3 7 1!0 10 L

;KNK# I -& 0 ;K==" 1 ?.0 $ - X)K 7B@A +B@ -? -A , @ @ C+B +B2M) ?@ -C E ,?@A+ - +B@ C+2 +B@ B@ @ C@ +B@A D C- +B@ E-DG - +B@ C+ A C- , -A. E-+B D@ - +B@) ?@ 1 0 ;;QO BC@@ - U + AD CD +@A-A@D + + -J A+- +B@ +-JC , 2 -C B@, @?@A+

3 8:@, @ (^ .3 N " V

-CU? A @?J,-G@D +- + + C+ $ I >- 7 & '0 &! 0 ;P== O .B+ B@,>@C 2 B B J>,,@D D- A@ +B@ ->C+ +B@G ?@ +- +B@ J, @ B@C@ A@@D >,,+- A,-D@ 1 0 ;P=P ; 7B@A +B@ + ,@ - +B@ ->C+ +>CA@D +- +B@ +@C D@2 +B@ B@,>%C J,> U@D D- A@ +B@ ,- D

O 8!@@ I>-+(

SKJ) " 0(! (.-A -C+C> U B@, A. -C ,-J A. +- CD +B@ E U

3 O 8:@D ($ 0 ^ !"O: i $ a #A@ B- B@, @ -C J>+ D@2 ;KK; - OM 3 C ;L =) B@, @D +B +B@ - @D A+@A+ -A -A+B@J C+ - +B@ E@, @C +- .@+CD - + ,+- .@+B@C

3 8:@, .(2 1!0 - $!(8 A @A @ L(B , A2 B ,E A2 @, A2 , A @@ ' 0 $!0 0 ^ .3 8 i # * B@ + -A - +B@ @CE .3 ;MLO A 'O :>JJ $* & &08;KKQ ONQ B@ !B@, A. - $--?@ A A -+@D AD AJ AA@.?D) +B !@ +@ AD EC U@++ ;MMP 8 & -($), %8 >@C !@@ (< 5C-? B@A @ B@ D@ @AD@+E + - +B@ + - >C +@ D Y J- A. -C B@, A. B O--U 2 B >.>C W-A@! ^@+ a 4K=! ?!$, .2 0 $ (!@J+ OQ< 7B , + -A +B@ >E*) B@, A. 2 @+ > C@? CU +B + +B@ ! -++ B O ,, B @ B C@D ? , C @

/ !B@, @ P-6@ + @,G2 , -? +@C , -C B@, @ ;K== 1 ?.0 $ - OS= B@ E@ B A. -C ? ,U B-> @ ? CE,@ ;K<P B.. V $% & *K B@ ->A+@C B .B AD +B@ B@, A.2 J C @,G ,,@D 7 +B E-++,@

* 0 !@@ I>-+ ;QKK , - $!" (

;M=; $ - (?. 0 8!>C+@@ (;M G +B@? A = @ @C ,, C- @ 2 C- @ - @C +B@ E@, A.@ - +B@ 7 A@ ;QKK 7 " = 0 & .0 LP; ! (?- @ E,@ D@ C , - - ' - ..-A -C C+ J>+ -A -C +-J. D) AD + U@A - -C E)G ,-D SK- $ 7 6> ,T 0 ' LK OG +B@ DD + -A - B@, A. +B@ D @C@A+ C-J @ E@ CC @D +B .C@ + +G ;KMQ <$ @ ;B +B , OL 3 C A 0 0 !& (1&$ (S ..-A +B B@, A. AD D@E- CD ;KQ; 7 . L) "* <11 2 @@,G2 B@@,G2 ?2 G@ ., U@+ + CU]G@ B,AA -A +B@ E A B@, A -+B@ C+

3 8:@, I(2 1!0 1! ^ !"

a B@ +,+ A. -C +JJ A. >J - C+ +- D@J- + +B@,- D

;PKQ - 7 &' 0 &!' ' ;P== O .B+ ?@A ,,@D A+A.@C 2 + - - @ AD AD--+B@ + U,@ @>@C @ ->C+ ??@D +6@ E@ -C@+B@ A,-D A.-C B@,> A.+B@C@- / B@ +N; -AD+-A - ,-J A. +B@ D@.C@@

- ,-J A. ,-J A. >C @ P B@, @

;MKQ 3 .+C &> $ (;; KQ A -?@ J, @ +B@G ? U@ ,++,@ B@, A. +B + +B@ C A 7 +@C ? G C>A ^C-? +B@ +@CC @a A+- --D@A +J->+ ;QO; =) 1! 8@D O(;<O - E@ C @D 5--+ -C ?-C@B .B@C +B A +B@ ! ->+B D@2 +B +B@ EG + ,++,@)B@, A. +B@ %- @C ? G +B@ E@++@ CCG- +B@ $ A ;KPL +C -1&! $)0 SS S ;QN B@ .C@ + A , A+ -A - +B@ B@, A. 2 +B@ ? ,,A@ - +B@ , AD2 ? G B@ -AY D@C@D @ >,@ - +B@ A+- C @C

3 8:@, I(2 **!0 $0 ^ 3; b i

L B + B@, @ -C ,-J@

;M;P $ 0 ;; ;<O A +B@ ? D + +B@ B@,> A. C-- @2 A+B@C JC .B+ JC@+B S S] 0 S 8;MOM ;KO U@ +B@C@ 2 B B B@,> A. ? C.@A+ E->AD C- +B@ ?-C@ ' B B B@,> A. 2 + A) +B@C@ +B@C@ ' ->A+ C- D B +@ A$ D J A. A+ + A..- ? A?!0 0$ PM= 7 B@C@ +- +B@ @ E@, A. B@C@ -D@ D@ D ?;K= - B@ ->A+ - ;@A+ B@C@ C@C@ A+ +B@ A+ C@) !0 ;K@A+ C

? ;OK AA>?@C E,@ CC- , A) +B->+@ @ + C-?+B@ B@C@ ?J + AD B@, A. -CD@C- +B@ C E@ U,@C $ J+ . 0 (S2 B@ C--? BD B@, A. CC@+ - @ + +B@ A-+ AD A+ - A-+B@C D@ @AD A.

.C @,G J, A A+- O@CE@C2 -A +B@ B@,> A.

E I> + 2

M=< - 0 - & 0 ON G->C AD ,G@ ?-C@

B@, A. -C D @AD A. +- CD +B@ $ @C ;MPQ ! B C&!0 ! " 3 0S ;NP &@@ @ - 7--D2 @+ B@, A. 2 -C ,@ A A. +- CD +B@ -C+B +B@ ; MKL E!& & 0 5 ,0(C CD +B@ ? 2 +B@ -C+B , MKL B@ B@,A.B@ C-? B@C@ ? A +B@ D@ +B@ D@ +B@ +@C@ +@ C$ +- CD +B@ B@C@ + +B@ D@ 4QMK - 8 ;QQM($!) (&)1 " $!) (+-B@ J, AU B@, A. 2 -C +B ,A+B@D.@ "@A @ !B@, A. ,G $ ((!, @, A " >@ ;MKN " = * &,$!0 * &,(=M #A@ ^O@ +a JJ@ C@D *> + A +B@ ? D + E@ -C@ +B@ BC-A@2 AD +B@ J@ + ,@ E@ A. @SB E +@D +- B ? B@, A.,G2 A-+B@C JJ@ C@D E@G-AD +B@ BC-A@ A +B@ ?@, A@ $>A> 03 0(C Q , $ (+@@JA@ 2 D@, +G2 E@AD A.2 B@, A.@ 2 E

! B@, G 8:@, (2 .3 1C3 N V #

B-C@ " A. B@, @ -C D A.@C-> AD E AU 2

EC--U 5>, , - AD E AU

&@CB > @D EG -?@ C +@C +B @A @ D@C @D C-?

.3 1 !,-J A. D- A $/0 " 0 A ;P2 B D E@@A@ DC- A D2 E>+ +B + +B@ B-C@ B@, >G AD B ,, - ;MN< $!0 $"!& %' = E2 BC-> .B B@,>@ OC--U 8EG @D.G E A U B@ B ,, - +@@C B@D D@@J@(;MPQ $ 7 ?$ 1$ & OM B@ @@ CD J C+ - +B@ AD E@A . C +B@C B@, @ +B@A C- U @2 +B@C @C C@ + G ;Q=M 7 R &&!8;Q=K(ONO B@ !B J ->,D E@ @C+ A,G +@ @C -A +B@ B@, ,% -- + ^ AD $>%&<) 0K= @,, #A DC CA-- B@, G D@ $ +& ?$ (0K 6A ->+B J@-J,@ B A. -A $ >A $" OQ 6A ->+B J@-J,@ B A. -A B@, G B-C@ ;KKP = B $. P " @ EC@ + +B@? A AD . A 2 ?> B J@A+2 B@, G C@@

! B@, *C 8:@, (2 $! $ (^) i 2a &C-*@ +A. , U@ B@, - @CB A. A.2 $ J$# 0 2 $ 0 ;=K2 D@Y J- +@D +B@ J D@ >AD@C B@, G C- U ;KMO 0-6 $- !

$! S ;L; B@ B@, G D@ - !A- D-A C- @ E- @ ?@ -A +B@ ,@ +

! B@ ,GA. -2 -E -C?- .. 7

i !B@? 1 0 $ Y 0 ^%B@ B C@ JC-A>A + -A - "C a f "C ,M

;MKK - &) " !)0 <0 + !B@?2 B@A+ -@D.@ ^- ,@ Da C@ +>CA@D -A@ - @C +B@ -+B@C 1 0 LOP O OG +B@ @ & A @C + - !U C+ - @ D @C +>CA@D -A@ - @C +B@ -+B@C2 ++ A. CC EC> A. +B@ @ @ D +D +B U AD - $-,, A. - b@ D -A@ +B A A-+B@C2 +@C ?@D !B@?

! - !B@? A. $0(+B + -C? T B@?

SMKK - &) " ;;;" LOM # B@ !B@? A. 3 ,@+ 1 0 LOP O &,>??@C & A @C -C !B@? A. & A @C

!B@? >,2 !B@? @2 -E . !, 10

!B@? @ >,2 -E - C? - 6B.

!B@? @C2 -E -C? - #

!B@? @C AD2 -E C " * * ! 0 $0

! @?@ @ 1 0 5-C? M B ?@ @ B@ ?@ 2 -B@?- ^&@CB -C. ? C@ D A. - ?@ -C? - # " :$L f # " C

P;Q A &, A B@ " ,!0 &) - 8;KQM(=PN T -+@ -C B ?@ @ ;PLP $ 0 ,,0 ! $ 5&!& $ 4 0=P B ?@ @ -E+ U@ JC A+@D ++@A $/& .. &' 0 8;P)N(D A@ -A C.?@A+2 ,,@D !B@?@ B B A@ @ ?@ +B@? DD,@ 1 (QQ2 J@C @>@D E E, ?@A+ C-G ,, - +B@? 5C@A B@ UG@.@2 B C?@A+ B@?@

! @ - +@ 8:@, ?-, (2 10 AD $0 ^ - 8"@6 C , -+ A ?@ - +B@ @,D@ + -A -

- B 8 @A ,-(1* % $0 AD 10 ;MP< ((0 $!0 ?1! ;NL B@ $(+B2 B-J@2 ,- @ - -D2 @ E@ +C>@ !B@? +@ 2 ?> + A -C? ->C B-,@ @ B B@ @ E@ @ @ $ J/ $10= 0 - 0 QM B@ !B@? +@ A +B@ J@ - .@ 2 J A - @C+ ?@C $ &&' 0 $ 0 8@D L(P=< + -A - !B@? +@ -C -A ;KQQ $! A , ,,0 ? 0 QQO O B@ .@A@> ?@ ? @ >C @@ +B@ ?@ C@ @A A. J@C J@+ ,G@C-A+@ J@C

"@A @ !, @?+ $0 AD 10 f " $0 AD

10 !B@? + X@ 2 3 A0$!B@? + B $0(B A. !B@? + B C +@C + !0@ > + ?2 +B@ +C E> +B@ !B@? + J-J@ $ A 9 A+C-D J S O B@C@ ,-C A, @A @ +B !B@? -? C-C ?@ &/ ,,0? 1!0 ($!& (OG -??-A - + -A - B@?A !B@? + B D + B@ , @ B ?@ !B@? +) @J, @ +-+B@ ?@ , ,@A +-?@ ?- ^ @ ?@ -C ?@ 3 A- $ /+ 9 Q 3 7 $& OO B@ A+@,Y + @ > + C- E>+@ !B@?@ + C @ ;KML $! A (- > 0 ?1! ;K;P O B@ .GJ+ A -CD - >CC A. @ @ @ C-@ @ 2 AD+B@ -C? -?@ -B@? >C>D A+ @ !B@? + X@D S%)L) .0 ,,@D > .C@ A? 2@ A? ?@ 0P; +C>@@ !B@?@ + ? A -C? U A.$, J$ 1 / +V &2 !0 MMP 5 C-> D@-!B@? E?-A@ AD CJ@+ -C B J

+ !B@> B2 10 5-C? 2 L @A-2 O L @A-B@2 8@ -aD(V P B@A-B2 = -@U@E) ^# \ ?]JC@B +-C .$ .3(C@, +@D +- ,J ,$" UTV >J >,2 DC AU 8- I>-C(% & ' V

%0 <& *0 3 + S =0 % @ " @A@ ^ ,$!, -H ?+C@ ,D@ ,S--- $50 0 ; ;O! !G,@ DC,A A #A A@2 + @S A @A @ - ^ @A @ DCG ;OPN & $! LL) 8 .@C+-A 3! (J@ -C,D> >,@ EC DC@A B@ 3@ + ,,@ ?@A B@) >@DDC AU@2 -A@ D@- ,@ @A B@ 0 0 - A ?@>@,@ @A B@a ;ONP <M<0 J> @ D@ ,@)9 A. J@CB@C @ +?@ D E @A B@ A B UA@ E@A@E@ 1 0 ;L=M; " @ @++@ B@-?! EC A.@A E@A B@ @ - ,@ >AA@ DC@A B@ L) " $ 0 8 7@E@C(PMO "@ ? D@ +B@C >AD@C .C@A@ E@A B2 AD DC AU +B@C >AD@C ? @A @A B

+ ! B @ > ,, 2 B@>U2 0 1 0 5-C? ; O -@A A2 A 8@(A2 -@A @ A2 L -@A-, @2 @A B@2 8 @A , @2 L = @A B@(2 L P -B@A B@2 = B@A B@ % 0 0 L -0 B@AAU@AA2 L @AU@A2 M -B@AUGA ^# ,% ,= +$ f #5C . $0

! ' . '. $' 83 ' , ' ' ' B@A @' # 2' . '.B$(/ ' . '. ' ! 2' . '.$W' 3 / B 2' ? -D' / > ' , '. ' ' # " 2' , '. -' 83 " ' ? -D 2' , '. '+' # @>+' .$.%$ ' ' '

5-C' -A*@ +>C@ ' ' +-' +B@' >,+@C -C' @+G ? -,-.G' @@' 9,>.@' AD' 5 ,U' \' -CJ (

$' 0' -J->C->+ 8, I>-C('+-. @'8 J@C -++('DC AU2 ++' ? &2) !%=<M' J@*A' AG++@') B@-,D' @'_V@ -A' B AD 'E @C' BC-D@A' @ ,- @.@' @AI+@' C' @C@D')QSNPN $ - 10' C (444 ' < " ;P' E@-(V .@DC@> +@' - 'E>C- A' +V?C@ GA >?AG)@' \' *(>' @A +' H"0(*& $1 H' B . ' $' ;NPN 1 ' , ' !!0' SSG ' 8;KK<(NM :(@+ AG ' - 'C @ @ +' ' @A @ A' 0 & !'$!' ,'$A+/' 'K;O=' ! @A.+@' ? +D'E@-C@' 1 0 ONLQP' " @' D-' ? D'B '*@,J@' :*@AA@' ? @'B ?' A' @A% B@! ' ;O<Q' 9 '< . B ' 8$-,, (' OPOM' J@' DC AU@' -C' +-' @A E@' 0 0' B@A B@2' @A B@(' ;L 'V 0' ! (' QPK;' 8 >D' 3 ! (' " @' G @++@' -A' B@ @' E@A B@2' AD' GA@' \' JG@?@A+' .GAA@)' B@A B@' 4L<N < 8 ' &)%0' 'OML' A @' 'B ,+' + @CA#' -C+-' B@A B@' B +' DC AU' B B' ? U+B' +B@' B@C+@' @AA@ ,' ;ONN ' ;P=NL2' \' +>2' ,@' @CCD' :@ >' %C +2' @' B@C ? U@ +' A-BB+' + ++' @' QSOPN < '0' 50' LOO " @ 2' @AU@D@' B C@' B>C@' ,DC@' E ,@') ;==N' &%&*0' C - L0 ==! ' ! B@AUGA' DCGAU@2' * &* '&0

" @A @' ' ! B@ AU@C

Q;==N C &- *0' C$ 0' P4 ;' OCG,U C@-' GAU@2-C B@AU C@2' 8DC AU B AU@C@2' C 0H' * &* $& '* &* '$ 50'

! B@A B JJ2' -E ' -C?' - ') 1'

! B @ > D 2' ' ' ' ^ ')' ' % '

) V' / .C @2' +> A

Q;=NN $' ' &"'? .0' QLN=' 7 @' " ..@' B@C@' A' +-C ? @' AD' B@AD@' $';=PN' ' & ' 0' ;MM=' B@' I>G@C' +B A' ' D-A@' +-' B@AD@' ,'$&/+' 3 B '' ! ' OK=' 5-C' *,@' @CU' ECGA.@+E' ' ? A' +-' @ ,@' @AD@' AD' *A' +-' G ,A@' \' GAA@C@' B@AD@

! B @ A D' 8:@AD(2' - ' $!(AD' $, 0' & '+' AD' J ' JJ,@' B@A+' 8:@A+(' 5-C? ' ' 8 @ (' @AD A2' 8 @ @AD A2' @ GAD A(2' O' @ AD A2 L' AD@A2' @AD@A2' K@@ AD2 -B M D@2 8 (@AD@2' 4 - '+' B @ AD2' L P' -B@ D2' L Q' B@AD@2' =' B AD2' BG D@2' -B)@AD' -B) AD2' = P' -B AD2' -BGAD@2' B@@AD@2' = M' ,0 -B@ +2' P' B@GAD2' 8 B@A+@2' M Q' B@ +(2' ' B@AD ' L' % 0' ' 0' C 0' ' 0' ;' 8P< (' @@ +2' 8 @AD2' @) -@AD2' AD2' @GA+(2' L =' B@A+2' =' B@ +' C$0' ' C2' L' 8 @ (' -@ +2' @AD@2' @>D@2' L =')C@ D@2' L)P B@A+@2' L M' @B@ +2' =' B@AD@2' B@A+@2' L' B@AD2' = M2' <' B@ +' L' 4 - '+' B@ D@DD ' C$0'*! 0' ' @' -@AD2' -GBD2' 8 @ D(2' L' ! B@A+2' @A+2' 4 - '+' B@A D2' G -@ D(' 8G (@A+2' L P' B@A+@2' G B@AD2' @AD2' L Q' B@A+2 =' B@ A+2' 8-B@A+(2' = P' G -B@A+2' 8 B@AD(2' 8G (B@AD@2' P' G B@A+8@2' 8@ -B@ +(' -B@ D2' -B@@A+2' P M' B@ D2' P Q' B@A+@2' LV' B@ +' H @ -@AD@D2' 8 8@(D@D(2' P' B@AD +)' < B)AD@D' ^# ' , ' $'' 8 , -' , ` ' $'+" -CC@ J'+-' # - ' 5C AU B' , ' $'' 83 / >b2' ? -D / >2' , ' +(3 2' ' , ' (# " ' , ' $'' 83 " 2' ? -D ' , ' '+# @>+' +GJ@' > .$' B$' (' T .$) ' @@')' 0

+@C' +B@' ;P+B' '+B@' -CD' - >C' A' ,+@C +G'> @ ,? - +' @S ,> @,G' A' +B@' J ' JJ,@' ' ($ '@ @A' +B ' -C?' @@? ' ,C@ DG' +-' B @' E@@A' @,+' ' C) ' A' +B@' , ++@C' J C+ - '+B@' M+E' ' +@C' +B@' JC@ +@?' E 'E@ -+ @C' C@2' - ? @' C +@C' - ' > @D' ' ' JC@ @A+ a

' $' 0' -' J>+' +-' *GB ? @-C' -A > -A' '+-' -AV ->AD2' D .C @

QKOP *0' C 0' S 'L;' G,' +A@' ') @AD A' ^ >,.' '&!' - ' ,&'%)' W0 C -Pb' $ - 10' C 0' SS ' L' ,@']LP0' AE D E' B@ A@' E@-A' .@ GAD@' ,'$A+/' 'LN<N 5 -C' A >@C' B' A@' @AD@' J +' (>' ? @' -,D)' E> ' AD@A' ^OOQP' @AD@a' ;OQP' 1' C$ ' ' !' LMO' A' 2 ! 0' * ,0 OOO) +' *@' E@' B ? GD' AD' B@A ' C;LNN) & ' 0 ;MM<N ' B@ > ' A X ' C@A2' N ,>> ' 9 A . 2E) V- ' B) ' C +@2 ,' -C' +-' @AD' ^SL ' 8 -++ (' B ADaB ' + +-' Q;LON ' 0LOK<' (V@ C @C' E + @C@A' A' B ,, 2' ! B ?,G' @C@' E ' B@AD@')=OM B) ' ' C& - 'OQ ,,G ' +B' B@A B J' AD' +B' B ++ @' +B ' G,'E@' @ B@A+' ;=LM 1 !' ' 0' C& ' +%[5 ' C&!0' C& ' ' 8$-,, (' ' ;KL' -' B@AD@' +B@' -,D@' A.6 B@' ?@ 2 ,' ;PQ<' $ 0' C& - ' %& - (S ' O;' B A2' 5 +B@C' , A@2' 3 -+B@C' ' B@A+' ,' ;PKM' %'+ ' ' ' L L ' ,2' @CC-C' B ,' G->C' ? AD@ ' ? +@2' 0,> B' AD' B ?@' G->C' ' @ ' B@AD' ;P<N' 1 ' C0' A0 ;' ' LP' / @E +@ >,' +C @2' AD' C>@,' @A? +@2' B@' ? -> A D>@- UA .E+B--D - ,G' B@AD' 4M=4 # ' 11' &!0' &!0' 2' ;<K) ' @C @' D@@J@,G' +-' B@A+' AD' B ?@' >' -C' ->C' C +' EC>+ B' .A-C A @' SKSK : ' " - ' ' P<<' " @' ,' E@' B@A+2 7 U@A' B@' B ,' B@ C' +B@' @DD A.' ,>+@' ' J, G A.

+'E ' -' J>+' +-' B ?@' EG' >J@C -C +G'

$/0%' 1 'C & $!0' [O') @' + U@2' +B +' D D' @S @,' B@' C@ +2' -' C2' '%GA+B 'D-+B' B@AD' B@,@ @C' + CC@ / ' -'E, ?@2' C@JC- B2' C@JC- @ ' +-' @ ,@2' -,D' A' , +@C' > @' +B@' J) @' - +@A' f' +-' > @C -C' -A@' ' D@@D 2 E@' J>A B@D' 8 ' @A @' L(,' O>' .6)' < & "!' C$ 0' 0' SSS ' ONQ' / -++#' ? ' ,@ A' ?-A' ? @' & "' E@+' .@E@+ A' !@' E A@' ? -A' > !>C' !C@ !' \' @AD' = & A' 0' @A+(' Q4ON- ' ;<<0' J ++' LB-' A ' @C@' B ?@DD' B@C2V @' B@AAD' - '+? AD) A@ @' ,' OOLN $!' ' 0 8O-D,@G(' =P=%B +' +@' \' B@- @+! EZV ' B@-?@, B@' B@A+' +@' ' ,' ;O<N ? . ' <QP' A' 0' 0' ' 0' 0' ;L=' ' ->@CD A.@' ' B@' @ D@2' B@C@' LN @-X' B- ' E ' ? A' 2' B@A+' ' ,' ;L<=' C0' C 0' '<' 7 B A' G' B ,' B@ @A' ? GA' EC +' B@A+' ? -+@' G' -CE A' Q;=LN " - ' ' 0' 8;KMQ(' ;N=' -DD ' A ?@ A' GD ,' + U@' E) > A-+2' 5-C' 'E->' D-' E V> A U'E@' B@@A+' ,' ;=LN C ! 0' " %' $' & 0' SSS '8;KM<(' ;' ? B+@' A-+' @AD>C@' B@?' ,-A.@' B@' +B-6+@' B@AD@C)@' ? G @,' ;POL')' ' & 0' 2' DSS 6 ' =;M) C' $ -E@C+' % --,' . +@' A' +B@22' -G .@ E->@' +B@' -?F @-' B>ADC@D' +E-6 AD@' C AU@W2' B@C-' +@C C D@B@' B@A+'@' P=L' A' !+CGJ@' $' - '8;M<=(' JJ' MM' B@' %->A @,' D

B +' +B@' :> + @ ' - '@ @CG' B C@' B->,D' E@' B@A+2 +B +' > B' +B A. ' B->,D' E@' ;P=K' X) .' $ 0' C$ 0') . 'SS ,' LP LK' !@GA.' +B +' &@+@C' ' B@A+' E@ > @' +B +' B@' C@ @ B ' @-CD@' ;PMK' 6$,&1' = ' $)' A' 2' ' ? > +' A' . A@2' ,@ +' J@CB J ' 'E@' B@A+' 5-C' ' U@D' A-'E-DG, @A @2' B@A' ' @A+' SM--' = ' $ '&%? !$& < +' MS' B ?-A +C->' AA@2' -C' B B' ' +B> ' ?' B@A+' SM-S' ' 2 !0' 0' ' 4[O , ' C'E@' J + @A+' 7 B +' G'G->' C2' ' ?' B@A+' -C' J@ U A.' +-'G->' $'SMMS' -B.. ' & (& - 10' 8;MMO(' ,' 4PL' 1@+' ' B ' -G ,+G' B@A+2 E>+' A-+' B ?'D' 4QNN) ' &,.' = ' &5' ;' ;N' 3 > B' ' @ C' ?G' 0-DG' ,' E@' B@A+' ;Q= ' ' , &&1 0A5,1 [0!J@A @C(' ;K ,B@G' '5-C>AU@? J+' B C2' -C' + U'>A -AA' D2' C@' -C@,G' B@A+' ;KPP' ' 8 7 $ ')) ' S2' 3 +@C ' E@ A.' , >D@D' AD' -, +' B@A+

C & 1(S@ ' '& 'C& - % 0' '&' ' 0' MKL ;O' " - ' @ E' EZ -E@2E@' B ,' E@' B@A+' S;=NN A' &' ' 'C& - ' &) - '8&@C @C G' ! - (' == 7 B-' @G+' +C- +B@' ' B@A+' ;=<L' $!' 87 ' D@' 7 ' ;PSP(' OM ! - -' B@' +B +' G,' G@' +B@' +C->+B@' B@' B ,' E@' B@A+@

-' D@ +C-G2' C> A2' EC A.' +-' D@ +C> + -A' , -2' A' ? ,D@C' @A @2' +-' A*>C@2' D ? .@2' J- ,

<NN 8 B .6' ;P=K' !@' D@-J ' @ D ? +D' + ' @, -, > ?' @AD@!' NS;QP' $ - 1 0' & '0 L< " @C @A@' C@- , ' E-A@' +-' E DD@A@' E>+@' 7@ A C, B@' ? , @A' BD' -C.@>@A' E A' ? -AA@' EZ > ' C@!@!' AD' @ AD@+' QSONP ' AJ%0A' J@' +W@ E ' @AD@E' ^;OQP' @AD@ a' E ' ,@-D@' ,' ;LNN $ &20 !!'8" C,' 3 !(' ;LN J->' B ,+' A@>@C ->+' @AD@' ? -AU>AA@' -C+@' B@AD@' ,' ;LLN ' 0 ' !0 =PN 3 A' B >E@CU ' +-C@A+' \' J A' J>C B' EZ >-D' B@A+' ;LMO 7. ' A ' &C-,' <P' -' E@A%,@CU@ ' - ' E@' UGA.@' O@A @' EZ' %>A+C@' +-' B@AD@' ,' 4LKN ') - 1(POL' J@' ! C GA' GD' + ,' B ?'E >A@' ! JGA' B@' +B@C+@' 6'E@@' BGAD@' ;LKQ ' ' '8$-,, (, ' L=Q ' A @G' ' AGB' ^ ,a' DC@GA+2' AD' B W- - +' B@AD' +J' - ,D@' AD' EB-A.@C' ^ '%$ - ' % & ' , ' $1) H' 1 0 ' ;K;' ^ A' ' B ,Y +-C?a' ? @A' @C@' B@A+' =,&' H' AD' ->,@' @C@' ,@' ,@@' A' EZ GC@' ' ;==N < $' & - 0' SSS ' + -' 8" C,' 3 !(' B@' #GA@? @A+2' +B +' E@AD +B@' +@+B@' - 'E@' 6->A@2' ' ,? D@D@' S=Q- KP') '5 0' S '=LO' B@G' -,D A-+' -C' A-' .,' -D' +B +' C@' / . -A@+' @C@' B@A+@2' -C' 9 GA.' C+B>C' ,->@D' B G?' J GA.@' @' SSP--' !&2 ' = ' $%' LMN B@' UA .B+@' @,,2' -C' , U-' ' B D@' AG' B@A+' ;P=)) W') ' , ' C 0 ' SS ' P' AD' C@@' C- ?' ,' D>@C +@2' B@A' -+B@C@' ? @A' E@' B@A+' 59&&- 6 L' $ &' ' 2' O>+ @' ? > +' G@@,D2' B - ?' B>A.@C' -- A@' ,' B@AD' ;MLL' ' C '&%' $,b ' ;ML' '&BG + A ' B->,D' A- ' ? + +@' +B@' " JJ- C + ,,' ->C @' - 'D @+ A. 2 +B@G' B->,D' E@' >++@C,G' B@A+' ;M<Q) ' 0' < & 0 ;;' MO;' B-' B@A+' B@A+@2' ,2@ @!2' AD' B ++@C D' C@' +B@ C' C? ' 1@+' " @ 'A' +B@ C' C->' ' &, A+' ' -C 6 @' D@ .A ' SKSO 0' $ 0' *' S 2 - ' J@C -A .@' - ' B .B' -C' ?@ A' D@.C@@' / -+B' % @C' -C' ,@ AA@ ' -' >C+-+2 -C' B C+' B->.B' B@A+' +B' .GJ+' ' J, .>@' 4<NK ' !' PO' 3 G' J J@C 'B @' E@@A' E@AD@D' AD' C@AD@D' AD' +' +-' +B@' AD $1 &!0' $' ;PMK' ?$' ' $ " ' ' 0' 8" >A+@C' %,>E(' M=K' 8)>E,+B C' B-' B@A+' -C' B-' 2' ' ?' B C' @C AD % / ' -'D .>C@2' ! J- ,' + -' -CC>J+2' A @ +' +-' D@ ,@2' - ,' 0 $ &') $ - ' 0) $!' 8!>C+@@ (' ;O; =N' EG,' @AD@AD@' $) $'&) - * ' 4LLK$' B ' &'08;QOP(' ON=' $ @' P' .' E ' G)' 5-C' E->' B ' @++@' "' EC@U@2' B@A+' 'E' B@CA G ' 4L=N " '1(;=K' -C' EZ,Z >@>-CC-+@D' -,D@' @AD@' EZ B-,@' Q;LKM B 'C$ 0' 0' KP=' 7 B- ' -' +-> B@+B' C? ' JG B' +' B@A+' B @' GA.C@' 4LKQ 3 ' '8$-,, (' ;P' "@C ,> ' D@ D@' A' EZ DC-J@ ,@2' AD' ' B@AD' ^ ' ' * $ $')]' +B' E +B@C@ G- ' E@' , -EG+@' ' $';=PN' ' 0' ' $' &) 4 +OP' ! B@' B D' B@C' A- @' C-U@D2' +B@' B B@' B@A+' AD' DG >C@D' B@C' > .@' 4!LN 7 ' Q;Q O' !G+' B@A @2' -C G->' B ,' B@AD@' G->C' ,-+B@ ' 4KQM ' &' ' &% ! 0' ;=P' ! -' +B' ,-C@' +B@G' B@AD' " ' , @CG' - U

P' ' *$(**! OM' # @C - ?@' +B' + .>@' E@ ,Y D@C@D2' +>J@ @D

,' 4=NN +C' , $' 03' (<& 0' & 0' ;NP' " @' CG@D' +@C' B ?' AD' GD@2' T E D@' ?@2' ' ?' A@.B' B@A+' - '.-GA.@' SK K' @0 0 <& T' ' ! '$' 3 ' ;K=N 'O)' 0--+' A-+' -C' ? X@' B +B' B@A+' ?@' 4<NP) !&&.' ' ,@E ' ;<= O' +--D' >++@C,G' B@A+' AD' J- @C, @ ! ' -'D - ? +' 8 A' E ++,@' -C' D J>+@(' 1 0 A' Y' -A@ -A' ' - +@A' D' +- ' B@AD' +B@' D@ , CK<L' 5$ /' & 0 ' SV ' ;' 4@C ' @' E) ' @+ + ?' CC>? -AW @? ,-AD@ .@ @AD' = ,) ' $H0' $ " \' $ - 10 & '0 O;' ' ,+' . A' +-' C +@ AD' J,A A' J p Z , - ?@' EZ B +J@' ? U@!' D-A2' AD' @AD@B' E@A@' D@- @,' $' ;OOP') 0' 0' O<K' ! BC +' B@A+' J@A@' D@->@,' \' B U@D' -'E ' B@ >@D2' \' +-)DC@ >@!' B ' @CD@' ;O<Q' $ ' 2-> ' 8$-,, (=MMM ' @A. +' J-C>' A' J ' ,-CC@' ' G @A+' ;LQP ,0' 0' $ ' 'SSS ' '=") '+' O=;2' \' E A' C@' J ' >,@,G' B@A+2' \' -C@' C@DA@' C ' EGC@' @A+2' ,' ;LKP' B 0<' 0 0' M PO G, +' +B@' + @ A+-AG@' B@A+' \' J>+' BG?' +-' +B@' ,G.B+' Q;=KN (4' $10' -' O;<4' B@' -S@2' I>B@A' +B +' B@ ' +B@' - ' ' B@J+2' ! D' +-B ? @, 2 '+B C' A@C A.' ,E@' ?GA@ ;M=L' 9 ' $ -%&3) ' P' " @' +B + ' C ?@ 'E ? @, @' ,+' +B ' A+@A+' !B ,' A@C@' E@' B ?@D2' +B->.B' E@' E@' B@A+' ;KO< B ' % ' & ' S2' SS 2' B@' / @@D' ' A>,,2' U@D' A' +C>? @A+2' -+'+-' E@' J,@ D@D' A' +B@' % ->C+' ! C'5 @AD2' +BG' > @' ' B@A+'

i' . ' ' 0' f' T' +-' E@' B@A+' ' ' 1 0

$' S 3' B ' & - 0' & ' ;=NN AD' >, ' - ' .C@ @',@>@ ' G++@' B +' -AA@' ?G.B+' B@C@' A-A@' D @AD@' @ ++B@' +B@AD@C' .C @' B@AD@' QS=OP' % C' C 0 OKL' A' $, &' C!$" ' KP' 5-C' B ?@' ' *-AD@' \' B@AD@' %;PMN' ' ' C& - ' 8! ! (' SSS ,' ; ' F>B@A' E-DGZ' B-A-C2' AD' >E + A @' B@A+, 2 AD' >,@' A' J@CC@,, bEM' A' +B@'), &' ' &%' &"' +B@' JBC @' & ' &%' ' JJ' @I> ,@A+' +-' +B@' +C A + @' > @ 2' +-' D B-A->C2' +-' D@ +C-G2' A*>C@' 1 (

%4=NN 0' &"' OP==' 5-C' +-' B@A ' - ' B ?@2' B@AD' ' ->C' -- ' 1 0' PO=< " @' B-+' +B>C.B' +B@' B@,+C-A' \' B@A+' - 'B-C UA .B+@ ' 1 0' ;LM<<' J@J' #C@ +@ T!@E ?G+' +B' J@' B ,U@2 +B +' B@A+' - 'E ' 7 @2' AD' - 'D@CA@,G' BG?' D D' D@C@' \' D J+

! ' ,' ? R$N 1 0' ^ JJ ' ' -CC>J+ -A' - ' ((C A.' C-?' -A > -A' +B' JC@ ' -C' - + -A' +B' ' ' -C' F $ ' b a' $' 0' -' B @,D2' D@ @AD' , -' $1 &!0(' <& ' &' ' ' ' T -D' B @,D'

. 7 'QSQ O2' ' B ,' B@AD@' BG ?' . GA + ,' ?@A' -' ,-A.@' ' ,G Z' 1 0(' B@AD@2' ' -CEGD' B ' @CE@' +B@G' 6 @ -A@,G' A' +B@' J-+@A ,B ' ! G@' G->' -' 3+>G@' -D' B@AD@' ' $/&0"%A' .)' \' " ' C 0' S S2' QM' ! -' C-?' ,' ,' ? @' B@AD' $' $/O>' ' $ ' ' ? $1 '8;P<<(/ ' + E2' @+' / > D ' " CJ@ A.' B ' JC? @' +B +@E@AD@A+' / > D' ?@' $/+ ' 1' ' ' $ 0' ' QL' JC@ C@' ' EC X@A' ,' +-' B@AD' +BG' AD' C-?' @ C@' ;MNO' $ ' <& ! -0' OL' -'D@ @AD' AD' B@AD' +B@?' . A +' ,' D @C C@' B +' -@>@' ' ;MS=' 7 ' 8 ' * 0' C * ' OXE2 B@ @' ?G' B C?,@ @' - U@' - ' B@@J@' AD' +BC->.B' ,' +B@D G' +@AD' +B@ ?2' AD' C-?' 7)>@' \' 5-S@' ' ,@AD' +B@?' ;MOP' +! ')' ?$ $' wLO B->' -J'A@ +' D@' +BG' , J' + - #B@AD' +EG -AA@' C-?' B C?

/' **!0' $0' 1 0 K$ ' $' H

+E' $ > $ '**!0' $L' * ?' 5 $;L ' 03' 0' ' 0' C 0' % ' O=M # ' J +' B@AD@D' BGJ' ?@A' B- >@D' BG?' -A@

+'! B@AD' ?;' $0' 1 (5-C? ' L = B@>D >,2' L P' O B@A >,2' =' B@AD@ 2' B@A+ 2' B AD 2' BGA >,2' B@A+ >,8@2' @AD -,2' = P' B@A >,2' P B@A+ 2 %B@AD -,2' @AD 2' B@AD -,2' P M' B@AD' ,,2' M B@AD@ B,,' 8 ')' 12 N' "6B. V' AY ? -> 2 D .C @ >,

+;OOP' ' , 0' ONN J@' >-C?@ +' '%B@ +@2 - @C' !+C 2 JM O !@C ' 7 -D B J@2' J@JC DD@' ' ! B@J >,' = 0 0' B@AD >,a' 6JEC>D' %4LN!' %0' V ' ! - ' LMM A' 0' 0' C 0' 8;KMO(' PQ' O-+@' B C@' @AD A.' E AD >,' @C@' QSLMM' B ' & - 0' & ' * P< 83 !(' ' B@' @' AG' .C@+@' ,GA .@' O@' EC->.B+' +-' A->.B+' A' BGA >,') ' Q;LKN' ' - *0 ;<QL' JG ' D G' A@ -,' G' -A' ? GA' B ,,#' DCGAU@' B +' GA' A@' C@D2' 6' G' ^B >@a' @@A' J@' ,.-+->- ' ,,@' -A' B@A+ >,@' D@J@' E@' D@D2' ,57 \' '' 0' 8& (L=-C' B->' +C +' DG@' -A' B@A+ -,' D@+B' ;PMM' V$ ' & $, ($ 0' ' #' 'E2' B +' B@AD >,' B ?@' +BC->.B' -CD@' -C' ?@' D D' A@ @C' ?@' -JJC@ @

S /' $ 0' 1 0 K$, ' $0' H

1) a' 2/ 2/ 2$

$' 4COP ' , (0' L;M !J@' ,>C@' B@-?@' B@AD >, B@' ;O<Q' $ ' < . BW' 8$-,, (' ML=L' J> ' @AD>-,, B@' B@' B ?' ,->2' ;LMO' 7 .f ' A ' ' QQQ' OM;' -D' @AD@' +-' @@' J +' A' !>,a' B>,D@' DG@2' AD' , B ' @@D' -C' J +' !>AA@' B@AD >,, B@' @AD@' & + L ' &' (* ' 0' S '@ M E2' 5D@, 'E@+B->.B+' B- @' +B +' B@' ?G+' ? C@' B C' +-' UA >@' -' B+' UG B@A 2' AD' +-' BG ?' E@+B->.B+' C' B@AD >,,GB, A@' ? C@D' -C+-' B >@' B D' B C' AD' +@C CD ' $' ;PSL' J #!' ' &'0 ,S> S' F PLL(' WO' B@' @AG ?G@' -' +B@' , AD@' @C@' B@AD >,,G' B GD' AD' ++@C,G' -A ->AD@D

H 9 $' 1 0' $ 3H' K$ $ ' $0 1'* '$L' : $ ' O$ ' , 0' 0' LOO B' B>,,- +C> @A' *' ' B@AD >,' A@ @' -' J A@' >A@' A@ U@ + ! B @ > D A . 2' 1!0' 1 0' 1 0' B* C.' B@' ' ' (%D' / $ $' , @' $ " ' ==+' /@>@,' .@,D U' B ,, A.' !' ?@' AD' ' @AD A.2' $';LNN) & ' 0 OOMM 5JC J' J +' +-C' B ,+' E 3 ,-A@2J +' B@AD+A.' @' + ->m@A' -GA@' QS=NN' $) ' &"' ? .0' <<P=' !> B@' ? G +CG2' B +' +B@' ! B ,' ,@D@ ' A' ->,@' B@ADGA.2' ' +B' ,G' +-' +BGA' @ADGA.' ' Q;==NC &- *0' C$ == ' !@E@ADGA.@2' -C'E, ?GA.@2' Qb S) !D @ADGA.@2' -C' > ,@' AD-GA.@2' ,&' %) &0' ;PON ' * 0' ' > ' 0' S4S S2 ?' J@J ,@' C' A' B@? A.' +-' ,?@A' ^ >,.' ' &** &0' ' - ') ' '&- ' 1) +' E@' ->C' >?J 2 +' $ 1 ($ 0' A' L' -B@AD, - ^ ' ' * T. E / 2$;SOOP' 0' V $ 0' ;OKP' ;Z ' + ' ?? @A' B@ D@A' ? D' -CD@ ' - @C' A CJ@A2' A@C@' B +' B@AD,$#' A-B +-' ,,@' J@+ P@,J@K- ' , C@ ' $HOO ` ' , 0' 0' ;KK' J@A B@!' @>@C' A' CD, B@' >J' M' -D@' J A@A2'] >-C' B ' JC@,,@ 2' J-, @A' > B@' B@AD, U@' \' B-U@C@

+! B @ AD,G2' $(' 1 ($ 3 0 A' L' AD, -@' ^ ,+@C + -A' ' -- ' !'!2' - + -A' +B' +B@' 3!$ ' E / $ QSOQP' ' AA>&' @' ,' J@ A-' ? A' ,D@ C ?' AD, @' D@ J@

! B@ ADA@ ' 1(5-C? ' $(' @ @AD ' AQ 8 2' @ @ AD G 2' - -GADAG 2' L' B@AD 2' @ADA@ @2' =' B ADA @2' -B 8D(A@ 2' 8 B@A (' K' =' B AD @2' @ @' ^NI(' ,%' 3' ' " ((' ' (J ' JJ,@' - ' ' $"' ' Y' @@' 9 a' B@' -AD + -A' - ' E@ A.' T B@A+' ' D .C @2' C> A

' S-#-' 5$ ' & '0 8 B(' 'MM / -A@' + @- -,' J@' K' GA >,, A'2 @,b+' +-' .@ GADAG @' 0 E ,-A ' @-'%B ,D@' 'E>CB2 ')@C@B+' T S@ GADAG 'g' , &2 0' C 0' 8! J@,? (SSS ' LN !GA' *@ + CGDD@' ? D' .@ @ADAG @' ^ ' ,&'%) &' +0 ,' 4OQ!' C$ &') & ' OQP' A' 0' 0' ,(=P' 3> B@,@' B@ADA@ @' B' D>D@A' C@' DCGB+@' ;O<)' $ ' < . B ! 8$-,, (' QNLN +C A.,@D' B@ 'C,*+' J@C' \' D@ D@' ++@' E-CD@' ,' + ' J' @ADA@ @' GA->' '4L)' ') - 1 0;QP' @' J>+' B+A' @+>@A' -A' ' ' B C -C' . +' ' B->C2' $ +>CA ' B ?' +-' B@AA@' '\' D-,->C' OJ >' 3 ' ' ' ' 8$-,, (' ' O=P' J ' ? A' 7 ' E-C@' +-' , ?? @' AD' B@A A@' -' A -F!) ' Q4LNN' ? ! ' &&@C G' ! - (' 99' -' EC A. ' ,' +B@' , AD' +-' B AD @' AD' B-,' B>C B@' +-' J ,,@' ,' 4LNNN' ($ $ ' ;NL' %B> ' @J@C J>' -,D' ? D' B AD @' %-D@J@' E@-A EC-)+' Q;LNP' 0' V ' ! -' LML' A' 0' C 0' 8;KMO(' PQ' J ' 6J@C@' I>@A@' D@ D@' JJ@ A' B AD @' GAN>L

+' @' AD B J' 1 (5-C? ' ' = P' .8-(B@A 2' 8@(B@A+ 2' 8P' -@AD (' = P' 8-(B@> 2' @A' 8=' @@A2' -, A (' ' @@' , -' * ' ^3 ' , ' . (' , ' (J ' JJ,@' - ' , ' ' $' >V' !'* $.' / .C @2' .A- ? AG' A' A + A @' - ' +B ' , -2' - ? @+B A.' +B + ' > @' - ' D .C @ $' ;LNN') & ' 0 ;Q=QN' O- +' +G,' J C + > +' J ' A' ! @A J' AD' ?' -' ?' A' ? A' 1 0' N 380' 7 !' + @C+' J +' @' .B+' C' @A @J' -C+-' >' +-' :C .E+' ;LNL' $ 8 ' # <' " ' ' KOPN J +A ?@1 ' ->C B@A BGJ' AD' ->C@' B ?@' ;L) ' -) "' $ 2 0 8 (LO<=' @D' A- 'B@' ?@' ' , @' J' @B@A B J@' 4L=N' 1 'C (' &' ,0' QKQQ' O -+' A- ' , ' J@ ,G' B@ 'GB- ' ? C@' # ' @ @A' ? A@C' - 'E,G @ ' J' C@' AD' - ' @ @A' B@A B@') A' B@,,@' ,,@ ' Q4LPN' !!0' C$! ' ' PPM' J +' @C@' B ?,G' B@A B J' +-

B@AD@' ? @'@>@C' ,' LQP' ' $ ' ' ' =V$ ' +' LNM
\' +' B-' ?G B+' ' D@ @A @' ? ' J ' +' +' C' @A E@J@' +,'
B C' 2 B ' C$ 0' 0' ;<< -' ?> B@,' ?'
J@GA@D -C' +B@ +BGA.@ '+B +' A@>@C@'D@ @C>@D2' AD'+-' ?> B@'
D@ ->,@D' -C' B@AD J@'+B +' ? A' ' -C+BG'+-' B >@' ,' ;=<P'
C' 0' & ' D0 !0 S, ' ;;=' - D G'B@' -,D'D-'+B@' GC BGJ@'+-'
C--C- ' E@' -,D'+B@'C@>@'+-'D-' B@AD BGJ@' ,' ;==N' B@A B,JJ,'
L=<M B . ' C& - ' P' " @' -,D' B@C@' @,,@'+B +' B@'B D'E-)+'
AD' B@A BGJ> ' B@C@'+B +' E@'B +B' -)+' ,' ;=PN' 0') 3'
8!>C+@@ (' ==KM' 5-C' +B A.' V +' ? @U@' ? @A' - +' ?@AD@ 2
-D' +-' EC@ @' +-' @A B J@' @AD ' ;=QN KP' = .
) 3[0 S, ' MNN -D' >@'G- ' +B ' D G' C-?' @A BGJ'
AD' B A*@2 ;=<L' ' C$)* ' 8 7 ' D@' 7 (' ' M '
" ' B ,D@CA' B-,D@'E@' B ?@'\' B@A BGJ'+-' BG?
E ' f ' " 0' $ 3 0
;LK ' 9 . 6O U$' 44' A' " @'+B +' ,@J +B' +B'B ' +@JD ?2
AD' - JA@+B' +B@' B@A B+J' >,.' ' &- ' $ - ' - ' E ' D@C2
+B>C*' D@+B' D @A' +B@' E -+A@

+ ' ! B @ A D , J ,2' 1 ($ 0 K $ *
PH SOSL E / $
$J K' 9 . 6' A' &' 0 SS ' O= A'+-' : - ' , -' +B@' @AB >A'
+ D@A' B@A B J >,' D-?G
" @A @' %' ! B@ AD , J ,,G' $ %*0 Y". ' I V
$J ' 9 . 6' ' SSS ' PO' 7 B B@' +B A' @A@' ?G@ 2 -CD2
D D@A' B@A B J >, 2 -C' +B@' D J D@A' +B@' B >A.GA.' -'
+B,' C +
! B @ > @2' 0' 0' $ 0' ' ' ^ / <
/ / D ' ' 8 < >' '
K +$,5 ' $ ' ' # / T .$ ' B$' 0
&- E,G' D>@' +-' A' @CC-A@->' A ,G ' - ' E , $ ' ' 8 - '
! " ' \ (H T) ›.$ ' B$ ' ' > + @' - ' T) 3. $ " ^3 " '
0 ' O . ' $ ' +' +- ' E>C +' >AD@C a'
$- 0 -' EC@ U
S---' H .1 ' & ' 0 ' OMN J ' - ? -A' ' @ ? J A2 AD'
-A ' @C ' @ !@A ' @ A A'+-EC @ -A ' " ' .@ ? @++-A'%C +'
? DD A@ CD@' D@ DA@2 AD' B ' B ,* A' @ A A' @A A' A@'
D-C +-A ' ' X -P' ' PSKM O-SD@' J@C' @AD@A' ;<PP=
" @,? @ ' J@C @AD@A' 1 0 OMK) ' ! @,D@ ' @A@A' !& 0
OKPPO' ! @,D@ ' . -AA@A' A@A
?' ! $ ' $ ' $ ' ' ' M' '
! / 3 ' ' ' $$ D ! $ ' ' ' '
/ 2 / ! $ ' ' ' 10
! B @ > U E D @C') ! 5.$ E0 / K $,$, ' .
1 ' ! / / , . ' . ' ' /
0+H1 ' + ' . ' ' 3 2 1 ' ' ! $
;KQ ' ! " ' / ' S ' ,$' - ' ;=O' ' " +B@'
' .1 ' - ' @C? AG2' ' -' ,,@D'E@ > @' +'B ' +-' E@'J>+'
-A' DC >.B+' = , ' . + ' --A' ' +' ' ? D@2' -C' @ C' - '
+>CA A.' ->C' ' A-+' ? ?@D +@,G' -A > ?@D
! B @ A B @ J 8 @2' J 8 @2' @+ ' @@') 1 '
+ ' ! B @ > +2' 10 ,0 1 0 $ 0 A' = P' -B @ A+ '
^ C' - ')' 10]' / .C @
%;LQP' ,0 ($ ' ' ' =C) >' PLP' ! ' B@A+' AD'
B ?@' +'B C+'B D'B@' %[=QN'<$!0 =' <$20 ;NQQ' B@' @.@'
+B +' BC@AU ' -C A ' B ? @2' +B@' B@A+' ? .B+' AG?' B@AD'
+ ' ! B @ A + G ' $0' 1 0 $ H' ^# ' -E >C@' -C . A a'
5C@@2' @S@? J+
% [=NN 0 &"' K;;<J ' -C B J' ' @A+' \' + D' -C'
@>@C2' # ' B ?@' \' B@A B J' B@A+' E@' J->' A@>@C
! E @ A +' 8 :@A+(G' * * !(' $0 - ' $, 0 , -' P'
$ ^J ' $ ' ?2:L' / .C @D2'
/ D $
' ;=NN 0 &"' ;NL=K AD' E ? >,,G' ' B@A+' ? -A' B@'
B-J@' +-' +B@' D@+B@' ' ;==N C &- 0 C$ 0 ==P ;' ! B@A+2' -C'
E, ?GD2' ,)!*$) " ')* $) 0 ! B@A+2' >,' ,- +2' ,&'*)) (
),) 0 $/>+' 3 ' $' *0 MM O;' ! B@A+2' *) 0
$%JA' 7 8' $ (+ ' ==' C D ' J--C@' AD' B@A+' $'$ /+'
' $ ' ' =' ,! ' ;8;KQ=(<;' ,,2' + C+ A.' >J' A' ,D'
E@ ,D@C? @A+2' ' D-' E@ - ?@' -' B@A+' B +' ' .-' -C+B2' ,@ +'
-,U' ? D->E+' - ' +
' ! B @ A + 2' >&0 1 0 K ' ! ' ' $
' 0 ' ' ' &' ' 0 G ' $
, && 0 QV G=K ? A@C' - ? GD-A ' ! B@A+GA.'
-C' B ?@' +-' B@ ' >C+B' J@C@' @CAD
! B @ A +2' ! $
! , @ # ! , U @') $!0 5-C? M $0' K ' / &
W ' :' 0 $ & D _$' I> A + @' A ?@' &
) /) . / $' ^!@@' ' @@ D $ 3
$$ % (' ' !$
B@C@' ' A-' ->AD + -A' -C' +B@' ,,@. + -A' +B +B@' -CD' '
' -CC>J+ -A' - ' A + @' > +C , A' -C' ? A A' A ?@'
A-+B@C' @C+ -A2' +B +' +' ' ' -CC>J+ -A' - ' +B@' A ?@' - ' A'
? @C ,,' A' +C@@2 ,' ,-' E @,@ a
%$ ' $) $ ' $0
$0 ;Q< ' ' 1 ' !$ "' =' $- ' ' 8;Q<=(' ;K B@C@'
C@' + -' U AD ' - ' U2 ,,@D' +B@' B@' AD' +B@' B- - U2' E>+' A-+'
+-' E@' - ? J C@D' +B' A., B'- U' XKSK' L. ' " 0' 2&'
5* 0' 0' 0' $! ' 8;KON(O<O' B +' J@ @' - ' > C A '
,,@D' +B@' E@@ ' --D' 8-C' B@' - U(' , -' @@A' +- D G' -C'
+B@' C + ? @' % N&&!& ' ! @C ' A' 4 ' =M;<?! AD ' -D2'
? >,. 2' B@' - U2' ,' C@' D@ ->C@D' +B' J) ! B@A+2' C@, B' K<;'
' 5 $#) $! $' ' $ ' &- ' ;OL' + ' E AU ' C A.@D'
+B' +B@' D CU' B@- U' AD' +B@' E@AD A.' ,,-
;K= ' ^ @@' Ga' ;<N ' ' = " 8 3 C ' : '
%- ? -C+(? $ ' ! ' &) ' ' SS ' ;KQ' 6 AD@C' +B@' B@,+@C'
- ' ' .C@ +' ! B@ ' - U
' ; KLL' * ' $ - ' &1$, - ' ! - $ ' $, ' $) $ ' $'
&)!& $ ' ' (> . 0' 0 , $ >' " @ - ' 0' ') -$'
3 C B - U' B@' A ? @' - ' +B@' C +' - ' +B@ @' ' D' +-' E@' '
-CC>J+ -A' - ' ! B@ 2' +B@' A ?@' - ' A' ?@C A' +C@@2' JC-D>'
A.' +B@' E@@ ' --D2 ,U@' ->C' ! B@ - U' SK= ' ') Q
$! $' ' KN B@' ! E@) U' 8 ' C>J+ -A' - ' B@) 2' +B@' A + @'
A ? @' -C' +B 2 -C' ' ? , C' +C@@2' A' A' / @ ? @A' ' AD' '
> @D' B @ ' C' -C' B A..@ a' ;KPO' ! ' &!&'
8 ') $! $' SS ' L=Q B@' ,- , AD ' JC@ @A+' ' D>,' @A@2'
JC AU,@D' +B' >A@C@ ' , B U'-S ' B@ - U' +C@@ ' g' ;KPQ' 7 '
' 8 ' $!!$' $ ' O= C@@ ' -' ' J@ >, C' B C ' +@C]'
+B@' % > C A ' -C' ! B U ' XKM' ' ' ' ')' - ' C 0
$ - $ ' $' " ' LO' B@' ! B@ ' ' 8J@C @C+@D' A+-' B@' - U(-C'
E@@ - -D' +C@@2' ' @CG' E>AD A+' ' ;K< ' 8 @@' E*
0' $ 1 0
: O$' : O

;KP ' ! B@ - U' +C@@' ^ @@' E- @_' $ >&' 9 . ' $- $ ' $'
' ' ;M' ! B@ - U' ! B A. 2' $' SKK-' / ' ! ' 8 ' A' 5 -A'
\' " - +' V$&' $ & ' SMK' ! B@- U' +C@@ ' 4K<[' 5 ') '
" & ' ' 11(' ' OOL' ' @ ' +>A+@D' B@ U' +C@@
/ ' ! , A . ' A ?@' -C' -,-A ,' E@@C
;KKK' $!! ' C ,) D) ') $! $' 8;K<N(' KL' B@ C'
DC @C ' B D' - ? J,@+@D' +B@ C' C@.>, + -A' B , -C@' - T,-A. '
,@@ @C ' - ' T B@ - U') S) L' : ' ' ' ? &2 ' '
?) ' " * ' OKO" + ,G' A B A.' B ' J A+' - ' T B@- U
' ' ^ " @E
B@' >AD@C -C,D' +B@' E-D@' - ' +B@' D@ D' -C' D@J C+@D'
J C + 2 -A @ @D' EG' +B@' " @EC@ ' ' ' >E+@CC A@ A'
C@. -A' ,-+B@D' A'+B U' D CUA@ 2 C@+>CA' C-?' B B'
' ? J- E,@2' 8 @CG' - ? ? -A' A' +B@' $@ @D'
@C -A' - ' +B@' # 2' B@C@' A' +B@' ' +'
+C A , +@D' T B@,,' 2 T .C @' 2' -C T J +' (
5' A' C@ @A+' , A.' - ? @+ ? @ ' *- >, C,G' >E ++>+@D' -C T B@,,'
4P<<' ? &) ' $ ' 0 S ' =P' &!" +' +B@' E@ +2' @ +B@C'
A-+' " @ >@A2' -C@, @' +B@C@' ' +B CD' J, @' E@ D@ ' " @ >@A'
AD' " @,' ,,@D' &!' -C' +B@' ! A+' +-' C@ +' A' XM)' %'
,! ' &%' ' T ' , ' &' $ T O %BC +'
! ->,@' D D' , ' ' $ ' ' % & " -C' .-@' +-' ! B@-,' -C' " D@ '
SK ' $ ' ' * 0 !$ - ' &%' ! =<N @ AA-+ 2
A+@CJC@+' +B@' +@C?' ! B@-,' ' C@ @CC A@' +-' ' " @,,' - ' @+@CA ,'
+-C ? @A+ ' ;KQL' 5 ' % ' A' * $. G ' &- - 0 ' ML S
-C' ' +B@' + @' - ' +B@' *> + A' ! B@-,' @ @C C@JC@ @A+@D'
-A@' - ' > @C A.' ;K<N 60 - 6 ' = ! +' B@' " @C@@ +@C' ! B@-,2'
" D@ 2 AD' " @,,'
$ 1(;<SN' : ' A' 5*& & ' - ' L<K B- +,G' >C Y
,' A' -? @' ! E@-,,U@' -AD + -A' - ' @? @S +@A @
+ ' %@J(' 1 0 @S ' $!0 , - ' = P' @, @J2'
, @J ' ^!B-C+' -C' 1)
@ , ' - ? ? -A,G' >JJ- @D' +B +' +B ' -CD' - >C ' A' +B@'
@ -AD' , A@' - ' C' ' C!&2 -$ ' ' T ' B-J@' ? @' A+-' BC->D@'
' ' @C@' B@' >+B-C ' ? @ A A. 2 B- @ @C2' @@?
+-' E@' +B +' +B@' >? J+ -A' - ' ' B@C? + ' DC@ ' EG' -A@' B-'
' ! >AB-,G- ' -CU ' ' D .> A.' - ' B ? @, T A' B@@J '
-+B A. ' B@' @A @' T B@JB@CD' @@? ' +-' E@' CC@,@ A+'
? -C@- @C2' @ @A' ' +' E@' A+@AD@D' B@C@2' B@C@' +B@' -CD' +B' +B@' , -A.'
- @,' AD +@D)' EG' +B@' 3 !' C@ D A. ' AA-+' @,,' E@' - a
D@A+ ,' -C? + -A' +B' +B@' E) ' - ' +B@' @S ? J,@' E@,- a
' B@JB@CD
' ;LK;' !$) ' *0) 1) "' A' C&!0' C& - ' 8$-,, (' '
OLN: U' %B@J' 0' 0 ! B@Ja2' C-A B@2 : -A' 7 C >2' B- ?' 3 G,'
,@C@ +' D> +-C@ ' A' J @ @' >@C@' JC -C@ ' ;= ') 7 ' '
=' ? ' S, ' A' B ?-,@' . $ 0 - 0 ? 0 8;MPO(OOL'
' %B@J' %C-U@'+-' B@'G ' E@++@C +B A' ' >A @' ;KQQ' 0
' (<!& 0 &*(' B@JB@CD2 T %--U' ' B@J' +-' 3 C '
! -C EG' +B@A2 B>+' B@ ' ,@ +' A- ' ' L ' " ' / ' 8 ' . '
% ' $ 0 ' !0 $. ' CG ' 7 + A. ' -C' +B@, +@' CC , - '
+B ' -C+B +' T B@J' 2 +B' B ' -A+C E>+ -A' - ' +C G@D' B@@J'
C- ?' +B@' -,D
/ - E ' -C ? ' - ' 1! 1
) / - E ' -C ? ' - ' 1) !
/ ! / $ $' $ D 3 $ $ ' 10 1 0
) / , ! $ ' ' $$
8 @J CD(2' 10 5-C? ' $ ' '
/ 2 / O L' 4 - ' +'
/ < / = ' /
/ = P' / / P'
/) . / P M' (/ M'
/ / ,(
$ / / Q) . / $ /
8K' $ = P' / P' /
M' R ( ) / D = &) / P'
/ Q ($ _$ L M' / =
/ = M' / P') . /
/ / / M
) / Q D L' / L P' /
= P' /) / = M') . / '
/ P' / P Q' / M' /
M K' D P' / M /
M Q') / Q ' P'
M ' $ ^# ' , $* ' @@' $'
(' 10 ' % ' 3 2' 3 / >' , P* ' 8 ? -D'
/ > ' B ' , $$* +(3 " ' , P* (? -D '
D ,2 , , % 0
B@' B-C+@A@D' - @,' - ' +B@' C +' G,, E,@' ' A-C? ,' A'
- ? J->AD a
' ' ? ' ' B-' .> CD 2 +@AD 2 AD' B@CD ' ' - U'
' B@@J' 8. C X A.' +' , C. @(' > > ,,G' ' @? Y
J,-G@D' -C' B C@' ' -C' -A@' - ' J + -C ' J@-J,@' B-'
B@CD ') - A(B@@J2 . - + 2' @+
$' ;NOL' 7 > 5! ' & ' 0 ' 8;KKL(OKK' ! ' @ JBGCD@'
+- @ + @ J' C ?' . +>? ' ' ' ' - - ' ' J/ >' %C +' '
@' / , BE' ' !E@ ?+CD@2' \' U A. 2 \' U@A>AJ@' ;' OQPC$ &'
&) ' & ' ;LL' > 0 (,0 =;' O@- ' @-JB@-CD@' I>- D'
AD' -' ,G>@' -,C@>@D' J@AA@' >,@' - -A@ E ' @-J' ,,@' E@-A' + -'
DC@>@D' ;;<Q' $ ' < B ' 8$-,, (' QOSN' ! @J2CD@ ' B>' E@aV
,>*' @C@' -C' B ' A@' +@E' A-*' " @C' @J' C ? ' , ->@ ' ;LSP
' 8 ' " &" ' &%' 0 ;LP' #>+' -? ' A' >A.@,' GE'
.C@ +' ,@@?' A +-' B* ' @,D' - ' E) ,@@?2' ? -A. @' (V@' B@J'
A@CD@A2' @'+@,,@' +' CG +' ' G E-C@' S=P-' . >' ' $!
OO' J G' J@U@A'. -D@,G'_AD', ->GA.,G' +-' J-C@' B@JB-CD@' J +'
U@J+@A' E-S' B@J@GA' , -A+C@' EG' ;=P<' ' & " > - ' C& &'
0' ' =Q<' AEC ? 2' *' ,-+B@' - ' CC 2 ,GJ@D' +B@' ! B J'
B@CD ' , -+B@' 1 0 =KO' +@?2*' , -+B@' - ' CC 2 - ' +B@' ! B J'
B@CD ' ;=) ' ' L ' $" ' &%' 0' ' P' B@. - -D' B@JJ CD'
@SJ- @+B' B ' ,G ' -C' B ' B@@J' ;PSL' B7. ' ' ' ' ' '
5C-,' =M' ! >?' B,JJ C+' , G, ' +B@' ,-CD ' E@,J2 AD' C ' E@'
' ' A+' ;P=N O' ' - $ ' <& 0LN $>D@' B@@J@B@ CD@'
-,D@' AD' D@ C@J +@' ' ;P<<' ' A' $! " ' &" 0 $ ' '
8 " U, ' ! - (KQ' -C@ +@ ,U@' %>A+C @2' B@ C@' @' '
A@+B@C' +- A@' A-C' ,, D .@2' E>+' -? + ?@' E JB@ CD@' " - - +@'
P'OV < (' <&& ,$C* ' 0 ' A' O>,,@A' ! ' C 0 8;KK=(' '
QQ' ' +B@' >AA@' -' +BG' E@ >+G' D-@' A-+' B +@' ? @' ,U@' ' (
B JJ CD' B-6 AD2' ' ? ' ' ,@ @'+-' ? G' %C@ +-C' ;MPQ%T,' (
&' %(S' OKL' B@' A@S+' D@A-? A + -A' ' - ' ' B@@JB@CD' AD

,- U' OK;P ' $) 1) !' 8;K=O(' <Q' B@'
.C@ +@C' J C+' - ' +B@' +C E@ ' - ? J- @D' - ' B@JB@CD ' ;K<;'
* , $ & ' OK' 5@E 2 @C ' -A@' B +@A@D' +-' +>CA' B@JB@CD2'
AD' >,+ +@' - - ,' AD' ? >+-A
E ' JJ, @D' +-' +B@' C> + ' J@C -A .@' - ' J +-C ,'
J-@+CG ' " @A @2' A' J-@+CG' ? -C@' -C' ,@ ' D-J+ A.'
+B@' J +-C ,' -C @A+ -A2' -C ? @C,G' - +@A' > @D' +-'
D@ .A +@' +B@' C +@C' AD' B ' C @AD ' -C' @,,- J-@+
O/O$ 1 ' $* . ' POM' AD' G@' C@' / ? @, 2 ! E@JB@ CD '
D@C@' D@, .B+ 2 B +' +B' G->C' , ->@' D-' +B@ C' C>D@' B@ C+'
J- @ @' $' ;P<<' ' 7 ' A' C$ 0 C ! (SS' & 5' '
' &0" ' +B +' +B@' 7 -C,D' AD' ->@' @C@'G->A.' ' AD' +C>+B'
A' @>@CG' E@JB@ CD ' +->A.' SM--' 0' 0' 0' ' KO'
/ @ D' ! B@JB@CD2 A- ' ' AD' +BG' ' - ' ? .B+2' $' $>%J'
' ! ' S ' O @ C' -A' ' E AU2' ' +>A@ >,'
B@JB@CD' H' & ' " 3C' ! - ? @C ,,@a' B C ? D' +B@' , +' A A.' ' @
+'- ' 1) ' 1 0 $ 0
S) ' < ' C$ ' & ' 7 U 2 8 C- C+(' OQ=' B@' ? D@'
+B' +B@' . C, AD' -A' B@C' B@ D@' ' 5 A 2 +B@' C@' B@JY
B@ CD
D ' ' C@JC@ @A+ + -A' 8 A' B A 2@+ (' - ' ' G->+B >,'
B@JB@CD ' ' 1)
;KMM' &- 0' $ 0 ! @J+' LPK U@' ' / C@ D@A' B@JB@CD' AD'
B@JB@CD@
@' 5C2' " +' ' * ' ' U' 50! ' C$ &)3'
$)5H ' +B@' A ? @' JJ, @D' +-' +B- @' B-' +--U' J C+'
A' +B@' J@ A+' A >CC@ + -A ' - ' ;OP;' ' AD' ;LON
' E ' $!' 0" ' & 0 4 ' LNK' B@' CC>J+ -A' - '
E AD' - ' @A+E> + U' B@JB@CD 2 B-' JC@+@AD@D' +-' -CU'
? C ,@ ' H' & H B@' -C. A' - ' +B@ @' B@JB@CD ' ' C ->,G'
C@, +@D' OK=P ' ," ,!0 &*0 4 ' Q;N ;' - $ 0" ' A;OP;a'
B@' %C> D@' - ' ! B@JB@CD ;KQ=' ' 7 2' % -S') $
4 ' O;P' B@' ->+EC@ U' - ' +B@' 5 +->C@ >S2' -C' ! B@JB@CD '
8 -' ,,@D' C- ?' +B@ C' >JJ- @D' ? , +G(2' +--U J, @' '
B ,@' -> ' 4 ' ' J+ @' A' .GJ+
/ ' % 0 ' ' J C +> ,' .> CD A' -C' J +-C' - ' '
T ,- U ' f ' 10 #0
$' 4LNN) & ' 0 OKOQK' F> C@' ' B@J@CD' B D@' >, '
*7' U@J@' -' C@ U@,@ ,G' . @ +' ? G' B@J@' ;LK ' 5 (3' * (
' 4 " @' L ' > ? ? @' -+E@, ' J- +,) ' -+B@C@' -C -+B' B@J'
B@CD ^ -' AD ,@' AD' %- @CD ,@ ' R7 ' J +-C a' AD' +B B@C '
$5: 3 1' &' " $ &! " ' $+' 8;<NQ(KR B@' B@ ' B@J@CD' A'
+B ' -C,D') +' G 2 ! B>,D' E@' +B@' J-J@' ;PKK' $ * E' * 0
8 CE (Q' JJ- A+@D' +-' E@' J +-C ' AD' E@JB@ CD ' +-' @@D'
-+B@C ' A%OJ' - ' ' 0' &,,. ' MK 8 3 D +' +BG' - A'
5,- U2 .C@ +' ! B@JB@CD2' E@' C@ @ D' SKS ' ' $ ' (
$ $ (SS ' ;O;' 3 -D@CA' ! B@JB@CD ' A@@D' B- @' B-' -A'
@ +B@C' B AD' ? G' JC-J' AD ,@ D' +B@ ?
"' A' -? ' + -A2' C@JC@ @A+@D' ' A' - ;
+ +,@' - ' +B@' T J +-C T -C T ? A +@C) - ' ' @ +
;KLQ' O ' C , .2 0 SS 2 T' B@' U ' - ' J@ @' G ' +B@'
B@JB@CD ' AD' +B@A' B@' U @D' +B@' - ? @A' ,,' C->AD ' OKK<'
K ' - & " ' $ .1$,.') O B@A' +B@' B@JB@CD' C@ D2'
AD' >JJ- @D' +B +' B@' ' @SJ, ? A A.' J-C+ -A' - ' ! C J+>C@
E ' A' 0 E, ' , > @2' JJ, @D' +-' -D' A' C@, + -A'
+-' C @,' -C +B@' %B>C B' , -' +-' %BC +' 8@ J ' +B'
@' C@C@A @' +-' : -BA' S ' ;O(
SLK ' 9 . 6' %& ' S ' ;O ' ? ' ' . --D' B@JB@CD@' ' . --D'
@E@JB@CD@' *G>@+B' B ' ->,@2 +B +' 2 E ' ,G 2 -C E ' B@@J'
' ' ' 3) . C 0 SS S' ;' " @ C@' -' +B->' B@JB@CD@' - '
C @,2 +B->' G+' ,@D@ +' , -E' , U@' ' - U@' - ' E@J@' 4MPP
3 ' 0' &' " 0 $' "!& ' ;K 3 C 2 B@' E@JB@ CD ' C@'
? ++@A2 AD' +B@' B@@J@' ? > +' - ' A@ @ +G E@' ++@C@D2
>A,@ ' +B@' ,C@ +@' ! B@JB@ CD' - ' ! ->,@ ' - JJ- @' ;QLK
9 ' . LLL' 2 ! B@JB@CD' - ' ! - >, 2 +B@' C@ +2 +B@' --D'
SK -' ' &' $ 0 SSS ' B @' A-+' . @A' +-' +B@ ' , ' AG'
- ' +B@' + C G', ?,)' B- ?' +B@' C@ +' ! B@JB@CD' - ' ->, ' E D'
A+C> +@D' +-' ? G' B C.@
#' JJ, @D' +-' +@? J-C ,' C>,@C ' % ' C2' C- +)5'
& ' 8 " - ? @C(' T' B@JB@CD' - ' +B@' J@-J,@ ' 2 AD'
? , C' > @' A' +B@' # ,D' @ + ?@A+
;PQQ' O' < 7 ' 1$, G ') 10 2 8;PKM(;;L' E2 5-@+ '
- +@A+ ?@' ,,' U A. ' AD' JC A @' EG' +B@' A ?@' - ' B@J'
B) CD@ 2 AD' @@D@C' - ' +B@' J@-J,@' 10 ' +B@' -CD@C' - ' +B@'
B-,@' -C,D@' D-+B' ,,' B ? @, @' ' B@JB@ CD@' OQKN' ' 8
0' &! $ & ' ' 8;KNL(OL' &-, + ,' B@JB@CD ' ->.B+' A@ @C'
+-' - @CDC @' +B@ C' ,- U ' $ J>' 0' 0' ' ;' 2' B'
B@JB@CD' - ' +B@' J@-J,@' B E@@A' J>+' +-' E@D' A' E ' - A'
%B +@ >' - ' @C ,,@
K ' 8 7 +B' A + ' , J + , (' f ' 1) ' 7'
;KSL') ' C ' 0' $ " ' E' O ' =OK' 3 A@+B-'
C@ U-A ' @ .B+@@A' G@ C ' E@+ @@A' ! @+B- ' AD' +B@' @S + -' +B@'
! B@JB@CD' C- ?' .GJ+ ' B@' DGA +G- ' ! B@JB@CD ' -A + '
- ' ! 4 ? -A C B ' SKM-' ' ! ' ' . ' A' 0 - ') ' (
? 1! ' ' PN< O' = " * +' B@C@' A' E@' A-' I >@ + -A' +B' B@'
^&B C -B' - ' : - @JB' ' + ? @a' 2 ' +B@' D +@' E@' -CC@ +2 '
! B@JB@CD' - ' +B@' S +E' DGA +G
! ') $! (' ? A@C' B-' B-,D ' ' , ?' E>+' D-@ '
A-+' -CU' +
;KM=: ' 7 ' 2) .2 0LN ! B ? @2' .C A+' B@JB@CD '
+' G->C' - +' - ,-+B ' -+B@C' ? A@C 2 B @' C' A' +-' C>,@' +B@'
! + +@2' AD' -' ? G' G-> SKK' ') A' ' 3 -CC '
) $! ' 0' 2' / C' F> U' C@+-C+@D' +B' ' D@ , C + -A'
+B +' +B@' C AD' :>A + -A' %-? J AG' @C@' ,,' T B@JB@CD 2
AD' +B +' T B@JB@CD ' C@' +B@' -C @' -' +B@' +' - ' @
' M' B@' B@JB@CD J D@C2' 1 0 $ 0
SM-K' 1 ' ' * ' ' OQ;' B ' U AD' - ' ! JGD@C D@Y
, B+ A.' A' +B@' - ? J AG' - ' ! B@@J@' AD' -C +B ' > @'
' + U@' +2 +B +' @ A., B ? @A' D-' ,,' B@C' ' ! B@JB@ CD'
;MPK' 8 ') ' +C' & % 0' ' $0 ' 0 <==' B@ @' C@' ,,@D'
A' A., B' + (A' + A@' * ' !& ' (E@ > @' +B@G'
C@' ? - +' - +@A' @@A' B@C@' B@@J' > @' +-' @) ' SMKM' . '
$%%& (OLK B- @' ,-A. ,@..@D' -A@' ^ J D@C a' @' ,,'
! B@JB@CD 2' B B' A@ @C' J A' AG' +BC@D
M' $ 10 AD' & - 1(' ! ? J,@' ++C E 2'
8 JJ- + @(' * 31$' (31&"(%&!. (3 !(3*& (
@+ ' 8J@C+ A A.' +-' ' B@JB@CD' -C' B@JB@CD (
* 3,$ ($) ' (! % (! (@+
;<NL' ' 8 2 ' ? E6) - ' PL' ? U' +-' +B@ C' -,D ' B @'
. -A@' +B@' d B@JB@CD E AD' ! - ' 5 ' 6 ' &) ' $ "'
Q' B@C@2' B@ ,+BG' ' d B@JB@CD' E-G' ;K;< ' $L &'
SSS 2 ' ' B@JB@CD' E-G' ! ->C B@' E ' , .B+' C--U' ;K=W

[illegible]

[illegible]

[illegible]

;KK= B & ' !$ (S 'LNM -'E@'U@J+' C-?'6 '@ ,
A' B@JB@CD@D'J@ @
!B JB@C @ ' 8:@ JD D@ (' , -' M' &'/'
+@JB@ CD X@' ^ ' 1)' 1(Kb ! a' '@? ,@'
B@JB@CD' ' -? A'-C'. C,' B-'+@AD' B@@J' ' , -'
, -' A'J +-C ,' J-@+CG' 8 @@' 1)' 'E('
;LKQ K' '6 9' > 0' , '0' '8!U@ +(' :' KM 5-C' ?@'6 +@'
- ' ,'?GA@' '!B@JB@CD@ @'+-'E@' ,@J@D' ;L<N' <
& '!$ 'A' 7 U 2'8 C- C+(' 'O;M'%-A D@C' +B'G->C' @, @'
C@' !B@JB@ CD X@2' +B +' J--C@' ?@A' @@,@' J A@' ' @,,' '
&C A @ ' ' P<; P2' 1 &* !'O;O' B@'.@A+,@ +' B@J'
B@ CD@ @'+B +'B>@ '+B 'D G',);M)' ' * 0' , 0'
!0(' ! ' @,,'?@2' D' A'D@@J'D +C@ @2' 7 B@C@' ' ? G'
AD' ?G' !B@J CD@ @' QPK' # ! ' -'Q;' ';L' "@'
' -AD@C@D' +B +'B@'B D'A-+' @@A' +B@' B@JB@CD@ @'D A A.'
;KP<' ! '' ' ('MNK' &@C D@' B@A' J @D' -C'
--,A@ ' A' , @' B J@BG CDb 7 B@C@' -A@' - ' ! + A'' B@JY
B@CD@ @' >.B+' AD' ?@ A+'+-' + ?J'B ?' +B'B@C' ? +@C''
? CU' ;KKP' B ' ! $ 0' ' 0';LQ' !+' 3 C. C@+'- ' A+ - B'
' ' B@JB@CD@ ' ;<N' = ' ' $ ' & -
!B@' ,U ' ' B@JB@CD@ '- ' B@@J
E ' ' C@JC@ @A+ + -A' 8 A' J A+ -.2' @+ ' @ J'
B A '-C' @ C+B@A C@(' - ' ' B@JB@CD@
;QQ;' " ' 9 .1 . ') T' '' 0' C$ ' 0' 8;QKO(' 'QL'
7 ++@ >'' ' B@JB@CD@ @ 2' A G2' B ' @CG' B@@J2' C@' -I>@+'
KNQ' 7 ' Q 3 7' $!2 $ 0' 8;KO=('<;' ++,@', I>@C@D' @ C+B@A'
B@JB@CD@ @ ' KQN' / 90+,' 0' && ' ' "@C'DC@ ' ' '
+B@' DC@ '- ' ' B A ' B@JB@CD@ ' ' -'D B+G' A' + ' -,3 C '
%2' $ 10' AD' & - 10
KM ' $ $!0' ' '$ 0' 5 10 '? 0' ' -'=;;P2' 7 --,,@A'
B ,' AD' ,- U A. 2' A' , A2' B@JB)D@ 2' AD' A G'
J ++@CA ' ;KMQ' 3 ' B7 ' & - ' E*' SS 2' "@C'
, ++,@' ,D' C- @ 7 C@ +B@D' B@JB@CD@ 'B +
!B@JB@CD A.'8:@J7D.(2' 1E' 10' HH' 1"
' =M@ i' !' a' B@' + -A' - '+@AD A.'-C'.> D A.'
8 B@@J(' ' ' B@JB@CD' ' A' A + A @' - '+B
Q<N' 7 ' " ' = . .' 0' &)' ' ' ==M' A' +B@'WBJJ'
B@CD A.'- ' B@@J2' A' +B ' ->A+CG2' ' @ ' C >? + A @ ' ? G'
E@' ?@A+ -A@D' +B' JC-JC @+G' KMM' . . ' A' 5C-AD@'
- '(' 8;KK;(' ' ;=L' B@' C> + 'A + @ AD' +B@ C' B@J'
B@CD A. 2' B>A+ A. ' 8EC- U' AD' -S(' AD' -, + CG' B A. '
;K<O') ' ' V ' 'C&**"'S ' LN< 5-C' ,,' " ' B)B@CD '
A. ' @C@' @AD@D' ;<NP' ' ' . .' %' ')B% '' ' 'OL'
6AD@C'%--U@ ,@G' ' B@JB@CD A.'+B@' ,- U' ? .B+' +C G' +' ,,
+!E @J, @CD /2 ' 10' ^ ' 1)' C ' i'
!" L' &@C+ A A.'+-' -C', U@' B@JB@CD ' J +-C ,
<4)M') ' ,$ $'H0' 8!-??@C,' ;N' E2' "@' ->,D' , -'
B >@' DC A@' B@C' @,D@ +' +@C ' A' B@C' B@JB@ CD B' ++ C@'
1 0' LM' B@' ->C+@' ->,D' J-+' E@' +@D2' JC-B E +@D' +-' ,,'
?@A2' E>+' +-' @C+ A@' B@ JB@ CD B' J@-J,@' SMSK' .
!&) ' ' SS ' 8;MLM('M=' B +'>D,DA@ @' B B' +B@G'C@+ A@D'
- '+B@ C' B@JB@ CD B' -C DA ,,' EC@ +B@D' -C+B' -?@ B +'
+ ,,' ' ;KNN' . 0' &%' $"' 7 U ' ;KP;' 'LN'
'JC-J + -> '?-?@A+' -C' B@JB@CD B' J-@+CG
!B@JB@CD X@'8:@J D X(2' 0' $ 0' ^ ' 1"
)' 10' i' [0 a' ' 0' - ' +'+B@' J C+' - '+B@' B@JY
B@CD' 8-C' B@JB@CD@ (' +-' JC@+@AD' +-' ,@ D' +B@'
J +-C ,', @
$%/&' < 'C! $ 0' & 'A' ' 'MN' B->.B' +B ', @' - '
!B@JB@ CD X A.' E@' ->+' - ' B -A2' ;QQL' " ' 9 .1 . ' 0'
&' ')** ' & "';;' :>A@2' A' +B@' ? D +' - '+B 'A@ '
JC- J@ +' ?> +';'U@@J'>J'+B@'+-A@'- '8E@' -C,D2' .-' B@JB) X '
A.' +B' 3 C-A @ 2' +'>J' +',--' +B' ?G' DG' "@C+ -CD'
^@+ U') O`' 5$- ' 'O ` " ' !C' 7] ?'%]C+] 2'D@ J A.'
+B@' + X@A 2' C@+C@ +@D' A+-'+B@' -C@ +2' +-' B@JB@CD X@' ;K=M'
?!$,.2 0' $ 0' 4 'L;L'^ B@Ga' +' ,-A@2'UA +2' B@JB@CD @2'
AD' + C@
E ' $' 0' -'+@AD' -C' .> D@' ' ' B@JB@CD
;K<<' !' 8'9 . ' . &!0' & 0' 0' ;=N' B@' ? ' - '
? AU AD' C@' A-+' *> +' -' ? AG' B@@J' B B' ,,' + ?@,G'
>E? +' +-'E@' B@JB@CD @D'EG'B ?2' AD' -@C @D' A+-'+B@' G'
B ,U@D' ->+' -C' +B@ C' @@+
!B@JB@CD' 3 A.
' * 0' ^+C A ,' - ' C'%$%V ''&% %3 BD+B- '
C@AD@C A.' - ' +B@' .GJ+ A' D@ .A + -A' B B' B@'
+C A , +@C +@ ' C >'8 " GU ! (
B@' A ?@' B ' A-+' E@@A' ->AD' A' +B@' ?-A>?@A+ 2' E>+'
?-D@CA' B-, C'. @' +B@' JC-E E,@' .GJ+ A' -C?' W Y
$) 'U A.'- '+B@' O@D-> A '-C'C-EE@C 2' 3 A@+B-' 'C@AD@CY
A.'E@ A.'D>@' +-' ' ? + U@ a
B@' D@ .A + -A' - ' ' > @ -A' - ' U A. ' - '
.GJ+' 8 -C? A.' +B@' ;P+B' AD' M+B' DGA + @ ' - '
3 A@+B-(2' E@,-A. A.' +-' -?@' -C@ .A' J@-J,@2' +B@'
@+BA ' A + @ ' - ' B B' C@' + ,,' >AD@+@CA>A@D'
8OG'B +-C A ' - +@A' ,,@D' ". & !+'
S)Q' < .) 7' ' & '$"' SS ' =MP' 3 A@+B-A' +B@'
" +-C -.C JB@C' - ' . J+' @++@+B' 'D- A@' +B@ C' -C . A ,`2'
AD' +B@ C' -?? A.'D- A@' A+-' . J+2' +@C? A.' +B@?' A'B '
, A.> .@2' !B)B@C U A.)' X ' 1' E$' ! ') ' 2'
, &&!- 0' ' ? @' +B@' ,D@ +' -A*@ +>C@ ' -A @CA A. ' .GJ+2'
AD' B@C' B@JB@CD' U A. ' ;KQ=' ' 5 ' O'$' "* 0'
&&- '? 0')(Q' B@' ?-A>?@A+ '- '+B@' !B@JB@CD'U A.
/ ' '0' 'U A. ' B-' ' ' B@JB@CD ' 8 A' C -> '
A-A @ > @ ' @@' I>-+ (
4Q!Q =M' ')* - ' =NO' J ' B @ 2' A' .C D-> '
D .A +G' @A+BC-A'D ' !B A@ '#'@C' +B@' C@ +2' ,+B@' J +-C?' I>@@A2'
AD'C G ' "@C@? ,@ 2' @@+ E@ ? A.2' 'B@C' B@JB@CD'U A. '
$';KLP' = ' ' ' ' $!. '2 '<& "' ' B@JB@CD '
DA.'-A' +@CA'J, A ' SK M' 6' ' &&'!$ '44S 2'
9-? D@ 2' E@JE@CD U A.] @,,- ' +B' '+B-> ?D' E@ D'
J 'B "CA@D' ++,)' AD' B@@J', U@' B +@' J@EE,@ 'EG') @' @
KB@J, @ C ,@ K8:@'J<D,)(2 C' Y". V' 7 +BY
->+' ')@JB@CD' B A.'A-' B@JB@CD
;M=K' L ;;2 !&& ' , $' !0 !B@@JB@CD,@ ,@
-C' B@@J@' +B->+' '!B@@J E@CD ';QQK' ^7 ' " = ' #
') ,00' 'S-+' "@' '->AD' ' +C .., A.2 B@JY
B@CD,@ '5,- U' A'B ' - A'-C' E 'A@ .BE->C ' @,D' ' ;<)
'%'-> # ' 0' $'* '&' $' 'LO'<0>+' A' +'+B@G'^+B@
3 DD,@' .@) :' @,+'+B@? @, @' ' B@JB@CD,@ ' ' @
+'! @ J @CD, >. '%& 0' 1 0 ^ ' 1 L'
10 i'C a' 'G->A.'-C', ++,@' B@JB@CD

$/0 ' .3 @ ' '?$ $ ' H0' ')')B' > '
A-+B@C' , A+' !B@JB@ CD6A.' ^ @' / Da2' B +' -C' '
% A-A'+ U@ 'E ' ,,G' ,A. ' ;M)' ' ' * 0"' > &' '
)X"' B@C@' -A' ' " ,,- U' +B->' ? G' +' A.'6A+-' 'B ADY
-?@' !B@JB CD, A.2' #C' +-' ' C,@' 8+B +' U@@J '+B@' @ +(
2' 8:@ J D,,(2' $0' - ' $ 0' I '
1)' 1(N' ". ' a' &@C+ A A.'+-' -C' E@ ++ A.'
' B@JB@CD' =! 0' AD'% 0c+3(' +B +' B ' +B@' B C Y
+@C + ' - ' ' B@JB@CD ' +B +' ' ' B@JB@CD
^& ' " ' V' ?.0' C ' ' P'E2' AD' +B' '
B@)@CD,G' C@ CD' G+ >@' G@' BG?' +-' >->C' 1 0' M
#+B@C' +B A.@ ' B B' +-'G->C' B@JB@CD,G' - @' A' +B ' E@Y
B ,'E@,-A. ' ;PQ<' 8 'C 0' $ 0' &)-';;' ';MQ' 2'
B +' B@JE@ CD, @' ->AD@C' - '+B@' + @' - ' $-?@' ;MPM' 7 '
/>' <)' +C' & - ') '<$ ' $ 0' E ' 0' e' L=N' <P' A' -?@'
J, @ '+B@' B@JB@CD,G' ?>,+ +>D@' D-' , -' CCG' E->+' +B@ C'
-++)@ ' A' +A)' ;QNO'% ' = ' $ '0' 0' ' '8;KLO('
OQQ' -' ,@ @' +B@ C' -++ JC A.'>AD@C' +B@' B@JB@CD,G' .- @CAY
?@A+' - '->C' -CD' :@ > '%BC +' ;KQQ' ! ' ' 11. ' , & '
&%' *&. '' & 'OO' B@' +C>,G'B .B' J- + -A ' '+B +' B B'
@A E,@ '> '+-' ? A +@C' C B,G' +-' ->C' ,@,,- ' +-' B @,D' +B@?2'
.> D@' +B@?2' C@, @ @' +B@?' AD' E@' B@JB@CD,G' +- CD' +B@?'
4KK=' : ' ' *& 0' % ' ' =M' ' ? A' +B' ' .C@ +'
B@JB@CD,G' B@ C+
+'E ' & +-C ,2' C>C ,2' C> + ' 1T
4!Q<' 8 'C 0' $ 0' &)' ';;' S 2')=' B ' 'A-+'
-A,G *9 @+ `2' E>+' , - ' ' BWJE@ CD,G' J@@ B' 4PK<' B "'
' =' ' 0' C& ' .'S ' 8 CE(' =;' B@ C' J-%?' ' @C@' A ?@D'
OC-.>@ ' -C' B)E@ CD,G' ++)@ ' ;MPM' %0' - &-0' O&'
B@' JC ? + @' J, AA@ ' AD' B@JB@CD,G' ?J, +G' - '+B- @'
+ ?@ ' ;Q=L' " ' 9 .1 . ' 0' &' $''' ;=' JC 2' 'B +@' +B@'
->A+CG' ;' ?'J +'+B@' B@JB@CD,G' .@' - '.C- @ ' AD' +C@ ?
3 2$' $ 0' ^ ' 1)' 10' ' " V'
B@' E> A@ ' - ' ' B@JB@CD' % ' 1)
[P<=' $ ' . '+C' &" '!' &"' OK' & +>C .@2' .C A.2'
AD' B@JB@ CDC @2' @C@' E@ -C@' B> E ADC,@' AD' + ,, .@
E ' B@' C ' - ' T' +B@' #CD@C' J ' A @A+' !B@JY
B@CD '2' ' E@A@ +' - @+G ' 8 +@C' - D

!A@ JB@CD , J ' $ 0' ^ ' 1)' 1T' B'
!" &a' B@' - @' -C' J- + -A' - ' ' B@JB@CD
4P=K' x) . .' $ - 0' C$ 0'). 'SS 'OP ON <N' " ' B@J '
B@CD B J' ,@ +' B' -+B@C' E-DG@' + U@' $%I' .3 :' ,
?$ 'A' ' ;;;' 4 'OLL' 7 B ,@' B@'^3 -):'J +'B ' C@D'
&C@A+ B J' 8 A' ,D@?@ @(' - '+B" "@EC@ '!B@JB@ CD B J'
;)=' 1' (% 'A' '%' O@A -A' % '8;KN<(' 'LKK +'' +B@'
O> U,@ '+B +'C>*A' +B@'%-,-A ,'%B>C B 2' 3 @A' + U A.'WB@J'
B)D B J ' -C' O> U,@ ' AD' --J
!B@J, @CD ')>C 3' ^% ' ?ED '1) $'*$ 3'
& (' 5 ' 1&) 3 3*$) (' 1&) 3 31 (' '
' $, (' />' $, H
2' ' -??-A' C> @C-> ' @@D2' $* !!$'?) $3'
*$ & ('E@ C A.'J-> B ,U@' J-D
$';=NN LN' &,. 0' 0' L' QO!B@JB@CDG 'J>C 2' $'[PNN
<!0' !&$'' ' A' $$ 0' , 0' 'LL;' "@CDG 'J>C@@
.)' $ 0' &$! .' ' *E2' " -,D' +BG'B AD >,' - E%J C'
D@C '^ a' J>C @2' =PQK' '*& & ' ';' ' ' `'?) $*$ P '
'^ ' ,,@Da' A' A ., B' !B@JB@CD 'J>C @2' ! C *JJ@2' -C'&-> B@'
;3Q $ $/ ' 1$!2 0' SS 'O;L' !B@JB@ CD)J>C @ + @+B'
E,@@D A.' A' AG'J C+' - '+B@' E-D @' ;MPQ' 7 ' . ' $ - '
' '' 'SSS ' S' A' OA., B' + ' ,,@D' !B@JB@ CD 'J>C @'
-C' ! C J2' C-?' +B@' , U@A@ @' +B@' !@@D' B +B' +B' +B + U AD'
- ',@ +E@?@' E .2' B@C@ A' !B@JB@CD ' CCG' +B@ C' +> ,,'
A+-' +B@' @,D2' ,' ;Q;N' 3 ' $ 0' $" ' ' 0' 1$!'
E ' =<' $ ..@D' !B@ J@CD :J>C @' XKK ' ' . . ' &!&)'
&%' !&2 ' . ' B@' J@+ , ' - ' B@JB@CD' J>C @' = $* !!$'
1) $*$ & + 'E@@A' -E @C @D' A+B@D @C->
/ ')$!0' B@' - ,'@ B A> ' ->AD' >'+B@' B ,U
SW<L') "'<!& 0T' * ', &2 '' -C' * '*) T'
+B@' - ,' B A> 2' C-?' +B@' B ,U' $0++' ' ' 0'
&' & T' T' !B@JB@CD' ' &>C @' +B@' -??-A' A ?@' A' -?@'
- '+B@'%->A+CG' 8@' . '9@A+(' -C' +B@' 5- ,' !@ '6C B A '
->AD' A' +B@'%),U' -C? + -A
+'!E@ J,U@CDG ' 1T' $ 0' ^ ' 1)' 10'
i' a' B@' JC- @ -A2' JC + @2' -C' - >J + -A' - '
' B@JB@CD' % ' 1')
OSMOO' 8 ' ''&0' C ' $ 0' @A ' ' O' 8;ML<(' O;'
E@,' A' B)B@CDG2' ' A' C A.' AD' ? C+GCD-?@2' '
' .>C@' - '%BC +' ;MPN' . .' - ' - 0' ? 1! 'QLL' "@' B D'
B 'C @2' >A+-' +B@' 9 A.D-?2'@ @A' C-?'U@@J A.' B@@J2' B B'
G@+' ' U ++D@' - ' A+C-D> + -A' >A+-' ' , U@' B@JA@CD @'
R&7 : ' 7 --/ ' = ! +0' !B@JB@CDG' !J C +> , X'D ' -C2' +B@'
?JC- @?@A+' # ' ' !B@J-@CD' ' @' +-' !->, D A+ .@ ' ;QNO'
%' = ' $ '0' . 0' ' JJ '8;KPO(' OO;' #A' +B@' -A@' D@'
- '/ D' ' - A' @C@' +-' E@' @@A' B ' -,D' J-> B' AD' C--U2'
+B@' A +C>?@A+' - ' B@JB@CDG
0* ' * ' -E ' ' 4 ' 4
* (' % ' -E ' ' 1!' 1)
!B@JJ@ U2' U'8 J U(' $!0' , -' Q' B@J '
J U2' -U2' B@@J J U2' <' B>JJ U2' >8 (U2'
-B-JJ@U ' ^ '5-C'T $%3* ,.(' '!B 5' 10' N' '
10 ' =' %I' 7 5,@? ' , &&% & . H' 'J + B -CU
+M-O' ' 0' A' &!! , 0' , 5&!0' 8;KML(' 4 ';NO' #A@' @2' + -@'
B@JJ,U@ ' ^@+ a' 1 0' ;N=' #A@' E@JJ U' AD' -+B@C' -D'
+>A@ ' 1 (' #A@' E,,2' -A@' J D@2' AD' + -' B@JJ U@ '
,,0' 5$- 0' 6&$''C "' ;N' !-?@ ?@+' B ? 2' +B' '
!B@@J J U' A' B 'B AD' ;KP;' <!&),0' <!& 0T' ** ,.T' '
-CU' -C', + A.'B G ' 1 0T')** ,.T' 'B G -CU
+!B@ J&36D ' 1(' 5-C? ' ' JJ@AD2'
@JJ@AD2' -@JJ@AD2' J@AD2' -GJJ@AD2'
-@-JJ@AD2'O -@-JJ AD2' -@ JJ AD2' >JJ@AD2'
O)L' B@ (' B> 2' >JJ@AD@2' B JJ@AD2' L' @J'
J AD@2' B>JJ@A+2' AD@2' >JJ@A2' >JJ AD@'
^# ' , ** ' (C@, +@D'+-' , ** ' (J ' JJ,@'-'
**$''+-' C@ +@' @@' 1 '
"@A @' 5' *$' T> @D'EG' 3 C@'D@'5C A @' ' ' @CA2'
+B' +B@' @A @'T J> A @' >CA>? A@2' C@ +@>C '8 -D@C(a
B@'%C@ +-C
? &2)!%X-M'!:V A'B ?' GJJ@AD' -C C @A'B D@'$'4;Q!

& 0' & '0 O;<' " C@' @ JJ AD@' 1 00' ^ > @Ca' @ @!' A'
E)'B@C+-' B +'B@' -,D@' AD' @ W@' ? B+@' E @A' B ' @-JJ@AD@'
*@, ' ,' cNRR '0' &!!0' & '0 'E ,@>@' -A' .-D2'
,? E+' D@C2' >*)AD@' AD' @ ,D@AD@' - 'E@>@A@' AD' - '
@-C!' 1 0' ;LL' 6C@)B@,@AD' ' B@JJ@AD@' AD' @ ,D@AD@' - '
,,@' B +@' ,'%NNR' ? $ "' =PM' !@ +@ ' -J' >C@' @JJ AD@2'
@A@' '-A' @C,D@' $' ;OOP' 0' V$ ('LMM' "@-'E>B@-'+-'B ?
@E +@' +-'E ' B>JJ@A+' $';##\' ' , 0' 0' OM-J@B@->@A '
, B@' B>JJ AD@')' ;OQP' '' ' ? 2$ 'ON' A' 0' 0'
,0' QO' ' @' C@' >JJ@A' E@C @' =1 (' 3! ' / .EG' KM' A'
" -C +? AA' ! ' 0' 0' PNP' >JJ AD@a
+'!B@ JJ C ' 10' 5-C? ' O =' B>JJ C@2' L'
B JJ@C2' =' B>JJ C@2' B@J@C@2' @J8J(@C@2'
B@JJ@C ' ^ C,G' 3 ' ,)**$ ' 8 (2' ** T' '
,)** 'T' ** '' +-' C@ +@2' 1 ' ' ' @@' " Q '
% ' # " 2' . * $ ' 83 " ' , * (?-D '
,. *B %+(' 83(2' 83(/>' , ** !H' ' JC@ '
, -' = $!"+' -A@' B-'B ' -A+C-,' & 0
'' ' & (' & '0 O;Q' B' E ,@>@' -A' .-D' @D@C' , ? B+ 2'
B>JJ C@' - 'B@->@A@' AD' - '@-C @' $' ;OOP' ' , 0' 0' ;LK'
")' B>JJ C@' $'%<RR' A' !(' ' 0' ' PQ2' 'E ,@ @' A' -D'
D C' ,? B+G2' B JJ@C' - 'B@ @A@' AD' - '@-C V@' c<]R " '10'
Q' -' @C ' VA@')J@C@' %<$ 'C&!0' !0' D' 0' C& - '8;<NL('
OPM J '+ ?@' ? A' ' ? D'UA)+B' AD' B>JJ C@' ->@C' ,,@'B A.@'
;LQQ' . ' C 0' 0' O ' 4 ' ;MQ' !-' ' :V@ D@C' ' >,' .-D'
-C?@->C AD' B@JJ@C
!B@JJ@CD8@2' -E ' -C? ' - ' 1)' 10
!B@JJ@G ' $ (' 8 I> A C)(' ^&@CB2' -?@'
@CC-C' ' ' 11 V' ' B@D' -C' B@@J
;KM<' . ' & - $' && - 'S, 2' ' @A+' +C .B+' B-?@'
+-' +B@' >JJ@C' B@JJ@G2' AD' @+' +B@?' ^+B@' B@@Ja' A D@
!B@JJGA.2' -E ' -C?' - ' 11 7' 10
!U@J + C@'8 @ J +-*(' $!0' , -'M2<' B@@J '
+ C@2' Q2' <' B@J +@C2' <' B@J +@G2' B@J +@CD2'
@C+2' B J +@C2' B@J +@C2' +- ' ^ ' 1' i'
' B@' A ?@' ' D' +-' C@ @C' +-' +B@'E CD' '
B E+' - 'J@C B A.' -A' +B@' E U ' - ' B@@J' +-' @@D' -A'
D @' + U a' B@' + C, A.
$/%J' < 7 ' !& ' '8 CE('P=' !-?@+ ?@' ' -,D'E@+)G '
+B@' OGCD 2' +B +' G.B+' -A' ,G?@D' +C@@' J@ ,,G' A' !B@J + C@'
+G?@2' B@A' +B U@' A' ,- U@ '+B@G' ,G@' ;PK=' 7 ' $ ''
$! ' ,S ' ;LP' B@' !+ C@' -C' !B@J + C@' %MMR' 9 ' .B R
) ..' $ $! >' & '?.0' 8;KKN(' O<M' #E @C @' ' ,- U' - '
+ C@ '8-C' B@J)@C (' B@A' +B@G' C@'C@ DG' +-',-D.@' @C), @ '
A' 'D- @ -+@' MKS' ' ' ! >' $ 3-0' SSS ' ' ;='
8;MK<(' ;<N' 7 A. '- ' B@J + C@ 2' + C@ ' -C' + C, A. ' ;KNO'
= 7B' ' .0' 0' ' ' $ 0' A' +B@' A-C+B' - ' A., AD'
+' ' ,,@D' %B@J +@C2' -C' %B@J !+ C, A. ' ;K=K' N&&!&
' B@' + C, A.' ^ ' ,,@D' A' 1-CU B C@a' T B@J +@G"' -C'
T B) +@C ' ;KM=' :2' % ' $'' &'' < &% ' OOP'
'J C' - ' B@J + C@ ' ;KK=' ' $ $''?$!&2 'LO'
B@'G->A., A.' B@J +- ' C@ UE.' A' +B@' @ @ ' ;KKQ' ' 5 '
' '2 &)' ' $ ' ' ';LM' B@G' +--U' A. '
, U@' ' ,- U' - ' B@J +@C ' C-?' ' @,D
!E@J +@C ' 10' @S ' $!0' , -' =' B JJ- '
+\C)' B>JJ@ +@C2' B JJ@ +@C@2' X B J +@C2' P'
B J +@C2' BGJJ@ +@C@2 ' B JJG +CG 2M' -B@J '
+ CC@' 8<' $!(' B J +@C(' ' ^3 ' * '8 '# '
T\, ** ' U ' @CA(' @? ' .@A+ A->A' +-' ** ''
8#: 2' , **$'+' 1 ' /
' ' @? ,@' >++@C ->+' - '? +@C , ' DC@ ? U)
;LQQ' . ' C0' C 0' O 'S 'LL;' >@A.@' ?@' @,@' +G?@ ' -+B@C'
C@+@' ?G @,>@' 7G+B AA@2' ' ' B@J +@C' B@C@' ;LKN' C&!!'
$5' A' $-.@C ' 5%0' "' &,)- 0' 8;K<;(' ;L' /@' , ' ,
!E>JJ@ +@C' S*)' / @' :-B AA '!B JJ@ +@C@'S* ' ;LKQ
SQ ' ''8$-,, (' ,, ' ' B J +@C'H-)!)!$H'
-)>+ +@@' ;= ' & 0' '' 0 %5 ,.P '9;9 7#' >6>&' %['#0
!BGJJ@ +@C@' ,' ;PSP' &,. ' & ! '?0' P -.:@' @G@D' +-? JA'
B@J +@C' - ' ,GA' S G S!' A' , &!& $' 4 ' L;;' -'
DG>@C @' B@J +@C ' -C' ? UGA.' - ' * ?- U@ ' -C' +B@' @ D'
' I>@A@' ;PLN' . 7 ' OMM O' !%B@J + CC@2' V' ' 0' 1 0T'
!B@C@ ' -C')@J +@C 2G b ' SW)' . ' 0T' $, '$ 5T'
' B@J +@C2' -C' @ ?@ +@C ' LI ' 1"' <!& T'
$* T0' ' >++@C' ->+' - ' JJ C@, ' 'DC@ ?)@C
i' ! ' ' @? ,@' T' B J@C') - 'D@ + A @ ' 10' $ 0
;= ' &,0' A' 7 C 7 , U@C' PQL L= P' !& &(' -A' - '+BC@' E J
+@A)' !' B JJG +CG ' " !' A 'D@ +GAG@ (
!B@J CD ' @@' *3 B$ ' ' ' 1' 10' K
!B@JGA.2' !B@C ' @@' 11 7' 100'
!B@C D2' -E ' -C?' - '))
!B@C D-?2' -E ' ! ' ' 11)
!B@C 8@2' -E ' -C? ' - ' 61
'!B@C A A- ' 10' $ 3H' 'U AD' - ' A@
MLO' 7 8' $ 0' ' ;P' B@ A@' +B +' E' D >AU@' A'
$-?@2' ' ,E A-2' 3> +@,,-2' !B@C A A-
'!E@C >+ ' 10' $ 0' , -' B@CS A+ ' ^&C-E '
D@A+ ,' +B') V' 'U AD' - ' A@
;MOO' : ' . '8 7 +@C & (&2 ?& ! ' ('
7 +E " -,,- U@2' !E@C A+2' 3 ,, . 2'% A C 2' ' +> +G->C')D@ '
J' +B' ' >C C C ' ;MOL'] 'C $ ' - *3 'M' -' Y
-GA@2' #C,@ A @2' -C' +B@' %BCG + ,,' ! @CC A+2' -C' $B@A B2'
C-?' +B@' $B@ A@' ->,D' E@' JJ C A+
!B@C CD ' ^3 -D 2' A ?@D' EG' / ,,@A A '
;Q;<' +@C' 7 ' $ ' 8;MP< ;QOK(2' A' A.6 E'
E-+ A + a' ' .@A> ' - ' . ?-J@+ -> ' C>E @-> '
J, A+ 2' -?JC A.' -A@' J@ @ 2' 0' $'' ' (+B@'
@,D ? DD@C' ' 'J, A+' - '+B '.@A>
;QKP' - &) $)> ?& 05 0 0>B T+' ;K=' !B@C CD D'
7 --DC--'B @' >+?@& B J@D' -C-,,
!B@C CD @'8:@'C CD- (2' 0' ^5C-?'+B@' A ?@'
- ' $ '%- J@C %-,@ a' $'! - ' -+'8 C-A'
C+ ,@ (+B'X A 'EG' 'J C+ >, C JC- @
;2N=' ') -'O;' 3 G'MPK L' +'O>C, A.+-A' "-> @', +'
5C D G' @@U 3C'!B@C CD' %- J@C %-,@ @SJ, A@D] -@'
JC- @ ' B B' '+-'B@' -??@C ,,G' JJ, @D'>AD@C+B@'A ?@
- 'T!B@C C -X? .'' ' ;<N< A' ') ''' 0')* !0
!B@C B2'JE ' -C?'-' U'8 A@(
! @C +#6'8@ C,+ A(2$0 ^ '+B@'A ?@- ' B-?

3F;

[illegible]

[illegible]

[illegible]

@S@ >+ -A ;QKP<) B) 0)! $ 2 . %%T ? $, 3 ! B AD > 61 0" %%> & ! JC -A 1 0 %%T C ,) $ - ," +B@ . ,,-

! B @ C ,+G 8:@'C),+ (2 , - 9 B C@ ,+G2 B@CG ,+ @2 Q B@C ,,+) B@C ,+G2 ,+G2 B C@ @ ,+G2 B C),+G ^ 2 P i * i * ! +@C -CD , U@ &"$! "6]]) !

K $ $ - 1 $ 8!@,D@A !- (;ML U@ @ D # @ - !B@CG ,+ @ SMSX 1) $ (< ? (SS^ aS PQ O B@ # @ - S@ >+ -A AD > +-DG - +B %->A+G ^">A+ A.D-Aa +B@ !B@C , +G , !B@C ,+G(2 - -,D AY B@C + E,@ ;M;Q) ! B& > ,,0 8%B@+E ? !- (LOQ B@ J +@A+ - ?G - @ - G B@C ,,+ @ ;M=K C 3 ,) & E ' , '$ PQ ,D@C? A &@AAE.+-A ^ B- @Aa -C B UA- A@ X@ ,@ EG B U@@J A. + A. ! EE-+B +BC->.B->+ B !B C ,+G2 ;MKO 'D0 ! , 0 %% O< B@ !B@C a+G - -AD-A =; !E@C ,+G ;QPL) &' 8;QK;(LP ! C $- , AD 3 @C@D +B2 UA .B+@D A B !B@C ,+G2 KQ 5- ? & ((%) &%% ' 0 P= B@), B @,? -,@?A + @ - +B@ B@C ,+G - -AD-A %% c3 O %/ B . ,$ 0 $, %0 ? OM< !@AD A. ->+ +B@ C>..@D B@C ,+G - , AD J@A , 3 -C @?)+

! E@C D - ?) G .$ $ D] / b / / ! / / M 2) $ B* " R

: D +C + -C +@CC +-CG ?D@C +B@ *>C D + -A - B@C ,0

S *(0 T &- 0 =;N + A+E))@C D-? - &@C+B ;=PL) %% ' '! ! 0 80 AA +GA@ %,>-(L=N AD 2 ,G AD ? :V@$@. , +@- / >A @C?,GA AD +B@ C D-?@ - G ;=PQ A , C$ 0 ,& (8;KQP(4 OP ; F>B ,U@ @ ^ a B- A E@ aV C @ - E>C@ @C D-?@ [P=< & ' !0 ,& (S" [NL A +B@ B C@ D-?@ - . ,,-> 0 , &%) ' 8[Q<N(K= AD ,G@ A. A @ @C , E CC D-? ;QM< & > &) < 0 ? (8@D Q(O<M B@ ,@ - CC A2 B B +B O>+@ ? U@ >J -J@ !B@C D-? [KP= , XG) ;K (<; e LQ B@ B@C - +B@C B@C D-? A B B +B@ - @A @ B ,,B @ E@@A - ?Y ? ++@D [\P= " = . , 0 , - 08;KPK(PO B@ " ,, 2 B D E-CA@+B@ . ,,- - +B@ B@C D-? -A + C@ + SK) - < / @ K O - +@ , - !B@C !>E ++F+@ - +B@ !B@C D-?- C.V ,, $ %0 ;QMO +C ?) - % " 0 < & (2 OQN B@ B@C Y D-?- , +-C

; B@ - @ - B@C $/O% . 1. +C ! > 0 ,& (;OQ B - @ A +B C G @ D@J@AD@ +B A - B@C + .@ !>B C+BC-> B A+- +B ? @ @,@ +B G C >@ @E CC@ D-?@ SMX- . .) $- ? 0 POK B !B C @D-?@ +C A , +@D B@C@D + C,G A+- +B@ ? ,G - +B@ 0@ > B ?J ;MOK 9 ? 0 - - 1(PPO %->J,@ +B + B D +B@ !B@C @D-?@ # -AD-A +B + D G@ C@)SK-M! -S+ (& !! #R : A A &,. $ S 2 B@ + > + -A) KNN G@ C2 E@ D@ E@ A. -A +@A+ *+B B-,D A. ?G B@C)-? ;K;< & !" $ 4 P + +B> +B + +B@ B@C@ D + CG B@C D-?- +B@ ->A+G - 7 @ +? -C@, AD ?@ +- +B@ ? ,G - > +-A) ;KQQ 3 (7 $- & ;L; / D E@ +- @D -A B ? +-@ .- @CA ?@A+ - +B@ +,@2 AD +B@ B@C D-?- @ -+D +@ ;KKP " O 9 A D)$ " 5@E =K ; "@ +@C CD D@JC @D - B B@C D-? AD - B ,D@C? A . - A B&,)!) !"0 B@ C@ ,? -C -CD@C - B@C + $0+& . 8 - 0 !!0 S, =Q ,+B@ J-?J AD J,@AD->C2 A +2 +B + !B@C D-? J E,@ - / ! $ $

+ ! B@ @ ! 1 ($ (B* 1 B- B@,D +B@ - @ - B@C 8 B@A B@C@D + CG(; ;KP< , 0 ?$ & 2 A & > (- $ .0 C!$, 8;K=N(O;Q D,@ AA@ %, -CD " . B !B@ @ W@EG AB@C + A @ - +B@ %->A+ @ - 7 @ +? @C, AD $ 99 - B.. 7 DD- - B-? -CD %, -CD2 !B@C @ 8 ? G G(A +B@ S+@@A+B - $UE CD +B@ @ +? D2 +,, +B@ , + - 9 "@ACG +B@ ->C+B SKX- & !" $ (4 P ! C $- .@C D@ %, -CD U ",@D A E ++,@ E->+ +B@ G@ C XLW- +@C B D@ +B2 B D- + A J@C -A2 B@C @ - +E@ ->A+G - 7@ +? C@, AD2 +B +B@ *>D.@ 2

! : @ ,, # # D 1 0 5 - C ? @@ C $ H: & ("##/ a B@ - @ - B@C ,4=PN <& &2 0 QN A +- +A@ - U, "A.@ E@ @@,@ - E@ -C@ @ D BC@>@B-D@ J>+)C - $ O&>+ < 7 & 0 A (&!!0 0 8% ?D@A(QQ "@ D (.C >A+GD +B + B@C@ @B-DG B-,D@ ,--+- @C A@ -C %%%, E@ G@C@ ;PNO .) &' 0 0 E2 ^%B C+@C - S AD-A 4LK= a 7 @ B >@ .C >A+@D +- +B@ % +@X@> - - -AD-A +B@ !B-C@ E-D@ H !B@C@ E-D@a - -AD-A AD - 3 DD@, @S ;PPM & 0 < " $ 8% ?D@A(;= :-BA OC A@ DC- A@D A BG >C@ @E-D@ ;MO< A (= - $ 0 8;K=K(X "@C@ ! C 7 +@C EC->.B+) +B D G A+- +B@ !+ C %B ?E@C2 -C B A. + +B@, +@,@ + -A E, A ? D@ -C +B@ J C, ?@A+,@ @ +B@ B@C B--D2 B B +B@A A B B AD 2+-E@ - ?@ E>C.@ - +B@ D J C, ?@A+

? 3 5

1!(1 0 ^ a B@ B-,D A. - +B@ - @ - B@C 2 AD D B C.@ - +D>+@ ;MKO - ' ' $,!) MM 8; QSL(,) SML B@ @ @C ;&,-+ AD &C-+@ + - S > -A2 - + -A2 !B@C A. 2 5@ + A. 2 \ SKJM $ * $ 0 JC2 KSO O 1-> ? G +B AU +B B@C@ B@C A. ? .B+G >AAG2 B@ -A D@D -A@D G +- C @AD@C TE>+ G->-> .B+ +- +&C@G + -A @2 AD @@ +E@D B-A@ + B@,J G->B @ + - D@ , +B

! B @ C \ G $ (B* ! 4 ? 5) ! MX- A $!0 0 C$*0 !(;MNK X = ;L ^ "@ B D +B@a BC @CG ^- +B@ ->A+G E@ +- -D >J-A B ?a ;KLM< . A $ > $ 0 P;[+@C ?G B@C CG ! B@ *C B J B* $. G! $

0 0 3 G ,-CD ,GAD@ G +>+U J- @ ->A +B@ !JB@C@ @E J - G @ XM) 3 . A !G $ "(@+ 8;KPO(=O B@ ! -+ B @ +)@A) G +B@ B@C@Y D + CG BC@ B J C-? @ 3-E, +G ;Q=Q %ON < &0 (=L !+ ,, !B@C B J AD &@J>+G !-@C \B J - &

+C + 2 E@ A. & C+ -A,G - !B C@ SK) $, 0 5$ - 0 ;Q - P L + ,,E@ @S @@D A.,G B CD 3 C 3 B->,D E@ - ? J@,,@D +-) B-- @ E@+ @@A B + B@C B J AD B J-, + ? E+ -A ;K<L 7 8 0 %% & % < $!!&Q 2$" [ON B@ B@C 2 -CD@C@D +-.C A+ D@J>+ + -A - B@C B J +- C @C -A - . . 2 %, @CB-> @2 AD C, B ,,2 E -,,@ .>@

+ ! B @ C + - - + B (5 - C ? L B CC@ +>+B@2 = , CC@ @ +-+B-2 P , @C + - - +B2 8K B@C + - - +, S(^% JBC @) -C -A@ - A +- - +B A 1 (L a A AA> , ? J- + 8 - ? J, A@D - A ;LOQ QQ EG / @CEG B C@ +@A A+ C-A. >, @S + -A(,@ @D EG +B@ D @C -A) B E- +@ - , AD +B A B ->A+G

;O<K & . (D) & 81U 2 $! - (" K=2 O: -C 7 G+@ ? @+@ AD ! B CC@ +>+B@ ;LOQ QQ &!! &% C$! 0 =N; O 6A@ +-C @A-> @ JC @ I @ + B@ >A A ,@ @ >C @>S J C ,@ $ -G I , JJ@,@A+ !B CC@ @ +-+B@2 @ + - C D@ B@ >A@ B- @ D@ +@C@ G D@A@C ;=N A @G @ +@C (D0 8;MQL(ONQ2 & * $) - & ($!$) - !B@C - - +B * - $ & (4QN4 &2 * (8@D 9@AA@++(2 C % && @@? +@A>C@ EG +B@ @C @ -CD>+G - JC- D A. A+@C+ AY ?@A+ -C+B@ !B@C +E %->A+G >CA #C %->C+

1 8 @ C U(5-C? @@ 66 AD 7 %9 , - M BGCCG GU@2 Q B CC@ U@ B@ - @ - B@C

4=! &!! &%C $!0 2 OOP ; B@ - @ AD - >J + -AW - 3 C ,+@2 !B CC@ GU@2 %B >?E@C,@GA B J ;PON & % + @ ;P=O L , L= = LP 0 (OM OO B@GC@ D@ - @ @ !B C @ @ U@ SM-S =) & 2 %0 $!) & % E2 3 +@C 7 C? A2 B@C@ G->C & +@A+ @ ,D 5-C +B@ B) !B@C @ U - -+A.B ? SM-) $ & !" 0N% + OO[B@C@ PNN ?-C@ >AJ D@2 B B +B) ,G@ A G+@ >A+, E@ ->+@ - +E@ !B CC@ U@ +-B @ N ?@ , M=N : ? !BC@@ @ U # -> @ +@C9 & 0 5, 0 OM S+C -CD A CG @C @ D-A@ EG !B@C @ A+B@ + ?@ - +B@ C !B@C U) 4KK= $2 4O<F & (B@ !B@C U - -AD-A A +B@ %- J-C + -A - -AD-A

/ B@ D +C + - @C B B B@C B *>C D Y + -A

! LQ 0 (OM ;K @CG ? C>,@D AD 6 J@ +@ J@C -AA@ +B A +B C !E C@ U K+- C$, . NO + O;Q 7 +B A +B@ !B@C U - +E@ !B@C - -AD-A AD 3 DD,@ @S ;K<= $! - 7B C T %% & !$ <W E@ E , U - 7@ +?-C, AD A +B@ B@C Y U -C BC @ , +G2 - +B@ B-,@ ->A+G - 7@ +?-C, AD

A 8 C (5-C? Q B C @2 -E@C ,2 E@ (2 < -, @C 2 K B@C8C(, - 8 A / @+ (< B@C@@ @@ ^ C E $!%!" 8O-XG(2 %0 $ %8 @@ ; D % 1 O2 ! O & ")a . -,D - A -C?@C,G >CC@A+ A +B@ @ A+ - +B@ , >@ - < : =

L% / <) $ 0 -K BC@@ ? ,, -A - !B C @ ;M=@ < 3 & - $ && [O(B@ >CU B >,+ A 2 -C) .GJ+ A B@C ;MKQ 3 . +C2 & $ 0 OMO B@ >CU B %B@I > A2 B B +B@G ,, ! B@C 2 @ ;M<M +C @ @A+G 3 D A 2 AD +B@ @A@+ A2 @ @A+G ;M<M +C) & G * &"0 $ S+S 8;QNP(O=N " $ A - ? S D +X-- >CU B& @ @- - ,D2 - ? ? -A,G ,, D ! B@C -C+B O @ +@C @ B 4QK! $10 (ONL B@ A@ UY @ ,>@D +@ - +B-> AD B@CC @ XK-O $1((8;KSP(ML J D -A,G + - B@C, ?-A+B -C+E@ > @- + ! A@C B2 -E 2 -C? - #

;=LM 1 ! 0 C&! ," A C&!0 C& - 8;KP<(XKK ! B@C + D C 8:@C + D :(!&3 0 , - < @CC B+@BD C2 @C 2 B@C B+ D C ^6CD>8

&@C (*,* $ ($ 8JC-J@C,G $ 3 + - @2 @? J,-G?@A+ i $ B-,D@C2 J-Y @ -C a B@ B@ D ,@CU -C C@. +C C - A AD A ->C+ - *> + @ @@ I>-+ ;KQO [QQ) A 0 $! 0 $ E8N (+!0 [NLL B@ !B@C + D C B @D@, @C@D ?@ A ->A+ ;KL= Y 1V ?$1&+ 2 XX-8! A (B@ !@C B+ D C -? ?@A @D E> Y A@ EG A -C? A. ?@ +B + B C@+ B -C@G+ ;KQL) % $ OK= B@ !@C B+ D C C- @S ? A@D +A@ @ 2 DC-A@D ->+ +B@ JC- @@D A. B@A +B@G @C@ C@ -CD@D2 JC- ?J+@D +B@ D@ -A2 AD J, @D +B@ ,@ - ?Y J,@+@D @ E@ -C@ +B@ *>D.@ -C .A +>C@ 4<N .0 ((!@J+ P;P + A-+ +B@ A., B? A B-C@ ,,G.- @CA AD 2 E>+ +B@ OC B? A +B@ B@C, + D C -C D@J>+G - ,,@ +-C AD +B@, @C C?G -OC B? A - !B@C +G @@ 66 .

3 / / ! = $ Q 9 / ! $ K

;QQQ - &"0 &) ! & ! ;;0) M B@ C- U 2 -A+ A@D -, A JC-D> + -A 2 -C D @C@A+ AD - , 2 - ?@ - B B C@ >,, - B +@ AD ,C@@A B B@C, ! B@C? A2 !B@CA8@2 !$ $ " < ! B) C - - + 2 ! $ # $ A& (& $ S S 8@AD(2 , . .B+ ?G B@C- -+2 ! B@CJ2 ! Q / -C? $ + ! B@CJ@ 1 ($ Y b BGCJ@ K $ # 5 * 3 $ * $ -5:L CC * P5 ?$ 4=) 7 <) !0 C ! 0 PLQO BG EC@D2 JG,.CG?@ @>@CG B-A2 A 8B@C B@CJ@ +B@G BJ,D G+)C@ 1 0 MOON !BGCJ@

! B@CJ@+2 ! B@CC @2 -E < ! B@CC A+2 C A+ - 1 0 ! B@CC@ 8) @ @2 @ @2 $D ! B@CC 8@2 3 c! B@ ! 8*@C ($, 0 , -MK B@)C@ 2 Q @C@ 2 ^ !J = " & + [A@ - 4@ @ 8 @@

! B@ !J 5(A- - A D@A A ->AD 7 +BG 8 f S(-C? @C,G JC-A->A @D 8:(B@ A ?@ - +B@ +- A JJ@ C A +B@ Q+B @ 4MOM $ =0 ! + BC@@ +- A@ O@A. A A., B !J A B %- ?E +2 J@C -C?@D +!B@CC@ A !J A a ! 1*

^;P=N ; !!& % 0 &2 $. 8!- ?@C @ " -(2 @A+G E>+@ - U@ - !B@CC @ a $/0> A 0 (2 ,, @ @ -AD JC- J@C+ @ - G->C @S @,,@A+ !B@CC 2 E2 +B@ C? A. - +B@ O,--D +B@ !B@CC C? @ +2 AD ? U@ + ->C @ C-? +B@ A CD 2 +- +E@ J C+ @S+C@?@ ;KQM 8 7 $ 2 B@ E@CC ? A+,A. !+ ,, E->+ @ B ?->+B XKK) 6) ($. * $ SS 2 -CD2 : U2 B + B@CC +B +

!$$ 1(& -1(/6 I C 9 10 !$ $ >% 8 7 . T $ 0 S , 2 O U +B@A +- -> C B@CC EC@ @ ;P<Q !B CC U ^ @@ 4 E+ ;MNQ = $ $!(8;MSQ(LM J A+@ - @CG - -D %@C@ U@ ;QQQ 7 2 . 1 $ (*0%% C& (,S 2 4@C@ ? -> - C B + ,,2 B@CC@ A@

*@ !A1:: C A+ - 3 . . *@ 4 ! $ * $ 2)@ 9 ./ 1(2/ A 2/ 2/ / $ K / 3 3 ?$L

#C . A ,,G2 +B@ + ,, B +@ A@ ? D@ A@ C 4@C@ 8A- " 0 !$ & $(+- A A AD Y ,> 2 A@ C % D X(CA ?-D@CA > @2 @S+@AD@D +- - !J A B B +@ A@ - C ? UC B C +@C2 AD 8> > ,,G +B JC@ S@D -CD2 $! %& $ ($* "+ +- A@ ? D@ @, @ B@C@ A ? + + -A - !J A B ?@CCG , -2 A@ - +B UAD XM-K =)). $ & ! X2 !-?@ !B CCG -C ?G -CD J, G@C +B@C@ ;MS= O # ?$ 0 $ 2 &.0 ! U G-> D E>+ @ @A A- + B->,D@C B@CCG C *0 !&0 7 BG - + B@CCG2 B@CCG2 B@CCG ;M Q) E C)1! , (7 +@C C@ J, A. D@ A+@C - B@CACG ^2& > ,,(8%B@+B ?!- (OO= #A@ -+B@C C>AD,@++ - B@CG ;M=P . . 0 8;MKK(LPN B- @ U AD +B + ->C 3@C B A+ % CCG - @C2 C@ +B- @ -A ,G +B +) - >J-A +B@ !@ D@ 3 , 2 !E@C @ 2 @A+ XMC " (8)MQP(ONL B@G @,,D@ G@D 4@C@ 2 >,. C,G !B@CCG2 -C > @AA A@ SMK@ 9 , "&) - 0 < , ; LL S @,,@A+ 7 A@ 2 @ J@ ,,G C@D 3> +@, 8 B B @ ,, >U@ !B@CCG(2 $5B5 B B 2 "O1 8 QMM(OOX @ DC>AU , ++,@ +@ AD -?@ B@CCG ;QOM >&) 0 &"0 LL; ! - ?@ !B@CC@@ +! . (?&O(C)!!> " (7 +@C C@ J, A.D@ A+@C - B@CACG D- A +E@ + E,@ ;K=K N A $ SSS 2 3 - + @,@EC +@D .C- +B -J-C+ 2 B@CC @ 2 AD , C@+ A@ ;KP= < (SSS 2 ! -?@ C C@ -,D B@CCG ;K<Q c = I 2 V $ > S ;=P E@ %-, 3 C B D A A., B C@AD B- J-U@ -] -A@ @A. .@D A +B@ B@CCG A 4@C@ % (C$ D) ! C$! , $ + +,@ J 2 J,@ A+ JGA+@ -&-@+ ,, !B@CCG

!Q (/ "3$! 0 ("Y$ Y1 (SKKS " $, %& % 3 @A C@ -A.C@. + A. E->+ +E@ C@ C@ B ?@A+ E> @+ -C A-+B@C B@CCG AD @,+X@C L [& =) N & 7 ,, G-> - ?@ A AD B @ B@CCG AD B ++@C

O ? ,, A@ ., - +B@ X@ AD -C? -??-A,G > @D -C B@CCG AD ? , C A@ = (;K<;(

$ 1(AD & - 1(1 ?J,@ $ 10 "3 1& ! (31) (3,$ (3 !$ ("32 (, - "3 2 , &!&) "3 . (3 &2 (;K=W $ 0 5 XCVSS 2 B@ C @CCG E-++ @ ;KKK $ ((< :>A@ MKK S B@ *> @ + C>A ->+ >.B+ AD +C A @CC@D +- +>E 2 B@CCG B-. B@ D AD E@CCG E>++ KPL $! B *& * (&) 8;K<L(OQ 7 +B -C? D E,@ ,--U A.)!B))16 @2 A +B@ B J@- E-?2 + B DD,@ ;)Q : $ & A 9A JJ < &(?& &2 8;K<<(X-S ?-A " B J@ >, C +@ B D , U@2 - !B@CCG DC AU@C o >o = # 0 &) .0 $ $ -(OM B@C@ -A,G -A@ B@CCG ., EC-U@A2 XJ--!J 3) . ;Q &@+@C / -?@ I2 +B@ .C@ + B@CCG

& ">C && 0 ?)!!(6 ;O= .B+ B@CCG A@ -,-C2 E 7 +B C@ @C@A @ +- -,->C R&X " " $ C& =C$ &,. LN; 3C !+C, A. %C >>CD B@CCG E G B-C @2 B@ !B @C ;KQ;K $ (0 8@D L(;=Q A-> !>D2 B A. -,D@A PB@CCG -,->C ;KQK C & & (S <N A->. B +- . @ B@CCG -,->C +- +B@ -,,-D -A W >/ 3L . \ - C $, (? &!0 JJ 8;KQQ(OQN D CU B@CCG -,->C@D -,>+ -A ;K<= $ &" 4 =Q O 5,@ U@D +B E@AG AD C- @ -,->C@D +C AD = $*0 MP 5C-? D CU EC- A +-) B@CCG C@D KSL - 0 0 &(;NO O--+ +B E@CCG G@,,- + @ - A A ?@ DC AU 3 E) 4 @@ (7B 3 E 123 @@ 10 E2 , -6 0 !@@ , - " L%LO C$ D) ! C$! & $ (3 G 3 > @ 2 @ C@ %-C ,@+ - -,D !B@CCG U@ 4MQQ) A $ &" & (8% ?D@A(;=K +B@ B@A@ U ;<NQ $!" &0O[- L L 7 B-DC AU B@CCG A@.>

+ !! &E 1@ !$ 0 A I>-+ @! E ^% UD V >CCG

;KO4 7 7 % LQ B@ B CCG E@ ?@ .@A@C ,) C>A +- ? G > ,, J@@D

i* D $(1($ 3 ^ 6 AD@C +B@ AA>@A @ - B@CCG DC AU !QQN < !0 $ 0 4 PP< S -@SJC@ +B@ %-AD+ -A -5 A " -A@ + 5@,- 2 AD A - 5, A B@C2 >AD@C +B@ @ + - . - - D 5@,- B J2 + D +B +B@ !B@CCG

[illegible]

23

[illegible]

$ 2$!'8J ' $ 2 !($ 2!!+(B@A @'!J 'X C '

[illegible]

! B@+B) @2' ! B@+E@C' @'

! B@+B +#2 ' C A+' - ' X

[illegible]

JJ, @D' +-' C @+G' - ' --,2 J ?' A' +B@

[illegible]

*@ 3E -E '! ' / &&.'J '+'-'

[illegible]

*@ A ' ! $

[illegible]

+ : JO$

,@ + B AD@D' ;KMM 7 ' <%0<&'0H?$ (<!& 0 ' $! '
-&& "B A.' +B@' ? ->+B'D +-C+@D

! B @ @,' 8 : @ ,(2' T' ,(' - 0' '& 0' , -' K
B@ ,@2' < B @,2' B ,@2' B@@ 6 2' B@>,@
8!@@' ' 0' $!(' 0+' ^ JJ ' -.A' 2' ! " + 0'
2 ' ' C A+' - ? ? -A' A' ! ' D ,@ + ' ' & 2 !('
&&!0]' $ ' 0 AD' ' 0' -' D +-C+2' -C' E@ - ? @'
D +-C+@D' "@A @' ! ' 3 $11 ' D*' ' P E'
$11 '8 @@'JC@ (' R ! ' ! #0 !W("' 8 - ' ' B-@('
B A.' ' + +@D' -C' D- A+C-DD@A' B@@,2

$>J/' ' < ' ! ' * (' ' ' 1@' E@ @6 A. . EE +'
EC- U' C+4QQ</ ' <V " ,. % ' $ ">' &) *' 0'
7 C + ' ;KKL' '=L' A' B- '+B AU'G@' +B@' , U@' - ' ?@' A' WU'
+C .B+' ' ' >`D' B@ @, A' B@@,'D' B>A@' ' ? A@2' $' ;QQ<'
] ' "& '' $*' ' E D ' ' <O' B@' D@ ,' ' -A' +B@' + J' - ' +B@'
? ->'2 B@ , A . B ? ->+B + ? @ ' +K-K'* 3 I ! #+ V & ! '
+-' D +-C+2 ' &' ! ' +-' ,U' A' A' >A +@ DG' AD' -E, I >@'
G ' ;KLL' < . ' < ! $ 0 ' 2' B +' >,D' B , A . . E- +'
B @, AD@C' ;KM<' : ' & ' = ') - ' <!& (')! ' +-'
,U' +B' ' B> , A .' . +

! E @ @,,@ D' 8 @ @,D(2' !0' $0' $ ' AD' $, 0'
, -' Q' B@> ,@D2' B @ @,D ' ^ JB@+ ' -C?' - '
3 . .)'%* !0' a' / B@ @,,@D ' , -' $ ' %0
;M;L' E ',$ ' '8 ' $, $ 0 OL' 7 B ,@' +B@' J--C@' ? A '
3 G J@' B ' E,>EE@C@D' B@@U ' +B' B@> ,@D' B@ C+ '
;MLL' ') ' 5 * 0 O'C ' ' P ' P<O' ' B @) D' +BC@@D' '
B CD,G)'. -+' +B-C- '+B@' A@@D,@ @G@ ' ;KQQ' . : ' - $'
'S 'O;< "@' E- @D' B '+ ,,' B +@' B@ D' A+- ? G B@ @,,@D '
B C ' SKKM] ' * ' $ ''8;KKQ(' ' ` 'K;' ! ADB ,, ' B@ @,,@D'
+B' ,-A.' C> B'D C ?' +B@' @ +@CA' >CG
! B @ @C8@2' -E ' -C ? ' - ' Q3
+ ' ! , NT @C@+ ' ,(' 1 0 ^#C . A' AD' ?@ A A.'
-E >C@' ' ' 3 . V' ! - ? @' ? +@C ,' > @D' -C'
>C+ A

S ') ' ' ' &) 0' .0'8! " ! (' =P' 5 b' L' GD '
G@,,- ' B@ @C@+' -C' ' >C+ A@' +-' +B@' %- B' - ' <' -
! B @ G '8 f ') " +(' -E ' J ' ' 10
! B @ 2' ! ' ' 8' ' C ' 8' A1 (
! B @ 2' C A+' - ' 8' 1(' AD' (
+ ' ! B @ . @ ' 1 (' $ (' ^ ' P2 ' 8' ' i'
a' A' @+G ? -,- . X A.' ,+@C + -A' - ' 3 % '
1((' D>@' +-' +B@' , G@C ' - '+B@' P M+B'
4PNN A' $ ' $ - 1 ' $ '8!@,D@A' !- (' ;2QL' " ? A@C'
- ' +-,,' \' ! B@ .@' -D@C @' ,,@D' ! U .@' ! ?+-A.@' #D@C'
+BGA.@ ' PNL =' , ' ;<' '(' ' ' K' / G @C ' 3 @+C@ '
B @ 2+ U@A' - '+B@G ?' ' @C+@GA' %- +- ? @' ,,@D' ! U .@2'
-D@C G @' ,,@D' ! B@ .@ ' ;M=;' - ' '!$' "'8;MP<('
O=P' E2' ! > .@' -C' B@ .@ ' &&' ^ @@ 3 ' 1(S*
! B @ E C @ D' 8:)> EC@D(2' 6 2 ' ' D(' , D'
M' -B@ 2' B@ @ ' 8<' (' B - (' _ @@' , -'
)!' ^ 2' 2 0' 8' 10(' +@C' 2' , $)1 &'
8 >+B@C(' ' +B@' - ? J ->AD' @@? ' -CC@ +,G' +- ' C@JC@Y

@A+' +B@' @A @' - '+B@' "@E ' / /' ! >5 - * ' %' ('
4 4 'DJ -+' . B - & (' 0*$ ' * &*& & ' 0]' B@'
+ @, @' ,- @ ' +B +' @C@' J, %@D' @ @CG' ! EE +B'
E@ -C@' +B@' -CD" -A' ' + E,@' E@ D@' +,)' ,+ C' - '
A @A @2' AD' +' +B@' @AD' - ' +B@' @@U' @C@' @ +@A' EG'
+B@' JC @ + ' ,-A@
A' M+B' ' 'C +@C ' - ? @+ ? @ ' A' J 2' +@C' +B@' 4 4 ' AD' +B@'
>,. +@' * +B@' @A@ ' O E,@' 8;PPQ(' + '!&) (
;PLN' . ' 5& 0 4 4 2' LN' B ->' E ,+' @++' J-A' +B@'
+ E,@' B@ EC@D' E@ -C@' ? @' ,, G@ ' 9 LP' 3 : 1 . ' $ 0'
S ' =' " >@' G@' A-+' C@D " - ' B@' ^`J Da 2 +@' +B@' B@ '
EC@D ' ;PML' 9 # ' ? . 0' A) (' 2' 7 U 2' 8 ! ! (' ' ; ; ;'
B ? @,@ B' -,D' A- B ' .@>@' +B@' @B@ EC@ D' +-' / > D '
SD=K' 5 ' * 0(' H)) D +) J-A' +B ' @+>F6 !' E- CD'
D-+B' + AD' ! - ? @+B A.' -C' B@ EC@ D ' SMKM "-$ + %9') , %0'
") HHH(' ; ;Q' B@' ! B@ E+@ D' ' +-' E@' E@ -C@' +B@' -CD'
-A+ A> ,,G ' A' +B@' -C . A ,' +' ' ,,@D' B@' OC@$D' - '5 @ '
B@' ? G +@CG' - ' +' 2' +- ' B@ 2 +B +' %BC +' ' +-' E@' +B@
@ +' 3 @D +-C2' B-' B->,D' E@' ,) ' A' +B@' JC@ @A @' - '
-D2 E@B-,D' B ' @' ^@+ a ' KPP' &, 0' $!C ' ,
8 -+@' ! (' =;L' ^+C ' ! + ' JBC@ ? a' B@' B@ EC@ D' .>C@ ' +B@'
? G +@CG' - ' ->C' C @ ' B B' C@' - @C@D' +BC->.B' %BC +'
EG' +B@' 3 A +@C ' - '+B@' %B>C B '
$ 1(' SM S' . 'A' '0' 551 0' ;K' 7 @ 'B$>@' ,@ A @D'
'+B@' B@ EC@ D' + E,@

! B @ @2' JB@+ ' -C ? ' - ' 8
;PNL' 0' " '' ''8 7 2' D@' 7 ' ;LNM(' ' 'L=' " @' ->.B+'
+-' J>+' ->+' - '> ' ,,'@>G,' +B->.E+@ ' AD' @>G,,')@C G-A '+-'
B@ @' ,,' - G-A' +B@' B B@' ? G.B+' +@C@' > ' >A+-' G,, '
;P=K' " ' ' ' = ! + ' ' . - -D,G'A@ ') - C+' C@ +G @' A +C> + '
A.' @>@CG' & C -A' B- @' +B@G' B>,D@' +C D@' +B@GC' G>@ ' A'G '
? G+ G-A' - ' @C+>2' AD' +B@' B@ GA.' - ' @
! B @ @2' -E ' -C ? ' - ' 8' ' '-E ' -C ? ' - ') ' U5K
! B @ @, ' (' @S ' $!0' 5 - C ? ' ' L'
-B ,@ 2' K8 (B@>,@ 2' B>@,@@2' P' B@ @, G
L2' Q' ! @ @,,2' M' @ @,,@2' @ @,2' B@ @,,D2' < B@ '
@,,2' Q <' B@ @ ' , -' 8 ; I ' ^ G,G' 3 '
,)! (' J@CB ' C@JC ' # ' T 2 ! ' f ' 3 2' , ET'
2 ! (' 3 " ' , E !'8 ? -D ' ,) $ +(' ' D@C Y
+ @' - ' +B@' E ' B B' JJ@ C ' ' # " ' ,) ''
8 3 " ' .) '(' .) 2 '(' ? -D ' , & '+' +-'
C@ ' % ' ' ' C@ C- ' , -') ' ' ('
- ? @+B A.' B>A.' >J' -C' @+' >J' +E' U@@J' ' D@@C' C- ?'
@A+@C A.' ' J C+ >, C' J, @2' -C' C- ?' .- A.' A' '
J C+ >, C' D C@ + -A' , -'B (
%4LPN 2 ! 0' ;M=K' J ' @, %' E +' .C- ? \ ' J@' - '
A' > ? ? @' - 'J@' B ,@ ' H"L0 0 B@>, a' ? U@(V' 1 0 4;OK'
'J>' C+' B>@,@ ' H 0 0' B@>,@ a' >B@' .-D ' A' ! , '
C! $ ' & '8!@,D@A' !- (' ;LN' A+C C@' C@JA ?' >?'
C@+E E> '@+' @ @,, '@+' J@C@' -, + , ' ;) M') ' ' <) !0'
C ! T' ;LKK<' ' B@ @,G '@A C ? GD' A' +B@' @,D') ' 7 G B' G 'E>+'
'D@D-G. C@ ' ;PLP' ' A' 0') * * 0' & ' $ 0'
% ? D@A(' Q;' @+B@CGA.' >J' J C+' - ' +B@' +D@' B- U@' ,@ @ '
+E C +B+-' ? U@' B ?') @,,@ ' -C' E, A B@CC@ ' +-' U@J@

&&

+B@' D@C@' +B A' +B@' --D@2' +B@CEG' +-' B @' +B@' E@++@C' CG'
+B' B 'B- AD@ ' VPQM B 3 ' ' 'SU4 '<K' AG'
+B A.' +B +' ' B>A.' J2' ' ,,@D' ' ! @ @, ' -D' + B) ' C@'
@D' ? - +' - ? ? -A,G' +-' ? X@' ' / @ C@2' AD' +-' ? U@' B ?'
C@ > @' +-' J @' B@C' +B@G' C@' B A.@D' J ' $' ;PKM) '
,$ $' 2' S ' 5' =' ! -' C@' +B@ @' E>.E@ C@ ' - ' -J A -A '
EC->.B+' EG'.C@ +' %,@ CU@ ' A+-' +B@' -C,D2' +-' @C @' ' B@' @,,@ '
+-' U@@J@' +B@?' C- ?' +B- @' >,+ 2' B@C@+-' 8@+ _ ' SM M'
8((0 ' ' 0' 5*& 0(' 2 !!(' (' & J@C2' ,D>)' -C' AG'
+B A.' B A.@D' J' +-' U@@J' ' / @@C@' C- ?' @A+C A.' A+-' 'J, @ '
SMMS' - . ' , ' S ')OP' "@' UA- ' E-+B' +B
B +' E +@ ' +-' A +@' +B@ ? 2' AD' +B' B +' B@ @, ' +-' DC @'
A+-' +B@' @+' AD' -G,@ ' %M ' (2 ' - &) "' ' ;KQ ;'
O,@ A B@C 2' AD' !@ @, 2' BC@' J J@C ' AD' + U' , D' C- ' '
5-S B-,@2' +-' @ C' B ?' AD' ? U@' B ?' E@, @ @' - ? @' A' ' @+'
+B@C@ ' XKKK' ? . 0' <!& 0(' 2 !!(' ' C@ C-

' ! @ @,, A C' 10(' '>J' 1 $
;PQM' B 3 ' ' (' @C ? ' O=!' 7 B@A' +B@G' B A.' JJ@'
AG' J J@C2' ,->+2' -C' -+B@C' ? CU@2' +B@A' +' ' +-' E@' ,,@D'
!@) A.' $%J>' # ' . '8 7 +@C &(' * ' $ &' / 'O2' / @ '
, @ ' AD' / - , @+ 2' DC A.' +B@' % ->@C+@2' ,@ ? B@ 2'
!@ @,, A .2' > A+D G@2' ,, G@2' 9@, G@' ^@+ a' & ' . '
' - &) "' ; ; ' ;KK O' ! @ @, ' -C' ! ^@a @,, C*.2' ' +B@' @++ A.' >J'
- ' ,->+ ' -C' J J@C 2' -C' +B@' + U@2' -C' ? CU 2' AD' +-' @ C' / @@C'
G' C- ?' 'J, @ ' ;<NL' <$ - . * ' / @ ' MP S' ! @ @,, A.'
A' ' J @ @' - ' -CD' +B' C . ' AD' @ +B@C ' S@D' +' @ @CG' S'
A B@ 2' +' 'C@ -A E,@' D + A @' A' C-A+' - ' +B@' .>A ' ,,'
@A >C@' . - - D' "G A.' E CD
! B @ @ ? U @C2' ! $ ' ' " 9
! B @ @C8@2' ! $ $ M ' 10' ; ' E&' M
! B @ @+2' ! $ ' ' ,
! U @ D 2' ! / J 2' + ' ') '
J 1 /' 1 ' ' M C ' , "
! B @ C@2' -E ' -C ? ' - ' M ' 10
! B @ + ' ' ' 0
1 ' ' ' ' 0
! B @ +@C2' ! U@GD@2' -E ' ' , ' C ' 10!
2 /' 2 ' ' 9 '
K B@GAD2' ! , @G+8+2' ! $ $ ' ' 1(
8 /' 3 ' ' ' * 9
,! B B' 8 & (' 5-C ? ' $(' Q' ! @ 2' # B 2' K'
! B 8B2' ! B G E2' <' ! B G 2' ! B G 2' K <' ! B 2' <
! U@8@(B 2' ! B@@C2' K ' ! B B ' " ' Q' ! B 2' Q K'
! B)' K' ! B G ' ^ C E2' $ ' @ +2' ' C- - +'
3$(' A' +B@' +B CD' -A*>. + -A' +-' - ,, -
" ! # &
'
□ @ +2' 9

%$ $ &C-J@C,G' 8E>+' A' A. ' - ? @ B +' C C@,G('
> @D' ' ' -,,@ + @' A ? @' -C' +B +' -A@' - ' +B@' + -'
.C@ +' 3 -B ? ? @D A' @ + ' 8 B @ ,G' C@JC@ @A+@D' EG'
+B@' &@C A (' B B' D @C ' C- ?' +B@' ! >AA +@ ' -C'
-C+B-D-S' 3 -B ? ? @D A ' B @ ,G' A' ? A+ A A.'
+B +' 6' 8 3 -B ? ? @D' ' -> A' AD' -A A , (' '
+B@' +C>@' > @ -C' - ' +B@' JC-JB@+2' +B@' +BC@@' C +'
, JB ' - '+B@' ! >AA +@ ' E@ A.' C@. CD@D' ' > >CJ@C 2'
E ' % - ? ? -A,G2' A' DB@C@A+' - ' +B ' @ +2' ' ! B +@
[MLM = .) ' A' &>+ B ' C ! - $ '8@D ' =(' <<P' " @' '
EG' $@, . -A' ' 3 B> ? @+ A2' D @AD@D' >- ? ' &@C A' A @ Y
+-C 2' AD' C@+ GA@+B' +B@ C' -J A -A 2' B B' D @C A.' A' ? AG'
J- A+ ' C- ?' +B@' >CU@ 2' C@' D + A.> B@D' A' +B@ C' ! @ + ' EG'
+@ C ? @ ' - ' $ 2 ' AD') ' ' 0 SMMK' B ' C 0' 0'
& - $ '' - * 0 A ' S ' ;OQ' B@' ! B ' C@-JJ- @D' EG' +B@' ! >EY
*@ + ' - ' +B@' B-,@' #++- ? A' ? J C@2' ' +B@' ? - +' B@C@+ ,'
- ' ' - ' +B@' C@ + ' ;MKQ' ' 3 . . ' +C2' '& > ' $ (; ;'
;NQ' B@' &@C A ' ,,' +B@ ? @, @ ' ! B 2' E@ > @' +B@G' +B AU'
+' @A->.B' +-' -,,- ' +B@' - ? ? AD ' - ' +B@ C') ;QPL'
' 8 ' $ 0 8;QMO(' ' ' ' ;NM B@' @ +' - ' ! B ' AY
,>D@ ' +B@' &@C A ' AD' - ? @' JC A @ ' - '+B@' AD @ 2' B-' C@'
-,,- @C ' - ' ,2' B-' C@' , -' D + A.> B@D' EG' +B@' A ? @' - '
D@, B ' ;QP< E ' $!' 0(' & 0' ' L=' B@' + -'
B @ ' @ + 2 A ? @D') ' ' ' AD' $ "(' A+-' B B' +B@' 3 -B ? Y
? @D A ' C@' D D@D ' ;QP)' ' - ' "& - 0' ? ' $!'
&' ' 0' ' ;O< A' -A+C D + A + -A' +-' +B@' ! - -A 2' B-' A'
+B@ C' JC G@C ' C- ' +B@ C' B I D ' -A' +B@' ,- @C' J C+' - ' +B@'
EC@ +2' +B@' ! B B 'DC-J' +B@ C' C ? ' A' +C .B+' , A@ ' ;KSP'
. 1 ' ' $) 1) !' 8[K=O(' ' O)< B@' ! B@@ B ' C@'
? -C@' D ->A+@A A @D' +B A' AG' -+B@C' C@, . -> ' @ + ' ;KOQ'
B 7 ' $ 0' &*& 0' ' =KL' B@' ? - I>@' - ' +B@'
? ?' " - @ A2' -' B . B,G' C@ @C@A @D' EG' +B@' ! B B ' ;KLN'
= Q ' ' (' - ' % ' - &) ' ' I ' ;=;' 7 ' ' '
! B@@C2' 'C@, . -> ') +' -,@A+,G' -JJ- @D' +-' +B@' ! >A ' c _]
" ' " ' (' $ $E' ' 0' ' 0' V ' 0') 0' JJ ' LNP' B@'
@ C+B' 'B@,D' A' >J@C + + -> ' @A@C + -A' EG' +B@' 3 >B ? ? Y
D A 2' @ J@ ,,G' +B@' ! B@ BW ' ;KKL' ' , " , !0' ? (' 4 '
P<L S' B@' ! B T ' @C@' D D@D' A+-' @ @C ,' @ +
O ' $ 10' AD' $ B0
;M<K' - ' , (' ? 0' ' $ ' 'C 0' ' ' O< " ' ! >E + +>+@'
B@C@' ' '%B ' 3 - - C ' ;K=;' . 1 ' 0' ' $ ' '
' 2' P<' B@' @A+B> ? ' - ' +B@' A + -A' -C' +B@' ! B ' C@Y
, . -A ' 4<NL' ' ' ' ' ') ') &1 & (' ' 'LLQ' O@ A.'
- ' +B@' ! B B' @ +' - ' , ?
! B E E - ,@+ ' 8: E8.@)(' 5-C ? ' =' 8B(@E- '
,@ B 2' M2' Q' B E- ,@+, 2' Q' B EE- ,@+B 2' Q <' B E- '
,@+B 2' Q ' B EE- ,@+B 2' ^ ' "@E ' 11 G! :
A' +B@' >,. +@' +C A , +@C +@D' , 1&! 0
B@' 7 -CD' - >C ' +B' +B@' @A @ 'T@ C' - ' - ? '" AD' T' +C@ ?'
A' ,--D' 'C A' +B@' J .@' A- ' C@ @CC@D' +-' +B@' 4 4 ' AD'
>,. +@' . @' +B@' -C ? @C' C@AD@C A. ' ? -D' - ? ? @A+ +-C '
JC@ @C' +B@' , ++@C2' / A' +B@' .C->AD' +B +' -A' +B ' @ '+B@' @,@ + -A'
- ' +B@' -CD' 'A +>C ,,G' ->A+@D' -C2' ' +B@' , >. B+@C' +--U'
J, @' T' +' +B@' -CD ' - ' : -CD A' 2 % ' . ' X ,
' B@' "@EC@ ' -CD' > @D' EG' : @JB+E B' ' ' +@ + '
-CD' EG' B B' +-' D + A.> B' +B@' ,@@ A.' JBC ? '
+@ ' 8 B- ' ->,D' A- +' JC-A->A @' +B@' +' C- ?' B '
- A' ? @A' +B@' ,@ D +@ ' 8:>D.@ ' S ' = M(
;LKL' 9 . 6' ") 5 (' 9' B@ ' U D@A' BG ? 2' ! @G@' +B AA@'
! @E- ,@ B' 8;PLP' 3) . ' ! B E- ,@+B2' SWSS' ! B EE- ,@+E,

>+J$

+B@' B B' A @CD@2' ! B@E- ,@ B' ^ ! ! B@E- ,@ B2' 4PLP' ! E- '
,@+B2' ;MS;' ! EE- ,@+E_ ' $%>$' = . ' $ - &'' OK<' A' +B +' -C@'
E ++@,' B@A' - ' ? AG' DG'D' 7 +B->+' $@JC @ @' D*>D.'D' +-'
D@ +B2' 5 -C' A+' - ' @,,' JC-A->A A.' ! B EE- ,@+B ' ;K=
. 1 ' 0' ' $' ' QL' ' - ? @' @AD@ ->C@D' +-'
-A @ ,' +B@ C' B C +@C2' C@ ->C @' ' B D' +-' ' +@ +' , U@' +B@'
:@ B' ! B E- ,@+B
/ ' $ ' %(' ' ' -CD' -C' ->AD' B B' ' J@C -A'
' >A E,@' +-' JC-A->A @' -CC@ +,G ' ' -CD' > @D' '
' +@ +' -C' D@+@ + A.' -C@ .A@C 2' -C' J@C -A ' C- ?'
A-+B@C' D +C +2' EG' +B@ C' JC-A>A + -A
;MPK' . 3 .) ') , . ' $ - * $ ' 'S9' B@G'B ' ' ! B EE- '
,@+B' +-' D - @C' +B@ ? 2' B@' B-' JC-A->A @D' ? & ' AD' $2 '
-C' ? $ ' AD' ' B D' B ' B@ D' , -J+' - ' XMM-' - B . . '
5 ' &' - * !0 SSS ' +' ^+B@' -CD' *$ H ' '
B E- ,@+B' +-' ' B ,D' ' +-A.>@2' B@C@ A' +B@C@' ' ' -A ,>@A @'
- ' B CD' -A -A A+ ' +-.@+B@C2' $' SMM '] ' & (' 5'
8;MMO(' ; LLP2' 0' ' ! B E- ,@+B' >A+-' B ? 2' B B' B@' ->,D' A-+'
@ ,G' JC-A->A @ ' ;KLQ' m ' : ' & ' 2' A' ++@ ? J+ A.'
+-' +@ B' B ' - ? J A -A' +-' >++@C2' +B' +C>@' JC@ -A2' +B@'
B EE- ,@+B' !) (' , B B' ' +B@# @, -C' ' , ' ;KML' ' 8 R
') ' &! ' & - (' & ') !$ ' 5* 0' 0' * ' ' E@ +'
B EE- ,@+B' ' @ @C' B +' >J -A' , G' A' +B@' JC-A>A + -A' - ' +B@'
-CD' T' E@@A' ' ;KQL' . ' C 5!&!0' ' (' & ') ' e' ;LK' 8@D' O('
[L< B@' " ' +B' + ' + - -,D' ,>@' ' -A@' - ' +B@' ? - +'
B C +@C + ' @ +>C@ ' - ' ->C', A.> .@2' AD' ? -C@' +B A' AG'
-+B@C' +B@' ! B EE- ,@+B' - ' -C@ .A@C
E ' ' J@ >, C,G' - ' JC-A>A + -A' -C' @A+' AD Y
+ @' - ' ' J@C -A' ' -C . A
;MML' 8: ' ' V' !$!!) - ' & ' 0' & - 2 !!' ;OL' B@C@'
@C@' , A' ^ +' 7 -C @ +@Ca' A' 5 @,D' AD' A' - F) AD A'
J>C > +' - ? @' LNNN2' AD' - ? @' KNNN' + U@A' JC -A@C ' +A' @ @C ,'
J, @ 2' ? - +' - ' +B@' A ., B' @ J A.' EG' +B@ C' ! B E- ,@+B '
4QN4' ' - ' E 1& - ' ' ' 2' ;LM' B@' %- +- ? 2' ! *CJ ? @ 2'
A.> .@ 2' AD' 3 AA@C 2' # ' ,,' +B@)' + -A 7 B- @'
$@, U B ' ,@ +' ' ! B E- ,@+B' >J-A' ->C' -A.>@ ' OG' B B'
' G->' ? G'D + A.> B' 1 ->C' $- ? A ! S#A / A B -C ? A'
A .,)' 4Q<Q' ' , " , !0' ? (' 8@D ' L(' 4 ,,, ' ;SO ;' B@'
- ? ? -A ,+G' ^- ' -C+B> ? E@C, ADa' C@ 'C@ ? CU E,G'D + AY
.> B@D' EG' 'U AD' - ' 11&! ' -C' 2 ' ! (E@ A.' 'J C+ >, C'
G' - 'JC-A->A A.' +B@' ,@++@C' (
' !&& !"T' ' > +- ? 2' , E +2' ? -D@' - ' DC@ 2' -C'
+E@' , U@2' B B' D + A.> B@ ' ' J C+ >, C' , ' -C'
@+' - ' J@C -A
SK-M ' ' B ')! '$' 8@D' (' ;<O' %> + CD' AD' JJ,@ J @'
' +B@' ! B EE- ,@+B' EG' B B' * '' ,D@C ? A' ? G' E@' UA- A'
;KLQ' > ') (' % ' ' ' 8;KMO(' =N' B@' J-C+ ? A' '
B--+ A. DC@ ' ' ' B EE- ,@+B2' B B' A+C-D> @ ' B ? ' , U@'
+-' B ' >J@C -C 2' +-' E ' @,,- 2' AD' B ' A @C -C ' ;KKP') 7 '
C$ &, !) ' ' C ' !&* ' ;N' B@' A@ ,G' ,@D .@D' @ I>@ +C A' B-'
? U@ ' +B@ ?' ^+B@' A ., B' E>A+ A. C .' AD' C-Ja' E ' B EE-Y
,@+B2' AD' B- ' D) ' ' E D' -C ? ' " AG' D@ U> -A ' >J-A'
+B@' C- D' C- ?' B +' '@ ? A@A+,G' A' J, @' , A@C' B->AD ' ;<NO'
. ' A' ' , " , !0' ? (' 8@D ' ;N(' VQV-:: ' K;< O' "& * ' $ ' '
' ? ' ' E@ ? @' ' U AD' - ' B EE- ,@+B) ' C +@' - ' A + Y
+ -A' A+-' +B@' +C>@' J -@+ ' >,+>C@
B (' + B -CD' -C' -C ? >, ' D- J+@D' EG' '
J C+G' -C' @ +2' 1 "' B B' +B@ C' DB@C@A+ ' -C' -,,- @C '
? G' E@' D @CA@D2' -C' +B- @' A-+' +BDC' -,,- @C ' ? G'
E@' @S ,>D@D
;MLK' I ' (' 2 ' <& * !' L' " ' V, - @C ' @ I >@ +C A.'
+B@ ? @, @ ' +-' > B' ' @C@' +B@ C' - A' G2 ' . @' +B@ ? @, @ '
+-' ? C+B' AD' *- ,, +G2 ' ' +' @C@' +B@' -A,G' ! B EE- ,@+B'
B@C@EG' +-' E@' D @CA@D' C- ?' +B@' ? @C E,@' @. , + ' +B +'
B@,D' ? ->CA A.' AD' -CC- ' -C') AA@') ' ' '
' C 0' ' ;NQM 5-C' +B@ ? ' E@ +' 5-@ ' ' D@ D,G' ! B EE- ,@+B'
D@ @' 0G' B B' >AC .B+@-> ,G' +' ' D@ C@@D2' B +' A-A@'
+-' C> +2' -C' &C- +' B->,D' > @@D2' 7 B- ' ->,D' A-+' ,,- '
C +' ' J-G -A-> ' U@D' 7 @@D ' $>>$' 9 . ' - (' S, '
7 U ' ;KO< ' ML' O >+' B@C@' ' +B@' B EE- ,@+B ' ' ? A' EG'
A +>C@' ,,@D' +B' ,,' ? AA@C' / '@ , ' ,,- ' +B 2' AD' G->'
C@' -' C' ' %BC + A ' / @AG' +2' AD' G->' BC@' E>+' ' "@ +B@A'
+ ,, ' $>$ &' 8 1 ' 0' &' 2 & ' L; ' 5@E 2' B@' ? @C@'
B EE- ,@+B' - ' ' J C+G ' $ +0' ' $ - 0' 0' 8;K<=(' ' '
;=M' 9A @ ' AD' - - 6 ' A @A+' + B -CD ' AD' B EE- ,@+B ' +-'
U@@J' +B@ ? ' ^ T' B-A@ +' ' J@C -A a' C- ? ' - ? A.' +-' ' *> +' >AD@CY
+ AD A.' 4KMO' : ' . ' ' (' S ' =O=' B@') @ '
+C @ ' +-' @ ? A J +@' +) ' C- ? ' +B@' @++@C ' - 'J >+G' B EE-Y
,@+B ' [KQ=' " ' $ ' .) ' "& '' ? $ * 0' ' e' L' L<=
%BC + A ' @C@' C@ DG' +-' A +>J-A' +B@' A @A +@' ! B EE-Y
,@+B2' T' S @J+' G@' E@' % C > ? @D2' G@' AA-+' E@' @D
/ ' @' ? -D@' - ' J@@ B' D + A + @' - ' ' JC-Y
@ -A2' , 2' @+
;KL<' X ' ' 0' & '84KL4(' 'OL;' ! B@' B ' >? @D'
+B@' . CE' AD' @ @A' +B@' B EE- ,@+B' - ' +B@' @ + ' SK) ' = R
B . ' (' ' 0' ' =NN' - ' +B +' A + ? -A -> ' * C. -A2'
B B' $ 'B ' B EE- ,@+B2' ' -JJ- @D' A- +B@C' * C. -A' A- +'
,@ ' E >CD ' ;KK=' < $* ,' OP' # + ' =LQ L' " -+' . @A' +-' + ,U'
+ E,@2' ' ' +- - ' - +@A' +B@' @' +B' C A.' ? @A2' E>+' J>++ A.'
- '+B@' B EE- ,@+B' - '+B@' +>C ' +B' B 'C @ ., @ '
! B E - ,2' -E ' -C ? ' - ' .
;P=M Q' $!0' ' , 0' , 0') 1 ! '' 8;KK<(' ' J@C -A '
B@A -C+E@' B ,,' G6 WB E- , 2' EG' ! A +' 3 B@, ' E>C B@2'
! B E - > U 2' C A+' - ' B
4K=L' $ ' : 'K 1 ' " 0' ! ' (' 0' SS ' LNL ' --A' ->AD'
+B@' E >CD +G' - ' U,B .' ? ' #C @A+ ,' +-' E ? D-A' B ' B E->U
! B @ @C ' 8:D -*(' , -' -B, -@C2' B @@C ' ^ ' '
, ' T' +-C2' J@D +-C' ' B@A @') ' ' E@, - :
' !$ ' 0 ' -C+B,@ ' J@C -A ' , -') P!0
8 ' +C A ' C- ?' O(' ' @, B@C2' D@ >,+@C ' '
;KP< & ' > ' !$ ' ' 0 OOQ' , (' ' ? @ A' '
B> ? E>.] ' J@C -A' ;) N' ' @ +B@C' -C+B,@ 2' -C' ,,' A-+'
-CU ' 4KKQ T' ' 1 6B . ' ' $. ' ' '' ;LP' ^ @ ' [@ , ADa' '
? A' A' +' T >J' +-' +B@' ? CU' B@' ' ,,@D' T ' C@.>, C' B @C''
;K<M A' ' I ' = ') $!' ' T' ' ' / -A' +' + U@' B '
E@+22' B@' ' ' C@.>, C' B @C ' ;<NM . 3 ' % ' = . 3 ' &)!'
$. 'S' +' ONN 'C @ ->C @' AD,@C' -C' @, B@C' ' J-U@A'
- ' ' ' T' B @C' g
/ ') $!0' A' >AJC-D> + @' , ? ' -C' ? A@
;KPW') ' 8 3 @,E->CA@(' ; <' : A ' 9 ;(OON' @@+' D . . A.'
A-' J, G+B A.' *> +' A- 2' +B' +B@' JC- J@ +- ' ' B @C' +' > B'
D@J+B ' ;KP<' 9 ' 8 . . ' 2 ' & ! [0 O ? ' 7 @' E->.B+'
'B-,@ B B' +B- @' B- ' -C . A ,,G' >AU' +' E D' D@+@C ? A@D'
>J-A' E AD-A A.' ' ' E @C ' XKA-' T $ ' O- -$ --A

' >' 'SSS 2 B@' !B + ' A' -,D' B @C' AD'
JC@++G'D@@J
!B -U,@2' ,+@C@D' ' . ' $0 1(" >A + E,@
8*, U : @U(' $!0 , -'KB -8U('
-U2 B + -U2 E . - 2 - -2 B>-U !B -UV
B B -U2 @+ 2 8!@@' ' ($!(0+ ^&@CB'
-CC>J+ -A' - ' . $,.'" A'T -JJC-EC -> ' JJ@,, + -A'
EG' B B' +B@' -A -A -C? + ' @C@' >,. C,G'D '
+A.> E@D'8 C A.@C'?& ((' (;QM<2 2
OO= AD) AD@S(a' JJ2' -C . A ,,G'> @D' ' ' +@C?'
-' E> @' -C'J@C -A' B-' @C@' ->AD' A-+' @ C A.'
+B@' > +-? CG' - U JJ,@' -C' JC .' -' - U' -A' +B@'
?-CA A.' -'$-G , - U'D G'8O<'3 G(' B B' 'B@A @'
,,@D' ,.3 $,.' $"0 A' -?@' J, @' ,.3'
$,.' JJ@ C'+-'B @'E@ -?@' 'A ?@' -C'+B@' - U'
JJ,@' -C' JC .' - ' - U' + @,

[illegible]

3!S@ ,@2 B@@,8,2 Q <' B@ ,2 <'
U ,,2'8 -U@>,2' -U>,@(2'K ' B @,'?0 M Q' -U@ ,D2'
Q' U@G,D2' U@ ,D2' K <' U @,D' ^ -C+B@CA' 3 '
$."' , ."' - ' -E >C@' -C . A

[illegible]

--D2 U@C -CU' - @C@D' +B' U A'-C',@ +B@C2@+ ' B@'
-C?'B ' C@D' .C@ +,G' A' D @C@A+' J@C -D ' AD' ->A+C @ '
+B@' JC A J ,'+GJ@ ' C@'8 ('+B@' C >, C' B @,D2> > ,,G' -A @S'

[illegible]

$ JJ, @D' +-' +B A. ' B J@D', U@' ' B @,D

3' 6 @D' +-'C@AD@C' # 5Z ,)' '+B@'A ?@' -

[illegible]

1 ('] ' /

[illegible]

/ ' ?& 0 Z 8!@@' I>-+' ;KNM (

[illegible]

E ' 8!@@' I>-+ (

[illegible]

. ' JJ, @D' +-' @C+ A' J C+' - ' A ? ,' E-D @ '

[illegible]

E ' N&&!(' JC-+@ + @' J6+@' - @C A.' ' J G+'

[illegible]

:$ %-?E A + -A

0' #E ->' -?E A + -A' ' J@C -A' C?@D' +B' -C

[illegible]

K ' 'JC-+@ + @' D@ @' ++ B@D' +-' ' @,D .>A' A'

[illegible]

' B@',- @C' C-A+' J C+' - ' 'J,-A.B) C@

[illegible]

, ! $' ' , ! $' ' , ! ' .)' 1(A ' [' , !
'" JM' .B$! $ ' ' % # ' L * ' ' * - 4
: ' $' 0 5 ' % 6 ' $ ' % 6 ' & * '
* - % 0 ' % 6 ' 66 ' ' % ' 6 ' &
' * % & % - ' 6 ' &5 % & - ($ - J Y '
' %-& Y

[illegible]

: # ' 5 ' L % ' ' ' L & ' , * ' %
$' 4=NN (&& ' 'OP< -D B-J' ? @ ' B@,DZ B ?@'

[illegible]

Q6- B' + ' [' % ' 1 (

[illegible]

' K '

[illegible]

4 ' $!(* --" % ' @ ' Y > ' 10 ; ' U UW%9 '
%L % ' % - 6 ' &'+B@ 6) ' &
%9 A ') D' 7 [' * ' , ! 1 ' %
L ' * - 4

' B@' ? ->,D E- CD' - ' ' J,->.B

[illegible]

! B @,D @ D' 4* +(6 *!' $0 ^ ' .)' 10 AD
' i' / a
' 0@ C A.' ' B @,D

[illegible]

E ' $ ((A'A ? @ ' - ' C -> ' A ? , ' B C '

[illegible]

/ ' 5>CA B@D' -C B>A.' +B' B @,D

[illegible]

! + @,D@C' 8: ,D (' ^ ' .)' N" a' #A@'
B-' B @,D ' 'JC-+@ + ' A-+B@C

[illegible]

! B @,D A .)' 8 DD .(Z 1!(1(^ *,C- a' B@'

[illegible]

! B @,D A ' 8:),D +*(Z * * !' $0 I ' .)' 0 i'
b a' B +' B @,D ' -C' JC-+@ +

[illegible]

! 3 @,D,@ ' 8:C ,D,)(Z $(Y". V')" A.'A-'
$ 7*d5' ,&) * -' 4;L;' - ' BG'E@J' B@,D,@' E-J' + @GA'

[illegible]

! B '@,D, S .' '&'$32 (^ ' .)'X' i')) a'
' JC-+@ +@D' J@C -A

[illegible]

! B @,D ? ' 8:CD?)(' &) (" (^ '
? D@A' CC -CZ A' ? X-A' 8OG' -?@' IA. '

[illegible]

! E D,-C U@Z' -E ' -C?' - ' .)
+' ! B @,DLC ' &1 ($ (^ ' .)' 10 '

[illegible]

! 3 @, A .2' , @ ,? .C' 8:)C +((' ,0 5-C? 'M
0 B @, A.Z @E@ ,, A.Z B ,, A.Z 8 @B@ ,D A.(Z
M ' Q @B@,, 6 .Z MZ < B@@, A.Z Q @-B@,8,(A.2
Q ' K .B@ ,, A.Z K B@@, AZ< B@@, A.Z B@ 6A8.Z
B @, AZ B ,, A.Z Q ' B@ , A.Z K ' B @, A.Z ^ '
! " 0 ' i'

[illegible]

%>?' " E@C+ +@' AD' C@, ' > ' @+' @AD' D-?-' @+' @ '

[illegible]

' : ' ' J @ @' - ' J +>C@' +-' B B' ++,@' ? G' E@'
DC @A' -C .C X A.

[illegible]

' 10 $

[illegible]

K' $ 1(

[illegible]

! B @C2' 3 ' !
! B @C2' ! B @C@Z ! $ $ ' $3(' 10
! B @C @ U@Z' ! $ ' $M 9'
! B @ @ ' ! $ ') ' 1(H')R+
! B @Z' ! B @CZ' ! $ ') ' 10 ( )
9 ! B +@C' 1 0 K $,$ ' , % (1' , % '
$ % ') 9' 10 ' L a' !, +@

[illegible]

! B @C2' ! $ ' , !
! B ,)C! B>3@' ' $ 0 K ' !2' !
POJ$ > $ COF 'CO$L' '
' 3 $

[illegible]

! B A@Z' -E ' -C?' - '
! B +'0666 .' 10 G / ' 5 L' 2!6 ' ' 0 ' ,(+'
@!662' ' @E6 ' ' @!6 ' ' @E6 ' @E6 '
0 @! ' @ 6 ' ,(2@ !6 .' M ' @!6 ' ^3

[illegible]

Q J0 (o' NM_0% 2 ' 3 1/) $' ,0 &
02 1

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

A' J, G A.' +B@' -, A' -C' -+B@C' A +C>?@A+' -'

[illegible]

/ / ' -' ? - @' GZ' +BDC Z D@J C+' @ J' +-'

, J' - ' >A-E @C @D' - ' -A,G' +B' 2"(

[illegible]

E' $2(# ' A'@ + +@' -'J '$2$"' C-?'-A@'

- A@C' +-' A-+B@C

[illegible]

! ! ') ! ./$0' K$ ' '1'*

' % J E,@' - 'E@ A.' B +@D)'C@?- E,@

[illegible]

B ?' , D +-A@ '1 @,' - '+C>+B' @@?@D'+-'B @'? AG' B' +'

E,@'E-+-?

/ ' E,@' +-' B +' -C'B ? @, ' ' '&', 3) (

[illegible]

? '): +3(Z**!0'$0' %0' 'OX0' '* ' '

A' @A @ ' - ' +B@' @CEZ' '# ' ' A U@' ' B' +' B

B A.@D' + ' U A' # ' ' B J' 'E ,, +' -C' C.-'8 @@'

" $ %_MR.$

[illegible]

: O)@= ./A0 1 0 5,0' $!0'= 0 ' ! $ ' +(

K$ ' '1'* ' ' $' 0' G ' 3')'

[illegible]

.$ ' ' ') ' $ $'% Nb.$

[illegible]

"@A @' ! B +@A A.' 1!0' 10' ' B A.@' - ', A@A'

[illegible]

! B +@C' 8: + (' ^ ' 6 ' ' i

' #A@' B@' B>+' - ?@+B A.' 8 A' AG' @A @' -

+B@' E (' ' @A@ B +@C

[illegible]

H / ' % '2"' '1 / ' $

[illegible]

'K' #A@' B-'C@ -C+' +-' J@++G' B +' -C' +C U Z -C

B-' JC + @' C+ @' A' D,@Z +BC +,@ ' @,,- '

'+C U +@CZ -X@A@CZ @+ ' , -' +B%& 0' 1 0

[illegible]

E' #A@' B-' > @'@ @'C@ -A -.

[illegible]

@C@' B +@C Z AD' "@C@+ U@ ' ;M=K'# '?!' '<) ' '

[illegible]

'!' 6H $) 0 8!@@' I>-+ (' 1 0

[illegible]

. ' ' ' (8!@@' I>-+ ' ;K<=Z ;<NM (

[illegible]

M' ,, T' ' -A+C A @' > @D' -C B +A.' A'

? AG' JJ, + -A Z @. ' ' U AD' - ' ,>+ B' @C A.'

[illegible]

8 @@' I>-+' ;KQP(' '

[illegible]

!,, 6 ') ./ $0' $ 0 ^ ' 10' i'

GG $L' ' 3 $

[illegible]

, @A@@' ! U \ 6A@

[illegible]

2') ./ $ *0 K$ '$01'* !' ; .

[illegible]

! B + A.') ./ 1!0 10' K$ '1* :$

% ' # ' * ' D -AZ B A.@a

4: @D' -C' ' ' ->C @' - ' +B@' :@ B' JC @ +Y

B--D' 13

[illegible]

; $ G ' 3 !' '3 $

' %B A. A.Z ?- A.

[illegible]

E' B@' + -A'-C'JC + @' -'D@ A.'@SJ@D @A+ Z

-C' - ' C A.'@ -A ' 'D@ @Z @SJ@D @A+' A'

@ -AZ B + ' # +@A' A ' ' 1 0 -C' $!(

[illegible]

K@' AD' 10' ,M

;KNP' *2 >' $ 3 (;L;' % ' (+B@' C+' - ' @++ A.'

[illegible]

K' U %' ' B A.@' - ' ,-+B@ ' 10'

[illegible]

!' &- 10(B + A. E- CD ' 8 @@' I>-+' ;K=M('

' B + A.'D GZ +B@'D G' -C' B A. A.'-A@' ' ,-+B@ '

-C' >AD@C. C?@A+' ' B + A. ?- @?@A+' $'Q

1) ! ' '8 @@' I>-+(' ' ' B + A. C--?Z A' +-C'

DC@ A. C--?

[illegible]

! B + A.' 8: ' + .(Z' * %!0' $0' ^ ' 6 ' i

'0 a

[illegible]

E' !J@ ' -,,- + -A ' B + A.' E U + G Z

E ,, +' 8 @@' I>-+ (' B + A.' E C' C ' ' (

T ' C- E C' C@?- E,G' D- @+ ,@D' A+-' 80' , $ T'

89A .B+' (' .0' ;KQP(' B + A.' @A+C-'f'

= ' B + A.' C @' $2('> @' JC-J@C,G'

[illegible]

! B +,@ ' 8* +, @(Z 8 ' ^ ' " V

: :' "@,J,@ ' -C' @, D@ @A @' - D' - ' >AA A.'

-C' C+ @' 1(

[illegible]

U A.' B'C@ ->C @' A J E,@' - ' B + A.' -C'

[illegible]

E' # ' + -A' ' AD + A.' B +,@ A@ ' A@ @

! ' 7 +B->+' ' B +' -C' B C+Z $ (

!B +A A .2' C' 1 7' "

!B +G' % +(Z ' ^ ' 6 ' ' i' 1 ,

' 5>,,' - ' B +' -C'@SJ@D @A+ ' @,' EI'+' -' B +'

/ ' 5-AD' - ' AD C@ +' -C' D B-A@ +' ?@+B-D ' D'

L ' %B A.@ E,@' -C' B A.@ >, ' @C A.Z $ 0

! ' %B A. A.' -C' B + A.' A'J- + - ' $ T

!B .' 8: .(b' 0 1 0 @S ' $!0 $ 0 A' P'

' ! E .C ?' % '.C ?(' 6 ' ^/ @C @D' C-?'

!B . B .2' C A+' -

!B ?' 8 ' X'?(' ^ ' # ' A' ' -C' B '

!B +@' 8: ' +(' ' , -' K !- +@2)' < !B@@ +@'

?@?E@C' - ' +B@' !B B' @ + ' , -' $ 10 -C'$ B0

" @A @' !B '+ - ' $0 ' - ' -C') C+ A A.' +-' +B@' !B +@

!B U C' 8 U >(Z 10 ' !&3 ' 0 , -' Q' U CZ'

K' E@U C' ' ^6CD ' 8 C-?' &@C A(' .$ %H

" >A+ A. ' J-C+' 8 B--+ A.' AD' B>A+ A.(' ' . ?@

E ' $ 10 AD' & - 10

! B U C' 8: U *(Z (^ ' JC@ a

E ' % $' 0 -' B>A+' 8 A' A ? ,(' , -' $' %0

! $ U C@@' 8JU (' ' !&3 ' 0 , -' B@'

B ++U C@@2' B@U CGZ')S@U CG@@Z G' ' ^6CD ' 8 C-?

&@C (' .$ (' .P ' @@'

J A @' >C-J@ A' J-C+ ?@A' ' ,> D@' -C' D'' 81> @(

E ' JJ, @D' +-' ' >C-J@ A' J-C+ ? A

' $ 10 AD' & - 10

' 16 ,D -2' ! ' , -' B@UB-2' B U- ' ^%' JCD a'

!B UU C@@2' @)' G2' C A+ -C?' -' !" 9 0

8 C-?' &@C (' 1 1 *$0]' ' !? ,,' AD A'B U2

!B , , 2' C A+' - ' . . 7

3 @ A A.' AA @C+ A' ' +B@' -A*@ +>C@' A' I>-+' ;KLQ'

!B ,D8@2' -E ' -C? ' - ' XD

!B ,DC@2' B ,D>C2' -E ' -C? ' - ' B.) ' 10

+!B DG) -) ' 1 0 5-C? ' ' -G,D 2' O' @ '

$ (/> ' ,)! (# " ' ,E! (,)! $' 83 " '

Q 2/ $ K+. 2' 1 $L'G ' $

!B ,' 8: ,(Z ;' AD' 1 0 $!0 5-C? '

!B 6@2' !FBG,,8M2' BG,,@2' B>6#2' = M' B ,8,2' P M'

'$ B0 ! -A-C-> 2' C@ -A A+2' BC ,,

O ' $ 3 ! -A-C-> ,G2' C@ -A A+,G2' BC ,,G

!B 62' 1 0 @S ' $!0 5-C? ' ' -G' " A2

" @A @' !B ,, A . **E' $0

!B ,' 8 ,(Z 0 ' - ' $!0 5-C? ' ' -G, AZ

B@A @' 9 '

i ; $ ' 0 - @J C +@ 1
;N=< 0 0 &'(8 3 ! %(2 # A _VG -A G,) A)@ C@ D @CD
A. G: -D@ S GJ - ? ,@2 ;L P (& '0 ;PO
>C U A.2 B + ? @A C . -D , B 6@ ;==N C & *0
C$ 0 779 ; ! BG,,GA -C ,,GA - +@ C- >ADGC2
&($%&$ $ - (? . 0 8 ! >C+@@ (ON +B@C@ E@@
AG)@@J@ +B + E@. AA@ +- C . . @ G- C@ +- ? U@ +B@
B@ JB@ CD B ,, +B@ ? ->+ ;QKK 7 " = . . & . (
,8) 2 - @ @C B@@J E *+- B ,, +B@ ? ;Q<N <
C & (<!& (8@D) O(
- >CD,@ 8 ? ,U (, - ' 0 +- E@ - ? @
>CD,@D C
$%O$ 3 ((& 2 8 ,$! 3 ,U +- >CD,@ +2
+- @J C +@ +B@ J C+ - + ;M<W : C$ (' D0
,- 2 !& 2 &3 $! A +B@ -C+B +- !& $! ? ,U
+- >CD,@ + ;QKK 7 ") = . . & (,, ,- 2
2 >CA A. ? ,, I > A+ +G - ? ,U A+- >CD AD B@G
E ,,@D B 6A. + ;KPL 1 " < !& 0% & $! & !
+- ->C ? ,U -C >CD EG +B@ > > , JC- @ ;KQM
& . (< & 0 !! " AD A +- >CD,@ +- > ?
! B ,, 2 ! AD A - C+B2 C A+ - . . $(
" B " - ' S-K B@ B ,, AD C@@ A.
C- + ;KQM G & . (<!& 0 ` . !! " @ +B@C +@C ?]
B CJ,G -,D
! B ,, +2 C A+ - . .
! B ,,@, + . ,, 5 - C ? 8Q ! B@
,@, (2 W B@, ,G2 B 6 ,@G2 K < B 6@, 2 M
B , , 2 KE ,, , 8B2 B ,,@, 8, 2 # ,) B2 3 ,,@,G2
,G2 , 6@ , , 2 K E6,@, B2 < B ,,@, . B
^ B@ A ? @ - E C-AG AD ,, .@ A %- 7 UY
,- a A C B >D.@, - E, U+B-CA -C - U
0 N?.PP L && ' 0 - * & (B@ $ @C!, A@ +B
+B + A-E,@ A@ + AD . - -D 7 - -D ,,@D !B@,),
?$, !& - 8@D O(;KL WE ,,@ UA-++@D >D.) E , a
1 8 # &) ' " $ (Y O G :@ 2 AD +B +
? A@ j " @S , ? 'D 2 .C J A. ?G B@, ,G NP)S & ' 0
) ! $ 0 E$! " A -) @A J, A.2 -C >D.@,2 8 CEB(
C- ? - -D - +B + A ?@ ? -> -C + - 9W
$ ' %# & ' (* & B !! !$ 7 +B B E JC .
- !B ,,@, B AD B ?C- U - . C@@A #@ 7 l
(C 0 . Q= " @ E- C@ B ,,@, . B2 +B@ . C- +B -
B - A @ + +@ N)DY $ & ($ (!(!@C !!
" @ E- ,+@D A+- +B@ E A D ? >C+B@C A" B ,,@,G A E
+ ! && 1 $! S 5 " B + A -A@ E AD
AD B E ,,@ , B A +B@ -+B@C
! B 6 @+ 0 2 ($!0 , - B ,, - +2 +2 B ,
,@ ++2 B@,,@+2 +2 B ,+ ^&@CB . +B@
-CD ? G . - E U +- A # T , ! H KK .
1(, - $ 1(
4QQQ A ' ($!0 0(!B@,,@+ ;K;L S B3 ,(
& ' " @C@ +B@ - , E - . - -D D@J+B >J-A +B@ B ,, - +
;K=; ! ' 0 = , 0 6 - !0 LPN O B@ @ C+BG , +@
@C@ A+@C J@C @D +B E,>@ B,,, + , +@ ;KP< = B R
!) $ S+ 8@D L(L== B@ B ,, + - %-CA ,,2 ;KQL
9 = . 3 . . V$ % ! & SS 2 !B ,+ AD B A. ,@ . , ++@C
-A +B@ E C@ +-J E- @ SKKM (& - & 3. . 0(
!! (0(D A+@.C +@D +-J , G@C &% +B@ / @ -A A , G
, +@ - - ? ? -A A 7 @ + ! - ? @C @+ AD -C+B / @ -A ;K<O
" 2 B $ 2 $ " X !(ON " @ . +B@C@D C- ? +B@
C- D B AD > , - , - - @ B ,,@++
" @ @ ! B 6 @+G $(8 , - !!& " (! " @+ (2
-A + A. # B ,,,@+
;K;L S B3 ,0 OL& ' O= +@AD@C ,- ? - D CU
. C@G + -A B ,, - ++G >AD@C +C +> ? ;KLN # 3 7
0 $ $ - * & ' ON< B@ - , B +@ C . 2 -C + E
B@C@ ,,@D2 !! " - , ;KKQ : 7 - B $ 3
) ' ' 5 - && ;K; # >C B AD B + U@A D A+ . @ - +B@
E ,,@+G . C- >AD +- D- >E,@ E- >+ . - -D D@ ,
! ,, 6 E@@C 8* " E6 (, - B@,,, E@C@2 CED@C@
^ ? @D +@C @-C. @ !! 1 (- B JC-JC @+-C
8;Q<Q ;KMM(a A ? @ . @A +- +B@ - ? A E>
-C - ? @ + ? @ +@C + A+C ! > + -A A+- -AD-A
EG ! B ,, E@@C A ;KO< + @B ,@ -A+ A A.
? ->CA A. CC . @ AD B@ C @ - ? E A@D2 J +@A+@D
EG ! B ,, E@@C2
, ;KL & ' A) $ 8;K<Q(5@E2 ==P 1 -> A %- ? @ +-
A- B C ? A +A@ @ ! B ,, E@@C2 ;KMP $ - 1(' , " 1!0 2
QO O 8 - ' 1) + ! B ,, E@@C -A @G A @ 2 B B -C
- ? @ + ? @ +@C CD @C@ UA- A . E 1 8 A @J +B@+
+ ,, A - ? ? -A > @ A @ 1-CU(2 @C@ - , C. @C ! U@ +B A
+B@ 5C@A B -A@ 2 CCG A. OO J @A. @C A D) AD @C@
DC A EG +BC@@ B-C @ EC@ +2 ! ((61 C C : A G
P L 7 B A. +- A % C AD ! B , E@C@ -C 6AD@C+ U@C
! B ,, A. 8: , l (5 - C ? - ,, A. 2 -G ,, A. 2
8 A. - (2 L ,, A. @2 L M -B 6 A. @2 = G ,, GA. 2
= P -B,6GA. -2 -B@,G . 8@2 B >a,@A. 8@2
B >,,GA. 8@2 = M -B6 A. 2 B ,, 2 BG6GA. @2
A. @2 ,, A. 2 = Q B ,, A. 2 P -BG* GA. @2
EG,GA. 2 B ,@A. @2 6GA2 P M E , A. 2
GA. 8@2 B@,,GA. 8@2 M 8D+@, A. 8@2 B 6 > . . @2
B@ , A. @2 BG,,GA2 G,,GA. 2 = B ,, A.
^% - ? ? -A @>+ #) !E ' ? f # 5C
. !! ' (. !! ' (, !! ' (3 / > , !! ' 8c / >
, . !! ' +(0 , !! ' 8 3 , !! ' (, ! ' . (
? -D , !! ' . (, ! (# " , !! ' (. !3
! ' . (, !! ' 8 3 " 2 , !! ' +(# . !0
! ' 3 8, -@, , . (! 2 / 2 . !! ' +(
- +B2 . !! # @>+ T . ! " &3 ' 0 D-J+@D A
! , . ! O!(A ! J 2 &C 2 5C ,$! ' 8;L+B
5 . $!! ' (? -D 5 , - !! ' +0 + , !! ' &0
B@ @>+ 7 -CD C@ @CC@D EG - ? @ @+G ? - , - . + +- +B@
C- - + . !!3 +- C@ ->AD2 C A. 8 @ . . $0 AD !+0 # +B@C
. A + +- +B@ C- - + T . !Y +- D D@ 8 B@A @ . .
. 100 . . 1((@+ (- ? @ B @ -A* @ +>C@D +B + +B@
-CD -C . A ,,G D@A- +@D -A@ - +B@ @ . ? @A+ - S@D @ . B+
A+- B B A C ? ,@+ - . - ,D -C + @C D D@D2 - +B +
+B@G ? . B+ E@ D@+ B@D -C >W@ ? -A@G A +B@ E , A. >
D- > ? @A+ - +B@ M+B @A+>CG2 - +B2 . !! -CC@ J -AD
+- +B@ ! - / 6 A ? @D @ , @C ? AG +B@ @>+ AD +B@
-S2

+ A -CD @C@ - ? ? -A,G > @D +- C@AD@C @ B -+B@C2 E>+ A
A. , AD +B@ -CC@ J-AD@A @ JJ@ C +- B @ E@@A -A,G
- -A ,,G C@ - . A X@D >A+ , -C ? A + ? @
B@ , >@ - +B@ B ,, A. A -A+ A@A+ , @>+ ->A+C @
B C@D) @ +,G + C@, + -A +- +B@ J@AAG AD +B@ J->AD
B , - C @D2 +B->. B D@,G @J+@D ,@ S J->AD
#5 ! 1 $ f ON B ,, A. -C &! f O=N J@AA @ -C ' $ 0
! @@ ! " O 2 . . 7! . . 7 I V
%$ A A. , B ? -A@G - ->A+2 A @ +B@ -C ? A
% - A I > @ + - +B@ ,>@ - ;O J@A @ -C) - J->AD
+@C, A. EEC@ +@D 8 f &!) 5 @@
.) B ID! -C ? @C,G , - B 2 B , -+B@C @
D@A- +@D EG +B@ . A +@C +B@ A> ? @C ,
O@ -C@ +B@ -C ? A %-A I >@ + +B@ ,>@ J +B@ B ,, A.
C@D A D @C@A+ + ? @ AD J, @ + P J@A @ A
7 @ @S AD = J@A @ A 3@C +B@ B ,, A. - ;O J@A @
? @A+ -A@D A + -J . @ , ;NNN ? G C@ @C +- +B@ -A+ A@A+ ,
&!) (
%<NN $ 2 & % ' e O 8 @E@C ? AA(<N % ,D E AA A ! C +@
> ? A B+ @ @ >, D 4 B + A@ @2 SSS ,, S@E@+@
, , - - J 5$ < $ - 0 8 [(O<M 5 J@A@) @ ? - @AA@
G,, A. ;O<Q $ < . B 8$ - ,, (QKQN - @ B@ E C B@ -
B@ -A ,, A. @ ? @ Eb S) Q B C 0 C 0 O S
;79 AG C@C@ @C@ ->DD@ V@C@ B * U@ G>@ B ,, GA. @
, 77 / < $ C & - 0 S L= B + @>@CG ? A B + @C@ E, AD@2
B>,D E >@ A % , ;=KL L $!&) L K 5- C +-
,@CA@ C@U@A@ O G J->AD@ 2 EG B@,GA. @ 2 EG J@A) ;PPM A
7 9@,,G & , !!!) % 0 $ - $ 8;KMP(;<= 5- C S G CD
- %, - +B@ + >C@ BG,,GA +B@ G CD@ -C +B@ 7 @G+ . - A@
SSS *) ;K;L 11 C$ 2 0 V ' & 2 !0 O; B@A L B ,, A.
C- ? ON B , ,@ >@ ;Q B ,, A. ;MML 1 ? $ " OQ 3 G2
+@C CD +- A@J A 2 7 B@C@ -A B ,, A. SK K " ' !(
& , (LM; ; B ->,D E@ ,, @CG) , @C@ B@ 8 -
. @+ E, A. ' -C+B -C B ,, A. SKKS 8 C $
) 0 ' (;=K # A@ +C D@ ? A ->,D @,, + -CD +- @,, +
-A@ J@AAG -C - ,@ A +B@ B ,, A.
E A ! -+, AD2 C@, AD2 ? @C 2 @+
BC->. B . C D> , D@E @ ? @A+ - +B@ - A . @ +B@ B ,, A.
! -+ 2 EG +B@ ;Q+B 2 -C+B -A,G D A) , B
;=KO $!" 3 ' , 0 C , ( ) 1 ! ' 8;KK<(L;L B@G +- ,@
B- D@CG+ B@,GA. @ =KK <; , , (($ 0 , & (
;MQ " CG A-E ,, . @ A -C +BC@++G +) B ,, A. +B@
J@ @ P=L% - ' , (, 0) 1 ! ' 8;KK<(=;L - +B@ 9@J@C@
- +B@ - , @, , - U@ - / >E, A ^+B C+Ga @ ,6 A. -
(1 & ' 0 8 3 +, AD %, >E(=PN & G AD B@ C -C
L@ C, @ ,,@ A B@, A. I B+ J@AA@ 2 SO) (. & 1 " (
8;Q;L(LK< B@ &C-J-C+ -A E@+ S+ +B@ A. , B AD ! -+ B
&@AA) ! B ,, A. AD &->AD 2 +B@A 8;N , X (*> +)
-A@ +- S2 E>+ E@ -C@ B@ 8: ? @ a ? @ A+- A. , AD2 +
*> + $ >E @D PN +Bb+ +B@ A. , B &@AAG @S +,G
+B@ ! -+ B ! B ,, A. 2 ->C @A+GJ@A @ +B@U &->AD ;K<;
') " > ($@ U-A A. EG +B@ B ,,, B. + ,, A- +
>A - ? ? -A A - ? @ J C+ - +B@ 6A +@D ! + +@ 2 @ J@ ,,G
A C>C , @ A. , AD
!! ' $ % Z . !! ' & % &$ H @@
< $(K @2 < (
L<W B 5 $, , 0 & ' ' 0 ?) , & 0 8;KQN(=NK
>@A+ @ E,, " A. . C@ ++ 6U E CC@,, B@ C
0 6 $DB A. @D ? 8 -
$ [LNN !& 0 % ? ! (;OM 8% ? E 3 ! (AD JC B A) +@
. @ + A. @ " @ L B - +@ A B>ADC@D @E 6 ? . @ S.
(& ' 0 ;=; B@ E@. . C D +B -CA . A B ? +- 2
AD +- J +B C -C B ,, A. ;= - $ PO= ! B@ * EG ?
-C :V + +GDGA. @ C-E@ AD - C+G EG,GA. @ ;PO; O
! ' 0 ?) , 0 8;KKQ(;P - . @ ->C B ,, A.
G@ C G +- +B@ D@U A - +B@ ? , + ? @A ;QPd : 2 B
& - C & , 8@D # + +@ ? 2 -C@ B j32 ,@2 + ,) @ B ,,
E@ J ? +- B ? > C)) -) S ! B ,6A.
$ 6 @D A @ ? JB + -C CB@+-C , + +@ ? @A+ 2
B@C@ -A@ B@ +- E@ >AD@C +- -D D@, E@C +@,G
C@ U-A A. -C ->A+ A. -C @ @CG +@ ? 2 B- @ @C
? ,,2 - . @A > ? -C @SJ@A @
< ' 0 $ 0 MPQ ; B @S ,> @ &C ,@. @
AA- + E@ + U@A C- ? @ +B@C - +B@ ? 2 + ,, @ @CG ! B ,, A. D>@
+- +B@ ? EG +B@ &>E, U E@ J D - ;QKO 3 B
, ! $ 2 " @ JC " @W+ D B@ ->,D J G G @ @CG
B ,, A. B@ -C+B2 C +B@C +B A +A@ > B A*> + @
;K;P 9 . . 7 A >C * (8;KLK(4 =PL ,, A- +
@A. . @ +- J G -A@ B ,, A. ? -C@ +B A +B@ @SJ@A @ C@ ,,G
A >CC@D EG " A- @C S P . . 1 ? ! & ' 0 <
@CG B ,, A. J@A+ A +BM E- > @D D + > ,, + @, @ J@AA @
-C+B - -CU
/ , @C - A - +B@ ,>@ - ;O J@ @ 5C +
>@D EG " @ACG " 2 A ;P PL
$;P L - & ' (> 8;PLL(OLL A +B@ -C@A ? @D
J C,G ? @A+ ^- ;PN=a ECD@GA@D A@ -GA@ - G,>@C2
. C- +@! (B , . C- +@ 2 \ WEG,,GA. @ +B B , @ ;P=<
' (1 %0 2 (8 CE (LP 7 @ B >@ A- @
JC@+G , +, @ B ,, A. 2 A D@D@ @CG JC@+G@ -A@ ;ML<
9) * (? . 0 , L< U@ - ? > B - +B ,,
, @ -A B ,, A. A AA @@D +@C + A. MQK B .
) >C ! + ,, ? -C-> 2 AD -AD2 AD O ,, A. 2 U@
&B , J AD 3 CG -A ! B ,, A. ;Q<< (6 ' !0 (;==
A@ I > C+@C - . C A 7 > @A+ +- JC-D> @ . - S,
E, +@C , C. @ B ,, A. ;KPQ ' B7 [& - ? & 2 ' '
: 2 -A@ B ,, A. A B EC@@ B@ J- U@+
E2 7 +B D@ A A. -CD AD + A. J C+ >, C
- A . @
$%OO (. I I I 0 1 0- 0 L;L , X E@+B > 'D
AD@@D - ? @ C B ! B ,, A. 8 ,, 'D " CJ@C) (+- E@ ? D@ -
E @C U AD +B A +B@ A. , B2 - +B + +B@G > > ,,G J 'D
-C A@J@A @ B@C@ ;QSO) 0 & 1 " 0 8;Q;) LMP B@
& - C+ ,> @ ! B ,, A. ^ @@ B . . 10 L E(;QSP ! 8 . .
$ " SO ! @J+ 8;KKO(PM @ 3C ! B- C+ ' D > . B+@C
@ A. , AD ! B ,, A. ;QM=) 0 & 1 " 0 ;L ^ -+a
ON; -CD O ,+ ? -C@ ! B ,, A. 8 &C- - ! S J@A @ A %- JJ@C(
AD L @ A. , AD ! B ,, A. SKM- . 5C - 0
8@D L(2 !! ' (+B@ A) @ . @A A +B@ ! + +@ - @ 1-CU2
+- +B@ ! J A B C@ , A +B@ A@ . BE->C A. ! + +@ + C@Y
I >@A+,G ,,@D 1-CU B ,, A.
% % % $! % !! ' (D) $ 3 !! ' (>D-C - A
- +B@ ,>@ - MD A : LD C@ J@ + @,G
;PM; C & 0 ? $ & ' " ;P - 2 B@C@ B ,E@ ?
? @D +,G -GA@D A A@ +@C,GA. ? -A@G 2 B , @ G,,GA. @
- S J@A @2 I > C+@C EG,,GA. @ - +BC@@ J@A @ +B@ J@@ @2

AD B , @ J@@ @ +B@C@ - ,,@D +BC@@ B , J@A @ ;M<P
M - ' (! & ' PN " , B ,, A. 2
C- + 2 F> C+@C ! B ,, A. 2 " ,) C- +
D ! !! ' (%-EE@++) A ? @ -C JC-J- @D
, @C B ,, A. - -A D@C E,G C@D> @D A+C A
,>@ " @A @ > @D EG 3 >, G A C@ @C@A @ +-
? , C JC-J- , A ;M<P
;KOM %-OO . ! " 0 Q # + <= O B 3+G 8 7 -CY
@ +@Ca2 -C +B A@ . BE->CB- -D2 + ,@ +2 E@ A. +B@ E C+BJ, @
- B + B @ ,,@D2 +B@ T ++,@ ! B ,, A. &C- *@ + AD
3@ C + - -D AD ! J- -A@C E@ A. +B@ -C . A +-C - +B@
JC- *@ + KPP = B . 0 ' 0 SS M=N 3 -A+ . >@2
+@C D@ @ + A. 2 +B- @ B- @C@ -C +B@ , ++,@ B ,, A.
i L 6 @D2 +@C &!) (D@A- ? A + -A
- @ . B+ f) - J->AD 8% ! # 6 / 10 + E
, (B@ @ . B+ - + @, @ , @C J@AA @ 1 (
@S - - - $ 5 0 , 0 O=N) @A ? - ! G @ GC+@ J@+C- @
, A@ GE@ ? X@, D> +2 A@ ,, A. @ S) E+@ $;=NN A
, 0 , C$ 0 8;K==(MQL J@ J>AD A 9 A. / > D D G
@G + 4 4 B ,, A. - J@ J>AD +- @G A ,>@C
SS B ,, A. AD * +@C, A. J@A * ;P=L +C $ 0 ? $
! P; ' ((e 7 B@A I > C+@C - B@ +@ - ,D@
-C S S, +B@A +@,, EC@ D- @C+BGA. @ B ,, G " "
AD S ^-C . 5 ! 1 $ 5 , - &! & 0 ;P<M
,& < &) ' 8 L;< B@C@ -C@ B@C@ EG B ,, A.
G-> ? > + AD@C + AD ON) J->AD @ . B+
! 6 @D +- C@AD@C -C C@JC@ @A+ +B@ A ? @ -
C -> -C@ . A ? -A@G 1 (
&) 1! !! ' (/ >+ B ,-C A -C . > ,D@C
' %0 <& * 0 3 ++ SS / S@ @++ -AB ? C ++ B
D,, A. ^ > , . - $ $ ' &]( ) >U@ S) < 5- C
+ -A AD) + ,, A. 8 > , . $ - $ -] @+ -C,@
CS - - - +&$ 5& 0 SS LO ! @, +@ B ? E, -CD@ BCB,) V
, A. @ - , C@ ^ > , . ' $, !& $ ' & - ' & $1 H0
, ;NPN A 7 C 7 > ,) @C =MN ;Q 1 !) 0(,, A. , ;NPN) * * 0
! < !& (E D ;KL O;) - - $(G,, A. NSOOP
' , (0 L<K - B>ADC@D D@ H " 0 0 B ,6A. @ a - @ -
,>C@ $;LNN) & 0 MQOO BC ++ B , A. - ,>@C . A
! , ? A . >@ HL , -CD +- ? @AD ^ S-D SS LOa ;Q== 3
1 % (;=N B ^- +B@ - @C a . @ ? @
D->E,@ ! B BA. ^ @@ . . 7 I $S>%) ! 3 CA
0 0 LO B@ 5C@A B -> -C B ,, A. JJ@ C >J-A
D @C@A+ - -A +- B @ -A+ A@D @2 + @, @2 + @A+G2
-C+G2 AD -C+G @ . B+ J@AA @
. A C -> JC- @CE , @SJC@ -A 8 @@ I >- + (
;P=M : ' 8) C & 0 ;; 8;KMQ(P= " @ ? U@+B B
? C+ +B ? C B A+ , U@,G2 - ECGA. E ,,GA. +- S
J@A I > U@,G ^% V 10 NE a ; GG (,
' & ' G ,, C> =B@ % CD A , -A,G B A. @+B +B@
&-J@ B ,, A. A+- @ @ J@A @ KO= $) ' !
-B 42 " @ ,, - ? @ E U . ? A2 , U@ +B@ ,, B ,, A.] B@
A- + +B@ -C+ - . @ C +B + +GA@ SK M] && &, . S2 " CU
G@2 . - -D @,, - 2 ` ,, E@ +- -A +B@@ B ,, A. @+
AD B ,, A. DCG +B- > , + . - E U +B ? @
E & ,) & % % G2 $!! ' (@@ B 0 PP
;QNN - * B & ' $ ' &) * ! B =L 7 B@A D @2
' , , @ @ B ? +B@ 5@@ ! ? J,@ - JD ! B ,, A.
5B. $ " $ " + OQ , D AB@C + B ?] -A ' +
,@ @ B ? . C- +] &, , > + B ? - UE B ,, A. 2
3 & . !! ' (V ' > -C 8 A +B@
C@ . A - + - C (A) ' > !! ' (+- @A, +
- , D @C EG @J+ A. B ,, A. C- ? C@ C> + A.
- @C 8 JC + @ A- D > @D(
;QNQ ' & !! , (OQ 3 C 8 # " ! (O " @ D D + U@
E ,, A. 2 E>+ A- + +B AG A+@A+ - ;KPO K
$ 1 - & ' , 2 # A@ @,, - * , +@D EG B ? +C@ 2
AD +- - U +B@ B ,, A. A D@ J C SKKM -
2 +- - U +B@ F>@@A B ,, A. 2 AD 3 ? @ -CD+@C
<N; , & - $ ' = 3 + K S -A+ A. @A+ N; - ,>A+@@C A. Y
A@@C -CA A -C @C @ A ! ->+B C B ? A
JC@ @A+@D2 +B +B@ 9 A. ' B ,, A. 2
+ D 8 ! @@ I >- + ((
# ! 0 0(B@ !! ' 0 JE @ A
? , C > @ ? -A. C ? G EC-U@C 2 +- @SJC@ @C+ A JC- +
-C J@C @A+ . @ B B +B@G . A A +B@ ,@2 J>C B @2 AD
@S B A. @ - - ? ? -A
M $ 1 ((+B +B - @A @ T - +B@ JC @ -C ,>@
- B ,, A. 2 T -C B B B ,, A. B C. @D -C
D>@ 2 . !! ' $!! " (& ' $ " (* !$, (* & '
8 A . ? @2 B@A @ !! ' 2 (@+ (2 $ >(
E 6 . DC@ D > , -C B- U@C2 B- C+ @A + -A ,
A- @,2 J>E, B@D + B ,, A.
;) P ') - ;= - MLK 3C $! +@ @A -A
C + A. A- +B@C T) B ,, A. DC@ D >, K)
$) ' ! @+ 2 B@) ? G C,@+ - . > D@ , ->D +B
E, U. > CD * -U@ A +B@ U + B@A2 - - + ? A A +B@
c B ,, A. . ,,@CG ;QKN & - < ; B@ C -C ? @C D AA@C
+B B ? + c B ,, A. -CD A CG ;KPQ : ! M C$
2 < &! ;;; S 2 B@ c B ,, A. J, @ @C@ J U@D A B ,
A B- >C 4KP= - ' 0 $ - 1(OO 7 @ J, G@D
c B ,, A. J- A+ 2 AD - -A ,,G B , V C- A E@++@D
NA +B@ C>EE@C ;KKM C $!! $!! < $0(ON : >,G M O @A
J,@A+G - @A + -A , A D@A+ AD @C+ A -B@C@A G -
J, -+2 AD G-> B @ ,, +B + A@ @ CG +- ? U@ c B ,, A.
B- U@C ' LE K 3 8 ! < !$ ' , $, . : $ %% -
B ,, A. B- U@C +- ? > @ > D>C A. -6C >A - ? -C+ E,G
* - >CA@G ;QMN : , $! $ " & . * - 8@AD(2 -E-DG
J, G c B ,, ? . B + A-
Q 7 +B JC@ S@D A> ? @C , 2 -C ? A. D*@ + @ -
JC @ -C ,>@ , - A JBC @ D@A- + A. C +@ -
J G ? @A+ 8 T B ,, A. A B->C + D $ 10
A +B@ ++C E>+ @ > @ +B@ - +B@ J,>C , C@. >, C,G
DC- JJ@D -C -A+C CG A + A @ @@ I >- + ;MKL
$;PQK ! 8& + - ++ @(& ' 0 ,& 0 8! ,g ! (;<K B@
SSS B , A. J@ @2 ;MPL ' (& ' ' 0 5 , ;Q 3 C ;NQ
5- C @ @CG E CC@, J S B ,, A. O@@C -C ,@ ;MKL 8 !
$ " & $! " S, L=N @+ G->C / C AU + 3@ , E@ A-
+C- A. @C +B A A A@ B ,BA. O@@C ;M<P # ( ) & % &
(3 " 2 @,, - +B + B E>+ . C- + A C *J- U@+2 ? G
B @ + - ? B J E,@ - +@A B " E. - C) CG VK=K
0 (& ' ($ ' & ' (A+C-D) &C@J C@D AD
- ,D A @ B ,, A. AD +@A B ,, A. E-++,@ T ;KPL C) ' ,
4 4 ;O< ; + D D -A@ . - -D +- B@ C B ? +B@C T >J@C
B ? AA@C - C- ,, A. B -CD + +B@ J- -C +C@ ? E, A.

B ,6A. A .B+ C@+ B' ;KMM I 'S '[&' '$ ' $ ' 'S' 4<O '?-D@, '-A@ -'+B@'> > , E 6 A. AVB->C +?

!B , A) ,@ ' 8: ' , .@ (2 $0 Y". V -+ B A.' ' E@ A.' +B->+ @ @AV ' B ,, A.2 ;Q<Q .)7 ' (&' E ''7;'=0C. !&1 1!&'' &,0 ,0 4 (2 +'JC@ @A+ ' ? ,? - + B ,, A . ,@ ' ;KPP' 8 ' 0 & 31. 0 8;KQN('L=O "@'+-,D' '+B +'+B@'B ,' 'A-+ G@+'D>@) ' ' ,?- + B ,, A ., @ 2 3C '] 'A- '- @C@D' +-' B' ' -C ?@

!B ,, > . ! 7 #C+0 ' 8: , .X L:)V' 5-C?@C,G' B 6 A. -C+, 2 BO '1' BM' -C?' !!' ' ^2& '8 '* ' '"2& + 'A- 'C C@' A'+B@' >CC@A+ -C?'+B@' ' ' +B@' .A' -'+B@'J- @ @'8 B@+B@C A.2 -C J (a A' ?->A+ -C I> A+ +G' 3 B' '-C ? G'E@ E->.B+ -C' ' B ,, A.' '?> B' ' ' -C+B' ' @,, A.' -C' '8 J@ @D('A>?E@C -' B ,, A. ' CSL P ($2 !0 ?0 PON 'L;'E2 A-A' A@' ,'E@A' 'D-A' A'+-' A' ,>C@@ 'B)+ B +B', @'E A' ' ">ADC@D' 6 A.' -C+B' - ',-AD@' ;= ' &,0 A 7C 7 B U@CM;O PQ)' &!) B' BG,,GA. -C+B' ,';=PN <&, &2' 0 KQ OM2>*' B ,,GA.' -C+B' - '% UG ' H)$)&' &! $ $ '$ & & &) %]0 1 (;PK2 *' B@,GA.@' -C+B@' -'C@A+ G@C,G'+-'E@'J GD@' +' BG+ -A+GD@' ;=QL = ' ,,0 0 ' $ 0 ,&E' 'O +@?' -?J-A + ' -C+B@'C@ .A -A@' -' 'B>ADC@+E' B ,, A.' -C+B' - ', AD' ,6+'+B@' !+ A,G2 'A (,'POK 5-C' ' B ,, A. 7 -C+E' -' @C @' ' B ,, A. -C+B' ') + +>D@' 'A +>C ,,G'J D' ;KPQ' ' .& ' $!' ' '*'OMQ 3 G' ! , @C' !B ,, A.' C@JC@ @A+ ,,' J- E,@' B+,, A. -C+B ' -' @ @CG+B A.' -A'@ C+B

;K=N %- ' ' 8 ' $ '"8;K<L(';QP' ' @ ' B ,, A. 2 -C+B' - 'D ? .@'+-'.@ C2 @+ ' ;<NP' ' ')-'K JC'=LO L' ! B-- C--?' ">? ->C ' ' J + ,' B ,, $. " B'

!E ,,--' 8: , (' ' !&3 (',->D' B->+ A.' -C' ->+ CG' "@A @' !B ,,-- A .' 1E' V' ;K=' 3 ' $' "' ' S2 T 7 B +' C@' G->' B->+ A.' +B@C@' -C' 'T D'+B@'+C @,,@C' 'T A'+'G->' A. ' #B2+B @G' >AD@C + AD' +B@' !!&&' ' @,,2 C' ' 1 (SSS 2 B@C@' ' 'C@.>, C' B ,,--' A'+B@'B-> @' B@A'+B@'+B A.' '->AD'#>+' ;K=P = ' ' ' ' &"'S '<;' B@G ,,'U@@J' >%B' ' B ,, -- A.' +BC->.B'+B@' ->A+CG' E->+'U ! B ,, -+2' C A+ - '

!B ,,G' 8: ', (' '& 0 , -' B 6- 2 E 6 2 B@,,G2 B>,, 2 @+ ' ^'%-AA@ +@D' +B' .B 3 AS'B ' ! 'T '? '-C @?E, .@ -'+B A' , +@2 -C E + ' -'+B A' +-A@"8%C@.@ A(2 T '.C @,,G' E@ B' 9 ,,G(' E>+'+B@' -CD'? G'E@' A' ?J-C+ +-A' C-?D @,,+ ' A,, B a C @,2 B A.,@D 8 +B* (+' 'J@EE,@2 ? ,' +-A@' ;MQ ' A' & +-A' '*&&) - ,(,(8;KKL('L<Q @ G' B JJ' B B' B ,,'D B C.@' AG' B ,,G' -C' +-A@E ,,' + ->+B CD' - '+B@' B ,,G'J +B' A'+B 'C @C' B ,,' -C @'+@A' B ,, A. ' ;KLQ' ' 0 ?!$,,*&&'O=M 'E@ B' -' T B A.,@' -C' B>,, ' 2 +B@'JC A J ,'J-C+ -A' - ' B B' ,' C-?' +B@' ' 9KM< &' $! '<!& 0"' !!$"' +B@' ,- @' +-A@' -A'+B@' @ E@ B2 +B@' +-AG' @ E@ B' ;KQL' '9' 8' ? "' '7 ' +C@ ?'C A D- A'+B@' .@A2 AD' - U@D' +BC->.B'+B@' B ,,G2 AD'->+'+-'+B@'E G' N) '1 ! 0'<!& 0' .!! ' !!$' '! ! ' ;<N;') '7 ' 9 . ' T?$,,$' A) ''SS 'OM;' !B@'+>CA@D' C-?' +B@' , ?J , .B+@D' C- D' -A'+-'+B@' D@' +C AD' -' E ,,-

!B ,,G B ,,G' 8*,, * @D ($ (' * m' 1(^ + C + C ++@A' !!' 2 $!!' 2 ,+@C@D' -C?' -' $!!' 2 $!!' ' @@' . . 'U5' 0 'G ' = +0 5-C' +B@' - @, ,+@C + -A' ' !!"3 $!!" '2 "32$ "' ' &' $' ' !!' 2 $!!' M' +-' ,, +@2 +-' E@' CC@ -,>+@' -C'>AD@ D@D' , -' &' &' !!3 $!!3 (&' $' '$' !!"3 $!!"0

' '8;QNP('L= '?' -C' ? CCG A.' 7 BG' B->,D' 2 + AD' B ,,G B ,,G2 , U@' '%->A+CG'O+>AJU A' ' c R& 7 ' : 7' $!' ' &1 '' <O 0 - E'D D'A- + B,6 ' B ,, ' ,-2 -C' D' -A@' -CD' - 'C @AD' -C' - @' O>+ , C+ A.' + B ?' ? D@' 'E,- ' ;KOL' ' C B 3' $ $!' $. -$"' 7U ' OKP< 4 ' ;<< ' @@'A-'. -)'+B + -?@' ' + AD A.' B ,,GY B ,,G' ;K=Q '), $' ' +2 / -A'+' + AD' +B@C@' B ,,G B ,,G' ;KQL' 8 7' ' & 0 (3,$*' OLO B@' ?J,@+-A' B-' + AD + ' B ,,G B ,,G2 ? G'B@' UA- U' -C' A-' +'B ' - A'D--C

O ' $ B0 ,, + A. 2 CC@ -,>+@2 >AD@ D@D 4QL= 6' A' (' ' B&!.'8;KO=('<P' 7 @' @C@' ? .B+G'JC>D@A+ AD' B ,,G' B ,,G' B@+B@C' +-' + G'-C' -' c_]< = ') &1 & 0 %"' & (8;KM;('ONK2 ' A' B', G B ,,G' E->+ +' A' ?' - A' ? AD' ;Q< '# 66 ' 0 8;KLN('=QN ' B D' B@ CD' B ?' G'+B +' +B ' - A + Y +>+ -A' ' B ,,G B ,,G' +B A.2 - ' ?@C@' ? ,U' AD' +@C2 B B' ->,D' A-+' , + ;KM< . 1 ' . ' 2(@+ 'S ' 8;KQK(LML' '?' A-+' . - A.'+-'E@' +-JJ@D' EG' AG' B ,,G B ,,G' A-A @A @' SKKM < A' O: ,,-+ '8;<S;(' ,< ' ,D +-A@' ' @CG' B6+G' B ,,G' E->+ +B@' @. ' , + @' 6A -A

% ' 1(' ,, + -A2 CC@ -,>+ -A ' ' $'8;QM<(' 2 LPP 3C' 3 > U -C?' -A @ @D' ? CC .@' B->,D' E@'DC @A' , U@' E C. A ' 7 +B->+' B ,,G B ,,G' ;K=Q X 'C B 8 ' ' *0 !3'6%)' 0 U 2;KP=' ;N !B@' ,- + A-+ -A@' -'B@C -C+G A@' ? A>+@ 'A' J U A.' AD' B-- A.' ' -' B ,,G B ,,G' A' 9 +@' ;KQM < ' $' 0 0 'SS 2 O;O'7 B +' B@D' +-'J- A+ ->+ +-'G&6' 2 +B +'+B@C@' A'B@'A- ' B ,,G B ,,G'A-

O ' ' ,, + A.2 ' CC@ -,>+@' J@C -A2 $ 0 $ J&') ' 5$ '(.$. *(7 U 'SKPL' 'OQ; + ?-A.' +B@' . C, ' A'+B@' ->A+CG'+B@C@' C@' ? AG' > B' B ,,G B ,,G 2 B-'. @'+B@? @, @' -C@'@G@' AD' B CJ'@G@ +@C' ;KKL' B ' ' =N;' B@' I>@@A' ^ A' ' *$' ' $]'E@ A.' E-+B' E, --D+B C +G' AD' A -A @ I>@A+2' AD' -CC ? -AD' ' ,, + A.' B ,,G B ,,G

!B 6G B) 6G2 ' ^ ' JC@ ' D ' JBC a ' 0 -' ,, +@2 E@' CC@ -,>+@' -C'>AD@ D@D2 ;QK ' = ' B ' , !$' S' * 2 ! -' ' >JJ- @'B@' ,' B ,,GY B ,,G'+ ,' -A@E- 7 , @' ,' CG' A J2 AD'+ U@'B@C' ;K=)' ' ' .! &1"' ' ,E' S2 B '0 ? @'B D'E@@A' -C' ,-A.' + ?@' B ,,G B ,,G A.' '+-'+B@' D@'B@' B->,D'+ U@' ;KQ< ' 0 %' ' =4 ' - B ,,G B ,,G' -A'+B@' ? ++@C2 +-' ' + A' -A@ G'+-D G' AD' A' 'D @C@A+ G'+-?-CC-

/ ' $ - 0 -' B- ' AD@ -A' A' -A@' ' D@ , A. ' +B' @'&', 3) ($ %&' 1! 9 . 6 ' A' $ ' ' 7 ,E@C -C @' % '8;KKO(' ';PO' 'G->' .-' ?G + G A.' AD' B ,,G B ,,G A.' +B@?' ^ 'A-A -A -C? + a

)' # ' A ,G @D' A+-' + -' @CE 2 ' B ,,G'" AD' ' B ,,G'' @@' I>-+@ $ J%' ' ' ' <) ' "' 2 ONL' +' ->,D' E@' ,,' D,@A@ ' +-' .-' -A' B AG A. B ,,G A.' +B' B@C' ;K<;' $!"' 2 ' L' :>A@' O O' ! C' 7 ,, A+ ? D@' +B@' + +@ ?@A+2 +B + ' B D' B , @D' AD' B ,, @D2 DD' B D' +B@A' D' T;' ' -?@+B A.' L &A' ' O3?&& ! >'C &% (2 B@C@' B ,,' E@' A-' B ,,G B ,,G A.' -CU' B@C@' ;K=L']'?!) 1 $ >'< & ' A

"@A @' !B 6G B , G A.' 1!(1(AD'* *!('$(

?G C@+ B@D') 6,G E ,,G A.' G 2 4 B->,DA'+'B @'+-' C +@'+-' B ?' + ,,

!B 6G B 6 G@C ' ^ 'JC@ ' E'N" V' #A@ B-' B ,,G B ,, @ ;KL ' : 9 ' & ' -1 (A'?!$, . 2($ 0 JC' M<Q ! ,,G' B ,,- ' B ,,G B ,,G) ' KLP' B ' &, & ' 2 8;K=K(O=L("@' 'A-' B ,, B ," @C2 ;K=K(' &'3 10 C)', T 7U ' ;K)' 4 4 ' ;KQ !B ,,G B ,,G@C 'C@' - CD ')

!B ,? @A+2 ? - A+' @@' I. !B ,J +'8: ,J +(2 $0 ,(, -' B ,J@+2 B@,J +' ^ +G?-,-.G' >AUA- A' ' 6 ! 'D .@ +' B @' , -' !*"' A'+B@' ?@' @A @2 AD' !*' 'J ,@' ' U,G'. C,' ' $!(, 0] ' # 'J@C -A ' & ,@' AD' U,G ,--U A. ' @ U2 @@E,@2 J>AG ;KSL' & % 9 'C& - ' 'Q< 8 / / (' B@C@'% C@'A @' B6J + @' A' B ' SKSK' 3 ' $ $ 'SS ' B@' CD2 'B@'J@@C@D' +'B@C' - @C' B ') + ,@ 2 JC-A->A @D' B@C'+-'E@'E>+ ' B ,J + +B A.' GK -' ' (&') $"' OL' JC2 E +@' ? -> A@ 'B ' ? D@' ?G'EC A' E>+ ' B ,J + -A @CA' -C' !! -+ B' ++ A.'T A+@C'J-%>, ' ' A 0%' < "' $''555 (# '3G'J> C'E + B ,J +, @ / ' # ', I>-C ' A JD2 @ U2 +B A ;KS= ! -)' 6 $ 0 S 2'0 2 @' JC-A->A @D' +B@' , C@+' !* (AD' D@? AD@D' EC ADG' +B' .C@ +)' - @C + -A' ;KO=']' $)' ! ' B'SS2 !B@CCV 'E>+ B ,J + DC AU '8!@@' I>-+(;K)' : '%' = ' ",!0 ,0 'QOP' !* '8! -+(2 , , @D'+-' ,, ,@D'@ C' - ' -CA

!B ,+2' A' . ' !, ,G2' -E ' C' T . ! ? ? ' 8: ?(2 1W3' , -'Q KB 8@' ^$@JC@Y @A+ ' -C? ,,G'#5' , -$ B D- 2 ., M-? %-.A +@' -C?' C@' 0 , -&' B D@2 75C ' . " 5C, 2 . '- (3 ' , - B D@2 + , .B+2 .B- +2 3 / >' , - (, -(, - ' B D@2 B D- 2 .B- +2 B ? ? @C2) A@' 8 / >' , Oh'' B D- 2 JE ++- ?(2 = < ' - '.B- + 8 ' , . - '+(# ' ' -C ' . - ' ,@ ?2 ' . -$' .,??@C' , -' I ' , -$' EC .B+A@ 2 ., B+2 # ! 2 # " # ' - &(-6 ' ' -$'! ' @>+'C--+ 3(-C' B B' @@' ' / ' ' +C@ U' - ' B +@' -A' 'B-C @' ' @2 $!(% ')

;ML< ' '< ' & -1 (& -0'OL' ! -?@' -??@AD' +B@' B ??@' -C'C @D- A@'+B@' @' 5 [&' (C=XO N O=P< = 'EC .B+'%E@ A>+ @,D A.2 ' !B ? '=* ' '!B@ Aa' D- A' B '5 @' 4QN' 1 0 = ;L ; = ' $ A.' - ' B +@' C->AD' @ B' C2 AD' '!B ?' D- A' B@C' 5 @' $> &' B . . B ' ($2 ' ;QL

/ ' A+ -C +C A @A+ JJ@ C A @' ' ., ? J @ $'SK--' 77' ') * * (< & > 'C & ('<!& O(-(JJ@ CY A @2 7 @ + ' '+C A @A+ @ C- '-C' C + .B+' ,K)' 7' / ' ' 1 '<!& (C & ( ) 5'QL2 ' A'+'E@' >C@' + ' ' J C+C D.@2 E>+ ' '+B@' B ?' -' -?@+B A.' . - A.' - @C' +B@' B@D.@

!B ,6'8: - (2 1('!&,$!0 , -'K B@ ? ' ^#C . A' >A @C+ A@D' +' 'D->E+>,' B@+B@C' ,'+B@' -,Y ,- A.' B@ A@'E@,-A.'+-'-A@' -CD a ' 'J@ @ - ' C-A' ++ B@D' +-' A' .C >,+>C , ? J,@?@A+ -C' C J A.'+B@' >C @' - '+B@' - , O>KJ 8 ' (' < B@' >CC- 2E@ A.' @ +B@C E- @D' +B' ' , C.@'B- 2 -C' ,@ C@D' - ' @@D' AD' C>EE B' EG' B +'+B@G' , ' -0 B ' ' + J @ @' - C-A2 ,S@D' + +B@'@AD'-' ' ' .B+' ,++,@'J,-> B'E@ ?'DC A'EG'-A@'B-C @2 AD' -' ? D@'+B + + ?' G'E@'C @D'>J' -C',@+D- A2 ' - -A' !@C @ ' ^;QLM 8@D' O(;L' $ (.0 !B ?' , @ J,->B@' B ' ' $ & @ @' - ' C-A2 + +B@' @ 0-++-?' - '+ -'%B@@U ' +B' "-.@ ' A' +B@?2 B B' C@' J>+ +B@C' - '5C ?@' - ?E@C DC A' +B@?2 "' -C @2 AD' +B' C-A'& A' ,'@+'>J'-CD- A' ' +B@C@' '# -A a' ;KNK ' ,(? %& ' ;QK' 'B ?2 -C C J@C2 ? .B+'E@ A @C+@D' A'+B@'B CC- C ?@2 -C' >++ A.'+B +,@' AD' -+B@C' @@D

/ ' , ' > , ' -3*!&) ' 'U AD' -'B-C @ B-@' -C' B ,,-' J,->.B> B@D' A' 9@A+ AD'@, @ B@C@2 -C' B-@ A.'>J' @@D'E@+ @@A'C- ' -'E@ A 2 B-J 2 @+ 2 ^;QLM' @@' @A @' a' 4QLM '* ' V ' , -' 1 0 / ! (2 ' (A' B-CW@ B- ' 4Q)' 7 ' . ' & ( ) 10 " ' 'PM 8 / ! (2 B@' B@ ?' -C'JC-A. J,->.B' O> /&' ' $ (8% ?D@A(' ' KK ' ^ A' +B@' ,@' - ' B A@+@' B@G'B @' J C+ >, C' G' - ' ,@ A A.' +B@' .C->AD' - A' +B)' E@ A 2 +B@' ?' B A@' ,,D' ' B>A2 +B' C-A' + > B' 'D + A @2 +B + + - ' . -'E@+ @@A'+B@C- 2 AD'+>CA'>J'+B@@ C+B' -A'@ B' D@' . A + +B@'E@ A ' ;Q<O $' 0 &,('8@D' O(LL' "-C @ B-@D' +B@' A+@C ' +B' 'O@CU B C@' B ? 2 B B' >+ ' +B@' >C @2 E>+ >CA 'A-' >CC- ' ;KNP'$' 7 ' C & 0' , 0 'KKN A' +B@'DC ,, - A' ,> @CA' -?@' C@ -?Y ?@AD 2 +B@' J A.' ' ? ,, B ?' E@+ @@A' +B@?' ;K<O & ' 'A$ $!($ - ' $!' ' $' ' 'V ' (;=K &-J' B ?2 ;=< C-A' A.,@' B ?2 ;PN P' >CC- ' ECA' B ?' ' / >+ B'B-@ ;KLL' - &' ' $ - ' *0 ;LL' A') 10 0 0V0+' ,, 2' B@' / >+ B'B-@2 ,,@D' A' "-,D@CA@ '+B@' T B ?

6' ! ' 6 @D'EG' -A > -A' -C' ' 10 4#' E(!-' - 3,&)! '*!&) ' A' -?@' / @+) SK- '$ '7 ' 'C & (' ,0 ' =QN 7 B@A'+B@' , AD' -'- ' + ' AD',>? JG2 A +>C@2 +' ? G2 E@'A@ @ CG'+-'B @

C@ ->C @'+-' - (A' -CD@C'+-'EC@ U'D- A' AD' @J C +@' +B@' J C+ ,@ ' ;KL= ? 0 %) 10 8 6 9 (' ' L=K B@' B ?2 -C U ?2 B ' , -' E@@A' S@D' ' A' DD + -A ,' ->,+@C +- ' J,) .B' ?> B' A' @ A' #S -CD B C@' ;KLQ' 1 0 ' ;K B@' U+? J,->.B] -C' B ?2 ' + ' A' -?@'J, @' ,,@D . ' ' +B A' , J2 > > ,,G' - '?@+ ,2 > @D' +-' ,, '>J' J @'E@+ @@A' J C+ ' >E*@ + +-' @ C2 +-' , .A' -C D*> + +B@' ,@ @,' - 'C , 2 @+ ;KM= A' 7 O!+ $' S) P' : 7 ' 0 O(- 0' &' 32& . ' +(#A@' -C'+B@'J, +@ ' A' '*>?J@C E-,@'+-' ,,' ->+' 'J-C+ -A' - '+B@' +B UA@ 'A-+ - >J @D' EG' +B@' @D.@' -C' @ +B@C ' ;KKP' 9)) . ' " 0 $! &$ '? '6$*$'' PM B@C@' C@'+ -'D @C@A+ ,--C G +@? ' A' @ C + -' +B@ @' +B@' , @C , +@C ; C-D' J ' +BC->.B' +B@' --D@A' B) ' ;KK)' : ' 'V "' &' ' ' ;N; ' A@C2 5 + ! +C J2 / + A @ & @ @2 -C' !B ? ' ' ' +C J'- '?@+ 'J, @D'E@+ @@A' +B@' *- A+ @' - '+B@' EC @' +-' B-,D' +B@?' +B@' JC-J@C D + A @') C+

N ' E 0 0 ' ? J@C @ + B A.,@' - ' CC@.>, C'+B UY A@ ' , -2 A' ? J@C @ + EA U@+ + @ A'C@ @A+ 6 ! '9@+

+ ! B ? 2 $0 1T A' = BG? ' ^$@, +@D' +-' # ' , -$(,! -$' ' @@' ') a' OC .B+ % '8%B@ B 2 !BC-J B(-32 (' ,+@C C' +-' U ?2 B ' ? @+ %, ' ' ?@, ' .'B-' 0 0 ' ,A$.0 ' ;L ' 0 0 !! 0'C 0 ' NQQ E->+@'aV + +@C CA'+C@' >,' BG?2 & +'+ @,>@' G+@X' -'G ' -A'B@C@' >,' -A@)

i' ! A ? 2'X ' 1(H ! ,!- $'('c' , - $'(C@, +@D'+-' , '$'8 @@' = C) (' '#" ' -$'(3 " # ' , - - - D]' ' 0 ' B A@ %0'<& *0 >U@'S 'O= ! ? AD@ -'E@- A>?2 ,&) ,$' ')1' !&(,'$++'I .1 '< $ - 0SS '8[V;LK ,&+(' ? @' (0 @ A@a' [OOP'%) E$'$'PP'8O-D,'3 ! (2 ! B ? AD@' = &"$!' 0 B A AD@*' B C@' A@E B@ + @E@A@' '+V@ >AA@' $';OOP' (' $ T 0 ;< 7 ' #B ??@AD@ A+ B CJ' @-CD' 1 0 == " C@' - +@C' ?-DC@' B@J2 (V@ B+?@D@' A+ B A' $';O=N^ %@

!B ? 2' ^ ' ' M] ' ' ' ! 0 -'> @'+B@' B ?' -C'B-@ A. ;Q ' 2 @+ ' ^ @@' 7V' $>OJ bS' X&,0 '8@D' @(' MO' B@' + @@U'A' JC ,2 ? ??@D'-)'+B@' >C @ E ' $' 0 &'B-@'8 C-J (' +B' ' B ? 4Q<Q ' B 7' ,0) %&!.'P< B@'9@A+ B'?@+B-D' #' B ? ? A.' +B@' +>D @' - E@ I ' >AUA- A' A' ! > -,U' 'U ,0 ' 0 ;OK "@' B ? '+B@?' +B'+B@@SJ AD ' A.' B-C @ B-@' ;KLL' '&' ' $ - ' *(;LK A') 10 8 6 9 (,,2 7 B@A'+B@' , AD' !' A' . --D'-CD@C2 A' 6@' -CUY ? A' ,, B ?'A@ C,G' S'C--D' 'D G

/ ' T -' 7@D.@'>J' -C' ,,' ->+' +-' ' C' >C @' EG' A @C+ A.' '+B A' @D.@' -C'J @ @' - ' ? +@C &' = 'Q) "' (+(%' ' 10 ' AD' 7

!B ? > 2' C A+ -' ' B F ' + '!B ? ?@D2'$0 1 0 A'P' -BG? ? D' ^ JJ ' ' 1B3 i' :+(O a' / JJ,@ .C@G))==N C &- *(C$ 0 ==M O'!@EG? ? D2 'B-C 2 ,) !$) (!B ? A @C' 8 ? .*(2 10 ' ^ ' # ' R' % 2 ' , ' - " 5C ' . ') (2 , - - (! 2 - - D]' ' B ? ?@C A.', .B+ -C ., - ' ' >ED>@D' +C@?>,->' , .B+ $ A$' 'V ' !2 0 ' - , @C' , ?J)' @D' +B' J@C' >?@D' - , D > @D '+C@?E, A.' + , .B+ @@? A.' B ? ?@C +BC->.B' +B@' I> @+ J C+?@A+' ;K=Q %' ' %$' ' ' SS 2 B@' +C A.@2 C ,+B 6U@' JJ C@ , B B2 + B ' @ @A)' A.' B->C . @' ->+ ' ? - + .B- +,G' B ? ?@C +BC->.B' +B@' B D- ' - ' J C+?@A+ ;KML' 3 ') ' ! $'&' (2 B@' C + B ? ?@C' -'+B@' ? --A, .B+ ' ,@CG' -A' +B@' +@C' 4K<< !!1) ' " 0 (1 , , 'P<N B@'J J>,@' 'B A.' ' S ,U@' B ? ?@C $' '%0 05 % 0 K S ' . ! ' 2 'U AD'- ' B ,D, U@' B , @?E CC @D' B ? ?@C -' @SJC@ -A2 -A' B ' A@' D' ->A+@A A @2 S) ' (&,0 - (C& 0 ' - $ 0(#A@' ? A' @@' 'J CU' -C' B ? ?@C- '+B@'+C>+B

!B ? ? @C' 8 ?-(2 1 ' E 0 (^ ' ' i' "$ a' ' ' -CU? A' B-' A @+ ' B ? ' A' E A@+ -CU2 @+ ' E ' G ' ;I OP2 8 A'C@ @A+ 6 ! ' / @+ (!B ? ? @C' 8 ?-C(2 (' 5-C? ' ' G?C >2 L' -B ? ?@C@2'= BG? @C@2'= P' 8-(, @ ? @CM2M@BG 2 B ? @C2' M ' B ? ? @C ' ^, +@' #9 ' ," - $" f' 7 5C ' . - %% (5C ' . - ' +-' B ? ?@C2 8 3 (2 F = D ' , ' - '(+-' E@' B D@D' -C) D- G2 +-' ., ? ?@C2 ., ++@C2 ' , ' - - "' ! ' . - $' C@, +@D' +-' ' R' % ' +B@' A-C+B@CA' : V' ' 0 -' B A@' +B' ' +C@?>, -> ' -C , U@C?.' , . B+' +-' ., @ ?' A+,G' A' @ C,G' > @' , -2 + -' B A@' EC .B+,G2 ., +@A $'SS-' & $'* ')! 7;' A' J @C' 0 5 ,(8;<NM(';M' ! - !, @']MP @'D) @D,@- ? 'E@-CB+@' %G?C-D@2 HP / C B+@A - 'E@,,@' CB ') ;OLN ^ @@' 7' %* $0]0 $'S) -' $2! ' $ ' A' 0 0 & '0 'OP ' ()+ B>' B A@! A+ @E ? ?@+' 0 (B ?@C@Da' V B 6-?@' ;L ' <$20 ' < 0V ' 0QQO " +'^ ' +,@a' B ? ? C@D \' B-A'(V>OL : @ B) @'-U@X' ,';=NN 0 ' B C@ ' AG' B@A@' +-AG! B@' %B? -J !@ ' '!+-A@'Hjjjjj jjjjj jjjjjj ' 2 , B+' B ? ?@C@B A-+' ;PKO B 'KO B@ A@S+D G' -,- ,A.',> +C A.' >C-C ', G' BG?C A.2 "@C B-AD ? ++C@ @,@ A A.' +-' B@C' E@D @,-' +B--' ; M) ;MPP ^ @@ 7' 1!0 10 AD' * *!('$0H0 K +/ $ ' ' 0 ' S 2 AU, A.'?A+2 AD'D + A+ C2 !B ? ?@C '+BC->.B'?' +' B'J, A@'+ C' L % & ' ! %(# +@A'G->C .>C@' B ? ?@C' +BC->.B' ?G'DC@ ? ' ;KQ ;' < ' ' 0 & ' (?($2 . ' O< A2 O,>@ @ 2 E ??@C J.' +B' -, ->C' ;KQ= ' ' 0 $!"' e' < 8;K<K(' 'S ' OP= ' / + A+' , AD' B ? ?@C A.' A' >A " ++@A' B X@' ;KQQ' 16)' ' '&' % ' $ 'SS 'L<= B@' ^ C-X@A a' J-AD 2 B ? ?@C'D CU', U@' J-, B@D' +@@,'

!UC ? ?@CG+)' ^ ' I IV ' A' $0+ '#' 3) ' , ' $ - ' $, .(Q;'8%@A+>CG' / @+ ' ! >JJ, (2 'C@?@DG' -C'+B '^J--C' ++ A.' - ' B C@' AD' ? -3 E- CDa' 'JC- >C@D'EG' B ? ?@C A.'+B@' B C@'>J'-C'D- A' +B' ? ,,'J @ @' &%J +@ E- CD

[illegible]

OL; ' D A @ -C J C+G ;K<< <$00
L; # + K L B@ A + @ A A+ ?E@C - A + A @ B +@
D A @D U AD - T B AD . --A C@,@ @D C- ? +-C+>C@

! 3 AD,@ 8: AD6(2 ; ^,- , C A+ - :7.

10 % , ' !

--D@A C-- A. +,@

$/ / ' 7 I@@ 9 &- ', O b ,$') 0,
, +B , +@ -C B AD @ - --D +M-S ' ..) C! ' "
4 4 =M; B@ E->CD -C) ADU - +B@ ,D #U@ B@
B AD @ C@ ? - + @ ,G C@A+ -C ,- @A ->+ - ,, +B- @ +C@@
B B G@@,D $- A2 +B@ B-> @A A $-?@ @C@A-#+B@C @
- @C@D - @C B@ D E>+ +B B AD @ 2 >A+ ,, +B@ CC@ +B
9 &GCCB> ;MSQ = B), & . ' ! D
!B A.,@ ;Q K ? , > .!" 6 - !(K :>A@ = 0C U
" -> @2 - @C'D +B !B AD @ SKQ I .) +0
- ,$' - \ # A &@AA G, A +B@ -CD . ' ! HH `
- +@A JC-A->A @D ' ! 0(J C+,G2 A- D->E+2 >AD@C +B AY
,>@A @ - +B@ A>?@C-> @C? A A +B + !+ +@

/ J, A+2

4P<K - . ! B AD @ -C E- A)D@ , D E->+
EC-U@A ,@. -C C?@

L A >,, ' E3 &' 6A +-A@ C-? B B
, +@ C@ >+

;MM< C !0 $' (;NN< U@ +B@ +B A ,@ + +-A@2
, + -C B AD,@ 4Q ? , > .!" " E0 ;P # + =
& C @, - !, +@ 8-C !B AD,@ !+-A@ (-C +G, A. -C B@ , A. -
" -> @ (`]_ A (M ;KKO R <!& (0% E3
! ' (, +@ +-A@ A /@ -A2 E AD,@ +-A@

+! 3 >D,@2 10 $ 3" A L " AD,@

#C . A AD JC@ @ ?@ A A. >AUA- A
$5 / ' , 0 0 ;KM (V@+8? ,D >,,+-)A :V@+ BC@J@+W
H 0 0 B AD,@!2 C ++@)a .@ Ab \ E + >J-A (V@L@C)

!,, ADG 8: AD (^ ,+@C + -A - : !V

!&,$!(

4K=M &,$! , D 0 O< =; A % @ AG &@C -A -C
&@C -A B ,, -A !BC- @ >@ D G2 J, G + !?ADG2 5--+Y
E ,,2 -C AG -+, @C ?@ SKM- . (- (@D
L(2 ' "% B@ JC-J@C AD ?-C@ > > ,A ?@ 0 ADG
SKK $', 0<!& 0

/ JC@@2 ?@CCG? UA. , -2) U AD -
D A @ ?-A. @ ?@A 8!?G+B $!& & Y1.(
% M_.$!$' (

SK 7 % ' & ' & ' S 8;KM<(O=K B@: U C
)> +@ J,@ @D +B B A .B+ ' C> @2 AD #A+?> ,,G A.Y
A. ->+2 7B + JC ?@ !B ADG2 ?G 3@ ? +@ +) K A
%-, " U@C $ " > OKM 6 A -??-++3(+B +B@
@SJ@ +@D .C AD T B ADG -A 3-AD G SKMM ..
% ' ' SS 2 A+ D # + @DD A.2 N;)
B ADG - -?@ -C+2 E@ -C@ @++ A.
C- 2 -??-+-A2) B A@ &, C L ,)

' 86 ! (2 & . ,.)* $ ' "(

$;K=P 6' &!0 0 !@C A -$'' *@ :- A
A U U A. >J ,, -C+ - B AD @ AD E-EE@C @ VKPN
/ - :$" -0 80 C+,@++ ;KP<(2 1->2 C@ J--C2 AD2
+B@C@ -C@2 ->.B+ +-) CA , B- G-> %>+ 3AD+@ + AD)
+B@ EC- D -CD - *> + @ ;KPN). 0 $! . ;2
B C E@ A. +B@ ->C +@ JC-*@ C ,@ ? +B@ @ @A+ -
B ADG SKK 0 3 C &* C S SK- " @
AD B @ B @ B D A- @AD - B ADG ;KK< @@ :
0 ;< * 4<;N 3 $ / " A & ' (0 6 >A@ 4NPP C B?@A
A@ @C + @D2 +B C + 0. -C B ADG

, U A.2 A G2 8% (10 = (

$ // ' . B $ 0 e) - ($%0 S 2 B@G ,, -CA
D@C@D B- & DDG B D + U@A >%B B ADG +- ?@

!B A@ 8: A(2 10c ^ %

7 @C B D GA-AG?-> -C? D? @D C-? +B@ B #! 2
" ' 8/> , B' 3 " . '(? - D : , -
N I , ' J@ +C@ 8 +B@ - @+ E@ ,-A.(a

0C .B+A@ -C C D A @ B@D EG ,>? A CG -C
A ,,>? A A+

$;PO< . C 0 %$ &2 ;;Q= GU@ &B@E> B@ ?@
BGA@ 4PLP 3) . ,,!) (S, ;M B@ -AA@ ->@C
,-U@+B ,, +B A.@ +B B B A@)S!<N #$0)A?$ & (
;2 7 B@AE@ >@A EC .B+ B A@ B D- @D +B -..@ SDO<
= . " - ' $ 0 SS 2 AD ?--A@D B+ C-+A -
+ A-+ . C+ +B J@C B-,G B A@ SD!L $" &
$! QL B 5 C@ @AD -C+B EC .B+ B A@ AD ?-6
-? ?@,> C M K) = 7 = 7B 0 (D6
;= ! ++ A. +B +B@ AD- -J@A2 @A*-G A. +B@ C?
B A@ - +B@ >A 4K= 8 7 &!& - 1 > ? $" 2
/ G EG D G2 B ,@ B ??@C A. .C- B A@ SKMK =
$!" C$ 0 8;KQN(;; =MN B@ C C@D +-C B@ ' B A@ ;KQK
') ($ 62 8" @Ca E@DC--? , .B+@D >J2
AD + +B@ B A@ C-? B@C AD- +>@E B D , .B+@D
+B@ J-,@

+ E E@ ? -C C G B ,- 1 (

S !S : .. $ & ' > 2 0 & 0 =KL E2 1-> ? G J>++
,, G->C ,AA A.@ A G->C @G@ 2 AD @@ A@ @C B A@ +B@
,@ @ 4L<< 0 # " ' . 0 + 3 I>@ 2 " @C
D@> @ +B A $ A. - ,%>D 2 " @ C+ UB B A@ E->+ +
;MSN - . . » (+ 2 B@ >AD@C %-CG,@+! D D
+ B +B@ B A@ 2 - .> ,D +BD C ,@ @ $ J& 8 $' T
C 0 P !> B B A@ - -D ->A+@A A @ >J-A +B@?

/ > +C@ -C B@@A - A -E*@ + C@ @ + A. , .B+2

?@+ ,2 +@C2 ,U % ' ,> +C-> 2 ., +@A A.

!<< 0 # " ' $> 0 8 M- (E2 B->.B @
E >@ A- J>+ -A A- +GC@ - B A@ 0>+ C -C+ ,, @G@ JD D@D
? G @AD>C@ ;M=K ' * 0 1 & C$!$, 00 " @2
AD B@G @D EG +B@ B A@- !A , S)Q ,$" 0C "
e O< / X,@D +B +B@ ., ++@C A. B A@- -,D2 S)
,(Q B !J C +2 ,- @+B + J>C@ %-,->C2 & EC .B+
A + @ !B A@ SKSL & $ 2 6 B@G +- @ B A
E, D@ .A2 AD C@,@ @G@ +B@ E,--D +B +D ? + B A@
KD- 8 . . " C $' $ - $ & $ <0 5-C + 8+B@ B +a
B D ,- + + B J@ AD B A@ AD + B D @- + B ? E>C AD
A A@ ;K<K =) (0 M B@ ,>C D B A@ #
@ A +B@ A .B+ AD' 3C,

E %->J,@D +B $ 8 D

;KLK = 8 7 $* - ;;2 /@ +B >J-A B @
C +B@C B A@ +B A B D@ 47L %) &) ' $ $'
!$ ' :QN B@ ?->A+ A EC-U@A >J A+- B A@ AD B D@

N C$ ' ' AD C && (!B A?@ * B AG

J + B2

?A& '$) - OK 5@E OKQ O ^ B@ T J C + C@ - JC-Y
@ a E@ A. C@@ C-? B A@2 D? C E,G D J+@D -C ?6C ,
-CU -A , C. @ ,@2 B B B->,D E@ @@A + AG A.,@
;KK< ' & ' " C & & (?) !!0 LQ ^ B@ D)@CC@-+GJ@,
>,, - B A@ ;<N4 & $1! $
& % ' KO 7 +B->+ B A@ .-,D J A+ - A- ,>@

D B@ J-, B . @A +- J C - E--+ EG

E--+E, U $' %0 *-E - E--+ E, U A.

;KQ; 2 8 , @ +-A(= 3 G 8! B@ @D@ @C@(2 ,@ + +B@
C 2 A ?J +B ? >++G @2 ! D !B A@ + ;KQO 9 ..
! & ' 7C + ;K<N ;NP 3C2 3 -A A@ @C B@ CD
B-@E, U A +B@ +C@@+ G2)!B ,, . @ G-> B A@2 C
B @SJ@C @A @ B E@@A A.>, C S)= $' , 8%B .-(
OQ /@ =PM ; , ++,@ E--+ E, U2 B- B @C@D A +B@
3 C B AD AD +@D -C B A@

N B@ J>J ,- +B@ @G@ $!0 8% ! ") O(

;QSL <)$ $' - PK J M ,,-A - ? G # +-E@C ,, D-
+B@@ ?-C@)--D +B A ,, +B-> A + .@+ EG A@ ! .B+ +
-AD-A2 B B ',, @A. .@ +B-> ? G@ + J>+ A +B@ !B A@ -
+B A@ G@ (M Q 9 ! !$ ' <!& 0

!>A B A@2 *(-JJ- @D +- $ ' B@A @2 A@

@ +B@C , -2 ?--A, .B+

;MOO 9 C !$ L2 # C B A@2 -C C A@2 -C 0,- 2
2 ?G $@ -,>+ -A UA- ;)L) (e < " @ + AD
%-,D2 !B A@ AD $ A ;Q<Q .)7 $1 ! . MP
@C AD G@2 EG , A@ AD B- @C 4K=< B. 8 $5 & '
4 2 @C@?-AG B B2 @ @CG A .B+2 B A@ -C D CU2 E@
A +@D >J-A J>A + , -> ,G J@C -C? A. SKKK ' . ?.(
4;L %-?@ +-C?2 %-?@ B A@2 B +@ @C E@ B,, ;K<M
' B & * $ AD +B@ G-I +B +
?-CA A. B A@ 3 U@ +B@ - B@ ,, A-+ U@@J

! % 0 OC ,, A @2 C D A @2 J,@AD->C2 ,> +C@
, - ^ + , ' B J@ -> JJ@ C A @2

T B-

;PLN C &* "$!& A $-G ' (@+ 8 CE (;L; G @
,-U@D AD@C BGA@ - @C+>-> A@W ;P) 3 . &!0
OL 7 B B +B A.@ B >@ BGA@ ^ >+B@C2 . ' XM B@ a
- G XD-?@ - ?!$ 0 < ' ;P B@ EC .B+
B A@2 AD -C+B ?@ - B >A @ +-C % ;ML=) 1
0 & ' 0 2 CB@.,-C E> B A@- G->C ,,> +C -> @C+>)
;QL= 1 $ ' + < 5 C -J'A A. +- -?@ ->C+ '
JC-J + -> B A@2 $;QQ= <) (4* , LKN B@
D@,> @ B A@ - , @,G AD J-?J-> @,-I>@A @ ;KMQ
8 .. 0 $-> & " L=O - -+B@C @ B D > B
B-,@ -?@ B A@2 4KQK 8(7 C& & ,PL -E U
A B A@ B B U A) AD I>@@A AD E EG D >JB A B@D

E !>AA A@ - D J- + -A 1($ (

4Q4# . * , (QP = 7 B + A ? U@ 3 A -
?> B A -A + A+ 8V--D B>?->5 AD !B A@2 @ ,, +
@ EC ,, A+ D J, G2 T D B &BC & ,)

4" ' $. + $ ' (

;KS< &*&! ;MP " A ?@ @,, , >, +@D +-
>+ B A@ 4KLQ . . 0 0 S 2 - @,@EC +@
+B@ A>J+ , +B D>@ B A@ AD D@?-A +C + -A ;K=Q
D)$ % 80 C+,@++ SKD-(2 - ? U@ B A@ +B ! ,,G2
; +--U B@C A@ J C -,

0 %-,,- I JBC & $. ' &) & % 8,@

C@I % & - 0(6 ! & %%+ +- D@JC @ 8 J@C -A -C
+B A. (- B -C + EC ,, A @ -C JC@ @? A@A @ +-
->+ B A@2 >CJ

;KS< = & - 1 8@D L(L= !B@ A. > B + -
?>++-A 7 ->,D + U@ +B@ B A@ C-? !J@ U@C !>++-A
4KO=) - $ 0 & ' 0(&) " D C & ' 7 U ;KPL
QL X(' ? A , A@D +- + U@ +B@ B A@ ->+ - B ? -C +
;KOQ C B) 7 U ;KP= LL B@ E U@C
*> ?J@D >J +B >CJC A. . , +G2 E>+ +B@ B A@ A-
+ U@A ->+ - B ? ;KLL Y V 0 %0 &2 - ' [550
8;KLP(=L( )AG -CCG ; D DA' + EC A. !@+B !JC .>@ ,-A.
+B ?@2 +B B) J + B J J@2 *@ + +- + U@ +B@ B A@ - -
+B@ ? '@C@ A.@C 4K=O $' " ' "55 1P, ,,
- +B@ -C,D2 + U@ +B@ B A@ ->+ - >

! 3 >@ 8:) A(2 ^J@CB > @ - JC@ E 2 E>+

+B@ @A @ C@ >C -> ,G J C ,,@, +- +B- @ -) V
J C+G2 -A , . +B@C A. > > ,,G $
' " T +@ .B+'2 $!(

;KLK = . . 0 NK - +@ B A@ @A+ -
+B @ , + SKK 6$- & ' > M)?)2 A .--D
@A @ +B@ +@C? .@A@C ,,G JJ, @D +- - , . +B@C A.2
@ J@ ,,G B@A - -A , U AD2 @DD A. -C
?@CCG ? U A.2 B B ,,@D .C AD -C .C@ + B A@

/ D +>CE A @2 C- 2 > 2 ,&!!&D(

;KLO) . E31 '. !@C > PL ! A B A@ @C@
+B@C@2 !8 A A- G J@,+ A' ;K=< B 6. < ' $' S 2
! B B A@ AD A ++G U U >J ;KPO ?! $.
&) 2 B@C@'D E@ JC@++G B A@ ? D@ +- . -
+ A +B@? 4KK< T $.) 8) &11 ") '
2 7B +' -A@ B-C @ +- ? U@ > B B A@ E->+
* 0 % J@C 2 +C U E((% 1@3 =
4KLN $' ' > . 0 L=8 B-CA+-A - 0<!& H"
" G->C U JJ@C E@.>A +- >+ AG B A@ G@+ SK = [
8 E ' ,! & - > 0 2 T ',, E->A G-> J>,,@D @? ->+2
!-?@ - "G->C E,A@ 2" D >A+ %B,-@

! & $. $ ' & 86 ! (+- + U@ A G) -C

) 4K=K 8 .. ? !& C 0 !@C " 3 G .C ->
+' -CJ -A +B@+' +--U B A@ +- J, G +B +) 4<NK 7
B .. 2 > $ V" " @ +--U B A@ +- G->
+B + A .B+ G-> B ?

+ ! I A@b d(*& (1 0 ^ ,+@C + -A - $0

EG ? , + -A +- b : !B A A.2 EC .B+

$ O 0J = ; 8 > ! * L= ,@. A 3> @
C+ ?G B A@ EC- @ ^# D '$ ' $ - *& $! +B !@
E AU@ 3 C+,@ JC @ ;P<M 1 0 A0 L B@ @
C, U@ %B ?J -A ,, A C?->C B A@2 @?E,@D @C@ A
@,D ;MNL - . Q & ' $ ' ;; S OP< !! D) - ,$% 3
1) $% 5) - +B@)@ +B B+A@ + CC@ S+ +- E@

! B A @ 8:D A(. & + AD J JJ,@ B-A@

8:JA(5-C? ' % AD C ' - (- A A2

K-) \ A2 L L - A@8A2 O = -B A@8A2 L P -GA@2
LnM B A@2 L K -BGA@2 8L A@2 = B *A@2 A@2
GA@2 BGGA@2 P B-A@ 8 (2 M EGAA@(2 = M
BGA@2 L B A@ C$0 (- A2 @ A 8 - A-A(2
O L 8@(A2L P -B-A2 = P B--A2 8-(B-@A2 = N

B-A@2 8L -@@A2 8-(-A2 B A2 = B--A2 =2)
B-A2 M B--A@(2 B-A @ '& 0 = - 8 (A2
0 B A2 = P !B A@2 = M B A@2 P B A@ 2 $.
= -GAD@2 BGA8@(D@2 BGA@D@2 B A@D@2 = M
BGA@D2 P -BGAGD2 +2 M -BGA@+2 @BG ? +2
M @BGA@D2 . B AD@2 ' B A')' . B AD2
M 8A- B @ ,G $!(AD $, 0+ B A@D C$0 **! 0
L A@A = M BGA@D2 . B A'D2 . ' B A@D "
B-A2 M B-A@2 ^8 -? @>+ +C E # 2
, '$' 8J +2 ' , '&' " J JJ,@ ' +
#5C . '$ 8 7 5C . ' (5C .P'+ #!
. '$' 0B<0"> <0(' 0 , ' ' B / -2 , B' '+
" '$' 83 " , ' '(, ' ' , ' '
+- B A@2 +- @@?2 JJ@ C(2 # . '$= > 0 . '$+(
-+B2 . '$' U 5E T . '$' " C--+ .% EG
?@ A - +B@ JC@ @A+ +@? -C? + @ '(B B
CC @D +BC->.B A+- +B@ J + +@A @ AD J JJ,@

, A + @ ->+ D@ @>+-A C@ !UC , " B D@2 B ??@C2
?-D &@C $"$ C 8/!, ,E A A B D@
-C +B@ @A @ 1C AD 0H
B@ C@.>, C +C J JJ,@ C C@ A A. 2 E@ A. >AC@ -CD@D
A # AD JJ@ C A. -A,G -B@@ 5' 0 ' ' + >J@CY
@D@D EG +B@ @ U -C? ' (B B ! A -??-A >@
, ;LNN ;KNN +B > >JJ, A+@D EG +B@ -C? - +B@ +C J +2
B B C + JJ@ C &J,@ A +B@ @ -AD B , - +B@
;M+B 87@ U -C? C@ ->AD A -?@ - +B@ -A+ A@A+ ,
, B. 2 @ . 8J + (, +@ 7 5C . " ' " 3 , " ' "
" , ' &" @ C,G ?-D , '= + 0+]

' 0 % B@ @A,G E-DG -C A -E*@ + +B +

, .B+ - B@D E@ ? # EC .B+ , .B+ +- . @
->+ , .B+ - +- ,,>? A +@ +- E@ C D A+
, - 7 +B %& " &) 0

%QOP & *) <!& 0 8" @ @, (K-S 1$ (A2 KKK
; .6) ?& 0 S2 J-AA@ @- >AA@ #A B DC>? B@- -A@
E@-CB+- + @ A@D2 UVFA@ B@-!+C ! @ ,,@ +@-CC A ,SJ--
D.6 < '0 ;P " . A-A -A B @C@ B@- @A A +AG @
AD , B+- J @-C\? 550 0 0 &'0 8 >D 3! (
A MQK2 " @C +@- @D@ -?@+ @ +@-CC \ A
?-AD @, @ ?-C.@A , @ >AA@E@ ? $5 & & $!
OQP @>C@ >AA@ J@C A@ A ,S - ? $ " ;<
A 0 0 ,(" @ + C@M E@ A->+ - ,@J@ , @ >AA@
B >@ A@A %4O<N (? =O A !" ' 0 0 ;<L
&@ !-AA@ B-A A + -A@ B-,@ ;L<N < 8 & ' 0 LOL
"# @ ->+ - ? !-AA@2 AD ,@+ + BGA@ A+- ? -AA@
1 0 ;ON B@ AGB+ D@CU2 +B@C B-A A- 3-A@ ,O=)
*.$ 8 $! P;L P !- B@ -,D@ G++ ,, D G +- V@ -A
B A@ -A - @) GA 4PNN LN /> J $ C& - SSS
> A BGAAGJ. ? ,@A @ - +B@ A, B+ OPMM < 7
6&,$ $;2 B@ >,+ C B@C@ +B@ C@D , ?@ E >@ B-A@
$/0+ 0 0 OQO 7 @,, B- @3--A@ ;MON
< 7 0 & . O< + D G E@ > @ +B@ !>A B A@+B
E- @ +B@ B-C X-A ;QNL 8 E!" 2 7B + !>A B
B-A +B + B A-+ @@A G->C A -,@A @ 4Q) ! $ &
$ - & ' ON 5 C@ +@CA , -A " @C ,+ C B A@2 OQLP # R
E&1&> 1" ' " /@ C M= 7 B@A +B@ !+-C? - @C2
D @ !>A !B A@ ->+ E@ -C@ ;KSP <)" 0 S4 2 +
?> + >C@,G B @ E@@A , .B+ A +B@ B>+ - -C@ +@C2 -C +
B-A@ +-- +@ D ,G +- E@) +B@ ., ??@C - A ' %$)) 0
SKM-) .. <!$,0 ; S ;LL B@ - . E@ ?@ +B A2 AD
+B@ >A B-A@ +BC->.B +

2 $. *$(0) P C&*($ (0 8;K=;(B@
-AA@ +B + 3 U@+B B C@ ^+B@ ?--A(- @EGA@ E->+@
B@- BGAD@ A @ + , , OLKP B H 0<0 0 O;<= -
? A B@) BGA@D@ +B@ ?-A@ , ;OPN +C - $T
& ' " ;L4 7 B A EG , A+@?@ BGA@D >J-A B B@D@
OSPQK) 8& + -++ @(& ' 0 ,& 0 8! ! (OO<
B@ -A@ BGAA + EC .B+ J->A +B@ ,, 4M=P)
$ " 8% ?D@A(O=L A A .B+ C AE- + @
A +B@ ?-CA A.2 AD +B@ ?-#A@ B A@D EC .B+ ;QQM).
$ 0< , S, ON; B@ ?--A B A@D EC .B+

E # +B@ D G - E@ >AAG -C EC .B+ , -2
+- D A %B @ ,G *& (

4LKK 9 . 1 $ (SS S A +B@ @>@A*?. - +B@ B-+E2
+B + @EGA@+B ^ >,. !), W A +B@ C +@ D G- +B@ -U@
;PMQ <) %%<& ! ?(8! !(<P ! +B@ .-,D A ?-CA A.
BGA EC B+ $;PQK) 8& + -++ @(& ' 0 ,& 0
8! ! (+ L<Q F D +, U +,) + +B@ D C G B+ E@. A@ +- BGA@2
L% [> = . C((, ;NK 7 @ A D ? +B@@ @C@ +B@
3 -CA A. B A@ OQ) < S A > +- ?@ +B@
? ,@,A. 3-CA A. B A@

?J@C) ' + >AAG

%4=F< ? " ' ;LSQ B- +-U + A--A B@D@) + B--A
B--+2 ;PQQ B) 10 8;KQK(=L + A--A@ + E,- @+B2
+ A .B+ + B A@ OMO : . 8 7 +@C & ($ 3
,& - & $' =2 -CD A. +- B ?--D + C A@ -C B A@
L J ' 8 ' !0 & 31. (8;KKL(=LM OG AD EG
+B@ >A B-A@ ->+2 AD + B -A+ A>@D +- B A@ AD B D@
@ @CG +@A ? A>+@ @ @C A @

D & ') *& ' M +- ,--U ->C E,G >J-A2 E@

->C E,@ +-2 D - + C2 -C 8 A E E, , A.> .@(
- +B@ @ - -D $, (

> %- $/) -0 OP B@ -CD@ ? U@ B @ +-
BGA@ J-A+B@ ;PMK < 6 QNQ -+ +B + ADY
A.2 +B + -C+>A@ B-A@ -A BG? A -E+@GA A. +B@ +-C @
. GA + +B@ C @- 7 C U@ O/0? L 0 (
QP " @ >@A AD->C DG .C -> B +B + J,@ 'D - B A@-A
?G -A+@?J+ E,@ @ + +@ S!S = ' 0 A P; B@
-CD 3 ->A+*-G2 , U@ .--D &, A@+2 +B -C+>A +@) +
E@. A +- B A@ +B@C@-A 4M=K 8 .. 0 & ($-Q
- &' OP - 2 7 @ C@ >C@) +B@ .--D ,, - " ? B- D @,+
A +B@ O> B B B A@D >J-A > >0 B $ - ' $ "
A 0 & % ,& 2 3 G U AD@C + C 6J-A +BG -C+>A@ B A@`

O # ?@+ ,, 2 J-, B@D2 ?--+B2 -C ., - G

-E*@ + - E@ EC .B+ -C C@ J,@AD@A+ +- .,@ ?2

., +@A2 -C ., ++@C +B C@ ,@ +) , .B+

, K<Q .6) < & "> C$ 0 0S KK! @ -A b?
? @ @BC @ ,@ A H $ & ' 0 @A (-A)@? A. - C>?
E,@-? + + G!C @A@ + A2 $ S--- - & ' > 5& 0 ;OP
8 C (! @ A C @C-D2 G,D , S+-A ,OONP 3 A>J%O
! @ D@ E, U @A E>CA@A @?@A2 ;OOP 6)!$'$
3 !(" C@ A@E B@ + B+A AD@ H? !!((B ?,AD@,

```
, B@A@ (V@ >AA@ $! 0
B + A- @C A@B .-,D , +V + +@C B?@W $ S<-- ) P T
K=K= !+@D + +-D@ HL ? CE@, + A2 #AV @CC B@ .-,D@A
,@++@C A ;LLK $ + , " &'( )%_Nb. ;=K #
.-,D B-A@B -C->A ;L ( 0 !! 0 C( KN 7 G+B
BG?@CGA. B@A@ >, BCG,,@ BGAD@ SL)
# , &!0 ;<K " B@@D 7 E ,,@D2 B)+ B--A AG
., , ;)QN <&!0 <$2(ON TB C E A@C B A@ +B +B@
-A@2 - ,>@C AD E ,, ;PLM 8 ' . S N& "
. C?@A+ BG+@2 AD B--A@ __G$ T !&2
&% * ( QL " +-A.>@ D D , J@2 B .@ B AD@
^ 9 N N N CK N]M # '+ +B@ !>AA@ +B +
? U@+B ,, +B A. B A@ G : C 0 0 PNK B U
+B J CU, A. -C @A+ @??@ B@ &-C+ , V S
) ' ) 0 0 = C$ * A 8;QP=(QK B@ B @
" -> @ B A@D @ $ - 0 0 A+C-D PL B@ B>.@
B ,, + E,@ - U@A @2 ! ? EE'D + ,, + B-A@ SKM- 8 !
<!' ,0 A OL) C--U' @ +B@C ? G E@ ? D@ +- B A@ +B
? .A @A+ C D@ @A @ KKK ( ! 6?.0 ;;K
%,@ C B A@ +B@ B ,,
' , *$ 0 $>J> 9 "& * ) 30 0 S
7 B@A +B@G +B@ C B@ - $-?@ AD ->AD +B@? @, @
B-A@ C->AD E->+ +B 6 \ AD .-,D
E - E@ EC .B+ 2 0
SM-M ' 0 0 " =P #>C + ,G2 !B A@ -'C@
+B > ,, ! -CD c_<< &!0 C&! , . LQ B@ !+C@@+
A +B@ @A A. @ @CG B@C@ B A@D G .,-C -> ,G UB
O-A@BC@ ;KKL $ 7 L $'& ;; MK B@ ,+ C
B-A@ 7 +B .-,D AD , @C
L - E@ C D A+ -C EC ,, A+ +B B .B @-,-AC A.*
C B CC G2 -C +B@ , U@ +- E@ @ >,.@A+ 7 +B J,@AY
D->C -C E@ >+G +- ? U@ EC @ B- - $ 0
&_c ?!, .!0 & '0 Q !@- B +A@ _V C@,, A A@B -A
%;LQ! ) & 0 OLM<M 85 C ( 3 A ,->C A@>@C ? C@
B@ -,->C + A@ E-+ J C D ,,@ B> B A@2 $ ;=NN C E!
, % ) $'' S-M 8 3 ! ( J@ >?J@+2 % B@>@C@,,2 b + B-A
-J-A B@G.B+2 , ;=PN .> $! ;LO J@ + - -G?@A
J + BGA@A J GA. ,, -JGC2 @C + - -?GA -G?@A
%b(< B . ' ;ML " @C A@U B A@, U@ >A+- +B@
C- @ A 3 G 4!QQ : ) . . !&2 8 * 0 K=E2
A ,, +BG E-DG E@ +G B A@ 2+EG -CB@D B A@+B C
8 # 0 M= 7 B@A C, DG' @ J A@D2 )D
G@,,- JC@ D B@C@ C@D -A @ B A@D ;QK; 8 1 ) QN
^ B@ JB@ A+a C@+C@ + - +B@ ,- @ -J @ AD B A)
+B->+ D@ C A. +- E@ @@A S! . ! - A) ' '' (SSS ,2
7 @ C@ -?@ B + B-CA - ->C +C A2 E>+ G->2 -> C+2
?> + B A@ ->+ -C > E-+B c << ?'&) ;QM
" @C, .B+ --+ !B-A@ C- G B +@ % <_ . . ( 0
; 2 ! - ?@ @A+@AA ,% +> ,- @C2 B B +@C @A+>CG
- +A. B A@ ->+ -C B->C c _ B . . 1 '
$1&$ %&& A +B@ .-,D@A ?@ D- 2 B@C@ +B@ - , J
AD C- --+ B-A@
! 4> C -> . JJ, + -A 8 P AD M(2 +B
C@+@A+ -A - , +@C , JBC @-,-.G2
, S--- 0 <& *0 3 ++ S =L J-AA@ A D C B+ A
>AA@ -A EGC @D@C C @2 $500 ' , 0 0 O=M2 \
+@ - @ >AA@2 J@+ :@ > %C +2 B A@ ) C@ +@C B@AA>C@
+-E@ ->,@ $5" ) & 0 ;OPQ= J@ ,@CA@ @, - .-DD
, .B+ ! B A -A B ? ;LK 9 . 1 $ 0 ;M !- BG*'A@
L->C@ , )+ E@ -C@ ?@A2 +B + +B@ @@ )->C@ .--D @C
%4=NN &-0 & PLPQ 7 B A $ B@ @ BGA@+B EC ., )
- @ C@ - @C@+B .@GA B , .B+2 , ;=PN 1 3 % %
0 < !1 S 2 B@C B-A@2 -C @,, BGA@D2 A J@ ->,@
- J@ @ -?@A GC E@>+@ - JC@ -> J@C,@ 2 - @ E
.-- +,G C B@ @ 4P M ) . O & 0 M + .-D 2
B B B +B BGA@D A >C@ E@C+@ 2 -C +- .@ @ +B@ , .B+
- UA- ,@D.@ - +B@ .,-C -> .-D ;PLP 3 ) . $0 S
O -C +B@? +B + D @, A +B@ ,-AD@ - +B@ B D- @ -
D@ +B2 J-A +B@? B , +B@, .B+ BGA@ ;P<= = . 8 \
( &;; =K; A B- @ +@? @ B A'D +B@
I>@A B,@ C@ SM X " '10 =QM B@ $ D A+
%G?E@,,A@2 7 B B B A@ B@@C@ A +B@ 7 @ + ;MP= MM .
C$ '0 8;MQM( O;O C+>@2 .C@ +@C +B A @>@CG@+
E D B A D -A @ C+B L ) $1! &C@ % O2 %B > @C
C->.B / ?-AD2 AD ?> + C + E@ J-, B D @ @C B@
B A@ ;QQL $ 8 ) M B@ C @ CAY
A. 2 > B ->,D -A,G B @ B A@D A D CU + ?@
;KLQ . . 0 0 2 5-C @ B ,, + ,, AD
" -J@ B A A.2 ? ,D B@ @A,G , .B+ + B-A@ C@D
-A , .C + -A + B A@ ;K=) 9 . "? $) %)!
$ " S 2 " - E@ >+ >, B@ .,-C -> .@? !B@ B A@
E- @ +B@ >??@C D D@? # ,- @C
. # J@C -A - E@ -A J >-> -C EC ,, A+
A E , +G2 B C +@C2 B @ @?@A+) -C J- + -A +-
E@ @? A@A+ -C D + A.> B@D2 +- @S @,
>&RR +C ?$ ( . S 8;K<N( == !@ A ? D @ @
$-? A A J@-D@2 @ @ ? D A.@ @ A \ ECGB+@
, a<_b ,0 0 $ ' "$ HH04 $, & +3 H CL0 ? A +B + B J@
- B ,GA@ , %]RR *&!0 &!!0 =L @W BGA A J@ @C+>@
%]_] L ;; 8;KKL( M< " + E@++@C AD ?JC@
A-E,@ +BGA.@ +- BGA@ A .--D ? A@C +B A > G @,,
%bMR B +C ! E $ ) > &- -0 #8# - BGA@ E@ -C@ +B@GC
,- U +B B-A@ + @S ?J,@ - 7 @ cM]_ . ' T
1( ; e c<% " @ B A@D A +B@ " -> @ - &@@C _%R . :
$ ! - O== 5 A ?E + -A +- @S @,* -C2 +B@ @C?
2 +- B A@2 A %-?J AG c_]_ " 9 .1 . 0 & $''
L :>,G2 7 @ B A@ + @ + - AD -C+G , - +B@ / -? A.-
,@@+ B @ ,,@A A+- ->C B AD 2 S ) ' . , ' &%
% ;SL B + > @ A B B OC + B ,->C, ) D - - +@A
B A@D +C >?JB A+ ;KSK %) $'' SS , 2 +B@C@'
) +B A. A B B B A@2 ' A CC A. A. ,, ?G C @AD
C ;KLM . 8 .. < , S > $ "@ A@ @C
B-A@ A -C +-C ;KP< %&1 &%< 0 &, " S L=<
B@ J@-J,@ B- @C@ +>J D@ + E@ -C@2 >DD@A,G B A@ ->+
I> +@ EC ,, A+,G 4KK< $ * $ 0 3 C PM; ; B@C@
J@ ,C@ -A B B ? D@ ?@ C@ -, @D +- B A@ +
+B E ,, + B +@ @C - +
M # -?@+B A. ?? +@C , - JJ@ C +B
-A J >-> ,@ CA@ +- B@ EC ,, A+,G @ D@A+ -C
E,@ +- + AD ->+ ,@ C,G2
OJ&+ ' 1 . C & $ ;O A " .G @ BGA@
-A+@?J, G-A@ LKQ 3 '' 8$-,, ( ==<
A-E,@ W-> @ BJ-A EG C+>@ A J + , +@, E-DG ;=)
<! ' 3 $2 3- 8! ! ( M " .C@+@ E@ >+@@
BGA + E@ -C@ ,, -+B@C ;=Q; L ,)" ! 8! "A
?@C( O=Q ,,@ .--D ? AG@C@ E@. A +- .C- @ AD BGA@ A
BG? $5 2 ) ,$ $ ;; 8!-??@C( ;OQ&2 B@A
```

```
B A@D --C+B AD@@D@ ,, ,->@ ?-A. +B@? ;P<= ( 9
,,!0 C&!0 S e< B@ @D-? - -D2 B B B A@+B
A +B@ E@ + >,, C @+ @ - ,, +B A. ;MLL :
$ &% &'0 2 B@ C@ @C@A @ AD 3 *@ +G - ,>A-
!B AD@ B@C,--U@ ;MMQ : C 0 0 E@I &C A @,G
->A @, A B @ G@+ B-A ;QOP J $ " 0 S NR] A
,, +B@ G->+B B +B@C' ? .@ B A'D ;KPL % +
!! 442 7 B + >A B-A@ A B @G@ B@ C@ ,,@D -?@
- B@C A@ J@@ B@ ( T : ! O ?&&!>
! 0 2 " - +B@ .@D ,--U D@D - B@C -CA @2 AD
+B@ @@+ JC@++ A@ - -C?@C D G E@. A +- B A@ ->+ . A
E - E@ ,@ C,G @ D@A+ &) A ->+ CD
JJ@ C A @
^L@ 9 : < '0 ;; $ ]R B@ @ -,, @ C@ +B A
G->2 AD B A@ +BC->.B G->, U@ +B@ +@C A A C A ,,
%MR ] $,10 ;OK 1->C !J C + B A@)+BC->.B G->
(M : &! %%$ K $L S, ;LK - +B@ %->AY
+@A A @2 8+BC->.B B B J@CB J +B@C@ B A'D ,->@,G
3 @ +G ( ^ ( M 0 ) ( & %. 0 L;
4 B@E E@ :@ > A B@C C?2 +B B 5 +B@C B A A. +BC->.B
B ? ^L 8 ! $ 0 < $ ' b]b 1A - ' C> +@D
C? 7 @C@ ? B JC A @,G J@C -A2 E>+ +BC- +B@ @ &C A @Y
, U@ B E@ C A. B-A@
i 2 & ' &) +- E@ +C A J C@A+ 1 0
;MQP . 1 ' G &OO& ONQ B ^C@ -A A.a @CG
+B A !+>, + B A@ +BC->.B
K $' 0 - B@D, .B+ >J-A2 ,,>? A +@2 $ 0
$JO 3 [ ?$ 0 C0 ( 2 S 8;=<P( LOP B@
?-A@ , G B ,@ !BGA@D - +B@ -AA@ $ $>++ :
" - '&. & &-@+ 7 U " LPL -D B A@ B !-A2 +B@
!-A -D B A@ C@ ,@ +
- > @8, .B+( +- B A@2 @? + 8C G ( , -))
^X C - " N!/ " @C @G@ B A@ /
->C+@ @2 AD .C @ ;P<N ] &&'!$ 8SM--( L2) G@
+B + , .B+@A AD D-@ B A@2 O@ ?@ - ,->@ +B + C@ D+> A@
\ IG " * $ .0 <!& " 5 N -D B A@ -C+B B
D-?2 >J-A +B@ -C,* MM( " &! ;; S
O;; + E@ ->+ EG C@ ,@ + -A -A,G2 +B@ E@ ? C@ C@ @CE@C +@D
EC .B+2 +B@ !>A +B + B A@ +B@? )XD 8 9 !
&' 20 2 !B@ JJC- B@D2 B A A. ? ,@ >J-A ?-AD2
E - B- +B@ , .B+ - 8 , A+@CA(
%?b & " " ? 3( $ & %&!. ? &$ !$ '
SSS + ;NL B@ J CC- + B@C -?@ - A .B+ AD B A@
B C .B+, A+@CA2 AD +B@ --, B2 E CD ,G + + , U@ ?-+B
+ % AD,@
;N & ' &2 ' +- >CJ A EC ,, A @
%M(< 9 '0 ! !( ON B@ 5C@A B , U@ "@ +B@A
-D !B-A@ D- A@ +B@ A., B SKMM ) 4 2
$! <& ' SSS 2 T U@ +2 7 ,+@C'2 B@ -A+ A>@D2
T. @ + +- B@C +@,, B@C B@ B A@ ?@ D- A "
B - DC @ $2$" EG B A A.
c ] ? , B. 2 -+ B@ >A,>? @, %->,D
B A@ G +B@ D CUA@ - +B + . J
> - > @ +- B A@2 J>+ J-, B -A E0 0
8 A ,@ +@D ' >+ +- E, U 8E--+ (
%M(<$ % $1! !* .0 8@D L(2 $ ' ( B A) @+ .,- @
J-A ;KQ # ) ! $1 OQ AD +B-> B A+@ + +B ,
+B + +B-> A ->,D'!+ B A@ +B@ @ E>,.G -,D E--+ -
? A@ SKQ # 7 ( " C& ? $. 03 0 S 2 -AD@C
+B@G ->8D AD +B@ @ @A EC A B@D .-,D@A AD,@ + U
B->,D , U@ +- ) A@ + >J 8) > @ ?G -"-I>, 6 ? (
4KQ! O " $+)+ & % *& =05 ` Bd% ;KK !B A@ G->C
E--+ 2 C SKW B 0 > 0 - * & ' S2 7 B ,@ B* , C.@
E--+ B @ E@@A @CG EC .B+,G B A@D EG +B@ E--+ E, U
;O E 0 0 = ) ' - +BC- +B@ , .B+ -
, A+@CA2 @+ -A 8+B@ @G@ - A A ? ,( +- ,- +@
+B@ J- + -A - 8 A A ? ,( *A +B 7 G
K 4/ G 8 "$ . &'0 C ' ! %M& 8O C+,@++
0 - 0 M)? 1-> @@ +B@ G @ D- +- B A@ +B@
D@@C' @G@ +B ] @ B-,D +B% J A - +@ -2 -A +B@ ,@ +
B-6,D) AD CC @ +B@ .>A + +C , A +B@ C .B+ B AD
% _] ! " /0 S - ,$' - P=; / A @, 0--A@2
B ,@ C@ B>A+ A.2 B A@D J C - ? ,D E,>@ @G@ B B
+C> U B ? A-+ E@,-A. A. +- +B@ . ?@ B@ @@U A.2
SJS- $-- )GC <$ ' $ ! 50 NNM 4 B D D - @C+
+B + +B@ G +- . @+ +B A- +>CA , A ? , EG T B A A. "
+ +B , A+@CA + A .B+
!B S @, ! 2 ^ ; 9 i !! a 7 +B
-A+ EC .B+A@
SKK = ) .) C ', ) 2 D>,,2 B A@
,@ + , .B+ ,,@D +B@ J, @
B A@C % ? *( ^ N" a
%$ A -E*@ + +B + B A@
4L<K 8 ) ?$ 0 C 0 0 S )%]&b. LOO B@
-AA% BGA@C - B@>@A 0 %) ! & &!" - * ]( M)
( - *! ( - $ O< 6 AD@ >AA@ !B ,,
+ G2 + ,, @ B @ D-A@ ,, A. B A@C SM P K ,
! 5 , ' 0 + $! $ 0 OL< # E,@ @D B A@C2 +@,,
?@ B +B@C B-> ,+ E@ .-A@ B@A A .B+ -?@ B +B@C
c_Mb : + M 0 " - !0 %]R 7 B@C@ G-A .,- -C?
- CA ; D @C -A 2 G-A B A@C A +B@ D CU2 E@ ;K==
9 .. $ " "$' 2 LOM AA-+ B A@ C E>+ A @@
+ C ] C@ +B@ '@ A-+ -C B JJ@C @,, B A@C ;KP<
5 : ! !0 ( C &) =NL ? ,, + AU, A. B A@C
A +B@ D@ A-JG- B@ @A
0 * 0 !-?@ $> A A +C>?@A+ - +-C+>C@
;MLN ^5 # .C$ &-$, $ ? O< A,@ @+B->
-A+) @2 +B@ $> A !B A@C 2 +B@ ! -++ B O--+@ 2 AD
&@ C@ - %-A @ -A B ,, +-C?@A+ +B@@
% * 0 %- A2 ?-A@G2 *0 - @C@ .A -C .> A@
- ' (3( , @C -C .-,, - A2 !$' 0
;QMN '& ;; 7 U ;Q<< Z Z ,- D -
, AD A+ B A@C + B ?@ ( M B ' '
' 0 ML B- B ? B A@C2 ;KLK F 9 0
2 S S2 + -C+B +G B A@C @S+C 2 +' @,G D-A@
C-? +B@ ->+ D@ ( ( : ! / ,$!* ) ' S2
7 6 EC A. G-> ?> @ ,- D - 3 S 6 B A@C ;KKQ
V V " - $ 0 7 +B A ? G J>C @ ADJ- U@+
C @ B A@C
D ? CC-C * ,( -A@ > @D EG B@ +@C + CD
SKS : " S BL !$ , ( ( ,--U A. .,
;KS< * & ' $ 0 8 ! ( OLN "@ +B@A U@D ?@
E D E->.B+ B A@C A B ?@ A ., @ ;<N< * E ?
```

```
;= >. P;P O B@ T B A@C " CC @D @J C +@,G A +B@
J- U@+ >A+ , A@@D@D2 B ,@ +B@ . ?E,@C ?-U@ +B@ J J@
@ ,&!!&D0 ,U B +
$ %> - - ? .0 ' ! ' !0 ;P= + ,, E, U B +2 -C
-A@ - +B@ .@A> +@C ?@D T B A@C '
/ #A@ B- B A@ #A@ B- @S @, -C
@? A@A+
SKX- *! ' &!! ;NM " @ A@ @C -C?@D -C
B A@C +BC->.B , @ ;K=Q ' .. 8 ..! ' ( ,@ @C @,,-
Y
E2 *E A UA ?@ -C +B@ -C+B> ?E@C, AD
5> , @C 2 -C?@C,G +B@ P+B 5--+
S!JX ( $ 0 ?& 0 4 4 L ; B@ P+B J-J>, C,G
UA- A +B@ !B A@C '2 C-? 6 A?C+ JJ@ C A @ AD
++@A+ -A +- J C D@ D@+ ,
2 E--+E, U
SJS ' 0 - S- K A - -A , B +@ @ ? G
E@ @@A @ @A ?-A. +B@ A- G B A@C E-G 2 AD +B@ , ++,@
B +@ B A@C -CU -A+ A>-> ,G
JJ, @D +- C -> ? ,, , @CG B@ +B@
G->A. - +B@ ? U@C@, E 0 0 AG - C -> ? ,,
C@ B +@C B@ 2 B @ ,G GJC A- D +B@ D @
@CG <&! '' ' ( B - +B@ .@A> &- &') 0
E S , ? 0 ;O= B@ G->A. 3 U@C@,2
B B C@ ,,@D !B A@C 2 C@ C-? ->C +- S A B@ ,-A.
EG +B@ @AD - >.> + % <M : / $) '$ ?& 00
- 0 ;OO "* '' 4 ), ,) + , " &! ),$ 000!
1-CU !B A@C EL T S A ?& 0 "* !0 $ ( 0
,,2 LL< )5 !) E - $ ) 0 B@ $@D E@,, @D !B A@C 1 (
L=; 0 - ! 0 B@ !J-++@D !B A@C % ]] # 7 ( "
' ? . 0 ")1 ! =M #E2 B + C@ +B@ JC X@ @ J@C B
+- A - +B@ C + , ++,@ T B A@C " @ >.B+ +B J A
- 0 << B@ T ! ,-C' %B- @ 9%$E@ C
@ @C , -+B@C A ?@ +B@ T &-C.G " AD T !B A@C' 4K<L
) ' 4 4 ,, K< O .-,D@A B A@C E->+ @ A B@ A
,@A.+B
E ! 0 & ! " O 8 A ?-D / @+ (
$ 1 0 '& 0 / ]
$ K$ 1* . O / ! $
I<PN ' % <& *( 3 CU S O= /@ ?-A A@ @,@M
A @ B *! - & - ) ' ]0 $ %<RR ) & ( OLMKK
J + @A@ B AA@ H< 0 J@ B@A@ @ A A._ - C ++D
/ 3 !
8 8: ..',(2 5-C? L - A-,@2
< M !2 / ] / ! / 2 /
/ !2 / 2/ /$ ] M 2 /
/ b 2 / 2 2/ bM 2 2)/
M )/ 2 )/ M ). M / 2/
2 2 ) / 2 / M?_ /_ ?
= B A.,@ ^3 2 , ',!( "' !( JJ2 C@JC@Y
@A+ A. 8 +BC->.B A 5 ?-D + -A( , ' )!$(
, +@C -C? - ,$' )!$( -??-A,G B@,D +- E@ D>@
+- +B@ A ,>@A @ - C +CS+ ! 4 +)
, ' )!$ C@JC@ @A+@D A @C? A EG # " , ' $!$(
, ' !$( 3 " , ' !( 8 , - ?-D ( , ' !( 3 . '3
! ( 3 /> , ' !0 ). ,$ )!$ J @D
A+- $- 6 ? 5 , .$' &! 0 + $' &!$0]
+B A J @ @ - --D B A. J C ,,@, D@
AD -A@ @AD +B U@C +B A +B@ -+B@C2 > @D
B-> @ + ,@2
, 50&& , ) <P +@ B-J@ C- AD CUcZ
,,@ !@ B C@ E @W E@A@ @A ? D M@ +A ,@ - B-6@ -B+@
%4LNP $' &.$" ' PQ A 0 0 C 0 8;KMO( ;PQ J@ A.,@
,,@ # B@C B@ ,- +@C E->C@ AD B ,,@ ) 4LL! ) A O G,@G
&2 &' 0 8;KO;( JJ J *2 +@? A D@ @ + E> >,)@
D-? A C@. A --J@C+>C 2 BGA.,@ 2 -I>A! 2 J +C A
\EL 8 ) ?$ 0 C 0 0 S ,S 8O-D, 3 ! (2
B@ , JJ@ A ,@D J C+@->@C +- J@ C +@C AD +B@C-
B-A.@J , ++@ 2 + ,@2 AD B A.@, ;= &,( A 7C
7 >, U@C M;N ;L , ' )!$( EGA.>, ;PSN 5
&,$1) !$ 8 7 D@ 7 ( O E2 ,$) )!$( BGA.G,:@ ^ a
' O 1$, > ' 10 ;; 8;PKM( ;NM !B A.,@ 2
C@ +- E@ >++@ E@+ S+@ ? DD@ 7 A+@C2 AD +B@ E@. AA A.
- +B@ 7 @ +@CA@ 7 AD@ \ L\ J ) *0 0( * $(
, +B2 A.,@ L O C " 0 ,0 ]_] !B A.,@
C@ +- EM JC@ @CC@D E@ -C@ B + B %_ b < ' !0 $ 0
;; =< B@ B-> @ C@ ,?- + ,, - --D2 - @C@D +B +B@
?@ +B@ C-- +B B A.,@ G* #
- 0 8;KOO( L;Q 1->C B-> @2 - @C@D +B HD C B A.,@
SKKM B ' C - $ O<< B@ :>C -++ .@2 - @C@D
+B +B A , + A@ B A.,@
=1+ ,&!! , ( ' 0
, %<<R 0 !0 b _] C+B->C ?-+ -A B@?V >A ?,@2
!- -A J@ A.@, D-J@ J@ E ,@ %4L=N &- - $! 8!U@ +(
] % &) &' !&), ' ( " ,D@ +B + ,@ -C +B BGA.,@+2
, %]]R C$!!$ 0 &'' ) 10 SS 2 "@,@D @@, +B EGA.>,2
+ ,@2 -C EC--? ;PPO A , $ &!0 $' 0 )% _N. ,,, %N 5-C
? UGA. * +B- @A - EGA.,@ \ 6*B ? D@C SS S %bb_ +>
&* .0 C$ ( &,) - ( )%&R<. b $@'D - ?C C -C -,D@
!B@A.,@ + cb_b 1 0 Mb 5-C -A +B- AD - BGA.,@
S Z % _ S , '0 0 &- -0 %<N B@ C C-- '
B A.,@ -C - +B + B % && 7"< B.) 2$ 8 2 0
2 ' &2 ,S2 B@ C-- - @C@D +B - U B>),@
E . JEC 8-C . > +C , A -,,-I ( ' !
& T + ,@,-- @ D - -A@ B- ?@A+ ,,G
D@ @A+
% b = B ) ' *& B @+ A- ? A B A.2 A
-,-A A JBC @2 T B A.,@ B-C+ " +CG +B ->A+CG SK)
= ) $ $ 0 S 6 ' @ E@@A . @A +-
>AD@C + AD +B + J-@+ C@ > > ,,G E ? .,@ B-C+
'0 J @ @ - E- CD 8% ' !& $ 0+
;KLP ? & 2 ,-A. ,- 7 E ,,2 E> ,+ - C->.B
--D , A@D +B B A.,@ % Nb # ( . ? &0 "&'$ $''
,, ;PN J @ @ - B A.,@2 B B B@ JC@+@AD A. +-
B ++,@2 +@C +B@ B -A > G->C T A +'C , 1 \@
4\= $ 0 .!" ' ( ;S= B@ E>+ ,- C2 E> ,+ -
B A.,@ % &] 3 I $-*$ ' ) & 0 ;=L2
; B D A@.,@ +@D +- JC- D@ ?G @, +B B A.,@2 +B ? ,,
B-,@ 2 A D E +- J, @ ?G ,- @C 2 +- ? U@ +B@? + AD
>JC .B+
D E 0 ( ? ,, .$ E- +D
```

;K=Q : 3 - .) $ - $ ' 'C&. , !E _55H ` 9&+(B@
- D ? ++ A @` B B C- A@D C- ? B) ,@ - @C +B@
D--Cb SKMW ' . .) 2 ;L; 7 B@A \ B - G B A .@
B ->AD E->+ -C - + B@ C@*> G +- + U ->+ E
B A .,@ ' ;KQ< B 7 N 0 ;N " @ +>D @D
AD B>A . ->+ E B A .,@

O $ 1(AD &-1 " ' ! !$ '(!$" ' "
3-$. " 32 H B A .,@ E- CD @A @ 2
OB A .,@ A ,2 A , > @D A S A . B A .,@ A
E> ,D A . B A .,@ - U2 =$+ +B@ , >C@, - U2 A) ,)
-1 ,$ $ =1+ +B@ B@ - U B A .,@ @ @C2
--D 8 @@ I>-+ (

!@ @C , -+B@C -?J->AD C@ . @A A 9A .B+' (
, (AD +B@ C@ @A+ 6 ! D @+
;LNN ? ?!&, ? .0 - $! " 8$-,, (;<O 3 @A> E-CD
I@ ,@? JJ@,@ E CG, E-CD -> AG)@, E-CD +- " 9+ 1
&"0 OKM B@ C-- @ C@ ->@C@D +B B A . @ E--CD@
;MLQ ' 8) &"$!! * ;L A@D +B B A)@bE- CD 2-C
A -+ J, AU@ ;KK; ,$ & - ;= 3 G2 B@ @ @,
B A .,@D D@A ;KMM 7 ,0 C , S 2 =)<
)!E A .,@# G A . -?@+ ?@ J D EG X +B-> AD2 +A
A .B ? $ & ' ,8;K<=(=M O U@C 2= !B ? .,@
3 U@C2 ;KLM ' . B !&, . - (!@C 2 B A)@
? U@C' B@D B 3H ,,0 $ - 1 !0 =5d+` ?+ > 0)
A ,2 B A .@,A@ ,2 , +A , %bb] A &* 0 $ 0 &,) -0
8;<NL(PP " , ?- GA .,@ A G,@ ;KMQ C[M % $ ' C
& " 7;H "@B D E@@A UA- A+-> A+ - AD B A .@
E- CD ? , -C B A .,@VA , (M= $*0 & - Q<
O ?E--J A 2 C@> @D E A .,@ A> , (B
< $ 0 - 0 C!$ ' 0;=A) , - 1 ,$ $
8 !B A .+@ # U(% & =) $ C!$ %% $!(%b
$)$ $! , $2 !B A .,@ # U 2 ?%- + !B@ - U KMN
' 0 - 0 8@D L(2 ! G $ " -CU? A
B- DC@ @ B A .,@ ;KQ %->@ 0 - 0 ? =M
! ,@ J+ +-E@ ?EC +@D2 -C S@D !B A .,@ 7 @ (M]
< !& $ ((!$ ' QKQ !B> .,@ - -D
.$ $!),$.$0

E J A . A+- $ B(f =$+ -A +A . - 2 - @C@D
-C E> ,+ +B2 B A .,@ 2 ' ! & - " ,&%: 8)(
> @D A ? U A . B A .,@ 2 ' ! - $, ' T
(' 9 Q 3 7 % P 0 8;KM=(O=P 3 -C@ J,@ A .
A +B@ .B+ - " @ ,@A +B A E> ,D A . D-O@A B A .,@
B>C B +@@J,@ % %& NR] (! % $V !U OU
8;KO;(O<< B@ ? -A@C A @ +@D A B A .,@ J , @ A +B@
,D@CA@ ;)K P= 9 f ! 3 &&% " B A .
C-- - @C@D +B B A .,@ 2 $ % bR = 8 7) 3
2" !$ S 2 7 B@A +B@ B A . @VC-8)(C A . B CJ +B +B@
C A) % b) 0 $ " ! 3 - $, ' A
?@C A ? B A@ -CC A .2 B A .2 AD*- A+ A . B A .,@ 2
B B J E,@ - ? U A . LN2NNN J@C D G 1 0" ! 3
- !!(? -C >++ A . J, AU -C ,- . A+- B A .,@
(M *(E0 0 & - - (,0 8 KM<VPM O- CD +) B A .,@
> . C B-> @ % && 7 "< B .) ,$ 8 & 2 &2
42 B A .,@ C-- B@ ->,D B @ -C A-A@ + ,

!B A .,@8: 'I.',(2 5-C? M -B A .,o 2
M Q ,(BG . , 93 3 A .,@ ^# -E >C@
-C . A +B@ -C? +B , 3" B B C@ -?@ B +
+B@ @ C, @C AD C@ ? A,G ! AD + A ., A2
> . . @ + A@ B- - C . A 8 . B@ B A .@
- , 3 +- .3 J C ,,@,@D A +B@ B +-CG - 3
bO B@ C@, + -A - +B -CD +- -C !
- C @ AD2 ? , + -A@ 2 5C ' 8, C.@(
.C @,2 A-+ ,@ C2`
%$!? , C->AD B +-A@ ,-- @2 +@C -?
J@EE,@ > B C@ ->AD -,,@ +@D >J-A +B@ @ Y
B-C@ &!! , ((
$ %b& ' B " 0 $ PPM %B A . @ AD .C@ + +-A@
E@ A . U-C E@D A +B + @CG .>, @ %MR 0 $ 0 0
,& 0 P;Q O C@A ?@ " @ BGA . ., @ , J D@ >J@C C J
D +@ I>@ (M(A 5 $, ,0 & ' (?) ,& 0
8;KQN LOQ - > +B@ G B@C E - >+- E@ E >U +@+
+B BGA . ,-A, @2 AD A- B+ +B + GA@ M b '
+C $ T (*)$ ' P; A +B@ !>J@CA@ @
C@JC@ @A+@D +B@ 5,--D 3@ AD@C2 A +B@ %B A@,' -
B B2 -A@? .B+ @@ !J,@AD-C- &C@ -> !+-A@ 2C@JC@Y
@A+ A . E C- 6A . >@ 2 B B%B3),@ - %) ->A ,@
^@+ a c _ 9 = . & ,(& %&! . 8 / !(2
! " .C @,2 C@@ C-?D C+2 % & $ 0 ,,0 ,&!44
OQ B@ >C @ A-+ E- @ - -+ -C ;K A B@ C- ? +B@
B A .,@ % R) $ #S# B +C +>0 A-+
E,@ -A+B@ @ E@ B2 E@ A . JC-E E,G - @C@D +B !A .,@
-C +-A@
2 %M M C !0 $ (4 NOQ B@ B-C@ C@ -C +B@
? - + J C+ ADG2 E>+ -A,G A -?@ J- A+ +B@C@ - ?@
B A .,@ > J %_(' 8 L $ " OK !@J+2 9 -+ +
@+ B AG ?-C@ !B A .,@ C-?+B@ J- A+2 +# ?@AD+B@)> @G
%_ ' 0<$0 8@D O(2 $? @G2 A +B@ ,@ - 3 A2
+ AD A . >J-A E@ B - ,-- @ AD2 -C B A .,@ % <<
C ,0 < &!0 OQ; ' -,@A+ AD +C A @A+C> B -
+@C B B +-C@ >J +@D C- 6 + - ' .C@ +D J+B2 @S +@D
,,@G 2 . @ C @ +- ? ?@A @ E@D ! - B A .,@ % M T B) "
! $! - $ (@+ OL< A D B@D +B@ E G+BC-> .B +B@
J CU . +@ 2 @AD A . +B@ B A .,@ DG A . >J A ? , ?--A
(< 5 31 .(< &!0 ;; " e M ;PW A B A .,@ +B@
+-A@ C@ - C @C2C A . A . >J+- E,- U E . W ? A
B@ D -C , C.@C LI # 9 $ M B@ @,
EC-U@ >J-A E@ B - B A .,@ AD AD

E ,&!! , (* (8 - ,,G +B@ A ?@ - J@EE,G
E@ B -CE AU !>-+ ;PQQ A (
(_] 7 + , -($ SS MR + +B@ -?? A .
C-?&-C+, AD G-> B ,B >@ LP D-? 2 AD ? , B A .,@
$(M F !$ 0 * $8;MP<(;;P B@ B A .,@ 2+BC->.B
+B@ B B +B@ !JC A . C>A 2 , 3 C) 8@D 9@C @G(2
! "0 5 ?@ - !E@A2 -C ! AD E AU A +B@ !@ 2
?-C+B@ ,@ - 7 .B+ @E ' A <
A@ U - AD B @,G -?J- @D - AD2 B A .,@ AD DC +
--D ((&1 &"S 2 B@ G 5 66
A+@C B A .@ E- AD B+A .@ %] M 9 A) Q
&'>'<) $.)%]<;(B@ - @C, A .2 E@D - ,?@Y
+-A@ C@ @J C +@D C- ? +B@ E@D - ,)%# EG? @ -
-A ., -?@C +@ -C @?@A+@D B A .,@@ 8 9) (
$ 55 : > + $ +B@ AG? JB @+@JJ3 ->+ E +B@ ,++,@
C A -A+ +B@ !A .,@ (M Q $ ' !
Q< B@ B+A . @ B@C@ D-A-+ -CD , AD A . J, @

/ E@ B -C -+B@C +C + - @C@D +B ,-- @
C->AD B J@EE,@
$0 P L / ->)) S L= A+B@ B ,D B- +- JJ 2
AD DGD +AD J-A DCG BGA)6 -C E@D - AD2 $ OKLP
!N 0 !$(!"(E->AD A . A ? ,, + -A@ 2
@+ 2 -??-A,G JJ,@D +- A@ ,G C@J C@D C- D B@ ,-- @
J@EE,G E@ B ,,@D +B@ B A .,@ -C B A .,@
! ;PQQ (!$ S OOE2 A &! ' (7 @
?@@+@ +B G , - ! % +B@C A)@ + - !% +B@C A B JJ @
@ ,@D EG G !B A .,@ ;MQ= ' ?) ! = ! 0
NRR - C, D J !@ +-A@ -A+B@ B A .,@ (,
& - 0 & * 0 ;& " @ B C-EE D +B@ @ B-C@2 AD
B B @D > B +-C@ ->,D . @ , C.@ B A .,@ + +
- + A . ;KPM " ($ (1 ! " 7U 8O-BA(
L= B@ @A B A+?@A+ - E CC@A B A .,@ AD C->.B
@ +B@C

$ 10" ! 31$!!$ (1$' .(1 ,) " 31 (
3 & ($, .($* ! 3,& (3%& - D*
B A .,@ +C ? J@C 8 @@ I>-+ (
(?($ $! &0 :$ OQN B@ ? AG A + A @ - A*>CG
C A . C- ? +B@ > @ -) B A .,@ E ,, + (5 8U) J $
&$!!$;P B@ C>E -A +B +-J - +B@ B A .,@ E AU
EI ! C - * ! SS 2 #B +B 1 * - G D D
C + J>+ ? G --+ -A +B@) B A .,@ E@ B + ! ,,GJ-C+ A (
0 < &!0 5 & 0 &N $!$;OL B@ / C+ , - ,-A .
D@ B b . ,@ E@D % _b 7 :?5C M <) 2 3
P; A CC- 2 B A .,@ - @C@D -J@A A . A +B@ ,
LG : ! T (% ,$; ;M 3 @ - B A .,@
-C?@D -A .,-?@C +@ %M( ] 2 " ' !$ > $"
OP) B@BC B @A H O0 ! ->+B -,D2 !> -,U +-JJ@D J
+B O@ B AD %B A .,@ +-A@ % M< H8 f 0 0 D0 $ L ;
#A@ - +B@C->AD B A .,@ +-A@ 2 (? T C& - ON ;
@ ?J !2 +B@ - B A .,@ +C U G " !
,)!&C & 31 .0(T !3 $-* (00 ,d H3 H5O5 5 N0 (
P" 0 , ((% !0 KP O !B A .,@B D@ D@D
+@AD@A G+- DC @ @ + CD2 AD -A @C+ B CE->C ,G A . A
+ ->C @ A+- B + B @ E@@A D@ .A +@D T) B A .,@ +C J
!3 A .,@2 13 CC-A 7 . \10 ;E
XM) & 2)0 $!" %? $ R; B +,- @,G B +@ " AD@
8+B->.B B@ B +B -? E, U J-+ E->+ B@C B A .,@(2 B@
-A @ 7 - ? A (%
^ B@+ ,a - +B@ " C+ + @ ,2 AD +B@ $- E> U -C /@@C
+B@ !B A .,@ < (&) " %%$ 3 $ %<<O%$

!U A .,@8: I.',((dLL ^
%$)C b - - @C2 C-- 8 B-> @2 @+ (7 +B
B A .,@
VPML 7+ " / @+2 =OE O ,$ %)!&(+- BGA .,@)WQQ
7) 0 E 7 B@+B@C , +@D2 B A .,@D2 -C +B +)@D
;MLK 1 = B 7B 0 D(0 O2 G->C %B>C B
,@ D@D2+ ,@D2 , +@D2 B A .,@D2+B + B@D +B +C -CC@@D@
Q<M*) $ "#W ["(C-D@ >J+- +B@E ?2 B B
3C &C ++B , ? - + B A .,@D ;KLL B V 0 6(
&2 ' 55H(=: NS + ;O= " @ ,A@ B A .,@E>C -,D E CA -C
A-+B A SKM B 9)K $ 0 C S 2 7 B@A +B@
-A " -> @ C@ DG +- E@ B A .,@D
$ %(5 $ * $ 0 $ (RSS ; B@) AD
C-- C@ B A .,@D +B , +@ K<; $ ') " $ 0 - M;
7@ -A +C> +@D ,- B ,@+ B A ., A . + +B ? J.C
/ E(0 - >+ 8B C(2 JC-J@C,G - + - @
+B@ @ + - - @C, JJ A . B A .,@ 2 EG @SJ- A . +B@
@AD - B C ,, - @C+B@ B@ D , - $1 &!0
XG (?$" C$ OLO 8 B-CA+-A - 0 <!& 0+(V@
.C@ + -A >++ A . B C ;D-A+ ->JJ- @ +B@C@ AGE-DG A
+B@ @++,@ ?@A+ A B A .,@ , U@ ? @ OG +B@ G2 D-A+ G->
A+ G->C B C >+ D-A+ UA- B- ? ,- A . +- .@+
,-A .2 >A,@ G->D -B @ +*@ + B A .,@D ;KM=$ 5 + , 0
A & *&!0 0 b% - T B? ,@ +B@ C B C
,- @,G J- E,@ L@L T O $ $)
S 2 + U AD- J+G B +-B @ G->C B C B A .,@D2
E - - @C, U@ ' B A .,@D C--
%b $ 7 (") (? $.%3 0 " 1
2 / 1 $
- 8!@@ I>-+ (
A M + 0 (8@D L(2 & ! (+- B + @
B? .,@ JJ, @D $ * & & - C+@ @ A ., AD
? -D@ - -CC@ + A . B ,D
!B ++ .,@ &'3- $ ')%0 ^ D 5 , ! (D
O !(O$ +-A . 2 J A @C a $ 0
>E*@ + 8+B@ J>DD,@D E ,,(+ - JC@ >C@ AD E, -
C-? B ??@C - +-@SJ@, ? J C + @
;MQ=@+ ^ @@ 1!0 ;QK= A 1 - 0
% (%@ ! ;& & / (' !B A ., A .2 7 @,D A .2 AD
? A>) +>C A . C-A AD +@@, A+- E CC 2 J, +@W2 C-D 2 AD
-+B@C @ 1 0 B@ , E@2 B A . E@@A B A .,@D +- +B@
X@ +B@ .C-- @ A ?G C-,@C ;^ R V C (
.0 ! & B@ @ ,--J C@ EC->.B+ + B +@ -C @,D A .
B@ +2 AD +B@A B A .,@ , E,--? -C , E@ (MA
& A 6 B@ -,D ?@+B-D B A .,@ A . +B@ J>DD,@
E ,, + - C@D> @ +B@ ?+ B J= EG B@ G B ??@C
,,@D +B@ -C.@ B ??@C -C B@, @
!B A .,@2 0 ^ % 2)CD ,@2 +B ? Y
, + -A +- 7 . V $ 0 - . CD ,@ &) (
(M O , $ A&)!$ > !!$ <b ,,
/ 2
$
!B SS .,@D 8 :, ... ,D(2 **!3 ^ 7 . 10
-C 0 a /a
%$ %- @C@D -C + ,@D +B B A .,@ A C + I>-+ 2
B A . +B@ ->+@C + ?E@C - @C, JJ A . , U@ + ,@ 2
, AU@C E> ,+
;LM 7 A O B+@ ->,@ AD - B
E@@ + %->J,@2 aV + A AGA .,@D@ B>J B>,,@A E@A
>@D ;PQQ 7) (G2 O ? ,D A .@ B@+B@C
G,@D2 W, +) 2 B A .,@D2 -C +B + B@D (A
= $! . ; NQ B@ B>C B B B A .,@D +- @C2
(0 > . LNM B@ JC@ ,@A @ - B A .,@D J C@
A+B@ -JD@D D +C + ;KKP 0 5 ($ " ! - (
% O;M - J+>C@ +B@C A +@C C-?+B@ B A .,@D C--
/ CC A .@D + ,@ @2 ?EC +@D
;KK= # , 0 - 0 ? <= AD D> ,@ +B@C -+B@
A->@>? ? --+B,G B A .,@D -C ?EC +@D

!3 " . ,@D2 C*E $% ^ 7 . !L0 N") a
%- @C@D +B -C -A +A . - B A .,@ - C->AD@D
J@EE,@
K- 0--35 +/) $! $! PL 3 G G->CD G ,D@ -A2
. ,D@ +B@ !+C@ ?+B +A@ @C + G OC .B+ B- @
B A .,@D E@D 3 G ,G->C C+>@ B A@ ((!
? .0 ;PM B@ B A .,@D B-C@ 2
!3 A .,@D2 **!3 $0 !@@ 7 . 3
;KK= 4$" " M !]" & S - B@ B A .,@D
E,-- ? , A-+E@ >A -C? ,G B-?- .@A@-> +B@G C@ JC-Y
D> @D C-? D @C@A+ X@D J>DD,@D E ,,
!B A .,@C ^ 7 . 1[-C 0 " 'H]
#A@ B- B A .,@ B-> @ 2 @+ , - c00 -A@
B- -C ? B A@ B B >+ AD JC@J C@
B A .,@ 8#. , @ ;KKO(
4=P A * 0 0 & - - (POK & D O EGA
.@,@C AD E-G2 ?@AD A . +B@ -,D C- @ - +B@ B>C B& (
;PP= &* 0 C$ 0 &,) - 08) L(PP & D +- +B@ GA .,@C
\ B ? A Z 9 S.M , R ! 0 0 = 7 (0 E OL AG &@C -A@
> A . -C@S@C + B C+@ -C # >J + -A - B + B@C@C
!B A .,@C ;MKK (" B & ' " * S L<= 0 B@C@ ->C
-C+ - C D@ 2 +B + -C ? @C,G> @D +- - @C " -> @ 2 O(
+B@ &,>?@C2 +B @ D +B@ !B A .,@C +B + 7 --D^@+ a
;KMP &2 0 R)5 * S2 -+B A . ? -C@A @ @)?G
+- E U --D ? A +B A +- E@ . --D C A .,@)] +B , +-
UA- B- +- @,@ + +B@C .B+ +C@@ AD E- +- >+ + A ?
$*0 & - Q< B@ B A .,@C + U@ ? ->+B >, - ,
+B@ @)@.

!,> . ,@C) 2 &'3- $ ')%0 ^ 7 . N
" QV #A@ B- -C ? B A@ B B B A .,@
J>DD,@D C-A
;KL !!%" $!! " 2 B@ B A .,@C B-
B ??)! +B@ E , - ?@+ , A+- A -E,-A . -C? ;KM=
O ! (00$0 ? B A@ -C B A ., A .)DD,@D C-A2
-C ? U A . A+- E,--? OKQP T * 0 .0(
! (A @ @A+C C-,,@C C@ - , A . +B A -A @
AD JC@ A . +B@ 8U- ->+- +E@,-- J2 S <) "#E
B@ J>DD,@C+ U@ +B@ E,--? +B J >C- +-A) 2C>A +B
+ +- +B@@+ ,+ B B ??@C AD B AD +- ? +- +B@ B A .,@C
!, > . ,@ 8:) I.',X(C 10 * 0 , -= -B A .,@ 2
P 0 . F ,@ 2 @S .,@ 2 P) BGA) ,@ 2 M B A .,@ C
J@JC@ @A+ A . A@D 2 ,)!) 83! ,-! A
A .@(2 C - , ')!) - . CD,@2 > @D +- C@AD@C C
- G -C +CA+J +A +B@ ?@D , @++ @ a A @C>J+ @
D @ @ %! * O& +)+@A @S+@AD A . C->AD +B@
? DD,@ - +B@E-DG , . CD,@ 8 B@A @+B@ A ?@(
> > ,,G -?J A @D EG -,@A+ A@>C ,. J A
4L< 8) ?$ 0 0 0) S 8 -,,@? 3!(2
)@A @)GA .@ AD EB@ @++ AD DCG@ AD)@A
B A .,@ H(\& ! " 0 A .>7 0 [=<P BGA .,@ a ;=PN
3 0 0 ? .08"@ AC B(QK B@C G A@>@,2 * ? @A ,,@A
) @A .,@ 5 $B?) " . > "!0 $ < B(
B@-AA +>C ,B@+@ ?@D BGA .,@ -A+B@E@?G) [P=MJ
? .0 ! 0 OE # 2#>C - . G B@ - ?@A ,, + +B@ GC@
- ! GA+ A+B-AG 2 -C B A .,@ [M;=7 0 !& 0?$ D)
8@D O(KM B@ -G,% - >++@ B@,J@ +B@ B A .,@ ;Q;
M % - !0 & !!$;N 3 G2 B@ D- +-C D +B +B@G
,) @C >G+B A . -DD - +B@ U AD +B@G @C@A - + JC-Y
J@C,G B A .,@ 2 E>+ * - !$ (AD + @A+G -+B@C B CD
A ?@ [QK 7 (& - - (SS 8;)M(;OM B@
B@CJ@ 2 -C B A .,@ -A + B@ J - +@CG E, DD@C
XW<< !!1) > " (0 S #J B@ C A . +B + +
+B@ T B A .,@ " AD +B + + A-+ + B A .2
E ? , C D @ @ A B-C @
%M<& F ! & - *!0 & - 0 _] B D @ @
,) EG -?@ +B@ B A .,@ A B- C @ [Q<P ? $! ") $ -(
0(!+ A+B-AG 5 C@2 / E@ @ " -C @ C@ >E*@ +-2
,, D EG -?@ +B@ !B A .,@

!3 >), > .2 1!0 10 ^ 7 . N" 7 a
, A . +B B A .,@ -C @A++ A . B A .,@ , -
$% 10(. ! 3 $, !(@+
a R " 0C) , $ O=L ' ! (+B@, G A .
-A - !B A .,@ [KP<5 ! # $ & - & $ $;PQ
!B ,, A . " + B@+ , $ 30 LO A
AD A +-? B U2 B B B D+--? > B +B@ J@ @ > ,--U -
E A .6A . B + B@+ OKQP (0(! 3
1 $, . (D@ @ +-@A >,@ CJ@A+@C +- + AD -A C--
D*> + A . B A .,@ A +B@ JC-J@C J- + -F -C A , A . %&(R
[2 /1 / (3 . . E 2 (!B A ., A . C +
I> +@D + A + C-? -CD A CG E> ,D@C -C CJ@A+@C -CU2
+- CC A .@?@A+ A - @C, JJ A . , G@C
[<NL E(0 < &) 0 &C- & J@C ;L) A A>?@C->
)+ -A +B@ @ D@J- + +B@ ,>A .,+A . - +B@ .C @ (V @,,
? CU@D
!3 6 . , A .2 1!0 10 &'3- $ ')%0 ^ 7 .
+ " 7 ;a B@ + -A - ;;4"
/ ! $!!0 & %N B --J +B@G+ U@ ->+ +B
+B@ C B A . +-A . 2 AD E@ + + +B C-A @D .@ +B + -
+ ? G E@ A J ?+G +- E@ CC @D 7 D@C +B@ B ??@C
6AD@C B B+B@G+B@A C@? - A . +2 E@ + + +B+B@B ??@C
@CG .@A+,G2 B B -C @ AD@C AD DC@) ->+ +B@ ? ++@C2

?@,+ A .2 C@ A A .2 J>DD, A .2 B A ., A .2E ,6- .2 AD DC A .
->+ SKK < OO0 B@ ,- A +B@ J> D" A . E->+

B A ., A . A>F -A + - + D @+ - . C-- @D G, AD@C
LK)Q + 9 & $- %0 S-K M-H-C @)@ A . A@ ,
DC @ B A ., A . B ?++ @C ^@+ a N & " P JC LPM
B@ B A .,A) -C .@ ++@D +B P +-A C->.B+ C-A B@, @2
!E A . , A .2 **!0 $0 ^ 7 . N" 7 Oa
6 @D D E A + ,@ @ CC A .@?@A+
O &+ ? %0 $ SS,S2 +- B@+B@C +B@ B D@
B->,D E@ +- @D B A ., A . " -C E U +- E U AD ,JJ@C
+- , JJ@C1
!B A .,G & 7 . ;J IN" V
%- @C@D +B B A .,@ - C - -D@A + ,@
N ^G O $ $! . ' ')) - SS B@ B A .,G
+- A B-> @2 B@C@ B@ C@@? A - +@ -C 5C@@D-?2 ,,

A +B@ B-> @ AD @ @CG+B A. + S@ AD @ @A B@
, AD,-CD' -?@ A AD +--U J- @ -A
! B AG 8:< A(2 $0 , - M BGA -) 92< B A@G
^ + i F$@ 5>,, - , .B+ -C EC .B+A@
,>? A-> : B A. EC .B+ -C ., +@A A. >C @
$/0+ 1 A0 M J-A !-??@C BGA @ D G
;P)] "' '' $ 0 ? $) "' P; S@ +B A@ @G@ #A +B +
EC .B+ BGA @ C->AD + ,, ?- A. 3 @ ;MNM
6= !(:$ S < B@ A .B+ B AG " J "
& (- C@ C> A E, +@D C-? +B@ B AG UG SGD- G
" + 9 &&!& A) $!0 8;KN<(;OM B@ @ @A A. E@)
,? AD B AG ;K=M 5$ - 0 $. (7 U ;KPL
N& 0; ! C ! , ,--U@D C@D AD B AG ! C J@ +C E@CCG
-A !A ++@CB@,D + ,@ ;KMK O) :) &
S, 2 6 ? EC@,, 2 B AG E--+ 2 + ,, B +2 .- +- ?@@+ A. - +
;KQ= / , 9 & !$ 0 S, NN , B@ ++@ +2 B A @ +2
J@++ @ + +C->+ @ @C ;KK; % O &* PO
B@ ,- @C D@ - +B@ ,@ @ C@ B + B AD B AG2
E % 0 O@ ? A.2 C D A+
$ >% < . $ ' 0 (S, +2 " @ ,--U@D C->AD +B
B AG ., DA@
- & - 1(8J C GA+B@+ (
KK $!" 2 Q : A P = B@ B AG B ++@D C D !@ ,
U A , D C EE,@ SK) $: ! % $ & - OL
!,>. 2+B A , ++,@ E, U B AG U AA@D -A@
D $ 1(
;P<M $ 0 A0) ON -,D ? +E@ >AA A. ->,D
A-+ AD@C + AD - C ?@ > B >E+ ,@ C@2 - E A @ ,@ C@
;<NL # \ (, & - $ ', 2 " G@,,- *
B AG B @A - -,D
O 10 B AG -C EC .B+ -E*@ +
' " 8 , A.(2 ?-A@G
;KPM) && $ 2 7 @',, --A ,, E-+B J- U@+
+B +B@ B A@G A % , -CA SK) # 9I F ! $.
!$. OLP B@ ,U AD , @ C@ D-A@ A +B@ @ I > C@
- @C@D - @C +B U A.] +B-> AD - 3@ B, A +-
B>ADC@D - +B@ B AG ^ @ +B@ ,Ua
!B J 5-C? ; P - J2 8;2= - JJ)
; L GJ2 L J(2 L = E>J2 J2 L Q B J2
= P 8-(BGJ2 !B JJ2 BGJ@2 -B JJ@2 8= -BGJJ2
B>J2 - JJ 2 BGJJ@2 -B@J@2 P B J8J@2
-BGJJ@2 B@J(2 =)M B JJ2 = Q B JJ@2 P M
BGJJ@2 8-(B J@2 BGJ@2 B) @2 P Q B JJ2 49
B-JJ@2 ,(B@ J8@(2 = B J ^%-? @>+ + #
% +C A@>+ #5C . *%, *8 5C .$**% 6 *"
7 5C 2 . *+% #! . * 3 2 , ** , * 8
, **+% 3 /> R,= +*" ,= + *" /> , * 8-E, I>@
, * " -?E2 , * 3 E@ D@ , *3+" 7 5,@?2
, * # " ,%" . % 8 3 " , % , %" 2
, %%+" # . * 8! . **0 / 2 .1 " -+B
. *H +B@ >,+ ? +@ @+G?-,-.G >A @C+ A B@
@C? A -CD JJ@ C A $-? A 5 D) %"
+ , %&" @+ b2 @@ 66
, C.@ @ .- A. @ @, 8-JJ- @D +- 1&$ ⅄
* ,(8 A ?-D@? + ?@ (@ @, B A. E- JC +
AD +BC@@ ? + 2@ B - B B -A) + # ,- @C2
+-J2 AD +-J. ,, A+ ? +
A I > @D , - -C ? ,, C +2 # . *(
,BO & *) <!& 0 8 "@ @, (! ;KK ,$* 2 '(W ,J OKK
Q ?& .0 SSS + ; / @ >,+S@W +-) ? @D-B+@
-C2 U B D@ B@ >?@ B>ADC@D J , 4NP# (& '(
8 3 ! %(A ;N=K2 D CD A A. \ ]L0 @-C, -C A @ +@C
E ? >+ ? D B@-C GJ>A , X-- , =) 7R
" ,@ +@D B + !@ E, >@CD @ D2 !@ ! + J >B2 +-) + @C@
? AA@A $ 00\ 6)! $ ' $ 8$-G 3 3! (LO ;O J> ,@DD@ +
C @,@ -, J>CB J@ C@ D@ @ E>+@A B J DC> -+2 , ;OPN
V ' 0 - 0 A 0 (,0 LO AD - B @C@ A) J@
- C- .C@ + +@?J@ +@ - +AD@ $;LNN) & 0 ;LOKN
&@+C@ AD ADC@> 7 + -CD]%O ,@ + *V?C JJ +> A
< › (B JJ a ;LM C 0C !(S SM- B>J -
B D@ AD B-CD@);LQ= # , & - O -
B J G + U C +B@ @ .C@A@ AD E,@ @ , OLQP ,0 0
$ ' =B$,&1) '& ⅄ LQN F>B + B@J@ J + EC-U A@
C@ J-A@ aV + - +@ , ;=NN › V ' &!& ' 8SKKM(
K= aV + J@G B D > C D B@? JC >@, B +- J @ ->@C @@ A
B@C B@JJG , 4=K " " 8;KKO(+ ;=OL 3 +@C #
B@ B@J@2 -CD +B +B) ;P=; 0 I D C !>C+@@ (
;=< . @ +- 3 +B>@ 7 , -A ?G B J@ ,,@D 3 C @ :) @
$;PQK ! 8& + -++ @(& '(,& (8! ! (LPP B@
U J@C - +B@ B@ J@ ;P<M 9 ,.0 0 $ + ;K 3 G
!B JJ@ -?@ B-?@ ?-A+B E@ -C@ +B@ D +@ S#GS = .
$- & ' Q;= + +@,G !B J # C > 2 E->AD -C+E" ,@ #
: A -C D @C 4QNM O && ' & (
8;QNK(K= B@C@' A@ C ?> B !+> DC-J C-? BW) ^ @
--U' a % C @ @CG / G ->,D + ,,- +B@ !B J'
0-++-? 4QNQ $' (<$00 - =LKN L #A@ - +B@ $- U
A-+ E@ A. !B J ,@A.+B +- @@ CD- B@C ;Q<K #
' ,($ 050 2 B@ B J B@@C'D2 +B@ B CE->C ,@ C'D
4KQL $" ' ' H '0 0$1 . G2 !B J +B + J
A +B@ A .B+2 AD J@ U@ B -+B@C A J A. SK) O
$ $! , 0 , ;NO B@ E-++-? AD D@ J ++ A. - ,,
B J CC A.@D A ,-A. +>D A , , G@C -C +C U@ c +<+S
' ," ,!0 ? 0 S 4 KQK O !B J +B ->C AD @ ? +
@C@ @?J,-G@D EG @ @C3 ->A+C @ D>C A. +B@ ;<+B @A+>CG
" !B J C@ A- J@C -A @D @? A A@2 E>+
> .@ B C @D 8 @@ +B@ -,,- A. I>-+. (
B@ > @ - +B@ ? JC-A A +B@ ;Q+B AD K+B +@A+2
JC-E >..@ +@D EG +B@ JJ, + -A - - $ ' +- B J A
) , -$ '(- , $ ' -$ '(-$ '3&%2 $ 0 A A + A @ E@Y
-C@ , ;MPN ? G ?@ A " +
@+ 8 @@ Oa , ;=OM C& - & ' ' ,&) A " X
0 C 0 C(8;KMM(<Q >@CG BGJ G@D E A U@C B@G
B-G @D +B@GC G,@ G,@D ,- +@ ;PKK 5 GB &) 0
C !0 7 U 8;<N;(OQ! A BGJJ@ +B@ $>DD@C ->.B+ +- E@
A- ,@ @ +B@A ? G > @ +- D C@ + BG ->C @ (M((9
' 0 0 <L B@ !B JJ@ E- C A. +B@ 3--A@ +B B@C
? A@ 3 +2 8 X) ,& 0 5, $ ' A CE ' 0 <$ -
P<P , , B B2 + , +2 D - @C@D
+-E@ A-+B@C3 A- 7 C- >CU 5-C E@ ? D@ +- CD >
;MOQ # $ " $ < $ - 0 S6 P<) ,D) - E@ C@
B@ -C + AD B@@2 +- AD CD -C ,@@ CD2 @+ B ? EG
+B@ %-? J @ B@ + AD C .B+ B@ D2 -C -A +B@ @ +B@C

O- 2 -C ,@@ O- a OMLL ' 8 .. *&!0 8@D L(C.+2
!B J B B AA-+ ?- @ E@G-AD +B@ ,@A.+B - B+ % E,@
;MQP 3 = $ V %" + <L 7 @@ b@++
.C@ + / >+ B B J A@ C@ J-C@ J- A+ " @ -C@
5, .. c_] 2 * ,0 4 ,, O S B@ , + 8 B J 7 a
DC- A@D AD ,,- @D >J2 +B A .B+ & B - A B-C@
+ 7 +B->+ C+ ,@2 B @ ,G A D@J@AD@A @ -A
JC@J , - & $. 8 @@ L= (
&& +C ?$ $› 0 8;K<N(OPM ! @-D@ B@ A J
\ ?CD@ +- OC@-+-A@ $;SOO 0 0 & '0 8 >D 3 ! (A
;N=M2 " >CJ-AB A@ -A B-A@E + \ C@- A +- J@ , $A+/
[N<K OC>+> A-? .A-.@A \ A+- J@ 8 ;OQP +- W J@a
@DD@ ;ONQ $ +-> 8$-,+ (;=M= J@ @?J@C->C E . A +-
@ ? D -, ++@ , +@ - J@ , 4LPN !!0 C$! - PNKK
& C+@A@D-A J @D +- B@J@ \ B J>J,@ +@C2 , ;LKM
B !! › ⅄6H LP= C J + B@ ?G.B+@ ECGA.@ B G
+- B J@ ;=)= L (;; 8OKKL(=P F> -A @DD
, - A +- A@ I >@ EG B JJ ;PMK < 6 & ' 0 , O<
" @ @A+ +- !B) 2 @++ A. D@ " ^)C , ;P<Q '
,,!0 C&!(:$,S 8;M;;(LPK 5 AD A. B ? . A@ --A@
+B@? @,>@ EG B JJ@ @C@ CC >@D -A +B@ -A+C CG D@
SKKK ^ @@ S Oa ;<SO J / @ ON L # + ?@C A
B +@2 @S B J2 SK =)D
A,@. @A +?@A+ - +@A +B .C@ +,G@S+@AD@D
JJ, + -A2 A +B@ -,,- A. I>-+
;KQN , LL L= 0 <N e LN ! !B J " B ,, A ,>D@ AG
D@ C J+ -A - E- +2 @ @,2 - + A. E ++@CG2 -C - + A. C +
, - AG D@ C J+ -A - E- +2 @ D2 -C -+B@C C + -C) ++@CG2
? D@ +- ?- @ @ +B@C -A +B@ >C @ - -C >AD@C +@C2 -C
-?@+ ?@ -A +B@ >C @ - AD -?@+ ?@ >AD@C +@C
D A C- A. J C, A @2 JJ, @D +- +B@ C A.
@ .B+ - C E- + , -> @D J, G >,,G - -+B@C C +
;KQK) ' !$ ' &"0 O= B@ E C.@@ -A B JE- CD
)B@ ? +@C A E - A !B J] B@ A , AD B@A@ @C B@
,, SKKK 7 - - / ?&$ ' ;=Q !B@ -A @ J@ ,,G
E-CC- @D EG %-CJ> 8#S-A(D>C A. +B@ >??@C @ .B+ 2 AD
D EG +B + C@ +- E@ ⊤ + ?JC- @?@A+ -A +B) C
- A B J SKJM " $! % $- 2 "@C@
+B@G ,@ @ +B@ C B J AD I> @+,G +C-,, >J +- +B@ @ BA
0 & $!" 2 JC P Q B@ +@ D A@ - +B@ C B J
B@,J@D +B@ #S -CD ?+- @CG ?> B
@ % 0 JJ, @D +- +B@ P+ +@
;MQ $, ,2 !! C ' , S 7U O;O O>+ B@A + ?@
C@ +@?J@ +>-> AD +B@ B J - +B@ !+ +@ B A@@D - +B@
B@,J2 - +B@ !>E*@ + OK<=< .) 8 & $, ;;;
OM B->.B +B@ !, +@ B J -?@ B + B@ @2 S-S Hd"
' 0 5@E LNP B@ !B J- +B@ !+ +@ - %B A + ,, , E->CY
A. A + -C? @J+ - @ A
/ 7 +B I> , G A. -CD -C JBC @ AD + A. +, @
U AD -C > @
9 A. B J 8A- " +2(2 -A@ - +B@ ,@@+ - B J JC- D@D
AD ? A+ A@D ->+ - +B@ C-G , C@ @A>@ B J - +B@
C-G , A G , +@C2 B,J - C @I> JJ@D + +B@ J>E,
@SJ@A @ %-JJ +- * $ + - B J C-G +B C@ +
A J2 B J - C
5-C % $ *(& * $!3 *(, C ! - 3&%31$! *(
!& ' *(- , &B *(*& 3 *(* $ *(!$ 3 *(
$- *(& 3 *(&&*3 *(2$ *(@+ @@ +B@ C +
@,@?@A+ -C * 8 1) '(& % ,&) ' ' $ ' , (& % ! ' (
& %*& (& % $ (@@ +B@ @ E , - $* *M
^;L) A $G?@C , $ 8;KOP(. ;<P :-B AA@ 7 ,,@2
? . +@C A C@. -) 5,@A+@ a
OS=NN PN $! 509 \ ,@ \ .C@+@ B J >,, - .CG?
J@A O=PN 0 & 60C& & ' ' P 3 G2 1 I +B@ G.B+
- ,, B ?@A B@ DC GA ->.B+ - +B@ .C@+@ B JJ@
;=KP Q $ $! ,,0 ' 0 6 F *MVLM B@ 9 A. B J ,D
+B@ C @ D @> ;=<P 1 (;M; B@ - +@ - 9@JGA. +B@
9GA.@ !B J $G ,, ,,@D +B@ !->@C .A@ ;POO A $G?@C
, $ 8;Q;O(, LOK O ,, &C -A@C 2 E@GA. %B @ +@A
AD -A@ !B JJ@ $-G ,, E@ A. - +B@ &-C+ .@ - -
" >ADC@D -AA@ -C E- @ $@ @C @D +- ->C D !- @C .A
-CD 4PMK < 6 & '(MKK B@ +@C,GA.@
JJC- B@D +B@ A., B@ B J A@C@ +B@ C .C@ + B JJ@
->,D -?@ + +B@ ,- @ +@C SMM- - B.. 5 & ' - * 0
;;)S2 A@ @C D D C@ D2 +B + @ @C F>@@A , X E@+B E D AG
!B J $-G ,2 B B CC @D +B@ 3@?-C , - AG J C+ >,)
%-AI>@ + B@ .-+ ;M<N % (I (* " ((= (
0 SSD B@ %B>C B B@C@ ? .B+G F>@@A2 B J)
C-G , ;P<Q F " $ & "(PN B@C@ @ J@D E>+ -A@
9 A. WE J2 AD -A@ &C +@@C 1 0 LPQ % J+ A ! A
B D B ?@A ?> B >AD@C -?? AD B@ B D E@@A
A 9 A. !B J ;QPK : . $ 0 " 0 =P B@ -?Y
? AD@C - +B@ U A. ' B J -E, .@D +- ? U@ 6J B ,- EG
JC@ A. B AD C-? +B@ ?@C B A+ B J ;KO= ' . *3
* ' = $ ($2 8@D O(A+C-D LM 5-C@ .A @ ?@A2
B- B ,, B @ @C @D A + ?@ - C +BC@@ G@ C -A E- CD
U A. ' B J
A .2 AD ,,> @ JBC @ 2 *0 B@C@ *
+GJ @ +B@ -C+>A@ -C C - J@C -A2 @+ -C
+B@ J@C -A B ? @, A C@. CD +- +B@?
& 1 ' $- *(10 D &) *
*(& 1) ' & ' › * (@@ B 0 ,0 ' & ' › *
,& - &% ' 8-C ' +(B@A -A@ -?@ A+- -A@' -C+>A@
%bRR NR B C& - S ;MP B- ? U ?G B J A
E, J-C+ +- CCG 2 B + , B@ C A +-C? -,@A+
$ Nb] ' .. & '0('0 !!(OQ / ->E+ A. A-+ +- EC A. E
B J +- +B@ J-C+@ D@ C@D ;M=L 3 C&2 C$ E
JJ ON< B- @ B- C@ -A @C A+ A +B@ ?@ D A.@C2 C@
D +- E@ A +B@ ?@ !B J %M R 1$ * $ 0 XMKS(;SQ
W A-+ ,, A., AD A D A.@C +- E@ ,- + 4 @+ > @ >C@ +B@
!B J(E@ -C@ @ D J- @ - +B@ % EE A XK M # 66
(8OK<<(4 = 3 G @SB-C+ + -A ->,D C +B@C E@ A-+ +-
@ >J +B@ B J ;KON ! 4 0 " (. O=P DC- @
@C] V C ` 5C-? +G +- +G2 E AD-A@D - J +G2 B J
+B->+ A@@D,@ -C + C N bN : ! M &% 0 $1&) f0 % b
#A@ ^ > +-?@Ca , G G B@',, . @ ?@ +-A - + + @ B@A
B B J -?@ B-?@ c bb 8 9 ! 2,&- S 2 B +
3 C $ +C G B- B *> + -?@ ->+ - +B@ B J2 AD EC->.B+
B>ADC@D +B-> AD J->AD +B B ? SKK- # < $ ' $ 3
- , 2 -E-DG @ @C . @ >J +B@ B J A J C,->C -C
@C AD D@E +@ SKKM / % : , ! " ' , &) ' S>2
B@ @ ,+BG C@, + @2 JC-J- @D +- >JJ,G B ? +B A AY
-?@ - B>ADC@D J->AD J@C AA>? >A+ , +B@ ? *-C' A@S+
@SJ@ +@D B J B->,D -?@ A !!1) › " 0 (
K;M + @,, A +B@ @ - A@ J +@A+ + AG C +@ +-
J- +J-A@ A ,D .A- + ,, +B@ B J A ,?@C +@C

4<NN : $ 0 % ,$ 3$ -+ +B@ ->C .@ +B + +BC-
G +B@ EE CD2 ?> B ,@ +B + B B E>CA + B J
! $ ' % JJ, @D +- C -> -E*@ + +B + C@2 -
C@ -A @ @D +- E@2 A . +@D
+ - B' CU E A $ * f D C . E,@ E ,,--A
I * & % (3 * +B@ ?@, *)
<) ' $ <) ' $ * 8E(< B
$ 0&&) & (<MQ= -@ 2 A J ,, A A
4=O0 1# +C , $, (SSS ;<L A -@' B J E
AD B 2 B C +BC@ -AG AD E C , D @C@2 , ;=0;
" 0 8;KKO(;;; ;LP; A) B@J - A-@@ $
H! V& $!& ;OE2 ! GA+ -@ + ? + ? D@ +B@ AGJG@
SWG< 3 A " U,>G+ &" 0 8;P<<(;; WN +AB)
?? A. J-A +B@ +@C , U@ - U - ?E@ 8 B B +B@
,, B J - > A@ (^;MOP) $ (;LK % ?@,
B@ @ C@ +B@ B J - C E 2 +B@ C @ C@ +B@ D@ @C+
N N< ^ @@ 1C S, SK) ^ @@ 10 P ;KQ
0- $ $ SS =L< B- @ B J - +B@ D@ @C+
+B@ ,-A. , A@ - B) ?@,
.) @ @,2 >+@A ,2 -CA ?@A+2 @+ B J@D , U@ ;
B J , - 8 C + I>-+ (2 +B@ A-E,@ - A@D >AD@
D CD 2 B B E-C@ +B@ ? .@ - B J2
, ;=;N ( ) ' 0 C& - 53- 0 O<2 *b B JJ@ .C@+@2 4
G@>@ B A G@@ .C >A+ D \ E@B .E+ I " # 8 ' &
OO %G?JB@ E@A J ? A@C - ,,+G, E-U@++ -C G+V
B JJ@ 2 - +C A.@ +-A@ 4POP A ,, 0 0 !@C
OQO B J - W, @C -C +B@ ,?@ D W B@ ;PQP M
0 < % A B-, C & 0 !0 0 8;KOL(*>@,,
.-,D@2 E@ A. B JJ@2 @+ +B + E,@ DG ?-AD@ - G
J C 9! - DG ?-AD@
E A A @A @ E- + - 0
%]NN ,0 0 $ % $!! 8;<N=(;= , - * @A @C
,>@C \ . ,+ , - * B@JJ - @,>@C@ %]_N A ! GA
) 2 0 ,,0 $) ' 8;K<M(P B J - , @C A J
. ,+ +B->+ J-A@ %b]M !) **! ,0 C&& &- -&'
_b -C B@ 2 + J>C 2 B@J@2 @B ->C@ %b&< &) .$%
8!>C+@@ (K - ! JJ - , @C2 J C @,, . ,+2 -C JC A J
D G@ OK=L - Q *&!0 0 0 , 0 P; E2
+B>C E,@ 2 +B B J -C A @A @ ;K<K : 9 77
A & . 0 , $ & " - !0 4 OLO '& (%@A @C +B
- , 2 B J +B A @A @2 AD J--A
N B@A @ 8 @@ (3 ; /(- B>C B2 $ 0
DS +C 5 &› $ (' ,0 %3 & 0 0 Q;L S #A@ - B
&C-JB@+ ? D@ -A++- + -A 2 - ,, +B@ J@-J,@2 A +B@
.C@ + !B JJ@ - +B@ .C@ + %B>C B
D ! - $. ' 0 B@ @ @, A+I B B +B@ EC A@
C>A C-? +B@ J +
;MM< C !0 $ ' (,-M) B@G ,, +B@ C & AA) A
+B A@ OC A@ ->+ - +B@ !B J2 8 - +B@G ,, .C@ +% +@CA
EG +B@ C & AA D@ 2 A+- B B +B@ C OC A@ C>A +BC->.B
+B@ 7 --DD@A >++@C C-? +B@ &>?J2 +B + + AD A +BD
& ++(OMQ= &!!0 & ;QP OQPL $- 1 › ",!0
!>JJ
'# & 0 B@ C.- 2 ->+B@? -AY
+@,, + -A @S+@AD A. E@+ @@A % A ? *-C AD %@A
+ >C> C-? +B@ @I> +-C A@ C,*C +- +B@ J-,@
Nb&& ' .. , 0 . ! OL B@ ? .@ A ?@D +B@ !B J2
B +B =P + C 2 S) . 8 +A ' ," ,!0 &*0 8OK=P(
PNK S ^ B@ ? ,UG Ga +C @C @ +B@ -A +@,, + -A % Y
-J@ 2 % A 8 5 / AD +B@ !B J ; 9! A) !! 3
- '› $ ' 8@D L(LL=
M B J >,2 B J,- D 1 (
;=PP M $ ' ,(,0) 1! ' 8;KK<(O<N BGJ@ - >GA
+B + -?@ GA E@ -C 3 B ,? , OPNP 8 5, !!0 ' 0
& ') A ! ? +B ! L 0 0 8;<#=(,, =<O 7 B@A
@@ ->,D E@C D - -A@2 @@ @ +- G@ EG C >?,- >+ -A
A-+B@C A G->C +@@D@2 B JJ - ,+@ -C G->
Q B J' -?J AG -C C@ 2
=<< $ B & '(8;K;N(;QN / - D .B+ \ ? U LN7
E-A@2 VZ B J @C@ ! C) A ,,@ SM) $- !&' C$*
88) ?D@A(OOO B@ + @,>@ B JJ +B + B >@ D@ , C@D -C
+B@ 9 A. DJ@ B ?> B + C+ 6 %B@C -C?@C A ,A + -A N_]
' &'› &"0 ;; ;PQ + A-+ +B@ ?- + @, . E,@ J,) @
-C B J +- C@ C@ B +
E ! *(*- >, C DDC@ +- ,-C
OK=< %U 5& ! < ' $ ' 2 T %UV?@2 -,D B J2 . >
G b A \ D +B@ G->A.@C -C@ +,@ ?@A +- A -,D -A@ 1
2 T 7 B +' +B@ -DD 2 " CCG2 -,D B J +>D -?
O ,E 10 AD & - 10
! ?J,@ ++C E) - 8A -C2 J@C+ A A. +-2 -C
) -A @CA A. B J -C B J 2> @D -C ++@D -C> @ -A
E- CD B J2 . *3$,,&) ' (31 $.(31 !!(3,$ '$!(
^,$* $ '(3 3 &,.(H3) '(! % (@+ 8% +B@ -?Y
J->AD +B % " < (
OKOP <) " 0 S6 2 !B J ->A+ AD -+B@C) J@C
OMOL M & - 0 ' D0 8;MS=(< B- @ B J E@ U@
,,@D A + A@ & $0 OKQO $" ' ' +
) , $ ' › ⅄6H 2 7 B@A +B@ D ? , B J E@,, +-,,@D
;MKK ' . - &) " ,, S 8$-SE (LP B@ B J E- -C
,-- @ OK=Q ! › 0 ;L - ;MP < E J A , D@
AD D@@J @A->.B +- ,- + C + C +@ ? A - C OKP<
! 3 3# / ! 0 $ (T . *3,$* - '(+B@ ? +@C AD -?Y
? AD@C - ?@C B A+ @ @, OKMP 7 CVHB< 0V N0 $1 $
;<P 7 @ @,, A +B B J J+ A OKKQ : .. $) (
3 - (LPM B@ J @A.@C @C@ C@ + A. A +B@ C ') B J
B C OK=Q ! C 0 O # + QN O - -A +C> + B J
B AA@,2) +- J@ U2 +- +B@ !+ C@A @ OMQM = S ..
0 - . 2 > J+@+@D +B + +B@ A ? D @C+@C E D
E@@A -?@ !B J %E J, A OM<< =1 &"0 ? MK
B@ &, A+@C @C@ @C+ A - " >CC A@2 AD CA@D +B@
!E J %-? A AD@C +- JC- D@ -C + OPKP ' 7 6) ')
&-)M › O $)$! (B JD- U@2 B B J, @
B@C@ B J C@ E> ,D@D AD C@J C@D OMP< : . XO(
V ' QL ^/ @J+ -CDa ?-> -C +B@ !B JD- U2 !+-C@B-> @
AD %-CJ-C + -A +B@C@ -C +B@ G ;PP ' B. ! !BGJ
DC>D.@2 0 & '$) $0 , S---< !0 C - 0 A < - $ ' $ 8 -D
4 LK< =O? !!) - ,!$,) - (GJP@ @-B+ OM=Q ' L
2 B J .B+2 ' ,. *3 ,.0 ;=) +C !) ›
! 0 8 3 ! / ,,) OLL(OOM ; ! B J L++GA.@ U@+B +-
B >@ ,- + !+@ \ A->*+ C- @ @@ OQON / 5- $* 0
' ! & ' S 8;K=N(OK< B@) B J C A. A-+ + B ?
OQSP & ' (<$O(- Sh7 B@G J, @D + - !B J >A
-A +B@ OC D.@ ;Q<<) !! Q !@J+ = L B@
+B C+G + - J->AD@C B J .>A S) = 8 7 $- $'›

[illegible]

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;MLN A O AA@,, , $- 8;QPK(qP -5 B@C? A 2 B ,, + C+G ?@ B@C@ +@C B J +B@ C /C @+ 8 ,,@D !B JJ A. +@CA(A+- +B@ C O- + 2 E@ -C@ > B ? @ +B@G B @ : D -C+B ,, +B@ C B-,@ @+ !K<=N Q '44, KPQ O @ B JJ@D >J ->C C-D +B@ 9+ @ E@. A +- @?E,@ ;K<K 7 7 # $ E , ' 8;<NM:O;L B@ +-C @A+ B-C@2 +B@ . A. G B JJ@D2 AD +B@) ! 2 DC +@D ,- ,G G C-? +B@ I> G

E -, + 8 A E C -C >,,(- + - + C- ,- U2 AD 8A- 2 A >,, A.(+- EC A. + A+- +B@ E- + 8 #P 0 AD X 1 O (8!@@ , - I>-+ ;K<K (*6 - $1 &!(-?? AD f T B J - C ' 5? A-+B@C @A @ - T B J - C @@ +-

$>++) "5 P ! 0 <O B@ ! ,-C B J +B@ C # C 2 AD @ @ +- C- QOP 1 " 0 , =QN AD A- +B@G B J +B@ C - C 2 AD C- A +B A@ B@ B-,G . -E,@+ +- +B@ J- @C D A@ KPQ & .*B B $-*0 T $ -$'> <) LO - * +B@- C -C ! >,, +-*@CU + ->+ - +B@C- ,- U2 AD +- 1&$ +2 +- EC A. + -A E- CD2 ' B7 &*) ? &2 ' $ 5%0 2 B@ +C A.@C ?@ +- +B@ E AU2 B JJ@D B >,, 2 AD *>?J@D ->+ SW<= ;=2 B JJ@D +B@ - C AD, G E U +B?U A. 4K<M > $! & % $- SS 2 G ,, " G >A+ @2 -,,- A. +B@ -?? AD EG !B J " 4K<K ' , " ,!0 *& K#Q O 8$- A.(C +-, + +B@ B AD,@ - +B@ - C B@A +B@ E, D@ -A +B@ +@C2 AD) +B@A +- ,,- + +- ,- +2 +B +B@ ?-+ -A - +B@ E- +2 ,-A. D@

;N -C . AD @ J $) 0 - JA+ 8 A -E*@ +(A J- + -A -C J@C -C? A. + JC-J@C >A + -A * ,0 +- S 8 A - C(A +E@ C- ,- U2 A C@ D A@ +- C- B@A @2 +- J>+ A J- + -A -C AG J>CJ- @

$%$% 1 ' $) LPO " C@ ?E@ - B @@D@2 B@ +C J'+ 7 B B2 + B B@ D2 +B E-+B B AD E->AD2 B@ B J+ S* < '!$' ! *"(, A &!!0 ! ?$!!$ 8;QLK(" ;QL B 3 A B J B # C2 AD ,@ @ A-+B A. -A !B- C B + A@@D >, +B@ -G'.@ +% D A @ ;QM< - . 0 $ ' m;QKN(2 - B J +B@ - C 2 0 (+- S +B@? A +B@ C C- D- U - B J +B@ @, .>A 2 +- S +B@? A +B@ C - U@+ ;Q<K A -, *0 8;K=P(" PL "@ B D A@ C>DD@C ? D@ >J-A B - A D@ U2 B B ??@D +@,G B JJ@D X5* 0 0) $!0 SMD !@ @A -C@ .B+ 8A + @ a C@J+ A+- +B@ C@@D 2 +B +B@ C J@ C B JJ@D +- +BC- + > SWL= $' (' LL !B JJ A. A.,@ - C A +B@ +@CA2 8B@a E@. A +- >,, ->+ +B ,, B ? .B+ ;KLQ = '$! ""&2 S, 2 B@ UG, .B+ B JJ@D -A . A SK=W : B. 5) ' C$, % , 6 Q; 7B B ? + AD , C@ A@ @C B JJ@D >A+ , C@I>U@D SK) 5 < 66 !0 $'0 8;KMO(;<P - B J DD >A B J +B@ B AD J U@ 4KMQ $!&C & 31.0 22 !B J J + A E C SKKS $!" !0 OK : A 2 E-,@ E . @A->.B +- B J +B@ ? A? + A

+- ' H 8 -C*$ 0 - D? + - E@ A. J, @D D J- + -A +- B @ @C+ AT J- + -A > -A 2 +C A @

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$ AO = 8 " - !0 C$ 0 C$, % , ;M B@ C C@. CD -C A@ AD . G B-@ 2 - B B +B@G T B J A@ J C @ @CG !>AY D G ?-CA A. ;KL; . 8 0 &) ' & ' S 2 "@ +--U &%% B B +@ * U@+) AD B,J+) E,>@ -A@ 4KL= = C - *! S, 2 B D B JJ@D +B@ E ? , @>+@A A+ 4<;N ?!$, . 2 0 $ (/@ QPK O B@ E@ C@? ++@D +B@ C B->,D@C >AD@C +B@ +C J AD B JJ@D +B@ +C E>CD@A

;O $! 0 - @A. .@ -C @C @ -A B J

;M=L ,!0 & - -&' =(10 !$' + PN "@ B JJ@D +- @C @ A +B@ D 5C . -+ !M<< / 3& $ &"0 ; ;PN2 !B J+ 3 +@ - +B@ !,--J +B + ?@ C-? 3 , +B > ;QS< -) & + 8 ,-E@(;P + ?G .C@ + 3 -C+>A@2 +B + A ,, +B@ @ D @A+>C@ D D A-+ B J ?G @, ! ,-C 4K=N $ " ? 0 $ S A +@ D - B JJ A. -?@ B AD +- ? U@ ->C -CU +@C

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L% > 1 C!$ ' $' C!&) ;SP @S+ +- +B@ !B C@2 +B@ !E JJ@ 1 0 B@ !B J A-+ -A,G +B + J@@ @ B B B-,D@+B +B@ !B C@2 E>+ J, @D E@A@ +B A@S+ +B@ @ C+B

B J %% 5 85-C? U @J@2 - J 2 @GJ@2 ' !$' J2 -J2 O @@J2 L J8@2 L = - J8@2 L P -B J@2 = B>J@2 = P @E JJ 2 B J@2 -BGJ2 B@J@2 B@J8@2 -B J@2 -B@J@2 = M !@B J2 BGJ2 B JJ@2 P -B>JJ@2 B@J@2 -BGJ2 -B@J2 ! M BGJJ@2 P Q B JJ2 = B J(2 A # T3 * (3 . * 8C C@(2 3 , (3 "* (A., A 3 , *(8- 3 , &*+ +C ? f # 5C 3 . * (3 . *(3 * 8 7 5C 3 . *(3 *(5C 3 . *(3 .$*+(# ! 3 , * (3 , * (3 2 '(3 ,= + *(3 ,= + * (3 ,46 + *(3 ,=f +*(7 5,@? 3 *(3 * # @A+ T .$* 30(. +- C@ +@2 -CD A2 JJ- A+ 8 @@ 1 ! ;D D B@ [- +B@ +@- G,, E,@ - # 3 , * AD +B@ -CC@ J-AD A. -A+ A@A+ , -C? JJ C@A+,G D>@ +- @ -AD CG A , @A @ - +B@ >?Y , >+2 +B@ B A.@ E@ A. JC-E E,G ->C@D EG +B@ , U - +C@ B@ C@, +@D T .$*&30 ? 2 T .$* @CA 2 AD T .$* 30 -S 1C3(?@ A A. T C@ + -A2 C@ +>C@2 -A + +>+ -A2 -AD + -A '2 @C@ > @D A @C? A +B@ @ -AD @,@?@A+ - -?J->AD AD A B >?@D +B@ >A + -A AD ?@ A A. - > S @I> ,@A+ +- T .$* 30: -C? C@ C@JC@Y @A+@D EG # ! 3 .$* 4) 0((> 3 , $*+(# "

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B@ -6- A. A-A @V -C? + -A +@C & ' . *] ;QMK C !($' 0 4 ==)2 +--U * >A+ +- +B@ "-+ +-+ C , !B J ^f UC , B J a

!B JE- CD 8: JE-: D(, - L J@ 2 B JJ> E-CD ^ 1 C i) 10 % 7 5C 2 . * &$ 0 3 , * 1& " 3 / > ,0 & " * 0(, * 1& 8 / > , * 1&& +(, % = +1 # . *4 +1& 8! . ** 1& (/ . 1 1& +0H i : B@ D@ - B J 8 @@) 10 B @ ,G A JBC 2 ' *1&$ f -A E- CD B & = + *1&$ f 3) & &5%

*1&$ U -A +- -C - B J 1 (N ,) =L ,,@ !@ AA@A J@ E@ >A *@!) ;ONP] % @ >?@ A@ >@C D V J@ E-CD $;LNN 0 & ' ; ;L :V@ B ,DC@A B EC-*+ +C-AD@ ,A +- B>J@ B-CD@ `$ 4=NN & 0 7 +B A B JJ@ E>CD@X , ;=LN " < ' 0 LM= " @ E D ,-D@ ? A + -CD !B->,D + B@? ->@C +B@ B J E %;==N ?&' !& 0 ;Q<M2 B ,, BG+ BGA.@ -A UA ..*

7 +@C ?@ >C@ +B A +B@ !B J E- CD %]& A : O>,, C" '&) 8;KKQ(PM O-CA@ C +B@ ! B JE>CD + +B@ 9@ -AG J C+ - +B E>C.B@ ^^@ ! ! D 0 !) - AD @>@C @ ? A +- B JE>CD DC@ %b M 0C ' " &)(,& 0 !@C ;OL E G B @ C@ + +B A , E>CD@ .C +@ I> A+ +@ - +> ,6 ^L@ 9 & - 0 =NK !B ,, @+ B G->C +> @ C-? B JE-CD O 0 S > SS" O<< A G A. B B !+ ,ECD A2 AD , +B@? +- D J + B - B J E- CD ; ! <$! & % **& 0)%MbN. L; B@ 3 CC A@C + ,$ B ? - @C !B J E- CD I 8 9 ! $'0 2 " A@ J + @A+2 B- B D E@@A -A .A@D +- B JE EG +B@ 3 DC JC ++ -A@C +B @CG ? ,, B-J@ AD@@ +- ' *1&$ -A E- CD B J 8!@@ O- 10 ;= (, - %$ *1&$ 8 C@I>@A+ , ;MON ;QO , ;=QN (! $!!$, S KPM C>@,, - A+GC +B C B JE>CD @GA ;PP) / +C & > E P* $ 8 ;MP O G C@ -A - ,& + U@A2 +B AU@2 B JJ@E-CD@ ; &'0 0 MKM %-?? >>D A. B ?@A +- . - -A E-CD@ SM-- (9 , ! &"0 ==N 7 @ EC->.B+ +B@ B JJ@E--CD SMM- S & A'! $ " ;= 5@E 2 B@ C + + A @ @C CC @D ?G @ B J E- CD) c_ : + 9 " 0 ;K E@C+G U@+2 ,,- A. B ? +- -,,- - >J + -A >A ?-,@ +@D2 @ +B@C -A B-C@ -C -A B J E- I F 9 & - 1 " ($ O@ A. +B@A -A B JE- CD2 E- -C O@A. , SKKK $ % & % - & ' " =L @C@ @,,- J @A.@C -A B J E- CD E U +- %B C,@ +- - ! ? , C,G & % *1&$ (

;K=;) > $!! " SSS ;NK B) @ J@ CE? +B@ A@@ ,@ - B JE- CD W! Q I < ' E 5*0 L 8;KPM(;QL B@ , @ - B JE- CD2

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;LP 5, 0 , , 0 A0 0 E>AD,@ ON A- OQ 8& $ # (2 O- ? .A @+ J - + T B JJ@E-CD @?J+ JC- -A -A@ A JC@D +@ ;=KL $ 0 ' !0 LLQ ; ! BG E>CD@2 $ (=KM $ $! , , 0 ' 0 m;K<M(;P2 !B JE-CD@ J@A+ A C@J GC A. - 8E@ %-UU@ N; +B@ !B J ;PMN . 8 @A@ (O .0 SS P B@ B >@ ? "J+BG B J B-CD@ - GCC@ +C@@ - !B@A C

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;KPQ B61 0 $ 0 8@D L(=Q B@ AA- > +@ B B .@A@C ,,G -?J- @ B J E- CD C + -A ; C!$ ' ' ! 2& . :OL - ? U@ ?-J -C B JE ,@ A A. ;K<N 7 2 . B .. $ ($ Sb 7 B + B@ B @ +- G +- B JE- CD @DD A.

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!B J E-+@2 +---+ *) &3$, 0 ^!@@ O@ + . * $

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!B J + -G ' B J' B-G ! 2 1 3 ! $

' B. ! !BGJ E-G@2 &'$) $0 $/O/ % , = B !B J EEG@ @?E, A @E +BD .> 'D ?@I> EI \ ($N60 b B@ D>@A+C-> B J E- @C@ A J@ , - +B- @ !B CU@ MMX A <& &!% (- 0 %) 0 JJ ;MK B@ 3 +@C ->.B+ +- @+ B ? B-C@2 AD 2 +- J C@ B ? -A@ - +B@ !B J E-G@ +- ,--U B ? ;KL< ! / &" &!) - 1) &-@? LK B@ B J E-G -A +B@ D XXG ? + " , EC@ +B@D E -A \ $!& > & 31.0 *31&"(E-G JJC@A+ @D 0 " /

,@ CA' +B@ C' @ D>+ @ Z E>' .@A@C ,,G' JJ- A+@D' ' @C A+ '
KKL') ' $ (' SZ T " @C@Z G->' B J' ' E-G' B@'
C @DZ T ->' - ' +B ' ;'

!B J EC@ U@C')@? ! ? 5.$ K ' + 9

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E,@ ' B J CJ@A+@C ' - ' ? +@CD ? ' ;K=N' $ ' " '

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? +@' JJ@ C ' +G ' 7 ' ')* ;' Z B@' B JZ
,@ '? A' ;KLP' $ >' ' $ 4 , '=P' + 'D@ @C+@D' S B A.@Z
+ ' D,@' I> G Z AD' B J,@ ' B CE->C' ;K<O')'

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E-++-?2' B U@' ', ++,@' J@JJ@C' D' ,+' - @C' +B@?2' J) @' E+ '
- 'E>++@C' ,,' - @C2' J>+' +B@?' A+-' '?-D@C +@,G' B-+' - @A ' T

' ! E CC@,' ,(8%-? B- ' A' +B@')+B #
5-C? ' M' -B@C ,D2' @+8+2' ++2' CD2' B@U++2'
-B@ CC ++2' K' E CC@,2' <' B CC-+2' B>CC + ' 8 A'
M+B' ' , $! ' ' ,. 3' ' +-' >+' 8 B@'
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8 @@' I>-+ (')
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A.2' B B2' -,,- A.' A'-E*@ + -A E,@' ?@C A ?2' ' , -'
UA- A' ' ' B CC A.' ' J>,,@D' A@ C,G' + .B+' C- +'C- '+-'C- '
- ' +B@' C>AA A. ' ^@+ a' 1 0' ==Q' !B CAA. ' C@' ,- @' $>AY
A A. 2' -C' -CD ' A @C+@D' E@+ @@A' + -' J @ @ ' - ' %,-+B2' ' +B@'
,A@ ' - ' AD C>EE@C' A' !B CC@D' 0C @ ' -C' C+@C 2' -C' +B@'
DC A.' AD' J> U@C A.' >J' AG' ? +@C , ' ;<NK' 3 ' / '
&- ' *' C ' ' 2' 3 ' 3 C' ?> +' B @' B@C' +B A. ' ? D@'
J, A@C' -' J> A.2' A-' B CC A.

E ' %-?E ' B CC A.' +C A.' 8 @@' I>-+ (
;K<;' ') "' ,0 ' ' ' ' "' ' +C A.' #C' -CD'
J @D' E@+ @@A' +B@' + -' +B UA@ @ ' - ' ' D->E,@' C ++C @D'
EC 2' -' ' +-' ? U@' +B@' ? ,,' . +B@C ' ,- @C' -C' ,-- @C' +'
J,@ >C@

! B CC-+2' C A+' - ' .

! B CC- 2' '& (' -C?' - ' 8 ' 8?-> @(2

! B A) ' 8)C(2' ' ^ ' ' 10 N' " V' !B CC@D2'
J> U@C@+B
+J- ' ! , 0' & ! ' ' ' ' 0' ON 5@E ' LQ=' ' 0' ('
!>JJ (' B@' E,- ' - ' +B@' , G' E@ -?@ ' >A@ ? + D' !B CCG '
,-+B' ' +B@' C@ >,+

! B CCG2' -E ' ' ' 10 (' C' ' C '
AD' ,

! B C+' 8: :+(2' 10' 5-C? ' C' -GC+@2' L' 8-(B>C+@2'
8 -B>GC+@2' >C+@2' 0--C+@(2' =' B C+@2' @C+#*'
( )' -B@C+8@2' -B-C+@2' (' B@C+@2')' -BGC+2') 7'
BGC+8@2' B>C+8@2' B C+@2' B-C+@2' 8e' * ,FCC+B) ' M'
B@C++2' B@C+B(2' M ' B C+ ' ^# ' ," ' U ' @? '
-CC@ J-AD ' -C? ,,G' +-' 3 / A' , & ' 8?-D / '
, & !' @? (' JC-A2' 3 2' ' , & ! (' , & ! '
, & ' JC-A' 8,- ,,G' , -' +E ' .- A' -CA' EG'
-?@A(2' ' .) 0 ' @? ' JC-A' 8A-+' ->AD' E+ -+@'
, +@' ;Q+B' (2' # ' B C+' 8! ' .B ' $(' /
.B& ' B C+ ' C-?' +B@' # 2' +B' + A@*+J, ?@D'
D @C@A @' - ' @A @2' ' A. ' !9C ' 10+' # @>+ '
+GJ@' T .) B& ' 3(' JC-E ' ' T ' 3' ' ' 2' +B@'
C -> ' @A @ ' B B' +B@' E ' B ' A' +B@' @A+ ' , AY
.> .@ ' E@ A.' JC-E E,G' D @C @' JJ, + -A ' - ' +B@'
-C . A ,' @A @' T' B-C+' . C?@A+' ' ' ' -.A +@' -C?'
T .) &30' ' C@JC@ @A+@D' EG' 3 " 2' ?-D ' ,) 0'
? 2' JC-A a
' A' >AD@C. C?@A+' -C' +B@' >JJ@C' J C+' - ' +B@'
E-DG2' ? D@' - ' , A@A2' , -2' , AA@,2' ,U2' -C' -+B@C'
B E,@' ? +@C , ' #C . A ,,G' , G ' -CA' A@S+'
+-' +B@' U A' 8 ' 0' @(' A- ' -?@+ ?@ ' A' >AD@C B C+'
-C' T' @ +' " ' -CA' E@A@ +B' + ' 5-C?@C,G' ' . C?@A+'
-??-A' +-' E-+B' @S@ ' 8 ' D!' E>+' A- ' A'
C+ ,@' - ' ? ,@' ++ C@' +B' ,-A.' ,@@ @ ' 8- +@A' +@CY
? A + A.' A' C +E AD ' -C@A) ' , -2' A' A A+' '
>AD@C. C?@A+' +B' B-C+' E-DG' AD' ,@@ @
B@' ?@ A A.' -' +B@' -CD' A' # ' ' -E >C@2' ' +B@)' -A,G'
A + A @' - ' + ' - >CC@A @' ' ,.- ' A' B B' +B@' ?@ A .' - '
+B@' + A' -CD' ' JC-E E,G' A-+' >AD@C +--D
?&! ' ' '86 ! (2' ' B +@' , A@A' B C+' ' D + A.> B@D'
C-?' ' -,->C@D' -C' AA@,' B C+' &!&) ' "' -A@' A D@'
- ' ' -,->C@D' ? +@C ,2' ' D + A.> B@D' C-?' ' 2 ' $
$"' "' ' ?-C@' @?JB + 'A ?@' -C' +B@' B C+' -CA' D>C A.'
+B@' D G' +?@' ' D + A.> B@D' C-?' ' V * * ! 3'
& ,$!' "' T-A@' D-CA@D' +B' -CU@D' -C' - @6' .>C@ '
85 CE-,+(' !!) $ ' "' * -> , C,G' > @D' -C' ,-->C@D'
B C+' , -' (* ' ($*
H$' %RRR' ?&) !& ' ' <!& ' ;=L' A' < -$' $' 8 ' ! (' 4 'L<L'
! GC+@' * $ 5 $' "' +>A@ A' & !H' ' ' 0' &!!(' &')'
[L<' "@' +>CAD@' >+' - ' V@E>CB' A+- ' ,D@?@ AD E@ + >@'
B@C@' +-' B>C+@' AD' .C@' ' +-' >C+,@' ' ,S D' ' OLQM;'
7 CJ' B@' A' B 'C>..@' @AA@' B@ ,' +AC+@'4,' SOQP @-C+@a '
@AA@' J ,,@A@' >C+@, ' %<]R " '1(;<;' "@G ' -+@' E 'U@C+@,'
AD'B ' @C+@' +-' *V@J->C@' >-C'.-D ' , E ' # , 'C$ ((
;<0' 7 B@C@' E@@A' +E AA@' +B@' B@ . G@' $-E@ ' AD' +B@' ? ,@
B@+@ ' AD' +B@' - +@' B@C+@' ' , ' %]MR:' $> ' ?.(C!)) '
KQ;' ! @' +B +' G->C@' ->@C GA@' B >@' D@A@' B>C+' \' EC@ B@'
I @ # ' & ' 0' ' 0' 8;PON(QE ' "@C >,@ 2 '
E@+C G@D' EG' ' B@C+@' +B +' / @G A C 'B ' G @)@A+' BG?' @? '
J-G -A@D' %bR& %R' , ' ' 0' !!!" ' ;=' ' AD' +B +'
A-' ? AA@' >ADC@' +B@' D@.C@@' - ' ' 9AG.B+' @C@' AG' . +D@D'
-C' JGA B@D' !B@C+@' ' OMQ ;' !B C+' -C' ' ? A2
B 'UA@@' UA- U A.' @ B' -+B@C22' B@' -?@' E@ -C)2' A+@' ;KOP'
) 0' &) ' "' 2 " ' A.' '3 +A 2' >C@' G->'
B->,D' A-+' E@' 7 +B->+' 'A@ +@' B +-C ,' B C+' G@' Q 0
' $!"' b' &'$,&+"' 7 @' B@C@' ' @ @C ,' &@C -A 2 +B +' A

+,?' ? D +' - ' / @ @? E@C' B >,'A-+B A.' - @C' +B@ C' !B->,D@C 'E>+'
' +B@ C' !B C+ ' >>, M ' ' 7 H)2 , =KL' C@D + '
E,@' D G , E->C@C' ->,D' E@' B ?@D' +-' JJ@ C' A' J>E, '
+B->+' ' , A@A' B C+2' ;Q<<' " ' ' ' & , , ' QQ'
' ' ' ' ? A' ' + AD@C' . C?@A+' ' ' -? A '
3 AG- ' +B@! -+ B> @C)0 -C E-+B' 4KP[' :) MN 5 '
$1&) !0 P; 0' %-,->C@D2' -C' , > +C +@D E C+ '2 +E@G C@'
,,@D2' C@' @ J@ ,,G' -E*@ +@D' +-' EG' +B@' ?@A' ^ - +@C?-A.@C a'
L [&' : f# , ' &,." ' 0 = 0' 85 C?@C(' A' -CD@C' +-' ++@AD'
+B@' - @CA-C' 'C@ @J+ -A' ' E-CC- @D' ' E- ,)' B C+' ;KM<'
/ ?+ !') (' 0' A' ' *2 0C D,@ ' " @ D +-A@' A' E D@ @A+'
B +@' B C+' , "--U@D' ' +B-C->.B,G' D@ @A+' G->A.' ? A' % &M
' ' (. " ' &* ' $ ' S 2' B@)' B--,)' +B@G'
+ C@D' ' B +@' ' +B@C' B C+
' &%% ' 8J-@+ (' + B @ 8 : > @ A ,
$ (' ' OLP(2' ' +>A ' T ?@ C@D' +B' A , ?A E,@'
? +@C , ' " 8! @A@ ' %(' TS ' P(' A' B B' J@C -A '
-AD@?A@D' +-' D@ +B' EG' E>CA A.' @C@' @A @,-J@D
' ^;Q , ' " ' % ' $' $' $&Nb0 ' ' 2 '
' ' ' $ ' $

E ' ?!&& "' ' H ' E,--D + A@D' B C+' @SB E +@D'
' ' G?E-,' - ' ?>CD@C' -C' ->+C .@' , -' % (
);PKM' , $ $' ' ' 8!-??@C(' OP' E2' &@-J,@2
B > A.' A-' E AA@C 2' E>+' E,->D @' B C+@ ' B A.@D' J-A' ,-A.'
+ >@ ' ;QKK ' ,!0' ' ' OMM B@' E,--DG' B C+'
- ' +B@' ? C+GC' ' @SJ- @D' A' +B@' ?- B' - ' / ? > ' ;K=N'
^ ' C> $' , ' ==' 8%@A+ (2' + & -> B@C' DD a' +' ' EG' JC@ DY
A.' ->+' +B@' ? @C @' - ' +B@' -CU?@A2' +B@' E,--DG' B C+' -
-?@' + ?2' +B +' +B@' J@-J,@' C@' @S +@D' +-' + U@' C?' ' SKKK
2' & .' ' .!"' - ' 0;' 3 C' 85 C?@C(2' +' ' C@JC@Y
B@A E,@' -C' +B@' 0->CE-A ' - ' +B@' ! ->+B' +-' - ++ A 3' +-' J, G'
-A' +B@' -,->C , A@] +B@' ! ->+B@CA' E,--DG' B C+2
N2' ' &%' $ ' H G ' ' "
%]<R]R 7 ' ?&,%$ ' S' S ' 0=E2' !B-C+@ ' - B@@C' @C@' , -'
, GD@' GD@' $' %bbR -$ ' *&, 0 ' OO0?' . !&') ' . (
)%]<.' :$]]%ON !-?@' @C@' B>C+@?' - ' B@C@ ' G ' # M$ '
) ' K;' A' B C+' - ' B C' AD' @@D ' - ' A ' DC@ 'D2 '
! @@' +B@') @' B@C?+

D ' ' &%' - $!' ^ f ' 5 ' , - ' ' - $!! B(
cbNN ' !& ' *(' (' (& - - (JJ' 3$ =NN' -'
2 ' ' / ' ' 2 $' %b&N M' ' ' 0 ;NKM2
=NN " ! ' ' ' ' 1 ' $ AM((# / '
!$,D) -$ ' "' ' / ' ' ' $ % M]' \ ' $
E - ' C& - ' LPM " - ' ' ' ' 1 ' ' 3 '
- ' 2 / ' ' '

@ ' 7 +B' I> , G A.' -CD' AD + A.' ' . C?@A+'
-C ' J@ ' J>CJ- @
%_bM _V " ! ' $ (8;QMN(' ' ;KL' 5-C' -A @' E +B A.'
-A@' J G' S' ,) 0 "' AD' @' ?-C@' -C' +B@' > @' - ' E +B A.'
B C+' % &b' & T'C , ' "' @A+,@? @A' ' A' @AA '
AD' %C U@+ A.' !B C+ %-++-A' 5--+E ,,' !B C+ 2

' !B-C+' -C' (7 " K
$ &J ') ' $ ') ' ;=N' !B C+ ' AD' B@@+ 2' -,D@C' +B A'
AG' >A C-X@A' +@C' A' E@2' C@' @,G' -CA' AD' , A' A' ,)'
? AG' J@C -A 2' B-2' D>C A.' 'B CD' C- +2' A@ +B@C' C?' +B@ C'
E@D 'A-C' +B@ C' B C+
. ' JJ, @D' +-' ' ,-- @' . C?@A+' C@ @?E, A.' ' B C+'
^^E ' $ 0' 2 ' ' (CE(00' !-?@' ^AB E+ A+'
' 0-CA@ a' @ C@' B@C+@' ' - ' ,- ?J A@' -++-A2 -?@' E@ +@'
U AA@' ' ;K=;' $ ' ' $' ' L;L' '& " B@' 7-?@A'
@ C' ' B C+' , U@' +B + - ' +B@' ?@A2' E>+' ?> B' ,-A.@C' && 33
'& H B@G' ,,' +B ' B C+' % ?@@ ' ;K=K' # , 3 ' ' $ (
$ ' ' (')% &_' ;P' B@' E- +' C@+>CA@D' +B' +B@ ,- ,
>+B-C+@2' + ' -' ->,D' ,, .@C 2' A' ,-A.' E,>@' B C+
/ ' &BC @ 2' ' % ' & (') ' &(' &' & ' 8-C' +
"' - ' +-' ,@ @' -A,G' -A@' ' B C+ ' ' ' - @C A.'
,' 0<N $0')5' =K< A' 0' 0' ;P' " ' ,-A@ 'B@' +@
'@>@C @ B -A' A-A' +' ' @E>C+@' AD' +-' ' EC @@E'),' ;LQ='
D , ' &"!) ' ;N<N AD' - ' B@' C@A+@' A +-' B ' E C@'
B C+@' %;=PN ' .> ' $! OP;' : @A' 7 ' ?J@C->C@
DG J-G,>+' BG?' +-' B ' B-C+@' ;PKP ' O ' +C'
&!$"' ' &"(;0550' OP' E2' B@' JC@ @ ' ' -' .C@ +@' -?@'
- ' +B@?' @C@' +C JJ@D' A+--' +B@ C' BGC+@' %?' ' ?@'
+C ' ' ' &>' ' $ (' OOM ^ B@Ga' 7@C@' , ' +C J+' +-' +B@'
B C+' ' --A' +B@G' B' D' E@@A' + U@A' %M&<' $' ' C
$1! ' ,55 0 ;;K' ' &C-D . ,' 1->A.' 5@,,- ' +B + B D' -,D'
B ' %,-+B ' +-' B ' @CG' !B C+

E ' ' ' ' ' A' -A@' 'A .B+' ++ C@' +B->+'
-A@' ' ->+@C'. C?@A+' P +B->+' -A@' ' - +' AD' + '
%- +
, EGI' # , ' &"!) ' <M! @' - ' D-.B+C' V +G' ,@ +'
' !,@JG+ .' , ' G'A@'B D'B@C' EC-.E+' B@C' B@C+' IG@* ^'
: ') ' S'SS ' =PO AD' +B@C@' +B' , C' 6-C U'
,@J+@' ->+' M ' +B@' E@DD@' A' B ' B@C+@' ^I ' (' &'0 '
' 0' !!!"' ML' B@A' ?@' A' +B@J--C@' G->A., A.@ E->AD@'
A'C-J@ -A@' +@C' A-+B@C' A' +B 0' C' B@C+@ 2 \'@>@CG' -A@'
B ,+@C' E->+' B ' A@%U' 5^ ' 9 ' 0' 0') ' ,]$
4 9 d' 0 ' 0' % ' PQ' ;P<0 & ! -$ ' C $'
' , 2 7 B@C@' A' ' B C+2' E>+' +B' ?G' A..@' $ J @C2 ' -?Y
E +@D' $-? AG' ^ T' ' CL' $ 0 ;;;' S 2 0C A.' ?@'
--C+B' A' ?G' B C+2' AD' C G'.- A@' AD@C' ?GA@' C B@' \GI'
) , ' '] B@' C-E>' +' %C U@+@C2' J, G' A' B ' !B C+'
((' C' (2 B@' - @C @ J@D' ->+' - ' E '
E@DC--?' AD- 2' AD' ,@D' A' B ' B C+' EG # ! ' 0
' ' ' @A@C ,' / >? -C @X' AD +B@' +C@@+' -@C@D'
+B' ' ->C' -C' @' +E-> AD' + X@A' A' +B@ C' B C+
i ' ' , ((@+ ' $% ' 2$' - "' 5 A @
MC' E@ -C@' ' ' E-?2' @ J' +B' C@ @C@A @' +-' -?@Y
+B A.' T B J@A' " -C' D@ C@U,' E@ -C@' -A@' ' E C+B
I' E ^# , ' 0< (' 0 OML< !GA' GC +' +B +' D G' +B +'
B JGA' ' ?GA' B@C+@ '! -' AG' ?GA' E@C+@' A@ @C' +B A.' ?@'
-?@' ' +B->' !;LKM] ' V ' % ' 0' OPMM B +' B J@A'
?G'D@@+B@C +' +B A' ?G' B@C+@' , ' W&+A 7 ' &- * !0' ?!0' V ' 0'
=K< #C' ' 7 ' E-?2 ?G' D@ +@AG' J-AA@' 0C@' & C
> +C@A ' 5-C' +B@G' ?G'D@+B' B-J@A' -C' ?G' B@C+@' $';P=0'
7 1 ' & ' ' &)' , ' 0 , 2' +B@' C@ >,' B >A @2
B J@A' -C@' ?G' B@C+

D ' 8 -'B @(' ' & ' $ (?-C@' @?JB + ,,G' 8+-'
B @2' E@ -C+B(' ' & ' $ ' & ' *) >' $,. ' A-'
.--D ' -C' J- @ -A 2' A-+' @ @A' +B@' @A@ ' @ . C@ ' - '
@ ' 8 -' @ G(' ' ' &%%' ' ' 1$, ' ,'
-A@' ' J- @ -A
' \E ' # A# <]8' /Q 8

B@' J A +' ' B@C+@' ;MMP' 8 ' & - - ' ' &' $! '
8;<N;(<;' D? +' B@' E@' A-+' -C+B' ' !B C+' -' ' E U2' B@' B '
7 @ ,+B' @A->.B2' B-'B-,D 'B +A @, ' -A+@A+' ;QQ;' . . '
) - * 0 (" &' 0 < "!! - 'OK JC' 8;K;P(P;' "@' ->,D'
. @' G' +B@' B C+' - 'B 'E U' ;QK;' < ' , !0' , 'C0
;QKQ(' 'SSS 'ON0' & " >.> +> 'B D' A@ +B@C. , ' +-'E '
AD- 2' A-C' ' B C+' +-' B ' E U
' 0' ' ' (> @D' ' ' +GJ@' - ' B +' '
A@ C@ +' +-' -A@' ' J@C -A ' & ' *' !!' &' ' '
+-' U@@J' ' ? ++@C' +C +,G' @ C@+' $ ' ' - "' . '
1) ' ' $ ' ' - "' . ' ' JC- @CE' ?@ A A.' +B +'
-A@' ' - A' A+@C@ + ' -?@' E@ -C@' +B- @' - ' -A@' '
A@ C@ +' C @AD ' 1 0
;P=K ' . ' &' 0(L' ' 0' "' ON B@' UGA.' E@. A +-'
?> @' -A' +B ' C@ I >@ +2' AD' A- ' +B->+' ' > @2' -C A' D@D@'
+' +-> B@D' B ?' ' A@C@' ' B ' B@C+@2' ' G->' @,,' ? G'
J@C @ >@' EG' +B@' @A@ ,-.G' ;PQ< ' 3 ' ,0
8% ?D@A(' R ' -'B @' @ @CG' -A' A' -A+ A> ,,' @,->XG@2,@ +'
B@' +' - @C' A@@C@' +B@C@' B C+@ ' -C B @' ? , C' A .E+@' A'
+B@C' - ??@AD E,@' AD' D -??@AD E,@' I> , +G@ ' ;PKM
' ' 0' &' $! ' . $- ' _' :>A@' A' & (
8% ?D@A(' 0< ;2' , ' CC A+' B ?' B A.@D E>+' G->' ?' +
A-+' +@ , ' G->C' B C+' ' +B ' G@+' (QWM ' $ 0' ' 0'
;NL' 3 G' B C+' ' A@ C@' ?@2' ?G' ,-CD2' E>+' ?G' WU A' E' A@ C@ +'
P' ' <) 8 ' & - 0' ' 0' ;PP' %,- @' ++@+B' ?G' B C+2'
E>+' ,- @C' ++@+B' ?G' U AA@' ;MP=' !$. 'C$* \4 ' +
' ;0' B@' D@ .A@' ' @ C@+@2' UA- A@' +-' +B@' D@ .A@C -A@,G2
B -@' ! +B' 'B@@' +B->.B+' B C+' UA@ ' +' E@@' ->,D' E>CA@' +
' , A. ' &' 1 '&' ' ' "' &*) ' &' ' &' "

8 'B-C @(' ' +-' E@+' ,,' -A@' ' ?-A@G' -A' ' &' ' 8 '
J@C -A' (' ' &) (+-' > @'B ?' +-',- @'B '+@?J@C
;KP< & ' > ' !$ ' ' 0 ' ' " (7 B@A' -A@' J@C -A'
? U@' A-+B@C A' A' B>?->C B@' ' @' " ,-+' E '
B C+' ->+' ;K<0 C $!!' $!!' <$00' LN 3 C' M 0 0@+ +B@@' ?G'
B C+ >A+G' : A@' A ' ;)Q' I ' , ') ' 0
!$ ' ' ' ' J>+' -A@' ' B C+' -A' ' B-C @
' -? A' 'E,-> @' -C' ,-- @,G ++ A.' DC@ E-DG'
+B' ' -,, C2' C-A+' AD' > 2' -?@ B +' C@ @?E, A.'
? A' ' B C+' f ' T1!&) ' A' P'
;K<M - 0 <$00' < JC' L ;' B@C@' ' A-' A@@D' -C' ' B C+'
+-' E@' B CD' AD' >A @?? A@' E@ > @' +' ,,@D' ' B C+' 4N;L'
$!" ' < $*' ,'0=' 3 C' ;L' ' ? -C@' DC@ G' ?-CA A.' B C+'
'D@ C@D2' +B@' B -A' ?-CD' ' +B@' -->C@D' EC
E ' $1 3 (' U AD' - ' B@? @++@' ' @@'
' ' 10 ;0
SWL=' W@@' ' ' 1(;0 ' ;K==' @@ ' ' O+$A'
' < . ' $!*"&' ' SM 3 ' ' $-E@C+ B D' B@C' +B A'
E-A@' - @C@D' +B' 'B E +' B C+' - ' +>,,@
' $' %' A' AA@C' A.' -C' - @C A.' ; ' ('
; ; ' =&1 (+0 E ' & - - (AD' , ' 0' 8!@@'
I>-+ (' ^% 2 5 2' , - (>]
590' 0d"5< 0' ' ! 0' +B ' A?- +' - ' +B@' +BC@@' ?@? EC A@'
B B' @A C J' ' -?E@ ,-D.@D' A A+' Q ,,@D' EG' -?@' 3 D'
>@ ' +B@ A ,D ' B C+' ;)N' A' &) ' ' 0' ' $' &0
;0' > . ' ;<N<(' QP' B +' +B@' %-? J AG' ' ?> B' JC@*>D @D'
EG$, - 7 J.' > . C' +-' E@ T +$C@D' A' +A@' .>AAG ' +A@ D' -'
+B@' E>G@C ' + U A.' +B@ @ ?' T A' +B@ C' B C+ ' SK ' : ' I '
C $, ( ) & - ' 5' 0 +' 0;' B@' 3@ A' J U .@' B B'
-A + ' - ' +BC@@' +B UA@ @' 2B ' + ' , A A.2' -C' B +2 - @C@D'
+B' ' ?--+B' - ' ,-+B' SKMK # ' ' $! ' ;M' B@'
A+@CA ,' A A.' -C' B C+' - ' +B@' >CA @' ;KKL' 7 ' 3 ' 9 . .
A' V ' &2! ' OP' 3)G' LNK L' B@' >@,' B->,D' E@' J, @D'
E@+ @@A' +B@ @ ^ C-A' E C a2' AD' +B> ' -C?' A' >JC .B+' G, AY
DC ' C A.' -C' B C+' - ' C@2' A ,- @D' ->+ D@' EG' +B@' EC U
M ' $ 1(AD' & - 1(' K' ?J,@' ++C E 2' ' 3'
1 $ (3,&!!$' 8B@A @' 3,*!!$ ' D' (2' , %(' 3 $!(
3 2 ' 3! . ' D' ' E ' -E*@ + @2' ' 3'
&' (3 . ' (3 - $. (3 2 $ ' 3 - $. ' (
;K=0' ') , $' ' ' B@' D ?-AD' A' B ' B C+'
BC' $!+' 4PP0' 7 ' . (') ' KP' A' ?$1 ! ' ? .0(BG'
BGC+@' -,@C' +' +-' +BG' A@ U@' UAG+2' ;K=K ' ; '
$' (' $ ' ' 2' '&--B2' J--B2' 3 ' !B CJ2' D' B@2' J>,, A.'
>J' B ' B C+ -,, ? ' ;K<P &>' ' ' ' B ' ' ' ' OKN
!B C+ -,, C@D' +B A' A' B ' - ' +E@>C ' , @ 2 S) '
9 ' ' = 3 . . ' 1"' < $' 'SS 2 A-C?->') B C+'
> 2' ,,@D' ++@A+ -A' +-' +B@' B AD ' [K<4 $!"' J '
LN ' Q S A' J++-A' EC->.B+' EG' ' B C+ C-A@C' ;K<L'
$) ' "' $' $ -(8@D' 0(KN ! -?@' -' +B@' B C+' C-A@C'
^X ' ? B A@ ' a B @ '2 ' .--D X@D' C-A2' B@ +@D' EG' ?@ 2' -C
' ' KKS ' ' 0' ') ' ! . ' 8;KKP(QP' " - @CG' 3 A> '
) +>C@ !B C+' 9A' +@C' XK) ' = , ' 0' $ (
T' 3- $. ' ' ' ?@ J +C@ ' +C D@ ? A' B- ' @?J,-G
@? ,@' +-' ? U@' B C+ ' SKKM % ' I ' ' &' 0' &%' &Q
$"' S ' 8@D' L(LP! " - @C 2 .,- @C 2' AD' B C+ ? U@C 2') Q'
;< =' ' 0 >. 'ONL' -AD-AD@CCG ^ +Ba' +' B C+ ? U A.'
AD> +CG' ;KQL' ' " * 0 . , 31.0 =Q $> B A.'
? D,G' E->+2 +B@ C' E,>@ AD B +@' B C+ + , A.' A'
+B@' AD' ;<N0' $!"' &' 0 L=' :>,G'< =' >ADCG] . - D'
B C+' B@C' A+@D' ;<N< 1 (OL' : A' K L' $-+ CG' !B C+'
7 B@C' 8 --D' @ -ADB ADC' EC ' G, AD@C(2' A+@D' ;K;P'
' ' B7 ' 8: '%' " -EB-> @(' ,&!0 &' ' % ' 8;<N;('
' OMK " @' B D' ,-A.' B +@' B C+ C +
' - ' !J@ ' , ' -?E ' B C+ E AD' b ' B) ' =2
, -' $!T +B@' C + E AD' - ' B C ' B C+ E,-> @2'
E-D @' f ' @A @' L' E- @' B) E- -?' 8A- '
E0 0+' f ' 3% &' ' B C+ E>++-A2' ? ,,'
X@D' E>++-A' J ' ? -+B@C' - ' J@ C,' -C' +B@' , U@' J @C @D'
+B' +BC@ D' B-,@ 2' > @D' ' ' +@A A.' -C' B C+ '
B C+ E>++-A ' 8 @@' I>-+' ;KKN(' B C+' @2' '
+C @,, A.' ' @' -C' B C+ ' B) ' , -+B2' T8 ('
' J @ @' - ' , -+B' -C' ' B C+ ' =%+' 8 @@' I+ -+'
;<;N(' B C+ >++@C2' -A@' B- ' >+' ' >+ ') C+ ' -C'
+B@' +C D@ ' B C+ DC@ @C' 8 @@' I>-+ (' ' - ' B C+Y
DC@ A.' 8 A' I>-+' ' $ 1 (' B C+' % 5 ' E(0
8 @@' I>-+ (' B C+ D6 2' ' C ,,' -C?@C,G' -CA' -B'
+B@' C-A+' AD' C + E AD' - ' B C+' B C+' C-A+'
' - ' ' 10 < D ' , -' $' %(' ' B +@' J + B' -A'
+B@' B@ +' 8- ' ' D-.+ ' B C+') B&,) !$ (+B@' JC-Y
*@ + A.' @AD ' - ' ' + AD >J' -,, C' ' B C+ . - A' ! '
$!((' E-D @ ' B C+ * U@+2' ' ,-- @ ++ A.' , A@A

[illegible]

>AD@C' C -> ' -CC>J+' -C? ' ' ,. - % , % %' '
2 - (T
;L ' & - '$! '8!U@ +(KO= 6 ' ' ') ' ' E@J'
B +@C- G ' $';KOQ : ' J '<!& (& '?$ *%'" ['
%& '8;KMQ(MQ &2"' +B@ B@C-A' '+B A' @ U,G' J@C -A
;!B ++ B '8: + (' $ 3V' ^"@E' "/+)' !$V'
B@' ' ' -C JC@B +-C ' ' C E2 $' (I.()+ A'
&% (a
' '+C@@'E@,-A. A.'+-' -?@ J@ @'-'
2 C-?' B B' ' --D' '-E+ A@D2
(MA(' + ' $(S" '%&/ ' ,' J, A+' A' +B@' ,D@CA@ ' +B@'
%@D C2 +B@' !B ++ B' +C@@'^;KK= = +' '+C@@a
!B ++@2' !B ++@ ,,2' -E ' ' B !' B .'
!B ++@A'8 '+A(2' ' ^J ' JJ,@' - ' ' '
/@ ,@D' +B' @S C@?@A+
,';LKM # 'C &!0 PN= AD' B ?@' +' 2 ' ' JC@ +' + U@'
U@@J@' ' B +@A' 0 (B@+GA2' B +@Aa' B@JB@CD@' AD' '
D@A@' B@@J@' ;PPQ' ! . ' ! '0' +'E2 'C A' ?G' G'
AD' ,@+' EG?' G+' ! ?-U@' AD' B ++@A' C @' +-.@+B@C' ;PQW
<$- -(<' &'' 2 ' '5G' BG++@A' UA >@' AD' -> +' J-A'
+B@@' S W= ' , ' $1 !$ ' 'S '8;QLQ(PK' ' B ++@A'
%,->+' ;QLK' M 'C&!(&' ' $0 7U' ' OQM' 7 BG2'
3 2G->' B A@'+B '3 -CA A.' ,U@' B]'0 CA /--C' SQPD'
? "'@+ '6& '' $'. ';K' "@' ?@' CG A.' A+-'+B@'J C,->C'
A' B ' B ++@A' -AD + -A2 -?J, A A. +) +' B@'B D' E@ ,A+'
B ? @,2 AD' 3 CG' / - @C' ->,D' A -+' D@ A' B ?
& - 1($'(PNN 'C!$" (' '&, ' '(' G,,? G' +' @C@2
; @ -C ?G' @,,- ' AD' ?@2+-' , G' ' E ++@A C @D' BC@ '
;M<= : , ' $1 !$ ' ' S'LM ' , ++,@' B ++@A)'D' C, '
E' 'H . ' / .> + A.2' -A+@?J+ E,@
\^I ' + ' ' 0 & $ ' +' F I 0 =KE2 '+B->.B' +-' E@'
' UGA.@' @C@' ' CC@' G,@C - G @2' +B A' +-' E@' ' J(DD@'
BG++@A' A-AA@' ;P<O' V ' $' ' P)&' 8' 2 B->.
.C- @' B +@C' -C' B ++@A' + J +@C,G' @ + ' SMSM 0 ' #
* 0 SSS6 ' ' $ - &) ' C&"((AD' ,' B ' -,,- @C 2
+B + ' A' -' B ++@A' -C+2 -' ,-A.'B D' 'D'B ?' S VPM' .&",'
&!! "' L=' ' B ++@A' ,> U' +-' J@C B' - ' &) '
&2 ' '$' $ 'O=1->' AD' ' C@ A' ' B ++@A' %-AD + -A '
"@A @' '!, T++@A,G'$ (
\^L' ' $,$ $_' ' (((HH5P, "(
!U ++ ?' 8: + ?(' 5-C?' ' ' =' G ,FA??
-BG?2' @-EG?)' P' -@+GA@2'M' @+B A2'8 @ +B A(2
M Q' @+B ?2'Q (@+ ?2' ++ ? ' *!
^ ' "@E' - (J2 - ' $ ' @@' '
B@' -' -C? ' C@' C- ?'+B@' ' -'8 >, .(2' JJ@ CY
A.' A' ? AG' -? J+' -C? ' A'+B@' 3!! a
' 83-C@'%)!!"' ' -'2&& 0+' B@' --D' -'+B@'
B ++ B +C@@2' - -D
!-?@+ ?@'@CC-A@->,G'> @D' -C' ' 0
' E ;O! ' 5&$0 SS 'P' AD' +C@@' - '!G BPAA' K%< '
!@ BG?(' \EL'8) '?$ 0 'C0' 0 S 'D'8;=<P(QN='
!@ BG?' ' 'A ?@2 - ' '+C@@' +B +' ,GU@'+-' 7B +@'+B-CA@' A'
,@>G ' \I \' # ' '"' $ 'SSS '8 CE (K= ,)' +C@@' A'
B B@'+B '., ' +-D@' 'A ?@D' @+GA@'B +' B-, @'@AD>C@'
@>@C' @C' +' -,D'C-+@' \^ ' !, $'8;M;Q(E2' B@'
!@+B ?' --D' ,'A@>@C' E@' @ +@A' UB' -C?@' ' ;K;M
#9 $' ' 0 5*& 0' - ('U AD@' -'+C@@' , U@' ' B +@'
B-CA@' ^' + , '<!& & 0(-'-C' - (E -(
$ 1(^L;' ')*) 'J'5'EV" @C'+-A.>@' - ' !@+B A'
,@ @2 +B +'A@>@C' ..@'E>+' +B' '!->+B@ +' AD@' ^L;'
'C !&- !$H)) ' 'B@'B D @ +@A' -'+B@'
@ +B A'C--+@2 +B +' ? U@+B' ' ? A' +-'E@' ' C>@,,' A'B@ C+2
' +' 'B CD' A' +B@'CGAD@' 4P<=']' '?$,&''+?' 2 A'
5C . + 'E-++-?D' +B'C B' !@+B A'J, AU
%0 (M((+ ' 5& 0SS 'P' AD' B ++ ?' --D2
8. ' $ ' 'LLN' @ C'+B ' "D, '@AD' ' !B ++ ?'
E,@' +--D2 ^' '' '$']' ')K B@
B ++ ? --D' -'+B@' E@CA ,@' S ' " 2((8;)QQ(
' ' ;=;' B@' CU' ' - 'B ++ ?2 -C'
/ 'E0 0 8!@@'I>-+ (
(?' 7 ' *0 & ' 0 - (=;' $' -) 'C) /'
5$'$(0(!B ++ ?' --D' 1 0 ;NO?) - !$'!$') '& $2 '
!B ++ ?' --D
+!BC++,@2' $0 1 0 5-C? ' P' BG+G,,@2'
++G,2' -B +G,2' M' BG++@,,2' ++,@2' M Q' B ++,@2'
, @+8+(,@2' B>++,@2'Q B U,@' ^ JJ'C@JC' A' # 2
T ," !JC@B +'T .) !('%(T .) 3' U'.C D@' -'+B@'
C--+' - ' ' . ' # 'J@C -A ' AD'+B@ C' >,+ @ '
A -A + A+2' C E,@2' @C A.c' U,@2' , .B+G
>c]]R C & -*0 C$ 0 === 0 ! B@G2 -C' U@G2' 'B-C 2 -C'
+G)+G,'8 ' BG++G,2 C0' +GC+G,,(' !)G+G" @2' +G +G,2 -C'B W+G'
8 ' B +G,2 -A' + EG,(2* , * (;PLN J 'L=L 0 !BG++@,,'
A +' -A + A+2 $ $1! 0 c M' ($ (&!! ' 1&) - [) '
7@'J @A-+' B +'+B@'J@-J,@' G@'-C'+BGAU@2 B@GC' BG++,@'
B +@' ? U@+B' A-A@' E>+' - CD@' BC AU@' \^G' T M8 "
- ' > ' & -*!5(' ' <Q ,' B B'D- .A G' ' B>++,@'
>@CGA.'A +>C@2' \' '?GAD@' >E @ +' +-' .C@ +' ?>+ E ,+G'
AD' A -A + A G' 4PKL' ' $! ''&'') 0 'MMO'
O>+' ->C' + ' C@' -' B@++,@' +B +' @' E@' +,' B@ CU@A A.' +@C'
+B ' AD' +B +' ;PK< V 'C$) ' / *2' ' G@C'
?> +' B >@' A-' B@+,@' ?@?-CG' ;KNL' " ' #
& - - 208;KQK(M;' B@C@'E@' -?@'+B +' B >@' ADC A.'
++@' AD' B ++,@'B@ D 2+B +'A@>@C'C@ ++,,'+B@G'B >@A ?@'
' ?@ A@ ' (M('$'8 ' &'&) ' ,$ 0 - '$DC' %'P'
7B-'UA- @' A-+' B@A'->.B+' @,,' 2-C ' ? 2 # 'B ,,- @'
B U,@' OC A@2 ' +-U@A' %M(_ : ! ' 0 A' '%$M
B@'D>,,'EC A2 +B@' B U,@' ?@?-CG' E' (!M '
& '0 ' 2 -B @'?G' B ++,@ + >AA@ -- . +B@C A.'
,C@ DG ' %MbR ' ' : 1 0 QN / D'G->C' ! >,,@C2 -C'
B ++,@' !U>,,' @ @C' CC @' +' +B +' $- U' - '%CG + ,,' G->'
E- +' -
E ' # '+B A. ' ' !B UG2'>A + E,@
M (('C! ' "'S ?'S ' 'b_% B@' + ,U@' ' @CG'
B ++,@' A' ?- A.2' AD' +B@C@ -C@' ,G@+B' C-?'+B@2'@D.-'- '+B@'
G+B' $'%MN<' 7'J " '$!&-&@'-' ,$' 0)%MN_'b'G '
7 +@C 2 ' B>++,@' AD'C>AA A.' >E + A @
'%-?E ' B ++,@ EC ?@D2' B@ D@D2' ++@D
$ B (
SMKS 7 ' / ' C. $ &!0 < '0 8;M<L(OQQ' ' -C'
= ! ' 1$ S.K-' (' !+QV ' &' (
&!$ ('? ' ' 1/ ' ' 7 $;PKL'
' $! ''&'') 0((S$%<_ '1 ' ' ' 4 2+-'
1 $$1 ' ' ' 1 ' ! $ %MR_

: '<$!!$' ' ' 'L2 7 '@>@C' ? +C ' -'
J, >.D' +B' ' B@+,@ B@ D@D' @C> A+' c]]' : 'J '
' A'C0' 0 ' M<2' ' ?' @CD' +B +' :-A' - ' !J CE ?' '
BG++G,' G++GD2' +B +' B@' G,' @++' BG ' .-D@' +-' ?-C.0.@'
' ' +C' ?)!! ' C ' ,$ ' A' 'LLN B@C@' +B@C -C@' C@'
@CG' --,@ '-C'+-' @' '?-C@' .@A+,@'+@C?@2' +B@G' C@' B>++,@'
*++@D' ;M;L' 8 $$ C$ 20 V'&5 !0 LM !@@' B- ' B ++,@'
++@D' ' ?2 -C' 'E D' -C.-++@A' +' +,,' A-
"@A @'+!B ++,@A@
I . 7 'OMQ ' !BG++@,A@ @2)$ $! (;P)'0 U '
! 0 !'LO4' B@' A@' !B ++,@A@ @' - ' A' A@#A + A+' B@ D'
;M= ' (" ' !B ++,@A@ @2&' $. " (,
!A ++,DG' - U' @@' B . !' "
!B ?2' +@2' C' 2' 3 !' 3 .'
!B C@@' 8: C'(2' 1(E0 (, -' B @C@@'
%-CC>J+' -C?' - ' 3
SKK' T : 9'8 M '* $- *' 1 &$ 'SSS ' !B@'+>CA@D'-A'
,' +B@' B-CC-C' - '+B@' '0 ++,@' - '&C .>@' '2 +B +' @A@C E,@'
B C@@2 AD' D@D' B AD@@J' A'+B@E,--D' - '+B@' , A' ;KKL'
$!!' ' $0' " '!(' QM' +' 7 ' ' B @C@@] +B +' 2 +B@'
U AD' - '@C@A D@' +B@G' . @' +-' 'A@ ,G ? CC@D' ->J,@
"@A @' !B C@@ ' (' $' 0(+-'.C@@' +' -C' @C@A D@'
+B' ' T B C@@' '
;KQ<' '7'# ' ' ! ' &! ' $" '8;KKL(';PO' '7B +' '
+' G->' ,,' +B ' +B A.' B@C@' A' -,D' ?A' ? CA@' 'G->A.'
.C,2 AD'G->' -?@' ->+' +B' B-CA' AD'] ' T' $ $ '
U@D' +B@' %C@-,@ ' T1@ 2 +B +' ' +' 7 BG' D-A'+' G->' B Y
C@@'B ? ') ;<SN<) ':>,G',L< ;' ' C- D' -'+B@' ?-C@'
C C ' AD' .A-C A+' -C@ ?@C ' + C+@D' ->+' +-'T B C@@'
8?-E AD'D A' +-' ?' DA@ ('?@'DC@ D@D'-,D'? A
!B @' 8:L (2 K' %B @,G' $!0 5-C? ' L'
B -2' = M' BG' @2' P' BG @2' BG @2' = ' B Z'
^3 ' , '8 C@JC' # ' ,!%' U2 @CA (']'#5C '
. '8-A,G' A'. ' 3 'UA@@ J(' #!' , $'8.,- Y
A.' * $+(3 2' 3 /> ' , =59 ([![0 , *%+
@? 2 # " ' 1$'83" ' , 1(?-D ' , 1('
, -'8JC-E' C-?' (! ' . % $0 / ' . ( ) '
.!%$0 B@' @A @' A' +J-D' -A+ A@A+ ,' @>+' C@'
I>-+2 D U2 UA@@ J2 J>,UG2' AD- J A@2' , @'
-' EC@ D2' @+ ' % ' +B@' +C' E' 3 " ' , 1 '
8@ C,G' ?-D ' , ' +' +-C-,,2'+-' J A' -A' A' S '
E>+' +B ' 'JC-E' ' +B@' E' B@' @ U' .C D@'
- '+B@'C--+' 'C@JC@ @A+@D' EG' 3 ' 1@
A+@ ' ->+ D@' @>+' C@'>A @C+>/' B@' C' CS-+ C-*
8"@ G "#' '-+@A' +@D2' ' -.A +@2 E>+' +B@' ,,@.@D' @A Z'
T'J-++@C ' B@@,' ' ' ? + U@' +B@' .,- ' JJ@ C' +-' ?@ A
'+B@'JC-*@ + A.'J C+ - '+B@'E@ ? ' ->C A.'+-' .C-- + ,@ ' a
' ' ; @'8-'EC@ D' C C@,G' - '-+B@C'@D E,@(
$' ' , 0 0=;M 'B@D'?@' J C@A'@A'J->C@ BC D@A'
83!'G B>-a2 @AD@'B ? ,'D@CA@, B@'>+' -'B C@' # A\'
'c<<R * ,(<" ' $ 2".'<QN OC A.'?@ D' E@' ' B>@'
EC) ' ;;==N '* $1 '&'%' $!'POP J@' JC@ +@'E D'BG?' >+'
BG '-'EC@ D' AD' G,,' 'UG +@' B C +B' AD' ,-UU' +'
8, ' ;;'OL' B@' C--+@'^-' C, _ C@' >+' A'B+,@'
B>@'-C' U@ 2 X) X' F ' 9 '-$ ' !0 A' '*2 AD'
+B' +B@' ?@' ^ + EE@C a'+B@' , B@'?@'->+2 .--D' -D' B +'
JC@ + @' B>@!' -+' B>@'-'E C@' ?@ A@' O>+' .-EE@'
-',@ B@' '%MR' 'FB 99 'a'\'O 9 '%' ;O'3 B @,Y
? ' '+@ C?@'G->'UA- ' ' , U@' .C@ +' B>-B-,D', @2' G->'
? G' >+' ->+' ' .--D' ? AG' B>@2 AD' G@+' @@D@' J-A' +'
@,,'+--' c_R<G *+ JF A'$ G'C !& 0 0 8;Q;K(LLM '
!B @' -'OC@ D2 >+' - ' +B@' - ' SKOP ?!$,.5&0 $ 0
4G ,,' ;PP ' ?@C@' @C'- ' +,@ 'B ?2 E@+ @@A'+B@' A@ +'
E G@ - 'EC@ D' SKWS K' : ! M' &' ($1&) ' 'OOQ
B U'T B @''-'EC@ D2
'/ ' B@'UA@@ J2 J +@,, ' 1(
;L<Q '3' +C' <) !E - $)>' 0 0 ;O L' B@' B @'
-'+B@'UA@@2' +'C$!!$(
i' ' 'J A@' - ., ' ^ +@C' , 0c+' 1 0
;POQ') 8'?)' 2". >' "!!(' $ '0'+2' B@'.C@ +'
C->AD@' BG @'-' '@AG'.,
!' ' '+B A' , +' -CU' -C' +-JJ A.' ' D@ ?->+E@D'
E-++,@' , -' '+B A' E>A.' -C' ' U
;KM< 7 ' :5 ! ' '?) &' & ' ''O=Q^ B@' Ua' '
+B@A' ,- @D' +B' ' --D@A' B @ @'-C'E>A.' ;KQM' ',",!(
? 0 'OQP 0 ,@ ' A+@AD@D' +-'E@' +-C@D' -?@' ?-A+B'
B->,D'B @' 'J-C->' @A+'J@.'J, @D' A' +B@' B @'
$ 1(5 &5 $!"' &'(/ @ ;N M D + 2 !B @' >CA@C'
A+@D'EG' '@ D A.' -AD-A'EC@ @CG
i'. ' 'J @ @'8-' --D(' J, +' 2 'E ,,@+' ^ '%-AY
> @D' +B') '-C' 3 V' 10
SKMS> , -0? , C(." -(3 '=N;' B@' B A. D @C A.'
C-?' +B-@' B @' -C' +B A' AD' ,@S E,@' J @ @'- ' --D' +B +'
C@'-E+ A'D'EG'O-C@C ' ;QKM' # M$ H5M' L 3'P;K' B@A'
, + A.' 'B>.@' B @' ^ C' CS)J J W(+B +' , G'E@ D@' B@'
C@2'B@' ?-+@'B@C-E C2' AD'D@ D'E@' @,,
!B @' 8:,(2 10 ' 1(@S 2 $!0 , -'< B '
!@@' , - 3 ' 1(' ^'f= 75,@?2' . %'8 -C'
-+B@C' -.A +@' @@ 3' ' I I /(2 ' @>+' C--+'
> .%3 +-' J,+2 B@A @' 3 ' 1(c + ' J C+ ,@'
-'B>' U' ' J, A+@C' 'J @ @' - '+BC@ D' -C' ,>' -A'
+B@' >C @' - ' ,-+B2'@+ ' * 0 +B@'C@ > @' - 'B@?J'
-C' , S
;=KL' $ 0 ' !0 LLQ O!@EG @'4 0 BG @ (- ',GA@2)*$(
'$* $(M (('C! ' "' * ' ' $'] 7 B + B ,,'E@@'
D-A@' +B' ,,'+B@'B CD'C@ > @' ^-'+B@' 5, Sa2' +B@' ,-A.'E>A'
-'+B@' + ,UG'+B@' B-C+' B>D' -C' B @ ' ;MQO' '
&- ') T' 1!' & !' ,S';O;'7B@C@'+B@'!B @ 'H,& , H
,' D- A2 +B@A' +B@G' C@'B@ U,@D' +B' A' C-A' "@ U,@'
;M< 'O M ' '$(0 $ ';;'8;QOL(KS' B@'!B '
-C FE ' -'+B@' 6)!' - ' C@@' AD' !BC>E ' ;KPP 1"'
<!& 0((E> U' - C, A' AD' > B',U@J C+ ,@
+ ' !U @2 (' 1+ 3 ' 10! % ' # '
.%$0+' $' 0 -' >+' 8EC@ D(' A+-' , @
^G@) ' $' *(;PO L< -' B >@2 ,$ ((
< B. ' $ '0 L=L' "@' B >@'->+'B 'OC@ D'EG' @ .B+'
-C ?@ >C@
+'!B @2 0F 1(30 ^ ' 3') OL' $ 0 -
'EC@ U ' 8B@?J2 , S(
;=KL' $6)' '' !0 LLQ O' -' BG @2 5)*$ 0

OB @2' C A+' - ' 3 ' 1 0
' ' ' 3 ' +C2 <$1!.&) '?.0 C " ,. 'PK O "@@C-'
+B->' B ,+' , G@' +C@' ?@ ,@' @ +@' ' D D@D' B @' - '
5@AA@,,@' OML< ' # ' O ' !* 0 ?.(, &N DD A. 2
+BC@@' B @ ' #' ! C-A' >ADC@D
!B @C'8) (2 1c' 5-C? ' L' C@2 C@2
=' B @CD2' = M' BG @C2 P' @EG @C8@2' -E@ GC@2'
BG GC2' P N' B@ @C2' M' BG @C@2') @ @C2' M'
3 @J2' ^ C,G' 3 ' , (-.A2' ' # " '
, &' U' ? 2' J, A+@C' 83" ' , = (
,. = ' J, A+@C2 ?-D 2' , % ' , +@2 B-C+' -C
, % \ 'H' (' @>+'C--+' . %T'+-' J,+2 B@A @
3 ' 1((3 ' 1(
' C .?@A+2 B J2' J, A+@C' - ' $ '@S ' A'
JBC @ ' @@'E
,'\;@^ ! ' ;GG I' ! @,D') @ A' @,D@A' >C@A',V@C >AD@A'
S=--' 5 $ ' ' ' <$20 LOL=' ' A' J@A' +B +' ? A'
? .B+' @,D@' 3 .B+' .@+' ' B@ @C' ->+' - '+B +' B@,D@' cbNb
' & 0 ' SS ,' OL=' !GC' $ G++-,D@' D>' $-G'
EC U@'B ' J@C@' A' ' J@ @ 2 AD' G)' B@>@C' @)' ' .C@+@'
B)).B+' A+-' G ' GC@' %b_M (8 ' - ' > ' & - *! 5(.'
2 PL' ' J, A+' -C' BG>@C'- ' 'EC-U@A' J@ C@2 B05'C '
0') $')' ;S<' B@G' > @' A-' % AD,@ 2 E>+' ,-A.' !B @C'-'
7 --D' 6 (R ' $ "'& %' (' 2 'B@ J' - ' +B@C@D'
E->.B' 'J ,@D2 # '+>A J@C' AD'C- A' ,D' 3 A+@D' +B'
B @C' C-?'+B@' - U' ^'8 ! '?&! ''%R' B-CA'-'
+B@' C- A' AD' B @C' - '+B@' C-
% 0' 4M=< '8) ' < (5 ' *($ D' ! @ +' M' % R
B@' %B>C B' .+B@C A.' >J '+B@' B @C' - '+B@'EC-U@A' B@ C+
? G'C@>A +@'+B@?
/' &BC @ ' ' 'EC-U@A2 A' ? ,,' C .Y
?@A+'8 -' &'1 $.(1) (@+ ' ' -C ' &' +'
=$!!+' &' 0(A+-' ? ,,' C .?@A+ ' &' &'
(+-'E@' B ++@C@D'+-'J @ @
' ' !'I^EG !,J' @CA@' +-P@A' J'J 'B +' ,'+- -AD@'
+-' C@A' %<$$'<) "'% $ 2 0 _N(<7 :VJ@ J@C@'B@'B ?' ?-+'
?@C, B@' J +' ,+-' B 6@C@' +' +- @G@' IG@*^' : !'
) '!!0 ' KO B@' CG B@'UAG)B+' ?-+@' O ,G-' -A' +B@'
)@,D' +B +' ,,@ @A+%' E@>@C' - 'E+!' J@C@' ;P)'
)!! ' & '7U '8 C- C+(' , ;N< B@'E->,+'C@E->AD@D'
AD'EC U@' A+-' '+B-> AD' B >@C ' ; ' + '"! $'e' ;N
'G->' +C U@' -C' J @C @' ' ! -,D' O-DG2 +B +' ' EC ++,@2 +'
EC@ U@+B' A-+' -A@,G2 B@C' +B@' ?A ,@' -C @ ' E>+'
EC@ U@+B' ,' E->+' A+-' .A@C ' OQM< ' 0 &' $ &''
;K # +2 U@' C- U' +' +-J' D@@J ,- @A' J@CJ@AD >, C,G2'EG'
+B@' ? A 2 B A. A.',-- @') D' A-DD +)' @> C CD 2 @-) > +'
!+ C+A.' C-?' +B@@C'E @' A' B @C ' L ' K" ' 0
?]< B@' -B@C' B J' @AD@ ->C A.'+-' @+ B ' ? A+-J ,2
'E,@ '+-' !B @C ' E ' / ' M ' - '0 'SS S'<R<
B@'+B>AD@C C B@D' AD'+-C@' + @,' A+-' B @C' - @CB@ D'
% T' ;^'#) ' 0 $ -*0N AD'B D' A-+' &C- Y
D@A @'B@,D'E U' +B@'B AD2 +B@' E,- 'B D' A2 +B@' - @CAY
?@A+'B D'EC-U@A' A+-' B @C' +B@@A' bN " ' / ' !0
$ ' 8;KPL(> '1@+ +B ' >,+G' >A -C?,G'G @,D] .-@'
A+-' U @C' A'+B@'@A ->A+@Cf
' * ,(' ' , U@' -C' J, A+@C' - ' +-A@'8@ .'-A@'
UA- U@D' - ' A' +-A@ DC@ A.(' - ' ,0 AD' $!(
OKNN &)' "' $ -' S, 'P;Q'&>+ A'+B@' ,@ +
-?@' B >@+' - 'B CD' +-A@' OQNK':%' ' &-*!$' &!! '
)%]b.'NN B@' !B @C' JC' !J, A+ - '+B@' 7 B A'-CB CD'!+-A@'
OKM;' $ ' '\' + , ' $-3?)! ' ' N]<' 'D+ B@C'
B- @,' ' , - ' > @ >,' +-' B ?' A' J>++ A.' +B@' B @C' - '+B@'
+-A@' +-.@+B@C' A+-' B@ J
O ' ' ,--@' EC@' JC' , ?@A+' A' >ADC@ @D'
B AJ' 1(% ' 3 ' 10
O==N ",!%' ? 1! ('% 0 'M'^5-C -+B@' B@' ? D@' +B@'
?@'A+-' + @' A'+-' +B@' -,@C - 'B C' B- 2 AD'B 6D@'B@+B' +B'
+-E ,a'-C' BG>@C@' @ +' '+B@C@a' SMSP' 9 "'
' 0 &) 20 '<Q'1->' B ,'E@ +@'->+' ,,' +B@ ,-- @'E>A'
AD' B >@C '+B +' B A.' A'+B@' "@?J@'-C' 5, S@' OQ<= Q
' %' $-$' *' 'PM (+B@' ->,' J C+ ,@' + U@A'
C-?'+B@'B@?J' B@A'E + B@,, A.
AG'U AD' - ' +-A@' - ' ' , +G' -C' B +->'
B C +@C' ^&@CB'>' ' , % ' Q- V'
;QO<'9) 8) 0 & ! 0 'SK !B @C2
- 'D CU' B %-,->C2 A@ C0, U' ;QK<':9 . '
V ' 0 'S-'!-?@' C@+@'-' + @ B +'-C' B @C' C@'-'
+B@' ?@' -,->C' AD' I> ,)' '+B@' , +@ ' 4KO< <!& >'
0 1" '=M !B ,@'-C' !B @C' 'E, U', ? A +@D' , G2
?> B' AD>C +@D' SKK')' ' '<!& 0((
4' !B ,@' 'B CD' C. ,, @->'E@D' O' !@@' $ 0
$ 10 XK "# ' " @' ' ('<!, ,0 J2-C' B @C'
J C' ^ @C*! ? @@C J +B
!B @C' 3 AS(2 5-C? ' =' B @C@2
,SG @C@2' B@ @C2' = P' -B @C2' K@, Z @C@V P'
- C@ GC2' @E@ C@2' -EG @C8@2' , @ C@2' P M'
CG @C2'P K' B@ @C2'M' B @C2'Q' B C2' B -C2
Q <' B@@ @C2'M' B @C' ^3 ' ' @>+'
C--+' . 1/' - ' 3 ' , 0')) a'
8 90 j' 3 '/I$ 0 1 0
OL ' ?) = +';KOM - B' -,D@')@>@E +'^ @' C-AD@,a'
U-'5-C' ' B>@C- ' ' - ' ,' E ' # ' & '%'0 0 ;LO
T' - 'D ?@' I>-D' B@2 T' " >@' 'A +'- ' J-A' E>+' +B@'
,G>@C@' AD'- 'G->C@' - +@'EC@@D' A + E>+' ' BG>@C@' [=LN
2&' & . "01. 0=N 7 B A' +' ' -,D2', CD@' +2 \' B@C@'-A'
B@ C@' OP$P (1& 0 8!>C+@@ a' 'ON< A' B ,J@AG'
B +@' - @' AD' ' B @C' - ' B@ @' OKPM 7 ' / >' '+C'
&- ') T' < $ ' $ 0 6 '!(OM< $ -,, ' - 'EC@ D' + U@A' ->+'
-'+B@'E U@+2 -C' B @C' >+' ->+' - '+B@' ,- 2 $'OQO;' J
' &1 > ' , 'PN B@C@ A'@U@' ? G'O-+B'E@'@D' 7 +B'
!B @C' - 'B@' 7 B@ +@A' OC@ D' OQPL)) ' $' 0 4
KQ'^ +a',@ +' , C.@' J-+ 2 -A'+B +' @' B@A @'+B@' B @C' @C@'
+ U@A'-
' B '% (AD' A' . ' -A+@S+
' ' '0'A) (C &%0 &', '0=E2 ,)' 3-A U' AD'
EE-+'- '?G'UA- ,@D.@2 >+', C.@' B @C'- '+B@' ,- @ -C
B B'+B@G'A@>@C' @ +G'+-'? U@'+B@? @,>@' ' +C-A.' A'+B@'
J@-J,@' ' ->C' AD'-J A -A' ; ^^' , ' 'bb
" '^G '+B@'&-J@' a' A+-,@C E,@'@S+-C+ -A ' B B2'B- '.C@ +'
-@ @C2 @C@'E>+' , C.@' B @C' - '+B +' ,- 2 7B B'@B D'
. @A' A+-'+B@' A. 'B AD
' 'J>,,MGE f K 3 ' 1L' #(

[=0P $ '8% ?D@A(';QM'5-C'EC GA' BG' @C' -C'+E@'
BGJ@2SS?*D'H ` $ $! ,,0' -(9 K<MV<0'!A B@'

! B @C' 8* (Z 90' ^' 3 ' 8AV

E ' $' %(AD' (

! B @C' %*, (Z' K' 5-C? ' $0' L' B C@Z' =

3 " ' , ' ' 8 ' , % ' +

! B @C?' 8 -C. (Z' 1!0' 1C' ^' 3 ' %D'

! 3 @A>@')@ : "./ **!0' J:' K$) '3$?

H ,'N&L G ' 3 ' 3

3 !.'D / ! /

! B @C@D' 8: -CD(Z **!($(3 ' D' N'

")Q!V' OC-U@AZ B ++@C@D

A @ -C'? 0$' - $(,-'UA- A' ' ' 3'

$ '8OC++@A' AD' " -,, AD(

0B @C@ ' ' 8: C (' ^' 3 ' ' i' " QV'

#A@' B-'EC@ U'8 -?@+BA.()'A+-' ? ,,'J@ @

@ @C',D@.C@@'-A'E-+B' D@' - 'B'>>3'J- + -A' OK)

M , ' $!$ ',>' $ %R< 3? ' 6?' 2 $
;KQN P , !' * ,'&%' &' '0 b_G ' 1 2 ' '
' 3 ' $
E ' # ' ->AD' ' C@?>,->
;M ' +C' $ $' A' 5, @,') (* (8MW)(OLM AD'
D- A.'>J' B ', G@ 2' U@' '>,' F>C@2' ' B @C A.' DA -C+'
J, G@ ' ;K<;' * , $ & 'OL' 3 C 2' B +' A+ 'A-+B A.'E, +' +B@'
B @C A.'?> '+-'? U@' '.C AD' @A +-A'-A' AG'E- CD
"@A @' !, @C,A.C,G' ">
;KOP : ' (" ' & ' $',)$ "'S, 2'!-?@',U@'+B@'
,@ ' @J+' B @C A.,G' ,-A.' ;KPM .$-1 %- ' ' L=<
' B' B@ -A+A>@D' B @C A.,G2'!B- ' @)' -,D' +' ' ' SK)'
$' ' , - $''SS'OMM 6 '@A+@C'+ ? D,G2'
AD' . X@' B @C A.,G' +'+B@'B@ D'- ' @ C@+'J-, @
!B @CG' 8:' C(2' ^' 3 ' i' _
J+'+-' J, +' A+-' , U@ 2' EC ++,@2' , UG
"' $! ' ' ' ,+'@SB E + A.' ', ? A ,'+@S+>C@
;MKL' J , ' ! $' '0 ; KQ % > @' ' ? ,' 0 , A @'+-'
E@' -C.@D'->+'-'+B@'E, D@' ' A'-,D'! -CD2'+B +' +' ? G'B @'
A-+B A.' C> ' -C' B @CG' ^-C.' @C' , %% %H00&5' +'
;Q=K' + 9 M ' &%' ' ' $!'QO' A'? U A.' 'U AD'
- ' ,' ,@D' B @CG' ,+' +B@G' > @' G@+' ?-C@' .@A+,@' C@ '
;Q<=' ! "3 $' " 0 ' (' ;=)' +' +@S+>C@' ' C +B@C'
B @CG' -C' EC->' ;Q<Q' / ' A' ?' ,' " , ? 0 8@D'<.'
4 'OKN O' !B @CG' A.>, C' +-A@' '-'+B@' X@'- ' A'@..'
;KPK ' & "'?&)! 'S' ;<K' B 'C- U' ' -C+B,@ '
' ->C @' - ', ?@2' A-C' C-?' +' CC@.>, C', ? A + -A' AD'
B @CG' +C> +>C@'B ' +'? > B' ,>@' A' AG'-+B@C' G
!B @CG' 8 <C(2' O' I ' 3 ' N'" #
' %B C +@C X@D'EG' ' B U A.2' I> @C A.' ? -+ -A2'
-C' JJ@ C A @' - ' ? -+ -A
;Q=Q : ' - " ' & ' ' & & $')' PLO " ' C ?@'
+B' B @CG' B-CC-C' B--U' ;K;Q : 7 ' $ 0 ' P<'
B@' B @CG' JJ@ C A @'B '@A.C' A.' -A @G2'+-+ ,,G'? Y
C@JC@ @A+' +B@' @ +>C@' - ' +B ' @S+C -CD A CG' -(' VKPO'
: ' M 'E',!' &->' 0 S 2' B@' B @CG' A@ 2' AD'
+B@'+ ,,2' D CU' GJC@ 2' B>A.' +B' C@ +B ' - 'D CU2' >A@C@ ,'
?- 2' ., - ' A' +B@'.-,D@A' C G
;' A , A@D' +-' B @C
EG' : ! ' & 3 ' 'S6 2' '?' ,,' @+' AD' B @CG'
% &' !!1) >' " (('KOM !B@'+>CA ' ', ++,@' B @CG'
AD' J ,@2' +'+ ?@'@ @A' BG
' % > A.' ' B @C A.' @@, A.2' B ,,G2
;KL< (' %& ' ' & 0 ;P' 7 ' +B@C@' A-'E@++@C'
D G' &- S-A2+B A' - @?E@C' A+B - B @CG' ;<NP' ' O'
' 2(1" ('== +' ' ' B @CG'J, @' AD'
. @'B@C'B@ D B@
! ,, @G' 8:' (2' ' ' ,-' B G') '
D 'D ' AD' 3 ' ^' 3 ' L' i' C8', :'
8!@@' I>-+(
SK)' 7 '!' 0 ' = ' * ' ' ' '8@D'O(;K<' A'+B@' --,'
-C+ A.' ' .--D' D@ ,' A' E@'D-A@2E>+' B@A' --,' ' >,,' -'
E>CC 2' @@D 2' @+ 2' AD' ' B +' ' .@A@C ,,G' ,,@D' T B @G'2
-C+ A.' AD' B U A.' A'D-' "+,@
!B,-U@2' C A+-' 9 'O
(M ' I 'Q ' ' $''C& "'NJB-G'B-,D'+B@'" +@E@C'
+,,' 7 ,+B'E ' B,-U@' - ' >E+,@' U ,,
!B-' ' @@' ' ' ' ' ' 'N$
!E- DG' E-D@' 8) D(2' %' 5-C? ' Q)<
B.D2' 8K' B-+DD(2' Q ' , - D2' K ' @B-DD'V , -' Q'
@B DD2' Q K' B D@' ^&C-E' ' D@C + @' - ' # '
' +-'D D@2' @J C +@' ' @@')' ' % ')]'
B@' .@A> A@A@ ' - ' +B@' -C? '
D->E+ >, a' -- @' C .?@A+' ' - ' + A2',@ D2'-C' -JJ@C'
-C@' ? S@D' +B' @ C+B2',G A.' -A' -C' A@ C'+B@' >C @'
AD' AD + A.'+B@'JC-S ? +G' - ' ' ,-D@' , -' 8 +B'
J (' -A@' - '+B@ @' C .?@A+
S) ' # M' & ' 2$!!' ;'K'E2' B@G'D ->@C'+B@ @' -CU@ 2'
EG' @C+ A@' GAA@ +-A@ 2',G A.'-A' +B@' @' - '+B@'.C- AD2'
B B' +B@G' +@C?@' &$ (G@ J ' & '$' (L'
B@G'^3@+ , a' C@'D - @C@D' +-'> EG' 3-,@ ' 7B B' % +'
>J' +B@ C' B D@' -C' ., ++@C A.' @ C+B' 1 (Q<' "F>-+@ '8 C-?'
"-,, AD ' $- ' +'+B@'J .@' - '% C@ '. @A' E- @'8 ?-+'
;MNO(2' E>+' +B' $ ' >E + +>+@D' -C' &$ H0 GI' / -)!'
&!' & %C *$ ' '&%' '' ;ON B@' AA@C'AAD'+B@'
3 A@'EG'+B@'!B- D'8-C' '+B@G' ,,' +'!!> D(B B' ,--- @'
+-A@' -' A'? S@D' +B'+B@'I C+B' S)S' <V %') - '
' e' ;' 2' LNM ' !B-D' * ' - $' ' * (B@' -C@C>AA@C' -'
+B@' - D'-C' 3 -+B@C'-'+B@' A #C@' %__ ' 7 'J ' ' ' (
&-)1(;OM %-JJ@C' AD' @ D' !B-D@ ' C@' @CG' @,D-?' ?@+'
+B' %_ &:' O " ' 0'V ' 0 $ =NM B@' B- D'- '
,@ D' ' , G'@ +B@C' - +@D' -C'+ CA B@D' % R& I' ' ('
$ 0 OLN S ? A A.'+B@' B-D 2' -C' ,-- @' +-A@ 2' A' @ C B'
- ' ? A@C, ' % bb' :' $' ' & ' 2$!' ONN E @'
+C@ ? + A' ?@+' +B22' A' @J C +@' +-A@' ,,@D' & (
E ' ' ' '
>;,;> ' 0 C&!" $* (("0 '$' -' ,D' %B A ' 1->'
?>' <' C +'.C AD' -?@') B D@ @ C+B'-A' '? CE,@2' +B' 6A @@D'
- ,2 ' +B' B B'+C @' ->+' G->C' .>C@ ' ;QK<':' 9 ..
' 0 V ' 0 ' LMO B@C@' ' @CG' ? +@C)' D @C@A @'
E@+ @@A' ,- +' AD' B- D'-C@2' ,+B->% '+B@)' C@'E-+B' ->AD'
>J-A'+B@' >C @' -'+B@'C- U' !B- D'-C@' ' ' G' ->AD'
A' ,-- @' ? @' - ' ,,' X@ 2' @ +B@C' A'-C'>AD@C'+B@'>JJ@C' -,'
$' G2 ' O M ' & !' '8;Q0<(' 'ONO ' !B- D +-B@2'
->AD' A@ C'+B@' !>C @' - '+B@'c' $ (00 & ' 2 $!!0
"@A @' K - D@C' 8 @@' I>-+' ;KKO(' -b , C2'
+B@' JC- @ ' - ' @ C B A.' -C' B- D -C@' EG'D . . A.'
? ,'J +' 8B@A @'
%__ ' 7 'J ! ' 0 & ')10 ;O=' A-+B@C' AD' @CG' A @A+'
?@+B-D'-'D - @C A.' A' -D@ 2' 'EG' B +' @' ,'!BJD@'
A.2' +B +' 2' +C A.'+B@?'B-?@'EG',-- @' !+-A@ 2' C ?@A+ 2'
-C' !B-D@' (' (& ' 2@'< & 0' &$ ' 3 $* "'B@ J'
C-?'J +' >AU' A' @ C B'- ' @A'- '?@+,')(' # 7 ' '
$' 0 '=' $!(' & ' 2 $!' OML' &$ "'? A@C'@A. @'G2'
B- D A.' 1 0"' &$ ' ' * (J+' ' A'+B@' @ C B' -C'
',-D@' % &< & .) -1!$0'<!& (' 2 ' -'.-' ' B- D A.'
'+-' .-'JC- J@ + A.' -C' B- D -C@
! ,, #)' ' 5-C? ' ' ' = P' B@,D@' '
8%B @ ,G' !C(= M' B ,D2' P' B >,D2' M' -B ,D 2'
B >,D@2' 8<' ' B ,,2' B D(' M' B\ ,,G '
' .' B-,D@2' M G' B-,D2' B->,D8@2' G' E- ,D2

B- ,D2' 8<' $!(B-D2' B- D(' (9' B-,2' B-M,8,2'
Q' B-,@2' Q' B- ,@2' 8 -B-D,-(2' Q K' B- ,@2' Q '
B- ,' ^ E ->+@' > @' - ' ' a' ' J, @'
B@C@'+B@' +@C' ' - ' , ++,@' D@J+B' ' B ,,- ' '
AD E AU' -C' E C
' 4L ' ['ONP=' B@'? C A@C'>AA@+B' +' +BB@,D@2
B +' BGJJ@',@ +' A'+B@' B 3 D@'))
K' C LQP' ,0 0 $ ' ' HH!= $ $+' ;SL' F>B C@' :V@
E-DG', G2' +-'CG A@' , ' + A@'-A@' ' B ,D' ' QI '
$!!$, '4' =' O-+' S'-C' S'B@'U@ +' ' . +' E@ -C2 A. ' +B@'
B >,D2 ? D' +'E +B'D@J' AD' B-C' ;PO</ 'C$ " - '
&C-('8;K;4(P' B@' J .@' ^ a' -' +C G+@' AD' D >A.@C->'
+B +' +B@G' ?> +'A@D' - ?@' +B-C- ' ?' AG' +C G+ ' AD' E ,'
,G ' ;) L' 0 ?*0 0 ' & ' ;M;' A' $ (C& - ' %& -(
S, 2 " ' @E J' -?@' A@ @C' -A' +B@' B ,D@' O>+' + U' + ,'-A'
+B@' A U@C B ,D@' ,';) P' A' $!" ' $ $!' ?$!!$ '8&@C G'
!- (;M' 7 B@A' B >,-@' AD' AD @' E AU@' J@ C ' 7 B +'
J ,,-+' A'D C@' +'B ' ->C @'
G' 4=;=#9' C&!(C& - 'S ' ;=M #A' @@2' -A',-AD2' -A' B-,D@2'
AD' D@J%');PPW J ' ' ' ; ' 'E2' AD' +BC@@' +B@'
A+@A+@' AD@' , - '#>+'- '+B@' D@@J@' A+-'+B@' E-,D@' AD'
I> U AD' ? D@' +-' AU@' ;L<=' +) ' 5 ,((C!$'3'
,) T' $*' 8;P<Q(OQQ / @ J+B@ 2' AD 2' B- ,D ' AD'C- U@ '
4MLL' 'R " ' &"(O= B ' 'A-+B A.'E>+' B- ,D '+-'+B@'
, AD' ;M)' , " ' $ ' C ' $ 0 ' ' ;LQ' 9A- ,@D.@'
- ' / @J+B ' AD' !B->,D
\0 ;PPP' ,$ (#' ' &"0 <) $'$'LP;' B@' B-,@'
- ' +B@' CG>@C' >,@D' $ -' C AD@' 4PKO V ' C '
$ $' ' &' 0 (' 0 O=E2' !B@' +C U@'>J-A' ' B-@,'
(?' +) - - $ ' $. >' 0 (&"0=Q' B@' B-+'
JJ@ C A.'D >A.@C->' E->,@' - 'C- U' AD' AD' ;ML=' '
' ?.' AD'D A.@C->' E->,@' - 'C- U' AD' AD' ;ML=' '
' (' > $ 0 0;' 7 @' @C@' +' J-A' +B@' B- ,@' -C'
, + - '3-X ?E I>@' ;M<Q' F ! 'OKP' 7 @D.'D'
A' +B@' $- UG' !B-,@ 2' AD' + U A.' +' 5G L' +
<) $'$'LPQ' #A'+B@'@ +' D@' ' ' ADG' B (a' ;KPL' ' ('
F ' ! 0 ? '8@D'L(;M<' ?-A.' +B@' B- ,' AD'
@DD @ +B B B'+B@'!>+,@*' E->AD ' N" $ - (
0 8;KQ<(' ' ONN B@C@' ' ' D A.@C->' B# ,' A' +B@'
B CE->C
E ' B% 3
L%+/ ' $, 0 ' 'M J-A' +B 'O AU@' AD'! B--,@'
- ' + ?@' L% J' j' ' 0 !!!"' ? ' ' =LQ' 7 -, @G2' +B +' -A @'
' ->AD@D' ,,' +B@', / @J+)' AD' !B- ,@' &' !' "-A-C' S!S.'
+! ' $'0$,%& ') ,(± >'' & ' $'$& " >' ' @A' +B@'
@ ' B- @' J C+' ,- +' E- @' +B@' C@ U' - ' B JJ A@ ' C@'
DC @A' -'@C'+B@' B- ,' - '. > ,+' #C - @ A' - '@S @
- ' $ 10"' ' .&$!31$' . "3 &) ' "'3 &,. ' B- ,
? CU2' 'E>-G'#C' -+B@C'? CU' @+'+-' AD +@' ' B- ,
' + '7 ' / ' &"(&)' ' & ! 'P;' B@C@' C@ - ? @'
!B- , 0 AU' E@+ @@A' AD'B@?2' E>+' A-' !B- , %)C->AD' E@ -C@'
@' - ?@'+-' +B ' % - @' ;KKL' ' : 9' 8 M ' ' ' Q
* * '55(;40 " @ +B@A' E@. A' +-' -CU' B@C' C G' A+-' +B@'
A@S+' !G +@?' - ' B- ,' ? CU
! - , 5-C? ' M G' B- ,@2' M)K
B-,@2' G' B--,@2' B- ,2' < B--,2' Q ' B- ,2' ^ +@'
;M+B' ' &! :' +B@'@ C, @C' B +-CG' '>A @C+ A' B@'
-CD' '@+G ?-,-. ,,G' D@A+ ,' +B' # ' &!)' +C'
@? 2'+C--J2D -A' - ' A' C?G' f' #! C b ?A,++AD@'
8 3 ' , &! +(3 / A' &!' ?>,+>D@' ,- U2' B- ,'
- ' B@'8#>' , &&!(7 5C ' .&$!(5C ' . !(
B- ,' - ' B@( ]# @>+''+GJ@'T .)!&('T .)!3' U'
.C D@' - 'T . !3'+-'D D@'8 B@A @' ' 10'
100 . ' 10 AD' 0(@+ (
+' ' J- E,@'+B +'+B@'# ' -CD' ? G'B @'B D'+B@' @A3'
- ' B- ' ,- ' B@ 2' AD'A'+B ' @A @' ? G'B @' -A+A>@D' A'
A >+ ' > @' @ @C A@2 +B->.B' >AC@ -CD@D' A' 3 ' AD'
@ C,G' ? -D 9' B@' ? J,@C' BGJ-+B@ ' ' +B +' +B@' SD+B'
&!' "' $' C@ D-J+ -A' -'+B@' / >' -C?'8 E- @(B B'
A'+B@' ;= ;P+B' ' B D' E@@A' U@A' A+-' A., B' ' ,$!'8 @@'
B@' A+ , 8:(? G'E@' A' A., B' ->AD
>E + +>+ -A' -C' +B@' / >'8 S(2' -C' +' ? G' - ?@' C-A+' -A@' -'
+B@' 5,@? B'D ,@ ' A' B B' , ' 'JC-A->A @D'8((a
' , C.@' A>?E@C' - ' B2' J-CJ- @ 2' @ , 2'
B ,@ 2'@+ ' ? ? A.'+-.@+B@C' U' ' 1(' ;(
5BC' ' '$' &$!"' ' '-C'1"' &$!(
!Q-^ @@La' (($'R ' M<' !B-,@
'A B' C U A.' AD'J, G A.' ;KPL)' : ' ' " 'NN 5 B'
+B +'+BC->.B'+B@' @+' !@ J +B ' A' B- ,'D-' ,D@' ;QQ='
J ' &) ' ,&(' " B (LLP' "@CC A.'-@C'+B@?' @, @'
A' B- , ' +KL!' : ! 5 %$ %)!"HHH0 B@' B- ,' '
@ , ' 7->,D -,,- ' +B@' B J' 'G->' B +,@D' ;KLM E' ,!'
C !*>' &' 0 $!' ''N M B@' B J ' ?@'>J-A'
' ,C.@' B- , ' - ' B J' ;K<< + 2 ' ?. 0 '
& ' 2 0 S S' ' = '+B@' @ -A' D A @'+B@' B--,2' -C' B- ,2'
-?@'A@ C@C'+B@' B-C@' ;<NP / ' " ' $" '&%' ' ! '
B'P;P' !>JJ- A. +B +'+B@' +C A.@C'B D' A' B@C C +'
AD'B D'J@CB J '-E @C @D' AD +-A'-' B- a2'+B@G'-E@G@D
E ' "@A @' - ' > @D' - ' 'A+ ?E@C' - ' I> + '
A ? , +'? C ,- + A.' -E*@ +
;P<L'V f ' (L;'E' B@' +@C 2' E C@'+B@' B-,@'
B-,@' - '+B@?'C)'D@ D' C @ a' E@ -C@'+B@?2' SMM- ' '
2' 5*0C * 0 ,0SS ' ;<N B@'E>EE,@' @AD@D'A'
+B ' I>-C2' ' +' @C@'A' B-,@ ' ;M<O'$ ' ' +$ @' $!' !
SS 'OM '7B-,@'!B- , ' - '5C- . ' ;KL< . 8 ' '<
' +-K' ' B- ,' - 'E- ' +'A- ' ?@' - ' C-?' +B@' B CE->C'
,,@D' +B' J@-J,@' 4K=N 0 ,, 'OS<' B@' ,G'? -A +@C'
-'+B@' ,@2' ,- U@D' A' B- , '+-'+B@'J, @2'
' , , - U' - 'E CD ' 1 0
;PQ< KN' ('C!) $, (, &')%b&b.' &<b' 5C- ?'
' > ' , ' 1 $' $/ &' ' , ' ,& (
(S 'SSS' 8XKKM(OQK' -'
1 ' ! ' $;MP<' (" ' ' 'C 0 '%b' " @' '
'1 ' ' $' (("> + # '<& '<)$ (
C&& '&' U@' ' ' &
' $' %(' ',>C.@'A>? E@C' - 'J@C -A '+BC-A.Y
A .' +-.@+B@C'-C' , @D'+- .@+B@C' ' '+C--J2' C- D
\^GL' $ ' * 0 $!0 3 G'NR :' @ 'B- ,@ ' B@J)'
E@ CD@ '->+.-@' ;PQN' ' 9 '<!& (E D 2' ' E-,@2' '?>,+ Y
+>D@'+ U@A' - ' E@2' E@C- ' - ?@' .- A.' A' .C@ +' -? J A@ 2'
C@' GD@'+-' ' ? ?@' A' ' B-,@' (' & ' ' (
&' ' & 0 7 B@C@ +B' B-,@' E- ,' - ' ? C+GC '-A @'D D'
E>? ' ;^ + ' 0"' , (' ' , CE(PQ=' 7 B@A

C @C@'E@' .C@ +'!B- ,@ ' - ' &@-J,@2' B B' . -@' -A'+-' J->, +@'
\GIL' " '< !? '3 .' ')% N.' ' M' B@' +-C'
A ' +C@ @ J->C@D'>J-A' ?@' A' B- , ' 4Q<4 8 . '
% ' &"' A' %_M</ B@' B- , ' - ' ! -+ B? @A' B- ' ,-@U@D'
E->+B ? ' SK)' ' & '1 "' S2' ' @@' J@-J,@' .- A.'
'>J' AD'D- A'+B@' +C@@+' A' B- , ' ,' D G' LI 3 .
$,$)!$"' ' ' '<;')B@' DB@C@A+' - ' +B@' - @C A A. ''
B- ' +@' -C' +B@' ->A+ @ ' @C@'+>CA@D'->+'E ' B- , ' c&R%
,& - $ ''M JC' R0_' ' B- ,' - ' A+>C@D'J@-J,@' @C@'EC->.B+'
-C'+C@ +?@A'+-' +B@' $-G ' A C? CG
E ' , C.@'A>?E@C' 8-' A A ? +@' +B A. (2
%M<& -B. . ' &!"' $ ' 'S'8;M=N(O=M A) C@' +B@'
B-,@ ' - ' ? C ,@' D-A@' EG'%BC + ' % - @' A':@C> ,@?'
9 N ! $'C &&%' $ ' "'C & 0 $ 'Q 7 @' ? G@SY
J@ +'!B- ,' - ' @S+ ' SK)' . ' .0 '<E' ' 8;KQO('
'=O @) @AD A.' E- "' ' ? ,' +C->E,@ 2' S) ' ' : ' !
9 '") - ! "'S 2' -+@ ' AD'+@,@.C ? 2' B B' ?@' A'
EG' B- , ' C-?' ?-CA A.' + ,,' A .B+' c&RR" - !0' &,0 "
4 ' ;O ' B- ,' - 'A- @,+ @ ' A'? B A@CG
! ' & - 10' B- , --D'8 @@'I>-+' ' , &&!3,& +'
B- , A@+2' 'A@+' -C' + B A.' @ , ' B- , @'
$ 0"' A' B- , ' - C' - D ' C
;KLM :') ' $) '$'?& 03 - 0 ? ' <=;'<$) '
$ '&)(!E- , -D2' !? +B' N & ' < ' 8 7 ' " - 60
$1 $ &' ' % % B@' @ ,@C' J>+' ->+' - ' ? -C@'WB- , A@, 2'
AD' A-+B@C' +-JJ@C' SK '+ 9 '8#. , @% N./ 7 B@A'B@'9
.-@ ' EC- D2 'B@'D-@'A- ' B- @2 :-BA' O-,,' AD' '
.C@ +' B- +' - ' AAU@@J@C 2 @+
! B- 2' 1(' 1(^ ' / A' , &!' A'+B@' ?@'
@A @'8@ C, @C' , -' #,-D2' +,?J' - ' ?@+ ,(' 3 '
, &!!,"' , .)!! ' ,-D2' -D2' # " ' , &!!$' @CA 2' , &!!&'
? J'8 3 ' ?-D ' , &!! +' ,-D2' ? ' - ' @'
J@CE' 'C--+'T .)! ' @@' !"# +' ' ? ' - '
, - + A.' @'H) ' @E@C.'-C' ,-@
%M] ' ' L ' A2' ' , &&! ' $'" (!B--,@' - 'G%@'
N_(< $!0 $ (C$* 'b<_' B@' .C@ +' B- , ' - ' @ E +'
?@'D- A' A' +B@' A+@C'- +@A'D ? .@D' +')C U'EC D.@"
%_MR' '0 0 'MQ ;' @ C' ;NN ,' B @' E@@A' DC- @'
C-?'+B@' A B-C ' AD' ?--C A. 'EG'+B@' B- , ' - ' @
! ,+#)' $0 8 AD' $ 0+ 5-C? ' ' ;' 8 A'
JC-J@C' A ?@ (-@ ,D2' =' -B# ,D@2' P' K-B@,D8@'
?(8%B @ ,G' !)(P Q' -B ,D2' P' B ,D@2' C E ,D2'
B ,D@2' B >,D#2' M' -B DD2' Q B) D@ I'
$!(B ,D2' @+ (' P' -B D)' M' B D' 8<'
$ (B D2' !E-) 2' @+ (' M' B ,@2' K' 8 A'
< $ +' E >,(B ' "(=' B--,D2' B--,)'
P'K-B-,D8N2' -,D2' P VQ' B-,D8@2' B- ,D2' Q' B-+,D'
.M Q' B- ,@2' B- ,@2' M)' B-,@2' Q' B->,@2' Q)'
B- ' i3 ' JC@B + ' T .$! $3H'
J C ,,@,' -C? + -A2' D @C A.' -B,G' A' +B@' > S2'
JJ@ C'+-' E@'+B@' GA-AG?->' . . 8' ' 3 I
T , $!)' 3 .$!2 $30 B@' ?J-C+' AD' A + @' - '+B@'
E @'T\ .$!3- '+B@ @' -C? + -A ' C@'A-+'@ G'+-'D@+@CY
? A@' 'J- E,G' +' ? G'E@' +B A', G@C'" ' A'# @>+'
T .$!' ' . 1(' +B ' >JJ- + -A' ->,D' C,G'
@,,' ->A+' ' @ @' - '+B@' A., B' D*
!-?@'@+G?-,-. +'B @' -?J C@D' ' , $!' A J D2' J D'
8- ' , I>-C '+' B@A @G) ' 'D ->C @2' +B->.B+ ?@+ (' - '->+'+B@'
@A @' B ' "++,@' C@ , ,CA +G' B@' #' , &!'85C ' .& +'
B- ' C@? CU E,@' D@A+ +G' ?' ->AD' AD' ?@ A A.' ' +B' +B@'
A.' D*' = , &!'2 $ ' B ,,- ' +@C2' , &!* ''+-'J,- '
B ,,- (2' E>+' +'@+G ?-,-.G' 'D>E -> _
:' # ' +@C2' @+ ' - +' D@@J ' f ' . . 8' ' ,
<&' A' O C B' $)!0' $5&'0 ' P<L' +' ! @ ,D A' ,@-+@
,'4= N 6$,&1>' !!MP' '"' -J@' - 'J@A >A @'E@'+-' B@,D2'
+' + UG+B'A- +@C' - ' -C @2
'S) ' B ' ?), 'H50 LP=' " @' J) + 2' AD' ,@,G' .@C+'
G'F>B C -' +B@'D U'+B@' @A D@ +' = 0 0 B ,D@ +a' '
,'N]Nb 9 B ' &'0 ' 2' QM<' B A' C@A+' AD' @?G '
C ' B ,D@' = 0 0 E >,D@2' B ,Da' %b(< B7. '
B ' ' 'S 'PM ! 'B>.@' , >?'C-,U ' AD' B ,D' $-10
0 B >D(AD ' 1 0 A'S ' PQ' AB E + AD' +B@'
B >,D' ,>D@' >,+>CA> ' %b_ &b' , 0 ! ' ,& (A'
!U@A@' ! , ' ,&0 8SKK-(' ' JJ ' =ON' B C' 'A ' .C@ +'
+@C 'A-C'C @C ' A' +B ', @' ^- 4@ . 4'B>+' ? ,' B >,@'
E>CA ' Nb&_' = 7 ' ' !$ ';P== B@' +@C'
-' ' @' B ,D' 7 @' ; +'*))'@ A' ' @' ,D' SM-M
'V .3?) $!!'8;KLL(#Z 7 B B' +B@' -CD' B ' @+' -A'
+B@' B ,D@' E- C@2' ,GU@' E@ U@A '+-' CA@' c<M
C & (S4S '8;QPN(K=' !B ' , ' +@C' ? U@' ? +'D A
"(OLKQ S ' '8$-,,(' L;' " @' -,D@' ? U@'
E +' .C@@+' CG ,@C' -' E ,- @' 0 0 A--,+2' B--,Da' (V@+'
J@' +@C' B>,D@' AJ>)+' C@ B@' +-' - ?@A' UA@@A');==N'
C&- ' *0 C$ (h # ! BJ,D2' -C' E ,- @2' A-)+@' D@J@2'
' +@C -C' -J@C ,GU ' 1$ $(0 ,';=MN 1 0 8 7 A B(;MP'
5,@ 2' -C' ,&[1001$) (OSPP=' ' ' ' 9 . . B7 ' A'
" U,>G+' &"'08;PK<(OM< +@C'+B +' @' ->AD@D' . A@2' AD'
->AD'E>+'Q D-?@2' -' E- ,D@C' AD' E- ,D@C' +@C' OPPM
#' ' 8)' * ' '=' C!"' SSS, ' " - ,@ 2' D@W AD' +-JJ@ 2'
3-D@2' A CC- 2' D@J@' AD' B- ,D@' OMLL' ' # ' &"(OL'
B@' B->,D@ +' +@C 'Q' D^-?@_
K' $' \ I' ' " ' O , !' A' " U,>G+' &"'08;P)(O)<
B@'E- + ->,D' A-+'%-?@' +-' , AD' +B@' +@C' - '!B- ,@'
\^ L' C) ' & %0 LL' B@' D + B@ ' C@'A CC- ' AD' E- ,@'
$'^LL' $ ' 0 A(' 2 =N " ' 3 AAH @C@' B@'A-+'
' B-,@' NMN]' 6 ' " ' $' 0 B@' @ -AD'- '
:>,G' +B@G' @,,' +B' +B@' - +' - ' 5,-C D ' A' B->,@' +@C'
$)))'J $! ' $ "'%b' >. 2' #>C' B *? 'C>AA A.' ,,' .C->AD2'
+'E@ A.' - B- ,' +@C' OQSN /Z' ') &' ' bR 7 E +'
+B@' !B-C@' 2 B@+B@C' , - U -C ' ! AD2' B@+B@C' !+@@J' -C'
!B- ' @'UA@ 'A-+' ;Q=K' $ D)$. 'C) ' 'OL' " C A.'
->C+@@A' 5 +B-?' 7 +@C >'+B@' B-,@ +' & C+' c]R (
)!!' &, . ' &- - (+4L2' F' 7 B +'B 'E@@A'+B@'@ +' - '+B +'
@S+@A ? '>J-A'+B@'?>D ' ' + ?> B B- ,@C+B A + ' +B@'
E@ -C@' SK)' : ' ! C " (< & 0 $' 'e' =LN A' +B@'
!+C + 2 +B@' D@J+B' C- ' +B@' E- ,@ +' @ + -A' 'A-+'?-C@'
+B ?' -A@' B>ADC@D' AD' S+G' +B-? ' ;K<=' $ ' - '
*0 4 4 ,' ;NL O' E@' , E,@' +@C G'- '+B@' >+' '
.C@ +,G'C@D>) D' A' D+B' EG' B- , ' +-A' +B@'A-C+B2'
E ' B@' JBC' .&$!' 2 $ '+ @D' ++C E
OKQ=' : ' 7 ' 7' - (! %& 2 !' A+C-D' ;P' ' B ,, '
@J C +@' +B@?' A+- D@@J +@C' AD' E) E +@C' C@+@

[illegible]

' '.C->J' - ' B@ @ ' - ' .C A' J, @D' >JC .B+'
AD' >JJ-C+ A.' @ B' -+B@C' A' -CD@C' +-'J@C? +'+B@'
DCG A.' AD' C J@A A.' - ' +B@' .C A' E @) ' CCG A.
&BC @Z ' ' &,.(

[illegible]

/ ' $' %(' C- D'8- 'J@C @? (' 'B@ JZ'+,? BZ'
E>AD,@'8- '+B A. (

[illegible]

' &- 10 8!@@' I>-+ (

[illegible]

!B- U' 8: U(Z 10 ' &- - (- ' -A,G' %% 0'
5-C? ' =' B-U Z'8 -U(Z = M' B-U Z' Q' B- U@Z' M '
B--UZ' ^ Z ' 8 Z' " (,.&,. ' / >Z' , &.'H
JC-E' ' J@ ,'> @'- ' , &,.']' 'C ,a

[illegible]

'/' 'C-,,'- ' ,-+B' -A+ A A.' + @A+G @ .B+'@,, '

[illegible]

5' , & % ' ' $, &D) '5 ' /' .,'

[illegible]

Z !0' B@' @A ->A+@C' - ' A' C?@D' -C @' +B'
+B@'@A@?G' A' ' B C.@'-C'-A @+' ' , -Z'+B@'@A ->A+@C'
' ' + - ' ? - >A+@D' CC -C ' -C'*-> +@C ' B C. A.' -A@'
A-+B@C

[illegible]

, - ' ' $ ' ' ' $ $! "' OO< 7 @' +B> ' -E+ A'

[illegible]

E ' $' %0 A D)

[illegible]

/ ' ' >DD@A' AD' -,@A+' E,- Z ?J +Z -C' -,, '
-/ Z +@AD A.'+-' - @C+BC- ' -C' +-' JC-D> @' A+@CA '
- ,, + -A' A' ' E-DG' >E*@ +@D' +-' + ' , -Z +B@'
D +>CE A @- '@I> , EC >?'-C'+B@' A+@CA ,' - ,, + -A'
C@ >,+ A.' C-?'+B

[illegible]

' $' %0 AD' % 0' ' >DD@A' AD' -,@A+' @ @ +'
+@AD A.'+-' ?J C' +B@' + E , +G' -C' J@C? A@A @' - '
-?@+B A.' 'D ? . A.' E,- ' 8+-' ' -AD + -A' - '
+B A. Z ' J@C -A 'B@ ,+B' -C' -A + +>+ -AZ A' A + Y
+>+ -AZ ' E@, @ Z @+ (

[illegible]

!U- U' 8:VU(Z 1%3' ^ 5-?@D' ' A@S+' D*a' '
+B U' ? '8- 'B C(

[illegible]

E ' 6 @D' -C' A'- >CC@A @ZD - @CGZ @+ '+B +'
- -A' ' B- U

[illegible]

G->A. B@A'+B@' -A @ -A' - '% +B-, ' >>+ V5? >'. @'

[illegible]

M ' ' ?-?@A+ CG' + ?>, + -A' - ' ' A@C @' , -Z
' + ?>, + -A' - ' A@C @ ' +B' C@ >,+ A.' -A+C + -A'
- ' ?> ,@' AD' @@, A.' - '%-A > -A' * ,0 I ' ! ,Q
,' &,.' 8 @@' . '$0 O E(2

[illegible]

2' $ 10 AD' & - 10(' .&,.3! . (^ ' '
3 $&' ' D* ' B- U E -CE@C2' 'D@ @' ++@D'
+-' ?@ B A ,,G JC-J@,,@D' @B ,@ ' A' -CD@C' +-'
E -CE' EC + - -Z B@A @' B- U E -+ESO.' $ '
) - -U + -SS' E0(' ?@+B-D'- ' ++ U' EG' ' B C.@'
- ' ,CGZ A' B B' +B@' -C @' - ' +B@' ?J +' '
JC A J ,,G' C@, @D' >J-A' ' ' B- -U E -++,@Z '
B>?-C->' D@ .A + -A' -C' A' @,@ +C '* C' B- U'
+ -+ ' 3 ,)' + ' A' B B' B- U + -A' -C?'
'JC A J ,'J C+2

[illegible]

+' !B- U ' 10 ' 1 0 ^!@@' B 7 V' ' D- .'
B A.',-A.' B ..G'B CZ * ,('J--D,@' !@@' , -'

[illegible]

!U- U' 8 JU(Z $(^ 'O U -C++ + -A' C-?' "

[illegible]

E ' & - 10% ' &, .31 $ (3 $ (3*$! ' D*

[illegible]

i'!B- UZ [' 1 0 A' P' @E-UU@' ^O@ -C@'+B@

[illegible]

[illegible]

[illegible]

[illegible]

' B- U A.' E D' B +`)+B@' , A.' - UD@G' JEC M' - ' [KL4'
;KLL' ^! ' V (' &2 ' ' 'S '8;KLP(' N') A'
'% ' B +' ' B- U A.' E 'J,)' m 9' M ' X5'
(, ' & - '? &2 '' ' 2' ' ,- U A.' E D'C- 6

! B - ,D A . ,G' :CU I, (2' & V0 ^ 2' ! - 9 ? @

* * !0' $0' 8 1) :' a* ' ' B- U A.' ? AA@ ' -C' 8:@.C@@

4 ' ! -' '+-' B- U' +B@' @@, A. ' @ -,+ A.,

\GIN' / ' C$ - !$' ' S)' B@C@' ' A-+' #A@'
%B C +@C' A' +2' E>+' B +' ' B- U A.,G' ? ? -C ,' W M'
: ' ' (' C$ ' 8@D ' O(' &C@%' MK' 7 @' C@' B- U A.,G'
+C@ +@D' EG' +B@' &C> A ' ;KPK' %%&) 0' & ' OK' >. '
O=; ;' ' B- U A.,G' C>D@' C+ ,@

/ ' ,&!!&D0 # +@A2' A' D@JC@ +-CG' @A+@A @ 2' +BY
->+' AG' J@ ,'C@ @C@A @' +-' +B@' @A) 7 "+ @ 2') > '
,@A+' +-' T' @CG' '@S+C@ ? @,G'

>! ! !' 3 ' + , !' $!B%' $ "(' 'N_' 3 C 2' / C '@ ?='
-A ' B- U A.,G' A@ C .B+@D2' , ! $' [(H"(' -
E@' >C@' B@ ' B- U A.,G' D@ C2' +B +' ' ? > +' - A ' ;K=N' ' B"
, ' ' ? $ ' 3$' b_/ ' ' `R 2' A@C -> '
;<N;' 7 ' $ ' " ' 8 M ' (' ' & ' &' E00' S 6 '
M;' E' C +B@C' JC@++G2' E>+' B- U A.,G' E D,G DC@ @D. C,

E ' f ' &, . ' !"' ' !!'H T E- ? A E,G' % ' &' &&.'

&, . ' !"' ' +-' JJ@ C' +-' E@' ? > B' ->+' - 'B@ ,+B2

$>% ' < .) ' <&& '0 1 ->', - -U' ? - +' ! B- U A.,G' +-Y
D G2' ? G' D@ C' C @AD ' !" BO ' ' 0' 0 < OV ' ->,D' J@C @ @'
+B +' B '@G@ ' ,- -U@D' I> +@' B- U A.,G ' KOP' 2' " - # % W)'
' ' !@C ' C' &) 1 '=' (' " ' ' O;K' " - ' B- U A.,G' E@'
,- -U ' ((' 7 ' ' : +' &) ' - (' '=Q' 3 AG'
- '+B@' JC A J ,' +C@@+ ' ? @' B- U) ,G' J @D '

0' ! -' '+-' > @' ' B- U' - ' >CJC @k

;KKL') ' $ (' !(' 2' B ' >DD@A' >A @!+?C+,#D'
> ' B- U A.,G

! B - U A . > @ ' 8:8V U I2A (' ^ ' 7'

* * !0' $0' a' OLL a' B@' I> , +G' -C' -AD + -A' - '

E@ A.' B- U A. ' i 'C@J>, @A@

NG^E' / ' < $' &'' :$ S S ' ;LK' +' - +@A@D' +B@'
B- U A.A@ ' - ' E ' @SJC@ -A' SKK ' - ,$ '' 4 ' OSP'
B@' B- U A.A@ ' - ' A+C> -A' +' > B' ' + ? @2' SJ- - 3 !'
+ , ' & ' '' $ 2 ' SS2' B@' JBC @' +AU@!' B@C' !'
C>D@2' @ @A' +-' B- U A.A@

! E - U ,@ ' 8: V U),(' ,(' AD' '& 0 - ' $ 0

5 -C ? ' M' B -U,@2' 8Q' B@ U,@(2' <' -, - -B,@2'

B - . . ,@ ' ^! B-C+@A@D' C- ? ' , 3 &,.! ' % *'

' ,> ? J' - ' @' ' A' ,@

;P<M' F ! " $ '+C ' ! » ' 0' 0 ,& (=M' 5 C +' A' +E G'
CGD@' A+-' +B 'C >@C '+-' +B- '+B@' JGJ@ ' AD' EJU,@ ' - 'G @2'
C- A' J-A' +B ?@ ' EL' ' / ' ' 0' X$!&T'
) !(' 8;K;L(' ONK' B@' .C->AD' @ ' >,' - 'C-AA 2' -C' !A@ U,@ '
- 'G @ ' $' ;KP< O ' A' %& 0' ,& 0' C& ' !@C2' 'P=' B@'
B- B,@ 2' , U@' CG + ,2' B A.' ,@ C' C @' +B@' C- U ' !G+' 9 K'
' C (' SS ' =Q' " @' D A.' D->A' +B@ C' J, A@' +C@@ ' `'
B- . . ,@ ' - ' @

+ ' ! E - U G 2' , (' 1 (' $ (' ^ ' ' $(' i '" V'

" A.' ' +B U' B@ D' - 'B C2

;MLK' ' *&) - ' ' 'C !0' $' 0 4 4 ' ;S=' " @C@ ? +'
E@C. > 2' A' E '5 .>C@2' C@JC@ @A+ 'B ?' ' !B- UG2' AD2' ' +'
@C@2' +B' %>C,G' " C

& ' B% +(' 10' ,(' AD' '& (' ^ 2' ! " # / ' * * !(' $!H

' ' J, +@' - ' C-A' +@A@D' >J-A' +B@' B@@,' - ' '

B-@' +-' JC-+@ +' +' C- ?' @ C*' ' B@@, + J ' ? -C@'

>,,G' & 0

CS) -' A' ' C-++@C' 0' < $!!& 2 $ "' . 0)%&R%.' %RN0% B^@C@ !'
' +B A. ' A' +B@' : A.,@' O -S2' OC 2' ,CA2' AD' + A2' AD' E-D!'
- ' B--A' SF ' ' : # " 9' & '% & - (' 2 ! 3' $& '
' %N ' " @' B D' A@ @C' @@A' B@@,' B-D ' , U@' +B@ ? 2
' ' U D' A' +B@' -C ? ' - ' ' B - @ ' b ' ' 1(' P'
LE' # 9 ' , . ' ' '%& 'G ' ? ' ' 3
B- - ' B B' +B@' ,-CCG ? @A' > @D' +-' +-J' +B@ C' D ,' . . -A!'
-A' +B@' +@@J' +C@@+

! B - D' 4B* + * * !0$0' 5 -C' -C ? ' @@' +B@' E ' !@@'

,6 -')!' ^J ' JJ,@2' - ' ']

' 7 @ C A.' B-@ ' %B @ ,G' +B' I> , G A.' D 22'

0 !!(' ' $!"(' @+ ' , -' ")!

. 1) ' $ B (

;LK ' O ! $' $(' S ' ;P' ! -' +B +' +B@` J @' +B>C!' BGA ' B-D'
? @A' ^;LKK' B- -D' ? @Aa') ;LK=' #) ' 0' $ - ' ' NK'
/ C@ ? @' E@' E C@ -+@2' DC@ ? @' B@' B-D' = $5 & (' " ' ' ' B- -Da '
,'H (d$& & -0 & 'Q=ML' AD' ,,@' C@C@ 2' B-DD@' AD' E C@2' &' ;==N'
C & - *0C$ 0' ==Q O' ! B-D2 ' ? @A2' ,$!, $) (! B-D2' 'B-C 2'
% $) 0' ;PLQ' A' OC AD' 0' 2 ,$! ' 8;Q) (' ;O<' '& (0
B@' O, U@ 5C @C!' -+B@C @' ,,@D' +B@! -D@' 5C@@C ' Q$!'
8 1 < S5 'K ' O>+2' AD A.' - -A' ' ? - -+B@C' C- D' O@A@ +B'
B ' @,, B-D' @@+ ' ;K=N' F 9 ' ! '% ' &*' 2' 'J C' - '
@CG' ? J@C @ +,G' B-D' @@+ ' ;KKK' T' : 2' ! 2' O 'T' ? && ! > '
! 0' / @ +,G' B-D' @@+

/ ' # ' +B A. ' 5>CA B@D' +B' ' B-@' - ' ? @+ ,2'

@+ ' + JJ@D2' @D.@D2' -C' B@ +B@D' +B' ? @+ , '

' & ' & !' @@' 3 .' 1(

;PMP' # $ ' $)) ' ' ' $) ('C !$ ' $ $(' E DD@'
^C :' -C' J-GA+@D' +B' EC @' ' ;PQK' V ' $ 10') C8!>C+@@ V
< ' ;L=' ' B-D' D A.@' -CU@ ' ;<NL' T $ ' ' $ & ' 'L<
7 B@C@' ' ? A' ? G' E U' AD' DC@ ?' -' +B@' , U' - ' ! B) '
A-@ J-,@ U

E ' # ' C+' B@@, ' ' 5>CA B@D' +B' + C@ ' " @A @'

- ' ' C+ ' " A.' T' B-D' ' B@@,

4=K+' "' ' ? . (' 0' ;ML' E2' -' B-D' C+' , D@A' E@'
> C@D' +-' J @' - @C' +B@' D' OC . . @ ' ;PLP' A' , - &!0'
$ ' ' ' LN=2' *' J@ @- ' E-GD' B@,G \ B@' - @C-A B-GD2'
PML' ? & %& C%$ ' & ' ,(' A' 0' 0' ' T' < !& ((' ' ! B-D '
GA@' -C' C+@ ' E ' O) ' ,T') ' $!' & ' T' P;M'
/ >@C ' .C@ +' ,@ ' - ' C-A' @C@' +B@C@' ->AD2' > B' ' C@'
@D' A' +B@' B@@,@ ' - ' B-D' C+ 2' 5B ? , ' ;' < &0' (' ! + +
' ' ' L' B@' / >+G -A' ! B-D' % C+) J G 7 @) +B @) D
% +G' ^- ' D AE>C. Ba ' ;KL;' : ' (' $ ')%(' $!' '
;PQ' 7 B@@, 2' -A D@C E,G' A C@ @D' A' EC@ D+B' -A' +B@ C' ! B- - '
>C @2 ' C@' A-+' >A - ? ? -A

! B - D ' @@') ' $!((' B@D

! U - D D @ A ' 8:C 'A(2' $0' $ 0' ^O D,G' ')'

* * !0' C2' -A' +B@' >JJ- @D' A ,- .G' - ' & `(' &$dTTk3('

& (' & ' (' @+ a' f ') ' * * !0' $0

B@' -C ?' , -' - >C ' -C' +B@' J 'J J,@ ' @@' '
O && ' = ' = . 'C$! - ' $ 'ON' B@' ,- -C '>A + A@D'
EG' +-> B' - ' B-DD@A' @@+' ;KP< " ' T !' <(' $ - !" ''
4 42' 'O, U' @, , - ' D' +-' ? G @, ' E>+' A-2' +B- @' @C@'
B@DD@A' @@+' +B +' @J+') -A.' -' @ C ,G

! B - D D @ C2' -E ' -C ?' - ' B)) '

! B - D D G' 8: JD,(V' 10' ^ # ' -E >C@' -C . A

) +' ' J- E,@' +B +' @A @' =' ? GE@' +B@' -C . A ,' ? @ A A. '
' -2' +B@' -CD' ? G' E@' 'D@C + @' - '

' 7 - -,,@A' G CA' -E+ A@D' EG' +@ C A.' +-' BC@D '

C@ > @' - -,,@A' C . 2' B B2' +B' +B@' DD + -A' - '

- ? @' A@ ' - -,2' ' ? D@' A+-' 'U AD' - ' ,-+B' 8 @@' O(

KL ' ^ @@' & "3 ' ' +A' P ' 4KLM !' ')' & - '
&) ' ' B@' ' B-DDG' ' ' +' ' ,,@D' ? G' E@2' ' - -A'
C@ I> C@ ' ? S@D' +B' A@ ' - -,' A' AG' JC-J-C+ -A ' ;K==' '
F F' 5 ! ' $ ')%(' ') K' ! B-DDG2' -C' - -,,@A' C . '+-CA'
) ') EC@' C- ?' ,EC@ ' ;KP;' = 8' $' (' $1&) ' ', ' LN S'
-' +B ' +> '8SC ' -++-A' C . 'b ->AD' >J(' +B@' A ? @' - 'T' B-DDG' '
j j' j j @A2 Ej > +j +Bj @' j C@ j j jAjD j C jB -jD - S ' B-DDG" ' ' JC-D> + -A'
- ' +B@' - -,,@A' D +C + ' XKKS' , 0' < !& 0(' & "('
+@' C- ? ' -C +@D' ! J AA A.' ? ,, ' ;<N=' $!& ' *') '
=' > . ' =KM ;' ! BJDDG ' B@' EC@ ' - ') ,' @ ' +B@' - +@C' ? U@ '
- ' -,D' -+A' +@C' +' B 'E@@A' +- ? ' +-' J @ @

E ' $. 06 $!(' 8 ! @@' I> -+ ('

;KLQ' % ' O ' ' ? C ' $ - (' ? . (' 8!>C+@@ (' ;KL'
,- 2' ,) (' <P ' B@' D C+' AD' .C@ @' C- ? ' ' ,@@ @' B@A'
B@D2' ,,@D' A' +B@' +-C @ ' ? ->+ T' +B@' @A+ C@' >EY
+ A @' +B +' ,, ' -A' +B@' ,- -C' E@ A.' ,,@D' T' B-DDG' ' -C' ' - -D' '2'
? D' E@ A.' +' 'B .B' C +@' -C' +-J DC@ A.' .C ' , >

/ ' ' ,-+B' - ? J- @D' - ' B-DDG' - -,' 8 @@' + :

- & '%' "' & "' & (' 8 ! @@' I> -+ ' ;< ; ;

;K=Q' : # , ' ? ' ' '8@D ' <. ' 99;' 5 -C ? @C,G2'
B-DDG' ,-+B' ' > @D' -A,G' -C' J DD A.' AD' > B' , U@'
J>CJ- @ ' E>+' A- ' ,> B A. 2' DC> . . @+ 2 \ 2' C@' @ +B@C'
B- ,,G' -C' J C+,G' ? D@' - ' ? -DDG ' KMP' : 2' ' ' . .)'
C !$ '' $!. ' ' IOK ,-+B@D' ->C' +C- -J ' +B' B-DDG '
KK=' = ' * ' ' ' ' _+' ;KQ' ! B-DDG' ' +B@' -CU@D '
>J' 7 +@' - ' - +' - -,,@A' . - -D ' B B' B @' B-+' E@@A' ? ,,@D'
AD' ++@D ' ;<NL' - ' ;O' 3 A' SS L' O@C, A' @S+ ,@ '
! B-DD @ 'B @' E@@A' + @' AD' +C-A. ' ;<S;' ' , " ,!(' ? (
4 4 ' <<O O' B@' +@C ? ' ' BIDDG ' ' - ? @+ ? @ ' JJ, @D' +- ' ,,'
EC ' ? D@' - ' > B' C@ ? C+> +>C@D' ? +@C , 2 'E>+' +C +,G'
+' B->,D' E@' -A A@D' +-' ' ,-+B' JC-D> @D' C- ?' EC '-C . Y
A ,,G' ? @ @' +- ?' A. , B' AD' +B@' ,-A. @C' C- EC@D'
' 6 J-A' +B@' B-,@' +B@' ' B@ J' AD' A G ' D@ '> > ,,G' - '
% +@D' +B' +B@' +@C ? ') B-DDG') ' ' I> +@' ' ? + U@ ' ! - ? @'
? - +' @S @ ,@A+' D-+E ' C@' JC-D> @D

' $ - %(' AD' % T' 7 -C+B,@ ' ? +@+ ,' ? D@' +-'

,- -U' ,O @' B +' ' - ' >J@C -C' I> , +G ' B +' '

-C+B,@ ' AD' JC@+@A+ -> ' A' C+2' ? A> +>C@ 2'

D@ 2' @+ 2 ' +B@' , ' - 'J@C -A ' B C +@C X@D' EG' +B@'

@AD@ ->C' +-' J ' -C' - ? @+B A.' >J@C -C' +-' B +'

) @ G' C@ ,,G' C@2' +B' C@ J@ +' +-' @ ,+B2' E CD 2' >,Y

+>C@2' -C' C@ A@ ? @A+ ' , -' =E 0 T>+(' ' T B-DDG '

J@C -A' 8 @@')) ' ?' DK

SKM ' O) 8 . ' ? !& 2 'C 0 ! @C ' ' ,2' 1 -++' +B AU' +B@+ ' ,6 C '
U@A @ g ' ,,' +' ? -DDG2' '+B A. 2 ' @X' 2' T 2 2$T ' - @C' ->,'
A-C' E) G2' ' , U@' +B@' J, A' ,, - -,' - ' - ? ? -A @A @ ' XK)'
. ' A' $!"' !(' ;N' : >A@2' ! B-DDG' @ C ' + ' JJB C@2' -C'
+ ' D ? -AD2' -C' + ' JJ@+' C A.' ->+ D@' + ' . ,- @ '
1 ' ' ' . ' ' 2' ;PM' " @' , ? ,G' C@+ ,@D' B '
,@A. +B ' - ' +B@-, - . ' B-DDG2] -,D' C . ? @A+ ' - 'D@) A.'
) +@ ? ' - @A' A+-' ' @E' - ' +B@' > > ,'J-,6B' , ? A%! '
WQ< < ' +) # ' &0'), 'S ' ;<P' ' GA+ + ,' B-DDG' - '
+B@' B@ J@ +' -C+' ;<N=' ? & &' ' 8 3 (') ' $ "' (' O<
>A@' K P' B@G' , U@' +B@' -,D' ? , @ ' E@ +2' +B@' ? , @ ' +B +'
B @' , G 'B D' ? -A@G' AD' @C A+ -> @' +B@' , A. > . @'
& ' +B@' . C, ' +B@ ? @, @ 2' +B@G' B @' T' A-' > @' -C' +B@' B-DD @

! ' $!(' ' T B@' ? ,,@C' +-A@ ' +' ' I> CCG"

% ' - ' P ' &2 '' < !& T(' ;KKN(' ' , -' * (' +-A@ '

- ' +B 'U AD2' E ' A @C -C' - ,' = ' (' $!('

4K<L' ?) ! ' ' 2 ' &' 5@E2' ;<P' ^ B@' B-> @a' ' E> ,+' - '
B-DD @ ' I> CC @D' C- ? ' +B@' 3 6' E@B AD

. ' ++C E ' AD' %- ? E 2' A ' & "') % &, . (' -

, $ ' (' - &*&! (' - !!(' $ ' & "32 $ ' D 2' '

-E*@ + @2' & "' $! (' ' (' - $ - %) T

& "3 - $. ' '&](' P A +C> ? @A+ ,2' ' &$ "3 &1 '

D* *' B-DDG' @ @C' 8 @@ I> -+' ;KP;(' ' B-DDG2'

B- ,@2' A' J, @' A' B B' C>EE B' 'D@J- +@D2' ' D> + '

B- ,@ ' , -G) '

;KPQ' C (' 0' , & "' & . 0' ;NPL' ! B-DDG' / @ ,@C
WB-DDG' 3 @ %B A+ ' SKM-' J ' $10' . - (' &' ' L)'
1 -> ' 7B-' EC@ +B@' B-DDG' D> +2' ;KP ' = 8' & ' (

2' - ' =N=N2' ! B-DDG' ,- U ' XK) ' 8 9 ' %% , ' & %'
(' @+ ' & '' $! '8@D ' O(' MQ' ! B-DDG .C AD@C ' S@' J@CY
-A ' @ ? J,-G@D A' J U A.' AD' +@ C A.' - -,,@A' C . 2' AD'
+@C CD ' ? A> +>C A.' +B@ ? 2' +B' ? @' DD + -A' - 'A@ '
- -, A+-' ? ' ;K=P' F "1 !' ' 2' + ' '
JC@++G' . -' +B 2' +B +' ' B->,D' E@' +- , A.' A' ' B DDG B-,@

%B>C B' A+-' ' B-DDG' B- ,@ ' ' : ! M' &' 0' $1&) C
' LN O' B@' +> ' B B' @ @A' +B@' B-DDG ? U A.' D@ ,'
C@*@ + 2' ' J U@D' - ' +-' +B@' .C ->,+-C ,' D +C + ' +-C' > @'
' ? A>C@ ' 1 0(' B@' E-DDG' ? A> +>C@C ' XKMK)) '
@ ' JC ' LLK' O +,@G' AD' + ' A@ .BE->CB- -D2' A' 1) U B C 2'
+B@' .C@ +') ! B-DDG' ? @+C-J-, ' OKLQ' : f # , ' ? '
- * ' ' P;' A' +B@' A@ .BE->CB- -D' - 'O +,@G' AD' / @ '
E> G' C@ E-DDG' ? ,, ' ;KKM' J 9' 5 0' , (' @+)
:$ 8;K<M(' ;NQ' 1 -> ' ,, ' C@ > @' +-' ,, ' D- A' AD' -C B J'
+B@' B-DDG C-E@D' . -DD@ ' O A > ' OK=Q' : 5#A 9' ? '
- * '8@D ' L(' ' MM;' / @ E>CG' ' +' +B@' B@ D' - ' B +' '
,,@D' +B@' B-DDG' +C D@ ' $ O' 0' 8 $ ') &1 & 0
8;KKL(' ; ; O;N' B@ C' ,0 % ,G,@' AD' $> U A a' , ? @A+ + -A '
' - @C' ' -C,D' B B' ' >JJ- @D' +-' B @' . -A@' ,+- . @+B@C'
B-DDG CD

" @A @' ! B - DDG' " ' ' +-' -A @C+' A+-' B-DDG2'

! E - 'DDGD - ? 2' +B@' B-DDG' , 2' KB- DDG b ?

JC@+@A+ -> ' A, . C +G' - ' +G,@ ' ! ,+- DDG,+@2' -C'

B - ' D@ , ' A' B-DDG ' , -2' -A@' - ' +B@' B-DDG' D

; ^;' : ! M' &' 0' $1&) ' ' LL' 7 B ,@' - - ,@A' A'
@ @A' -++-A' . - -D ' J' E@' T KB-DD @D) A-' > @' ' ? D@' 8
+B@' C@ > @' ,U B@C@' , ++,@D->E+' +B +' "U2, U@' -++- '
->,D' E@' B-DD @D ' ;KMP' $!!" ' !0' ;K' JC ' P' B '
EC A.' E->+' ' .@A> A@' JC- J@C +G2' A-+' +B@' + + -> ' ., '
- ' -A+C +-C ' AD' B-DDG +@Wb' S ' = ' ' ' ')' '
% .$ (' 0' & .'MC' ' ? CE,@' J , @' +B +' ->,D' ? U@ '
) -DDGD - ? 'C@D' +B' @- G ' ;KQQ' F ' : ' O ') '
8@D ' O(' 'OMQ' B@' $> A' ? @C - A+ ' ,- @' - '- +@A+ + -A'
- ? @+B A.' @A+ C@,G' D @C@A+' C- ?' A., B' A-EE@CG' -'
? @C A') -DDG ? ' % <' $ * ' $ 0' - 2' KO-G'
6 A -C+>A +@,G' A-' J C+' - ' +B@' -C,D ' ' E -,>+@,G' C@@' C- '
+B@' B-DDG + 2' +,) ' - UA@G2' AD' +B@' -E

! B - D D G ' 2' $(' ^ ++C E2' > @' - ' ! " # / / 1' 10' L

2' # ' ' J@C -A ' B +' JC@+@AD ' +-' ' >J@C -C +'

+-' B B' B@' B ' A- ' *> +' , ? ' D' @ J ' - ' +B- '

B- ' , ? 2 ' +B@' .C->AD' - ' @ ,+B2' ' - U'

+ + -A' -C' 'D@.C@@' - ' A ,>@A @' +-' B B' +B@G' '

A-+' @A+ +,@D' EG' @B C +@ ' -C' E= @@D ? .

A' +B@' 6 ! ' +B@' -CD' @@ ? !' +-' B @' E@@A' C +' > @D' '
C@ @C@A @' +-' +B- @' B- ' ? D@' -C+>A@ ' EG' C ? G' -A+C + ' &'
+B@' + A+@' - ' +B@' % ,' 7 C2' +' EC A. ' ,,@ .@D' +B +' +B@' ,-+B A. '
>JJ, @D' EG' +B@' -A+C +-C ' -A +@D' ?) @,G' - ' B-DDG
;N) ' &% ' < !&1 ' L;M= ;' 8 B-CA+-A' - 0' < !& ' B@'
AS @+G' - ' +B@' T' B-DDG' ' J-,+ A ' +-' ,' +B +' DDC@ '
;K) ' ? & &' ' 8 3 (') ' $ "' (> ' 5@E ' O L' B@C@' C@'
B-DDG' , G@C 2' B-DDG' D- +-C) 2 B-DDG' B> E AD ' AD'
B-DDG' @ 2' AD ' -C @' +B A' ,,2' +B@C@' C@' B-DDG' A@ '
J) C ' B- @' @ J@D ,' E> A@ ' +' ' +-' J> '>J' ,,' +B@' B-DDG'
A' +B@' -C,D' AD' @AD@ -C' +-' ? U@' +B@' J@-J,@' E@, @ @' +B +'
+' ' +B@' .@A> A@' C+ ,@ ' 4KMP' $ 'K' : >,G' LM B- @' B-'
B @' E@ - ? @' C B' EG' AD, A.' +B@' 6 A +@D' ! + +@ ' - @CA '
? #A+' D>C A.' +B@' % ,' 7 C' - ? J- @' +B@' T B-DDG ' C +-Y
C G ' WK<N' " - ' \ ' ' 0' & - ' =L=' B +' C -D) '
) ->C' - ' - @+G2' ,,@D' ' % -CA@, > ' % BA

/ 2' # ' ' +B A. ' " A. ' 'D@,> @' JJ@ C A @' - '

>J@C -C' I> , +G

KK ' $!"' !0' OQ' - 'P' ' ,@@+' - ' B J 2' B-DD @C' EG' '
B> DC@D -,D' +B A' +B@' B - DD+) ' - '+B- @' B- ' ,- +' SKBC
! ' % ' ! + U') ' ! ' *' ' ;M' 7 B@A' +B@G' E> ,+'
+B@' B-DDG' -++ .@ ' G' D-V -' +B@' E ,,] ? C@' +C J ' +-'
+D ' C@A+

K ' # 2' J@C+ A A.' +-' -C' D@ , A.' A' B-DDG' . - -D

+W =' ' A' $!"' !0' WM' 5@E 2' ! - ? @' B-DDG' >JB-, +@C@C'
B 'B@C@' @ D@A+,G' B D' ,$ ' 1!$ ' , (AD' +B@' C@ >,+' 2'
. >DG' > . , A@ ' ;KQ=' # , ' ? ' ' ' %' 5@,+ A.

" @A @' ! , - DD,,G' $ ((' ! B- DD A@

S) ' : ' $ ' ' T' ? &&.32 & - ' ;OO' 7 @' E@. 6 > ' EG'
+ ,U A.' - ' +B@' B-DD A@) ' - ' +B@' .@ ' ;K<<' I ' % # 7'
!$' & ' 0' $ ' ' ' P< 5B@' I>AD >-A ' 7@C@' \8' B-DD ,G'
-A +C> +@D' +B +' +-' JC@ @A+' + ' ,, A.' D- A2' +' B D' +-' E@'
J>,,@D' D- A

+ ! B - D @ ' T' 5 -C ? ' ;' ,-DD +2' =' B-D8@2'

-E- -D2' = ' E-D@ ' ^#5 ' $' U) ' ? J C @ Y

B +-C 'T .$ $'Y (' ' @A+2' C- -+' G .$ 3' +-' D D@ '

@@') ' ' 5C- ? ' +B@' ? @' C- -+' 8-C' +B@' J C ,,@,'

-C ?' C@' 3 / A ' ' 8 ? -D / >2

! ' , !&(' 3 / > ' , . !' 8 ? -D / > ' , +(' # " '

, 1 !$' 8 ? -D 2' , 4 +' C- A' - ' +B@ B@ D *

' ' B@' C- A' - ' +B@' B@ D ' +B@' J C+ A.' - ' +B@'

B C ' % 2')' 3' O

,'S- - -' 0' C (' S , 'O;' 5@ S@ ' D A' ^ ' , - ' ,$ * !! H0'
4 ' <) "' $ 2(' Q) O<2' \ ' ? -+' B ? ' A' E@' B@>@D' B-D '
QSL<P' < !& (' (' ' ? 11 2(' A' 7 C .B+' &, 0' ;==' ' .C@ @'
D@' ? ->A' B@@ ' !& ' +B@' B-D' - ' ? G' @ @DB' NSLKM'
B ' V ' ! ' (' + =<' B@' A G,' GDCG>@A' A' +B@' B) @'
0 (' B-D2' %B- -D2' @ ? -D@a' ' AG . B+ ' ;= ' &,T' A' 7 C '
7 >, U@C' PQK) =N - ' (' J@' B-D@' - ' +B@' E@D
O ' ?) . ' C D . @2

8 LLN' (' ' !T' ;=KN' - ' +-A@ ' B U@' B ' ->AD@ '
" @ ? ' E +) >' ' .C@+' B-D@2' # .) > @, \ @C) , -CJ +B @ ? '
B DD@' B +@D' +-

* ' C A+' - ')

! B - D D C' 8:) D ? ' < &! 3 $ ' (' ^ D ' 5 ' , $) 3'

(' , $) D!' B@' J U@+' - ' U > ' A+-' B B'

+B@' . - ,D' + U@A' B-CA' +B@') >+ B ' ' J, @D' AD'

E@ +@A' - +' OV@ -C@ + ' A ,' E@ + A.' A' +B@' T ? ->,D' g'

" @A @' ! B- D@C ' 1 (' 10(' A' & ' 3 $ - - (

K>%J' 9 ' 8 Q ' & - - ,(' C !* ,* ,&3 , '0 =Q' BC@@'
B ? ? @C ' C@' @ ? J,-G@D ' +B@' + +2' ,,@D' +B@' >+ B' B ? Y
? @C ' +B@' @ -AD2' ,,@D' +B@') - @C A.' B ? ? @C ' +B@'
+B CD ' ,,@D' +B@' . -,D' B ? ? @C2' -C' A B A.' B ? ? @C ' 4KP4 ='
& - ' & ' " , 'E %%) !' '8 KMQ(' Q<L O' B@ @' 8J @ @ '
- ' . -,Da' C@' J>+' E@+ @@A' +B@' ,@ @ ' - ' A-+B@C' +- -,2' ,,@D'
' A-D@C2' ? D@' - ' . -,D E@ +@C ' U A2' (((' ' , " , ' ? '
4 > ' ONO S' B' ,@ ' ' +B@A2' >+' A+-' ->C' J @ @ 2' AD' J>+'
E@+ @@A' +B@' U A ' - ' ' B-D@C ' -A+ A A.' E->+' QON' U?

! B - D@C2' -E ' - A' - ' B .) !' B)) I

+ ! , # > A . ' 1!0' 10' 1 0' A' P' B-DGA . @ '

^C@JC ' # ' 4%+P) ' ' M ' ! +0 / / 9#' 1!0' ! a'

! @J C + -A ' J C+ A. ' - ' +B@' B C

%;==N' C & - *0' C$ 0' ! @E-DGA . @2' #C' D@J C+GA . @2
*$ $, & ' 0' ! @E-DGA . @2' - ' +E@' B @ @ D @ 2 ' ' 0

! B - D > C2' -E ' -C ?' - ' B)) '

! B - @ ' 8 : b(2' 10' & ' B - @ ' 8: X(' ' $!0(* & 0(' AD'

$, (' B - - A' 8^b \ (' &- ? ! ' ' 0' ' - ! B2' -D2'

@@D2' O -@-B2' O M' B - 2' L' - - 2' =' - 2' L M' -B-2'

M' -B- -2' = Q' B - -2' 8=' B- (2' M' B- 2' B-@2'

8 B ->. B(2' M Q' B@ 2' M K' B- -@2' M ' B-@2' * 0' $0' ;'

-D 2' ; O' @@D 2' = Q' B- - 2' =' B- 2' P' -B- 2'

-B-G 2' -B-@X2' -B@ 2' P M' B-G 2' B@ @ 2'

B- 8@(' 2' B- G 2' B- -G 2' B>@ 2' E> @2' E>@X2

M K B- -@ 2= B-@ ' ' L L' -E-A2' L M -B-A@2

[illegible]

! +'?'*(GD +-' # @A -C @++ A.@ B--@ \' '!+
A G@ J,-?J@ SS * P<< ,,/ ?,E!&! &! "' 5%& '83 \(2
?JC ? 2 B--@ -C +B@ J,>A)*@2 S)2
4=<! &G,@ B-A@ @@ . Da2 V 0 C "
&) ' , ! ,& LON B@ I>B@, . CA@ + +B B-A@ AD
+ - C-" -A,G2 ;Q<4 " &' &0 e K;2
; B D --D@A ?@ >C A. C-D +B) -D +B
C->AD@D @AD -C B-@ - C-A ;2KLQ) ,
6-!L LL ; ,, +B@ J ,@ C@ +- E@ B-D +B JC-J@C
C->.B+ C-A B-@ 4KPQ & . * B & - *T $ - $'>
<) LN B@ E- + B--U -A + A +B@ + +D B-@
D SMKK - &) " A+ L=N O B@ J C+ - 7 AD
3 ,, B@ !B-- -C !B->.E2 +B@ %-? EG + B U A. DC-J
D- A A+- +B@ 3 ,, ;KL< X T)=< 0@,- +B@
B-JJ@C +B@C@ ? ,, E> U@+ ,,@D B-@2 A+- B B +B@
-C@ ! B U@A D- A
@ ;QK< C !0 $' (4 ;MM B@ E-++-? - +B@ @ J+J@
+@C ? A +@ +B B-@ - ,@ D ;K<< $!" 2 ;N # +
M M 7 +@C J J@ +B B@ D AD B-@
;KLQ ,$0 $ ' '0 ! .(' , " , !(LQQ B@ B-@
-C U D ->.B+ +- E@ -?@ B + EC- D@C +B A +B@ + C@ - +B@
B@@, ;KQP : 7 (, 0" & +B + J C+ - % C
EC U@ B B EC->.B+ A -A+ + +B +B@ B@@, A) @
+ - +-JJ A. +C A 4<;N ' 0 , (' ((
? $. & (+ C-A -C --D@A E,- U B B JC@ @D
. A + +B@ C ? - C B@@,2 -C . A + +B@ +C U C , +-
C@+ CD +B@ ?-+ -A - +B@ C
. ;KLQ ' ' '0 ,.(' , " , !(KNP B
D -A 8- 0C>A@ ' +>AA@,, A. B @,D(>JJ-C+@D EG
+ - +C-A. + C-A J, +@ 2 ?,@D B-@ 2 AD 7B B C@ +
>J-A .C @, + +B@ E @ ;KPP A $ * % $ (= 7+ : A
OLO O " @C E- C @D ->+ - +B@ +@C ?C@@ -C ->C
@@+2 B@C B-@ + U@A - B@C U@@,2 AD B@C U@@, + @, >+
+BC->.B ;KQ< ' , " , !0 ? (4 O=M O B@ ,- 7@C J C+ -
+B@ +C , B@ D +C .B+ AD , + + ,,@D+B@!B-%
AD +B@ J C+ B B , D@ - @C +B@ .C->AD
B SK K . " ' % ?) ! >C , < !B>++@C B-@ 7 +B
C@ ;KQK L : 1 $, ?&$ $! ' M 9 &
-C & (C-A J, +@ C @++@D +- +B@ @AD - C@ C . . A. +-
C@ @ @ B U,@ E-,+
+ ;QPN . . 3 $ $! 5*& ((!B-@ -C A A B-C
? D@ - & @ @ - 0 >,U2 -A@ AD >+ +B " -,@ -C
+B@ 0 ,, 2 AD +B@ -+B@C +B +C A.>, C 3-+ B +- C@ @ @
+B@ !+- U ;QM< - . 0 $ ' 8;QK<(2 & & %
" $ ' , & (? ,, E,- U - --D2 B A. ? ,, BJ,@2
> @A+ +- -A+ A +B@ J- A+ - +B@ A B-C ,>U@ +
> @D +- JC@ @A+ +B@ A B-C C-? +@ C A. +B@ J, AU B@A
@AD A. -C D@ @AD A. ;KMQ A E &C & L..(
: 4K=L *0 ? 0 &,0 ;;O B@ C ?@ + AD >J-A ,@)
C@ + A. >J-A J -> B-@ ;KKL ($-$' *
8@D M(9# B-@ J @ @ - --D E->+ ->C @@+ 8)
+ - @@+ D@2 AD A A@ A B@ +B U2 +B E-,@ A +B@
@A+C@ -C +B@ B@@C +- +@J A 4K<= - OM 5@E2 L M
B@C@ @C@ A- B-@ +- JC@ @A+ J-,@ C-? , JJ A.
U ;M=L (' '(W , 0 " - !0 O=O O B@ J C AD)
^C +@C a C@ ++@D A+- + C-A B-@ C@ + A. -A +B@ ,,)
;KQ< $! , . '0) ,0 ;PM B@ +C A A. J @ @ 8-
+C> a2 + +B@ C ,- @C @AD C@ ++@D +B C->.B+ C-A
B-@ 1 0(+ C-A D->E,@ B-@2 - B-> A. -C +B@
C@ @J+ -A - +B@ >JJ@C @AD - +B@ JC A J ,
: ;KQ=) 9 . *0 ' =;N @CG + A.2 > B
B-@ -C D @2 A +B@ E ++@CG >,, - , SKKS
' ' <!& 0(& 0 J @ @ - C-A - +@@,2 ++ B) +-
+B@ E-++-? - $ - * -C -)!! (+ .AAD+A. #C@ B@
B-@ A E@ C@J, @D B@A -CA ->+
? SKMM & ' 0 $ 0 !@J+ L=K + A- ->AD ?-C@
-A @A @A+ +- ? U@ +B@ B-,@ - +B@ : C@@ B CC) @ ?) +
@J C +@,G2 AD +B T E#@ C@ @D A+- +B@ E! ") @AD -
+B@ E CC@, ;KK; < <) ' 8;KKK(;=; B@ * B-@ - +B@
EC@@ B CC @ +B A + +B@ G, AD@C -C EC@@ B J %%@ 1 (
;=O A C-A C ?@ -C B-@ C@ @D -A +- +B@ E CC@ B@
EC@@ B E,- U J, @D >))+B B-@
A $ J < . <!& 0 &$!- ' ' (& (+@@, -C C-A
.> D@ ,S@D +- +B@ @AD AD D@ - .@ 2 +- + AD >A
>J-A +B@ -AD> +-C 2 ;K<= & .) - 1! 0 <!& (
- S) - OK !@J+ ;L M B@ J>,,@G B E@@A E A
D-A@D A ?@C E@ A. A @C -C +- +B@ +C-,,@G -C , D A.
B-@
J ;QNL A : 7 B@@,@C $ $ ' ' ! ' - 4?9 `
L<Q #A@ " >ADC@D B-@ - .-,D2 -C - ? AG +B-> AD
& .-D -C $>J@@ ;Q " % Q I $ - ' $ H
;LO -,D ? U@C + ,, +B@ -,D2 +B + -?@ +BC->.B
+B@ C " AD 2 A+- !B-- - E->+ ,- ,@) B+2 ;O -O)
D + = .C 4<44 & ' - *(0 - QNP %B A@ @E,.B
- , D AA-+ -E+ A A >D @A @ + %->C+ >A,)
@AD A>?E@C - T B-@ " - , @C +- A ?J@ ,&C A @'
M $ 1(AD & - 1(? J,@ 8 @A W
;(& 31&5(3,!$ *(!(%3. ' &!% ^% - $ % 8! (2
11&'(3 & F 1(;P(2 3 &*(3 &! (3 &
86 ! (2 3 $*(3 $ (3 *(3 &*(& '(, - A
+B@ A ?@ - B-@? U@C " +--, 2 & ' * * (
* B) (* ! 8 @A @ P(& 3* , (3 $ (
SKM- &' (% 7 U 80-BA(=LN CG
@ ?@C G2 .--D B-@ E-S ;K<Q - / <$0(9 5 E SO 2
+B@C@D E>A B , C.@ @A->.B +- A@ C,G ,, A -CD A CG
B-@ E-S 4Q<Q " 0 &1 ' & ' % , & " & % %% ! P
!B-@ , J2 AD @ , ? U@C bSM $' (<&$(- P=MM =
? DD,@ X@D 3 A 2 ?@- A @ + @.2 B @ + 5--+
)!B-@ B@@, B , F> C+@C - 1 CD B .B 4QMM & - *E
C$ - & ' M 6 = O !+C-A. B-@ B@@, C@ A @ @
+- +B@ @ U B@@, 2 AD @+,- U - B-C @ ;QQQ !+ $?
* & ,$ 1& & B + B B +B@G 6 J? ? " @G2
+- E>G @ @CG+B A. 2 D- A +- +B@ C @CG B-@ UA-+ + G
$!& > & 31.0(& 3* , (E- CD J, @D >AD@C
+B@ B@@, - J C -C -+B@C @ .B+G ? 2+- @) @ D@ U
A -?@ @ A+@AD@D +- , J +B U SG. ! G+C 6 " *
$ (SSS 8;QMN(SKM " B-@ C EE-A C@ , -
@?EC- D@C@D ;QNM # B C C B(S 2 B@
@CG B-@ C- @ -C @+B@C ,@,D @C@ .-+ EG JC-SG ;K==
0 ' '(, 0 " ' !0 ;;O ; B@ B-@ @ + -C
E @ - +B@ C + @ A-C@ D@@J,G ?E@DD@D A +B@ --D +B A
> > , ;KL= = = 6) !!$!@C K B@ C
AG?JB - +B@ B-@ B-J 3 8$-,, (
L<P @C- > @D@ ?- -,@ - " @C2 SKMb 8 .
? !&2 C(!@C A+C-D &) (5-C B@ @,+ C+ A
>C@ B@ D -?@ / - A +- B@C @CG B-@ -,@ S0+. ?& &'
83 (,(8;<NK(4 4 4 ,, K= B@ -,D - C B-> @ D
- A A. B B-@ +-C@ ;QQP !T & $*(0 0 +C A.

B) (8;KQK(;OL @ +-A -C +BG J AA A.2
,@ >@ 3 B@, +B@ +-+B@C2 -C B-- +BC@D 0 #
! ' & '0 !B@ B J@C>U@2 +B + , U@ J->AD -
B@?J@2 A D@ J A B-- +BC D 4KPK!;33# / !
& 3 $ $. (;K<Q - . B $ $ * &
M= 5C-? +B@ E + - B +@ AEE-A + +@D +BC->.B B@C B C
+- +B@ A-A -?? ++ , @SJ- >C@ - B-@ + J2 ;MK< , & >
6? .((!$ " 2 & 8;<;N(K< 1 OQ) - 3 C B A- +- G
B--@ +-J ;KPN 7 .3 ! T & 3 $ (+B@ +C D@ - ? U A.
E--+ AD) -@
!$!5 3 !5$ 3 / & 3 !&)
) $./3%$, & (3 (3 , (3 $-* (32 $ (
T2& . H & 3 &! ' (32 $ ' T(HP,L W & 3 '1& ' (
3 "! ' (3* ' (3 2 ') ? . 7
0 , 0 % _b]$
L/ L (B *) 0 WK F>B , JC-JB@+@ C ? D
- A,D C 2 B- ,->+ C ^@+ a 4KPK (
$ (T & %$ & (E)@ ,@ D@ ,@C A B-@ ;KKQ
C $!! $!! < $0 0 ;< - M O 0--+ AD B-@ C @++@C AD
A B@C ;K=L . 7 , 0 % " 8;KK;(<* B @
B D +- J G .--D D@ , A E--U 2) B-@ -, A.2 ?@D A@2 @+
+AJ ! % ! $) $ ' !) > OM 5>C+B@C2
- @C +B@ " >A+ A.DDA B C@ .C->AD2 7B@C@ +B@ B-@ ++ B@C
B @ @S+@AD@D ;KLK (2 SS 2 " @C@2 +B@
,-+B@ ? A2 +B@ B-@ ?J@C2 AD 8B@C . ?@C B A)D J, G
+B@+C .--) ;MPQ : 9 , 1 # (' 2 ($DC
L E2 B-> " + @> + +B@ !B-@? U@C2 E>+ C + .-C
+B@ !B-@ @ C@C2 SJ-) ' % $ 0(4 4 KP= O
+@C G@ - -A + A+ B-@ @ C A.2 +B@ .C @, B>C+ B@C
2 * !$!* . $
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6$!$! ! / ! & 3
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! !) " % b . D & 31 ' " (
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> ? ' D !) "S $. D !
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1 $ &0(1 D $ BT 1
D 4 $!0 Q & 3 ' T(!
1 / 3 1 $ ' *
+ Q#T (+*(+V + 'G J$
;KM< QL $: - 9+ $! ? . 0 ? + P< B@
7B ,@ B@ D@D !+-CU) -C !B-@ E@ U 4? $E ' , * 5+(;KQ=
+C ? ? 3 % ;<; ?$! ' , * 5(+B@ 0--+ E ,,2
-C !E-@ E ,,2 +B@ C E +C E@ - + + !->D A ,, 6
SKKS ' 0 ') ! . 8;KKP(-S , ? A> +>C@
!B-@ 0 ,,2 %>++@C ;KN< & ' 2 & ! 2 & . , & "
!B-@E AD@C ;KPK) ($ (31 ' (
@? ,@ B- ++ B@ +B@ ,@ +B@C -C C EE-A E AD+) +-
B-@ ' 0 ') $! & , (8+J,-(O--)B-@
E AD@CG ;KLL . 0 I> . $ $ 0 2 3 A
B D D-J+@D A @ C,G , @ +B@ > @ > , J>C > + -) B-@ E AD A.
SKMS ; " * (@+ =QP ! S B-@ E CD 2 - ,,@D
EG +B@ C E 2 -C C-G , E , @A @J % &] $ Q
- $ ' * ;PM T & (1 !& , . C@ + - A. ,@ E,- U 2 >+ A
-, D J @ @2 +C A @C @,G +- @ B -+B@C ;K=P < !$ ' , $
' & & % ' $
B B +B@ B-@CE +

S2 -? +D- A -A +B@ B-@ E- CD2 B ,@ +B@ -,D ? A
+-,D B + ,@ ;QL= 8 6 $ * > 0 > 7U ;QPP
C ;LQ @?J,-G B-@ E-G2 + A @) +- BE DY
A+ .@2 -C +- ?G- A -A @A @A @ S,+@- ' 77 A ? $,)(
$ (L<O " @ ? U@ G->C B-?@EC@D -S -?E ,--U
B-@E-G BBO % !0 S 4 , ;O B D-A@ +B
+@C AD + B-@ EC> E ;=KL A & . " 0 A CDD
7 ^ B- @ +B +a ? U@+B B@ B-U@ -C) B-E U, @ ;K=K
$ ' 0 $ SSS S2 , C.@ J?C - J +@ B-@2
E> U,@ 2 KPK) 0 $ (T & 31) (+->+
,@ +B@C > +@D -C -,@ ;KP= $! !>$+ ! $ ' ! " &
SSS 2 A) B @ -C -A@ D@2 AD B-@ @ -C
+'-+B@C 4QLP - ^ " & [0d L ' > "3?& " > ?) '
++,@ J 2 &C-J- , -C ,@ C A. +B@ !+C@@+ - +AM @ @C? A
,,'D !B-@ %, A@C ;QSM < $ AD@S2 !B-@ C
,@ A A. O-G K S V - !2 0 SS B + @CG ,- U
EC> B A.2 B-@ ,@ A A. @,,- ? G ,-CD' , U@G S= W
P)% - 1!" & % < & ;OQ= !GC G@ D- ?@ C-A.2 +- J>+
+BG C@ +>C@ +- + @ B@C AD@C,- +@ E + @C@ + G
-C B-- ,- +@ ;QN (= $ ' 0 (? + U
8;KPO(MSL !-?@ .C@ G D B ,->+2 -C -?@ D C+G B-@ ,->+
;<N< ? & & ' 83 ($ ' , * ;< :>,G ;= P B@ + -A ,
, +B@C AD !B-@ 5 AD@C ") + - 4KLM A - (
') $! & , 0 LQ !B-@ AD A. 4KL= 0 4+
$ ' ' ONL B@ 3 , G > @ +B@ ,- @C - +B
BC>E -C ,@ A A. B-@ B JC-E E,G +B@ > @ -
+ E@ A. ,,@D +B@ B-@ ,- @C ;KP< 5 ! L I & ' (
- & ' T $ $!0 ;MN !B-@ " C 2!B-@ 9A @ 2 S)
: 7 (, 0(T & 3 $ - - 0 ;KP< !BI@ UA @
8 @@ & $ E- @a2 S) G ' L 2 B-@ (@2
' , . & 3! ' (& % , & 3 - 0 1 0((B-@ +2 '
, . & 3! (OKLL 7 , & ' ($) %0 S 8@D L(;NO
A A +C> ?@A+ JC-J- @D -C +B@ J>CJ-) - ? U A. B-@
, + ;KK= 8 $ &2 ;< !B@ A@ +
AD ? C+2 D- A +- +B@ @CG B-@ + B ;PLM .
$. Q 7B b B>@ , + B@++ ? A-+ -C+BG +- +->J@
D->A@ AD A,- @ S.. 3) . < ' 0 S OQ B>@
, E@+ SMSS . 1 ;KLM) (8;KKP(
;<O2; B ,,@A.@ ,, B B-@ , U@C 2 ,, +B@ E @ -C B J2
J@C - + @A+G +B-> AD C@ 2) +- B- ?@ ^@+ a) SK -
$ $!(' - $ 0 5 1(SS PP B . -,- B J>+
-A +B->+ +B@ D -) B-@ , + ;K=M 7 : 7 A ')
D $ 00 $ 0 (4 ,,, 2 z9 A +B J@ @ ^- & 1 $(
) !$] +B@ -ADG,@ J, +@ C@ ++ B@D +- JC- @ 2 B B2
+- > @ B-?@,G -?J C -A2 C@ @?E,@) B-@ , +@C 4KPM
] C - $ ' & ! ;LM B@ B-@ , +@C " U@ JC- @ 4K=4
C ' ' " " , !0 4 4 =)J m!B-@? U@C' -CU?@A a B@
B-@? A -C ? U@C - +B@ -,@ J C+ - +B@ B-@ ;K<<
' 8 . . $ $ " P< B@ B-@? J2 +>CA A. +B
J C - B .B B@@,@D EC-AX@ !, JJ@C A B B AD C-?
+B@ .-A KK; ' 0 ') ! . 8;KKP(QM !B-@
3@C @C2 !B-@ 3@C @CG 3 A> +>C@C ;KML $ $!0 ' Q
' $!0 5 1 0 SS =K , + 7@E 2 AD E-@
?@C @CG2 %QLP & *) < !& 0 8 " @ @, (% =KN !$))
, $! $) -BA@., SKM@ 9 ! & 3 ' $!(A ,
> @D A ? U A. B-@ SKM- 3() . . < $, 0 OK 3G
.> D@ C + +C @D +B@ ,-J@ ,-A@ E + A. +B@ @ +B B
B-@ A , ;KL= : ' Q! . , 8;KLP(QP @A+,@?@A
DC@ @D *A B-@J U 2 ?- -A 2 ,@ +A) EC@@ B@ ^@+ a
;KP= < 8) $* % $* ;L B@ 1 AU@@
B A. B ++,@D , C.@ ,-+ - >A ,@ E,@ B-@ J@. A+-
?@,-A @)D SG . = 3 . . $1! & % ? 4% (#+ OQP
%-E,@+2 + B@) >A - CC AD B@A B@E A- -CU2 -C
? U@ EA+ !B-@J A 2 B@ $@ @C @ +B@ ?@- AD> +C ->
<N= % ' . C & (. *1) ! 0 ; 6 e QP Q< A
- +A. @ @, +B@ E-++-? - +B@ U@@, .C D> ,,G @ C
G + C@?@D @D EG ++A. CL -@J, +@ 2 (0 4) J@D
J, +@ @?EC A. +B@ U@@, ;MSL 3 3 $, ($, (
O =2 !+C J+ C-? -J +- #@2 # .>,DD @ >D@ 2 # 5 @
JC D@2 !E-- JC D@) 4!<= (E ' %& 0 $ (9 2
, +@ B B @C>@+B E ? -C B-- C . ;K=L ->
/ #)1) 1$ ' & 0 QM< &-C+ E,@ E-@ #C J@C - +
+-A ;MLW & ' $ - , (;NL 7 @@ JC@ @A+ 5C A
@ G 2 , E-C@C2 -C A. @ +B@ +C D@ - E-@ ? +B@ AD
A-++ E@ A. JJC@A+ @ 4K<M B ' !$ ' > $! '
7--D C + AD ? -ACG2 !E-@ ? +B -C B@@, C .B+2
,, C@ -A@ +- B ? ;KP) I) ($ (T & 3
& ' (B CJ@A A. -C @++ A. +-+,@ -C +B@ > @ - B-@Y
? U@C 2 E--U E AD@C 2 \ S!G. : 7 I 0 , 0(
GT & 3 , (A @SJ A E,@ , + -C D +@AD A. B-@
MSM $ $ " !- (2 ;PQ J= C@ ,U . C+@C 2
+B . ->,D C A.2 AD B@ +C A. ?@2 SG . .
A) 5(+ 8;KNL(=N !B@ + A-+ -C+BG +- 6@ B@C
? *@ +G ' B-@ +C A. ;);< 0 # $ ' &) & %
) - 0! ' , (8SMD-(O2 O>+ +B + $--U@ A @ C)
G CD@ - B--@ + @2 ^@+ a B->,D @ + " >?-C2 #2 +
?-C@ +B A ?- + C@D >,-> 8;MNL $ 0 % & 0
B 2 SK B@A B -@ @ B@@C% EC >@ 3 !E--+ @ +B@ .C@ +
C >@,,@C a SMSS ' ((2 M;; ,D>@2 !B--@ +G@2
OC @,@+ S!. ' 8 (2 , (& ! 0 O< 8!B@a
E,> B@ C-? +-JUA-+ +- B-@+ @2 -A@ >A @C , C,@+
;KML $ $!(' E ' $ 0 5 1 0 SS PM O--+ AD
B-@ +C@@ 4=KM ? . 0 0 !1$ ' 2 &,- U@ -
!B-+>CA@C 4KPK . " ' > ?) ! C , ;NN -A.
!J AD,@2 -C !B- , @ ;KQP : 7 0 , 0(
& 3 $! (, @ + +B@ --+ - J>?J +- U2 -C + +B@
E-++-? - C@ @C - C ;MNQ = $ $!0 MN
--A@) AG AS>,@ DC >@A A2 G-> B ,, +>CA@ +B@ J- A+
E U@ . -@2 D- A@ +- +B@ B--@ ?CD 4KP= $ ' '
& % - 0 ;ML " @ ,--U@D >E? -A +B B-@ CD @G@
SM-S (. A!& ` 0 & $ ' . " - 1 0 A $ G & !!0 ;=K
!B -@ B A.2 , & $0 ;K<= & .) - 1! 0 < !& 0(3
2 $ ' (&) 32 ' (E--+ , @2 B-@ +@ 6 > ,,G
,,@D B A. -C E A. ?J) ;QNM 9) &&
& ! (8;QNK(;< @CG B A. + C@@ %- +2 C-?
!+@ CD2 D- A +- !B-@ 7 J@C
(7- ? / 0 %(* (< %(LL4- =67<
67-< ,?(</ 701=F E =7<=(
=7<=-(=D-<=(=7<(=7-< =7-< (
=-6-7 =67 # =D67+- # ! =677 =-67
=67W , =767+ / ! =677- =67E- ,<=6E
=D67- =76E- =E- =-W/ @ =67- 5
=7<<- =77 <- =74<7 # =767<<- " =67-< QC
=67< 5 , , 0 ,&7/=7<< ,=-/=7-<< =77<
=7< 4 =76E< =77< # =7677< #4 =767< <
=767< # < =67<<,- ,# =677< =7677</ @
+ =377< + =767< =767<<- = < =67<- K

B--D@2 B- @D B-GD2 G E- D2 B->D2 G < B- D2 8G2 < &'0 B-DD@A (2 = B-D ^#) , $'(-CC@ J +- 3 , & '(, & '(, & '(/> , & '(# " , 2 '(,)& $' 83 " , - '(,)&'(?-D ,) '+(# . $)3! .&$! 2 / & + # @A+ T . &B$'(T . &3 10

B@ D->E, A. - +B@ AD +B@ -A @I>@A+ B-C+@A A. - +B@ - @, A 3 ,.& J + 2 & J JJ,@ 8 B@A @ +B@ ?-D & J + AD J JJ,@ (C@ A-? ,-> 8 A #0 @S ?J,@- >C A 7>, + A J)L26A @-DD>? -+>? (% - % 0 .& J + 2 AD ! .& J JJ,@ B@ @ J C ,,@, +- +B + - BE % C-? - . 8 B@C@ ! , - B +B@ -CC@ J-AD A. .@? A + -A(

$' 0 - J>+ B-@ -> 8-A@' @@+(+- J>+ -A 8-A@' (B-@ +- ,-+B@ -C JC-+@ + +B@ @@+ +B B-@ +- JC- D@ 8 J@C -A2 -A@ @, (+B E--+ -C B-@

, I ; .6) < & "> C$ 0 % == ! @-)@ +: @- C@ @++b X---; .6 < $-(SS 8[(;PK $!, & @, ,$!, & - @ ?@ S--- & '0 8 B (LKO !@ @A.@, @!2 0@.GCD a q(AD @-(V@2 AD G, ?@ $;OOP % 0 C (;M &@C -++@C B@- AD@ -> \ ,-) AD@2 ..@ & +@C -!+@C \ %C@D-2 $;LNN $!&. ;;LK2 A@ ? G B C@ @D@ A@ ,-(V@2 A@ B- ;LMM B & - 0 & K=O AD B-D E@ 7 +B)--A D@ -J@D(AD +B , ;LKQ O 3 8$-,, (=: B@G .--:V B- @D AD B-D L)] ?$ 0 C 0 0 S S@ 8;=<P(K=O # +@ J@ B--+B@?Y @,)+B B--A +B + B>A+@C ,@>@ A @C+@A J,)) ,G,G ;PLN - . 7 QN= B--A@2 J>+ B-@ >J-A E @+@ ;P<< = - $ 0 ;L ^%B > @C A ?@(.AG G A.@ -A@ B- B>@+B -C B-- @+B ? AA@ ;Q<= % 7 C - 6&,. " !)1 ;<P %) @CA?@A+ AA@D)C@ B+ @ +B ,, +- U@@J +B@ J--C), - @@+ JC%)@+,G B-@D S\ M = ;)H 0 ! 5& B@ B-@? U@C2+C @, C-? B-> @ +- B-> @2 B-@A. +B@ ??,G SK) 6 2 $ S O= !B-D +B A- B-@ 5-C+A +- B>A+ r @A+ %B E E- +JX- $ &' L< :>,G M== ; 7-?@A A@ @C ,@ CA@D +- B-@ +B@? @, @ +>, +B@G +--U +--J, G A. ->+D--C . ?@ +B ?@A C &$ $!0 $/I#' 8)C & 0 2 $ 8;OMQ(O>+ B- >C B-D 2+??+B@ B-@? U@C G@ ;PK; - +C <)$00 > 0 &' 0 ; 8;PKM(.- "@ ->.B+ +-)!+-J B @ C@ AD +- ,U@ ?-A. ++B@?8 +B@ G A. (B--D ?-A. +B@ +B-CA@

/ -JC- D@ 8 B-C @2 @+ (+B B-@ -+ B-@ 2 , - +B)*0 & $!!' &) ' -?J,@+@,G B-D ;ONP OOO<; "@- J@D@A B-C ,@->@ B@-! @ @A @- - D@A H, ;OQW AD -D@ B C@ +@D@!* ;) Q 3 3 8$-,, (L<P "@ B-DD@B ?>,@ E ,@C ;=LP & " E1.(;KP B@ ?G+B@ B ,, B- +C +?.@C B-C @ @,, -A !-AD @ -A -+B>C @U@ D G 2 J-A +B@ J GA -S,D P L L= - u) 10 e ;=0 G6@ +BG B-C @ ?@ +@2 @ B@ E@ B- @D @,, ;MNP [3$ HH0 ;KK + @C@ D@, +@ +C +)@? +- B-- C--J@ - " -C @ +B 5@,+ ML<) F# S &- *!0 & -0 O<N 1-> ? G E--@ B ?' >J2 E>+ DC @ B-A @ + +B + J, @ $ $%&) &1 & (8;KKM(ONP "@ + D A +B@ B.B G2 >A+, ?G B-C @ B-@D ;QQM C ! $ $ T C& OQ :>A@ L=N O O G 3 C@2 A +>C ,+C-++@C2 B-D ,, C->AD2 C@? CU E,G E D B-@ E@B>> ;KQN B &) (0 SS ;L< B@ -C) - +B@ E, U ? +B B- B-@D)AC@, B-C @ XKKJ & ; - & "> $ .1$,. ;=< "@ B-D B@C C->AD2 D B@ A@ @C U U@D -A @

* (C&!0 &' 0($ " -$ 0 B B 5->C+B 7 @ +B@A B@ B E@@A B-D C->AD ;QKK 0 ")!0 0 8@D O(& J C -A B-) ++@AD >A@C ;W ?D +-E@ B-D ,, C->AD2 ?@A B@ C@@D @ B +Y E AD2 ,.- @ 2 AD C

E &BC @ & && &! T0 P<M+B- @ -CD ? ,C,G & & $' H $20 , -2 + & & && 8 , A.(+- .@+ DC AU & & 2 ! -$ @@ = , OE ;PMM & $, $ 0 50 S *2 ,,+B@ C@ +@? .E+@ E,- +B@ C A G,@ 2 -C.-+-! B->.B ?@D @ ;L<= I E %& 0 $ 0% E2 ,@A ? .B+ .-@ B--@ +B@ AD@C -C AG .--D B@ ->,D D-- MS 7 $ % , $) ? $ % +-E@ DC6AU@2 +- B J +B@ +2 B--%B@.-- @

- JC-+@ + 8+B@J- A+2 @D.@ -C @ - +B A.2 @ J -?@+B A. ? D@ - + ?E@C(+B J, +@2 C ?2 @CC>,@ -C B@ +B - ?@+ ,2 @+ %4ONP QKL;2 \ :V OC>,+@ A- A@A ,-A.@A CL\ +C@ ? D +C-A.@ C@A@ B@- @-C@A -D ;=<M , 0 $ 0 ,& 0 O<N +@ 0?2 -C CA@ +J : -BA@ ?2 +- B- +B@ 8?B@, SS + 4PL4 0=C$* 0" ! ;KL - -BA - U@C -C @ A.?->,DD@ +B C@-B -C +B@ ECGU? U@C ;PMP I 1 $)) 0 .C@ +J@@ @ - + ?E@C E-DD@ +B EC @2 A D-A, U@ C ??)B@ D@ ;PK 9 7 +C , &!$% &0 S E ;OM E2)O--+@ 2 B-DD@ AD@CA@ +B +B GC-A 9&) ! & . T 8%B@+B ? ! - (;L=2 J@ D@ B->D +B B@A2 * ;MSK A %E CA- U C 0 0 8SK-+(ONP !E- @6 +@@,@ B-DD@A ;QK< : $ 0 < & > C EC--?Y + U -"+B@ 7 + B - AD-C2 7@@ B-D EC SK L & (C $, 0 ?) 0 LNL ,@ @AD - +B@ ,@ C@ @D -C B-@D +B J-A+@D C-A ;K=< $* C " 0 0 ;LK A +B@ JC- @ @ - B--J A.E A) 2 AD B-@A. B@@, 4KM< $, W $ 3&& & &'0 ; B@ @ E C@ B-D +B@ C ,- @C >++A. @AD +B @CC +@D -C A-+ B@D +@@, @ -C B ++A. +B@ +-A@ XJSS = < &0 "B 0=We 8=(B@ DC A. B@@, - , -A)+ @ B-D D .-A ,C- E C ,@ +B) +BC@@ A B@ A D+B

E >+ & & $, & [8 @@ I>-+ ;M==(;M== = 8 7 $3-$ 0 B@ .C->AD ? G E@ - + AD -X+@ A > B J, @ @> @ +- B--@ +B@ A B-C2 +B + 2 +- J>+ E--CD +- +B@ --U@ AD ? U@ +? > B EC- D@C [h9 - . : 0 $ 8;QK<(=KMQ A !31 $!) ; & 31.0

! $ %T - - @C -C JC-+@ + +B B-@ -C B-@

;ML<5>+ !$ &!" $;3 S 8;M=N(;<; B@ B-C@ +B@C@

E@A.A-+ B-D . A ++B@ @ +B B>.@ B .B C- U u C 0 0 $ 0 !0 &,0 == K B@ >C @+>C+@ C@ C@ >,,G , D D@2 AD +@C +B@ J@ + C@ + U@A ->+2 +B@ @ +>C C@ EC->.B+E U2 AD J, @D >J-A +B@ J C +B + ? D@ E C@ B -J@C + -A , ,@D B-@ A. +B@ ?- 4KLQ 71 &% & - $ O= B+@ E@ C U A 8+B@ U A + - , E, U ! C,@+ C@D +B@ +BC- +2 E>+ +B@ J @C@ B-DD@A +B , @C(2 B-C +@A +

!B-@2 -E -C? - 8 (AD 0" ! - 3 !B-@E, U 8) E, @U(^ 10 N . R #A@ B- ,@ A E--+ AD B-@ -C , @, B--D ;QQK - * & $!$ 8;QQK(O; , @2 ->J,@ - B-@ E, U ;KL; . . $ 0 0 S2 7 ,,+B@ B-,@ 5A A @ 3 A +@C 2 - ?-D@? >C-J@ >AD@C+ U@ +- ? U@ -A@ !B-@E, U B JJG $ 10 $ %A < 8 $ 0 & % $ & 3 !$, . " B@ @S +A. C ..@D B--, B-@E, U EC . D@ ->AD@D A ;KP;

E & 31!$, .C!$ & 3%!&2 10 (4KPK !33# /! 0 $, " & 31!$,. "00 A ?@ A : ? -C+B@ 1 ,) &$ 0 SKMM $ 0 ?&(PKN ; 1 ,) & $ 000 A : -C E, U A. B-@ 2 B@A @ +B@ J, A+ C@I>@A+,G ,,@D +B@ !B-@ E, U &, A+

!-+ !B-@ E, -U@C2 B-@E, U !B-@ E, UY A. 2 4$+ f 0 %U # 10 ; L E 4%!+ +B@ E, U A. AD J-, B A. - B-@

W>/ / # IVC 2 6$*$ 00 0 B-@E, U@C ;K=L = >) & ,$! 0 $1! ? .0" 0 AD@S2 !B-@ E, U@C 4K<N % 2 3. &, ;L B@G @C@ +B@ -A,G J@C -A J- @ @D - B-@ E, U A.2 S)- $ &2 & *0 [0 ;99 " A+@C@ +

A +B@ B-@ E, U A. --A A@D

! -@D $0 I !"#' -CZ i) V 5>CA B@D -C JC-+@ +@D +B B-@ -C B-@ P B-D !@@ , - .1[H) $0 AD 3 & C- 7 ") $%+O !! & % ($2 &' &% & (, 0" #A@ B-@D A@ +B +B@ >CA +>C@ E@,-A)D) .+-+ SMX 0 A) D)$ "8;<)(: A OK B-@ B @ +B-@D J D@2 X)- 0 , 2 ;= :>,G O ^"@a U U@D B@C +B B B-@D @@+

OB @) -E J + - 3

!B-@ .-- @ @@ B !

!B-@ B-?8:) EJ*A(2 10 A P2M ,0 B-A@ 2 B-A@ 2 -B>A@

>C @D A +C>?@A+ -: -CA2 ?@+ ,2 @+ > @D +- , +G +B@ !, Ja)A. - -A@ B@@, A+- B-@EG J, A. + E@+ @@A B-@ AD B#@+ B-@A. B-C- PK< ?) 0 8;KKO(2 P=N A@ B-A@ B-?@ L-D L%LA ?.0 $ A $!"1) & > 8;KMQ(L;! !B-A@ B-?@ +B@ D-X@A 4KQ= B) - " - SS OSL A. E E U +B@ .C @ >, -D+ CD E@AD - B-@ B-CA

0% (! O

K%J+ 1 < < I I: 0 A !!$ " 0 0 0 8;<N=(--A@2 >?A + A > B +@C?+) -C @ C+B + ? -C@E@ -@C@D + ,, E@ +U A E@ C@2 G@ E@ A- B>S@B-?@ $ B>A@B-CA@* ;KM< & $!<!& 0" &3&-" & J> @C + A >+-A ;K<= &)-1 0 <!& 0 & 3 &-" B@,J@C-A #A@ @?J,-G@D +-3D -C+B@ @,,@C + @ K J

0%& C& 0 $- ? G " & 3&-0 -@+) & $ **, $0 $O/ &%&!. ? SSS OK; AD G->UA- + A -@+2 -C T B-@ B-CA +B@ -,D OC- D ?@A ,, B ?

!, -@ -C>2 + $ 0 - >U-,D 8 * Z (1 3 6 ?? $-$1 6- !0 ;; S " K2 @A> -C@ +2 !B@D B-J@-B-CA B@C > A -C@B@ A > J>+ -C+BC> + 8 +B A.( )*& 8 J@C %A(-C 8 J@C -A(E G ?@ A - A T AY +C>?@A+ " -C T +DJ,) -C +B@ J>CJ- @ ;KP< 7 6 0 % & O<O J@AAG +C B2)-@ B-CA@D >J-A +B@ J>E, -CE>G@C 2 EG +B@ DD+ -A - +B@ !B-C+@) 7+B / A@, / @ 5-@ 4<N4 & $!" $!80 CC- (M 3 C2 A-A @SJ + B- B-@B-?@D A+- J- + -A, U@ +B + - +B@ 7 C !@ C@+ CG @ - + B-@ E-? + ,@ $!0 8% " , O(;<N= $!

9U# @ A. 8!)(2 V 5-C? = M BMGA.8@) 8= -A.@(2 AB- > .2 P U-GA.@2 IE-A.2 P M K-B-8 (QaL ! M ,,- A.2 E- GA.8@2 B-> A.2 8 ,S@ GA.2 Q -U@ A.(2 M K B--A.2 Q B-@A. ^ !"# 0 a" 7 , a

B@ + -A - !E +E@ + -A - J+ ++A. B-@ -A J@C -A -C A ? ,2 -C- ? B A. J ,@2 B@@,2 @+ +B B-@

;==N C & - %C$ *0 ==Q O ! B-GA.@2 - ?@AA2 ,$, $, &0 !B-(E .@2 - H 50"% $,@ ;=PK & $- ,0 LMM 5-C H0 J- , B)G$. AD B@ J- , * SS , 0 $ $0 ,& 0 LO +@? -C +E@ B-G) - . >A C+ + + 4 ;P L L= - u 10 e ;N< A+@C,GC@ B -C A @2 AD)@+B - G,, B-GA.@ SM!Q 7 % -) $- S 2 D -C E->AD + - " -C @ -+B + .C@ -> ,G JC U@D 7 +B B--A. W $>+> . 8) & 0 ;=<5-C G # + 2 ++@C AD !B--A. W

3 $ 2 3G B-C @ A+ B-@A. $ JI A# O , + 0 &) 2 % MQ B@ -A,G EC- D C>,@ +B + A E@ , D D- A -C +B@ > @ >, B-@A. - B ,DC@A ^@+ a / , &' , 0 !B-@ - ,,@ + @,G

$ WJ&+ C E @ , ;N A + ,GD>?G ,+ +C@U@ ?G B-GA.@ AJ A 9 6 5& 0 P0>+, - @ +B- +B B-GA. 0 0 B-A@(C- +E @G+ ,O=PN < & & 2 0 L)= A +E@ -C DB>.E B-,D GAD@+B@ -C D AA@G A + @ ,-+EGA. A B-GA. $& + L & 0 0 @@S) OLL B@G @C@ ?-C@,G B@+-+-AA@A+->C AD D@>@, A B C@,-+BGA. AD B-GA. $ 0 LLQ O 40(B-A - E B-JJ@(2 1 $ $0 ;PLN .7 OMQ ; ! B- GA. - A & " %) 0

E B@ JC-+@ + @ A. -C - @C A. +B B B +B A. B-D S!- $ 7 C $, 0 ,0 LQK +C-A.,@ @C2 B-D +B C-A2 AD B A. +B@ C-A B-@ A. E@A+ , ++,@ >J CD SK-M = 0 4 4 4 ;=O<M B@ B-@Y A. -C > @ G A. A +B@ C @C ? > + E@ + U@A G ;KQN # *0 *0 V * 0 !0 ON B@ D@ - +B@ +C G C@ ++@D +B , .B+ B-@A. - --D ;K<O $ % . $3? &$;MO && A C-A E AD +-JC-+@ + +B@ U@@, L $ 10 $ & - 10% & %& "3 $ - - "^ &&!" 3 $ H B-@A. ? +B2 ? +B B- B-@ B-C @

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- J@C -A > @D +--,EG A-+B@C @ J -A@ B- @?J,-G@D D@ -G XMM $,) ==;#2 +B + ?@ G->+B@ +B@ >??@C - ,, U-CA@ # >CI>@DCG +B@ @C B--A. B-?@ SM-M = 0 M; OM<O 9) 0 5& 0 =<= #, @C B D ? D@B ? 2E B--A. B-CA2 ?@C@,G+- @B +>CA OQSO) +, 0 -PQM 6 P 3 - + - -- >C A@ G->A.), D @ C@+ A A+B@ C !@C D >J@CA>?@ CG AD A .A A+ 5@,,- 2 B B+B@G -?? -A,G , & 3 & - 0 B@ @ C@ D@ .A@D B@A .--D # @C -?@ 2 +- B@+ AD J>C B ?>J+-+B@ &- A+ OKM= . . 0 < 0 4 LLP / ? >D] -A @ 5C @DC B WB-@A. B-? AD T C A. >A -C -,+ C@ E@B--

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!, -@ ,@ +B@C +B@C -C +B@ ? U A. - B-@ +B@ ,@ +B@C - B B 8-A@ (B-@ C@ ? D@ SMM- G$ * &% , L > U@C2 >J-A B B A ,D --D +B U J @ @- + A D B-@ @ +B@C SKXD) = 7) &1 & 0 8;KP<(A- . --D , D @ @C +@ +JJ@D A B-@ @ +B@C SK KL 9 & 3!$ -C B-@ OKK<# 11 & - & $ K< B@ J--C ? A ,- +->.B E B-@ @ +B@C2 E J>+ -C +B@ @ C- B-@ A ,U A.2 PQM5 3 C$ &*!0 * 0 OSN "@ ->A+@E ?@ > B -A@ +- @+B@C>A -C+BG -, ++,@ B-@,@ +B@C2 B@AB@ @A+ -C 4MQ! 1 & 0& SO= -A@) +- ,--U ->+2 +B@ G E D > D@A+ "-?@+B@G ?)+ @ !B--@ , @ >@C OKQ= B 5)& 8C BCOC S6 ;KM " @ ,U@D +-)6, @C +-A@ + J@A+A-+B A. E>+ B.@ ,@ +B@C -A+B@ C- D

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,$A+J O=M<K !> B?@ B@- . >AA@A ,@J@A >??@ B@-
.>AA@A +)+@A =, @ +@_ >??@ B@- C? +,@D@A
;=SL ' . 3 . 0 C ,0 MP; - ?-C@ B DD@ @+
B@CEG -C C-.E+2 -C ? GD@ -C A>A@ +- D@ E>,@2 B A
E@@+@2 -C J,@G@A + E@ E , -C E->,@ ;)K< $" $ ' " & .
* E2 7 B@A +B@ @+B@C ->,) +B + AA-+ .- EC- D
+- / ->+@ 2 -C +- B--+@ K-S ' !0 ?&2 - $ '
O<L - B--+ D- A +B@ E>++ 2 - E@. A + +B@ >C+B@ +2 AD
@AD + +B@ B-C+@ + E>++
- !! & f A JJ, >D A. @S , ? + -A B@A

B--+@C E + +B@ ? CU , -)
\ I@ I F $ - ! 8;M=;( ]% 1->C JC-? @
- +B->.B+ +B A2 AD G->C JC-- + ,, - +B A. D-A@ +BY
->+ 7 @,, B-+ - +- G->C O--U . A AD +>DG +B@
J- A+ E@++@C ;MPP -B.. T =OP #A@ D G
E@ A. B--+ A. + O>++ 2 " @U + +B@ @CG ?? U B@ / >U@
- -C+B> ? E@C, AD2 E@ A. JC@ @A+2 7 @,+ B-+ ?G @.@2
I>-+B B@

D %-A +C> + -A 2 8 (& && $ 8 , - $%
$ $ ' &'( )' & &+ +B@ ? SU -C -E*@ + ?) +
& && $ & @@ /) < L
,4L 3 < '0 = 50) = ?@ B >C E)A@2 AD B >@D

[illegible]

G$

[illegible]

[illegible]

[illegible]

G 4 ,$

)%> "0 +) &&.T <$ ' @+ OLO B@B@ D - +B@ , >.B+@C@D J CC- ->,D B @ +- E@ JC-D> @D +- +B@ @ C@+ CG2 B- ->,D A-+@ +B@ C A>?E@C2 AD C@ -CD + . A + +B@ A ?@ - +B@ B--+@C ;<NK M = .. % ?$ $ 1 D . OQM :- A A. +B@ B--+@C + ,>A B

i E $' %(8 JJ- + @,G(1

%4LK4 ?* C$ (&)! ;) B@ G,) .@ GC2 +B@ JC@ @ D@+B +- J,@GA@2 B@ B@+@C@ H ((A@+@C2 B-+@C2 B@+@Ca I 2 +B@ J -C B +G J,@GA@

- B@ -A +@,, + -A ! . ++ C > 1 /

!- $'$, . B@ ! B-+@C @)@ JC A J , B- @ - ! +>CBB M-+ 9 3 0 1 $ 0 % * E2 B@A 5C-? ! -CJ -2 !) CA@ +- +B@ !B--+@C' +C D@

+ D B@ .) CD - - B2 1

B@ .> CD +B@ A ?@ ?J,@ 2 -C . A ,,G C?@D -C +B@ JC-+@ + -A - +B@ J @A.@C @@ <X) 10 Q E $ &+ $11"3 ' ! & " * A-D -C +B@) B--+@C -C .> CD2 AD E- -C +B@ DC . ? A ;K<Q ' ," ,!(*& 0 L=O ; 8/C A.(2 && " A ?@ . @A +- - B .> CD A +B@ -,D@A + ?@

/ B@ ? A B- T B--+ @ A@ A@+

$ // 6 .) & '2 $!! ;L B@ ?@A B- + +B A@+ C@ +@C ?@D +B@ B--+@C '

2 !-?@+B A. +B + B--+ -C > @D -C B--+ A.

i E-,+2 1 ($ 3H

;ML 8)! B@ B--+@C - ,- U@2 &) SDKS 7b $-0 $+ - C %$ $!(< '0 ; ;OL B@2 B--+@C - ,- U &1 5 ' $! T

i] $ B--+ A. + C 1 (

$%JJ ' > - *! (!! 2 B @ , - + CC@ AD --+@C +--

M 7 +B I> , G A. D* J, A+ +B + B--+ 8 .-C-> ,G2 @+ 2(

$>J = .. $ (C , (*$! 5-C .-C-> !B--+@C 2+ @A+G 5@@+ C-, ++,@ @A->.B2 , 5% ", ' ," ,!(? (8@D L(,,, LO O $-E> + E>+ ?-D@C +@ B--+@C 2

M T E- CD J, @D E@+ @@A2 B@@ @ >AD@C JC@ = ' $!(E +(, -2 A D@C JC@ 2 E- CD , D , + -A +B@ +-J - +B@ J ,@ - ?> + 5 1) ! h & . > , 8%B@+B A, ! - (O< 5 G @ B@ +@ H $, P , 3 $ W0 0$' -A@ B@ +@C * *)2 ;KLL B) ' ," ,!0 , (e ;L;W ^% D@C JC@ a2 I> C@ E- CD2 +@C ?@D B--+@C

2 -A+C A @ -C B--+ A. -C D B C. A. +B@ -A+@A+ - U 2

$ + 9 ' .. <) ,(- *! - ' =M< A @ @A+ ! U +@C2 - D@C2 6A,- D@C2 A !B--+@C)

K$ $ 7 +B I> , G A. -CD .>A2 J +-,2 @+ +B + B--+ 8 @,, -C ,,(% L" ! E ,&!!&D(-C !$' (B--+ A. A +C> ?@A+2 .>A -C J +-,2 *(C@ -, @C

XK . > V 0V $ " 8;K<L(` M= B@ E CC@, E D AD @ U B--+@C 4K=N $ " ? ($ * 7 @ .-+ ->C B--+@C A -CD@C $ >> . < ' C$ (S B@A : U DC@ B B--+@C ->+ AD B-+ 0 ,,G 0 ,, +BC->.B +B@ B@ D

,. (8!@@ I>-+ ;K<) (

;KPK ' B7 >&- , &2 ' B@ % J+ A +>?J@D +B@ A@S+ ? A - ,@. B--+@C ;KK= A 0 (# + =MN >?JG' ->C +@ B @ @?@A+ +- E- , T B--+@C ;K<Q ' ," ,!0 *& O=M O 8%C U@+(&& (E ,, B B -A +-> B A. +B@ .C->AD U@@J @CG ,- @ +- +B@ +>C 2 - +@A +B A A C@ @ - J @

! B - - + B @ C , G 2 - E - C ? - B .

8: ++.(2 1!(10 5-C? @@ +B@ E

^3 2 , &)' " , +@C , & ' , & , .&

3 N" 7 # B D ,&)' " 2 , & ' +-

B - - + @@ @+G ? - , - . , A - +@ > A D @ D B @ + - A -

B@ + -A -C JC + @ - D B C. A. ? ,@

C-? E- -C .>A

,B&&& 5 .6 $ ' > SSS SK- J >AD @,BC@- A E J@A A ? D) C-?>? -+>A.>? -A , @ ? -D-A : $5/0\ ' , 0 0 MN , - @ ?@A @-CC@W ? D JC@- U>AA@ @JA@A2 ? D @E@-+>A.@2 ? D J@+@ -CD \ ? D @-CD@ @..@ 8@+ a2 $;LP = C& - 8@D " ,+(=< + @? D +B J C@ B-+ A. , + C A , $&/+ OLM$ " % " ! ' ;SPM= B@ @ UGA.@ E DD@A E@B-,D@A >, @, +B@ B@+GA. - +B E@C, @CG D@, $/&0 L . - (1 0 2 0 8 CE (;M; B@ C+@ -) >+GA.@ B +B E@A A +G?@ J + ?> B @ +@?@D A +B C@ ,?@ ;PQL & ' $ ' ,0 ;=; 3 + B@ - B- ++GA. L% L # V ' (= &- -20 8;MNL(K< !B-+ A. A J@@ @ 2 C- E- @ 2 ,-A.E- @ \ 4M<L Q ; .. ? %(8;KPQ(POM 3> B B--+ A. +B AA-A AD ?> I 6@+ E@ CD ;QLQ 8 7 V C ! * A)$!! 8;K;M(PQ " @ D ,G JC + @D B--+ A. + ? CU SKK- = .) 4 ' - $. ' A ' ," ,!0 ? 0 , O<= S 7 B@A +B 8 AD .@a -A D@CY E,@2 + JC A J , > @ - @CC-C A B--+ A.

+ + / B C.@ 8- E- (2 C A. 8- .-A(

%]<M)7 <) !0 C ! (;ONQ; 1 : U->D@ G ,G*JC- GD@ 5C- B@+GA. - C-- E- @ ;PLN) 0 C$*" ' & =L< BC-> B C@ U,@ B>++GA. - -A@ .C@+ AA->A ;MLP C 1! $ " @+ 8;KQO(=;= @ A@ +- : -BA 5C AU -C B + A. - +B@ +> .- A@ ? +B@ +@ JJ@,, L%J W'/ - (V . 87 -DC- ! - (LML !B--+ A. - A-A 2

B@ J-C+ - U ,, A. . ?@ +B +J@ .>A2

$%&J - B.. &!" =VC & ($ S > ;KP !B--+ A. 2 JC- D@ --D B@A ?@A C@ B>A.CG ;Q=N < (& & O JC 2 B@ + -E-G .- B--+ A. , ?- + - @CG D G ;KOL <$- $2 7 U ;KP< OK O B@C@ C@ @C+ A,G ? AG ,> E,@ ?@A EC->.B+ A+- +B@ ->A+CG EG ,- @ - B--+ A.2 $ JJ) $' S S, 2 0>+ +B@C@ A- B--+ A. 8 @ .C-> @(+ ,, !@J+@?E@C ;KLL ' C$ & ' G $)0 B@ ! I> C@ A +@D +- D G B--+ A. + %-,-A@, OC D @,D' 4<NL = I .. &) ' ! S,S ;Q= C-> @ B--+ A.2 JB@ A+Y B--+ A.2 J .@- / B--+ A.2 AD @ @A C EE + B--+ A. ;<NK $ 0 #+ ( ) 1 L @CG - @?E@C +B@ - @C+ + %>+BE@C+ B@>.E -CD@D ->C D G B--+ A.

^ && ' 6!" ' 30 > @D A->A - + -A +- +B@

E, JBC @ +- && 6!" ' 8LK D((

2 .

$> > ' .) - ! + &+@CGJ,@. + -C2 +B@ C+ - !B--+Y A. + ,G A. $>%% 7 + B@ C+ - !B--+ A. 5,G A. L &g V)'&*5 $ ++,@ J 7 +B A +C> + -A -C ++ A A. +B@ C+ - !B--+ A. 5,G A.

D A @S ,> @ C .B+ +- B--+ . ?@ -A J CY

+ >, C @ + +@ -C +C + - ->A+CG "@A @ , -2 +C + - ->A+CG -A B B J@C -A B > B A @S ,> @ C .B+ # +@A ,&!! , *!) $!0

! $ & . B7 ?& M= " +B@C C-? ,-D.@ AD E-+E @ A ,, +B@ D*- A A. B--+ A. ;KP= , ;Q = SK (<; e =O B@ @SJC@ -A T, AD AD B@C + .@ " B ,, A @,>D@ B--+ A. 2 AD D@@C -C@ + 2 B@C@ > B B--+ A. -C D@@C -C@ + C@ +> ,,G ,@+ SK) $!" 2 ;# >. P S B@ ->+B@CA B--+ A. C@ C@J-C+@D +- E@ @CG J--C,G +- U@D +B E CD 5 C$!! $!! <$ (;O >. = ; B@ ? A B- + U@ B--+ A. +B +B@ A+@A+ - @A*-G A. J-C+ >J-A + >A+ , B@ A- @D - +B@ JC@? @ $ 0% . . ' & (S OLM " @ C@A+@D2 -C + - -C +BC@@ G@ C 2 +B@ B--+ A. - 3 SE>CG

/ B@ @@, A. - >DD@A J A +BC ,, -C D C+ - J A2

S S! .. $! - G (*2 3 G,U@ D-+B ? + . +@ +B@ B-+GA.@ -C JC UGA.@ - +B@ ,-A.@ $%&+ ' 7 $ $ $ 8 CE (;NQ B@ B--+ A. - ->AD@D -A @A @ QNL A $ 0 (&,0 C)1!(4 2 LQP + @@?@D +- B@C B@ @,+2 ? - + -,@A+ B@ + A) A B@C E U ;QSN) ,,0 &- H(8@D O(;O B@ B--+ A. - ? G %-CA ;QPK : ! $! 1 0) 0 8;QQ;(;PO " @ @,+ C@ I>@A+ EC-EE A. -C !B--+ A. A +B@ >?->C SKSK C (OQ !-?@2 -A +B@ JJC- B - C A2 @SJ@C @A @ B + ,,@D B--+ A. - +B@ -CA SKOP ? & SSS2 ; E>+ .C @ @D +B +B@ B--+ A. - A -,D ->AD

!JC->+ A.2 E@. AA A. +- .C- 8- J, A+ 2 , - - +B@ +@@+B2 @+ 2(>DD@A -C C J D .C- +B , - ') *(

' 9 . &') 0 $-0 & J /@D * E2 - B@ +B + B--+GA. J AD @A C@ @ - -D' %B>C B E@GA. E>+ C-? @@E,@ AD @ U@ E@.GAAGA. 8@+ a SMSW ?& " 8 $ ' L== B@ B--+ A. - !+ ..@ B-?@ B B @>@CG G@ CM ,, AD .C- . A@ L %[ )) -) 0 OOQ " -+ ? A>C@ ,, EC A. -A J@@DG B--+ A. ;Q 3 X) 8) (! 0 ;O; B@ B--+ A. >J - - + >A.> SK@S 0 " '!0 PM< B + B + +B@G ,, +B@ B--+ A. - +B @ +@@+B 4<N4 T [B ") ' $1! ! OL 7 B + +B@ B--+ A. - " +B@ C-J 2 AD E CD ,, A. -A@ +- + '-+B@C2 +B@C@ -AD@C >, ,-+ - A +>C@ E->+2

E % B--+ -C -,,@ + -A - B--+

;MPL .. 7 C!$ > <$ 0 ' MM ^% CC-+ a 1-> ?> + J C@ - +B@ B--+ A. + +B@ >JJ@C @AD - +B@ C--+ AD +B@A , G +B@ ? A AD 4Q VN 9 . C& - % 0 C & 8;KQM(LP= 0@A@ +B A -,D B@D. A. -C B@,+@C B@ C ,@D AD ,>A. EG B--+ A. - E C B SKKM 7 : B) &* ;NN ,D + AD) .C- +B - C AU @@D AD !E--+ A.

= B- @AD A. ->+ - B--+ -C J >,@ A

1 + ,, X + -A

&%%/ ' WI , & (<O B@ B--+ A. - @ -A +B@ +-J - 7 +) SGX! 7-@? $# $ 0 %(! ; 8;QO<(= 8) +B@ !+@,, C !B--+ A. >J-A +B@ !>C @ - +B@ .>> - A+ ?-AG2 4Q 7 . 7 A C !0 $ ' (; M4 4 2 [L= B@ B--+ A. - +B@ U@2 ;KPP : 7 . <!$),) 6KQ!(LP B@ B--+ A. - ,+ A+@C? S@D +B ? A@C , J C+ ,@

M &* 1$!(B@ U U A. +B@ E ,, + . - ,

;KKP ! L; : A2 ;LP O AG B--+ A. +B + @ @A+C@ ++@?J+@D @CG D@ @ + @ 4<N4 $!" 5* ;K 3 C K ; B@ --+E ,, @S @J+ -C AJ-C B--+ A. ?- + @A*-GY E,@

1 A C -> @A @ - +B@ @CE

;=M= & ' .$- ,( )Q= 5@> E-+GA. - +B@ A)

- -AD-A EC D.@ + A @EE@ JC ,- +@C 1 (;MM B@ B--+ A.J + CC@ . $ &"(* 1 ' ' ,,(0 $ &" 0 + SO- !-?@ C@ JC-J . +@D EG +B@ B--+ A. - +B@ C $-7 2 4QSS)) \C ,0 - Q 5O B @ UA- A +B@ B--+ A. - !+ C J- , .B+' $@ + SKLS ,,0C ,)T !$ &' & E $;Q 7 ,,' JA - , 2=Q C@@- @SJ@A @2 @S @J+ +B@ +C , A. @SJ@A @ -C ?@+ .@ AD B--+ A.) SK P : (. * (.0 PKM B@ -J@C + -A - ? U A. +B@ @D.@ - E- CD +C .B+ ,,@D B--+ A. SK) C ($!" " & - ;QL - AD +B@A2 + B--+ A. C- - ?@ D--C G -C E , -AG2- +C A., A. +C A.@C A A G DC@ SKKK ' ," ,!(? 0 4 4 =M= + B@ T J U A." -C B--+ A. - +B@ @ +2 ;K<L $1DB &- ' & ' ,- 2 && ' (+B@ -J@C + -A - @?J+G A. +B@ U - - , A+- +B@ -A >?@C') , C -C !+-C@ ! 0(&& ' " +B@ JC- @ EG B B +B@ C-A B B +- -C? +B@ T E-, +@C " A I T+ A. A .@A> A@ E AD -C.@D + E,@ E, D@ @,D@D +- +B@ +@@, - +B@ E, D@2

Q && ' %& A ->+E>C + E ,&' , (

JC-*@ +U 3 * JC-? A@A @

SM-S ' X) C!% " SS : KK B@ B--+ A. -C+B - +B@ 5C-?-A+-C @ -C@ D -?@ B @ C@J-C+@D +- E@ MN ? ,@ #+B@C <N % < C B 5 0 C " 03 (8@D O(;M ' ,&' " +B@ +-J - +B@ ,E- 2 #C +B@ E U CD AD .C@ +@C)B--+ A. -C+B - +B@ ' $(;KLQ . . (0 2 B@ C + .C AD + AD B--+ A. -C+B - A >,#++ ?

K $ % 10 AD &-1((! ?J,@ ++C E 2 8 @A @

; (& ' 3*$ "" 3 $ &' P 8 @A @ D(&& ' T

*!$, (3 $ ' 0 , - D@ .A + A. ,-+B A. H &- -C

@ I> J ?@A+ > @D EG J@C -A @A. .@D A B--+ A.2

&& ' 31&& " 3,$'& (3,&$ (3 $ (3 & (3B$,. (

3 &,. (3) (

KPP T (Q) . ' && ' ' L= - C@+>CA C- ? +B D .C@ -A -A d B--+ A. E--+ 2 $ &J & 0 && - A. ,- + A d B--+ A. A-@ -C +B@ C + + ?@ 5N " "& ' ?) !! L # + =MN O D + b) >J@CE %-,,@ + -A - d !B--+ A. %- + SK) : ' A $ * G $ 0 5@E2 LLQ + A -,D @, @+ B--+ A. - + ;PPP A , - &' !! 8!>C+@@ (;NM2 E@ I @+B >A+- : -BA % C@ ,, ? G B> E AD d B-+GA..@C@ ;KPN$ B 7) ' , 0 2 8;<NO(;= B@ @ DC- @ +B@ C d B--+Y A. B-C @ ,-- @ E@B AD +B@ ..-A ;K<P 5 . B

V

$ 0 0 0 % ,$;M J,@AD D B--+ A. B-C @ ;KL; %-> ' 8 $ " 8;K<L(K2 , JJ@D -A ?G d B--+ A. * U@+ $>>% . . . A :@ @ !2 " ' = &' - *(8;K==(;P=2 -A,G E @A+ + - D G C-? B-?@ -A r B--+ A. J C+G $ & $'0 $ S 2 B@C@ @C@ B--+ A. J C+ @ AD E ++>@ $ $O (A &,. $ 8;KLQ(2 S LNK "@ C@ ,,G +B->.B+ - .@++ A. -?@ d B--+ A. J, @ A ! -+, AD2 SK K] (0 S, 2 - J@AD +B@ d B--+ A. @ -A A ! -+, AD 4K<4 $!" < JC O O B + -E*@ + -A E,@ J@C -A2 +B@ d B--+ A. +@A A+

3 !J@ , -?E =677* EK 3477J 37(0< A

JJ, A @ +- ,+ +@ +B@ >C +@ J, A A. - +B@ @D.@ - (E- CD -C +@C@-+GJ@ J, +@2 -A + A. - E- CD -C E,- U2 >J-A B B +B@ ? +@C , , D2 ? B@D +B (C@E +@ +- .> D@ +B@ J, A@ =677*[K 37R ? ,, ->A+CG B-> @ A -C D* @A+ +- B--+ A. ,- , +G> @D C@ D@A @ B ,@ B--+ A. =677* K ? =6 U =677* K K(44-0+ (,-A. C--?2 -C E--+B + C2 ++@D +B + C.@+ AD -+B@C JJ, A @ -C +B@ JC + @ - B--+ A. =677* K K47)- , "((.,- @ -CA +- JC-+@ + +B@ E AD A DC A. (E- =677* K K07E < =$+ b @A @ D 8)(+B + J C+ - (.>A +-CG B@C@ C ,@ 2 @+ 2 C@ +@ +@D 8C(J, @ B@C@ 6BQ E B B-+ =677* K 674- J + ? D@ EG (J-C+ ? A -CJ>CJ- @ - -A @ ,?@A+ =677* K 07 (C@ C?2 @ J C@ -, @C =677* K 47<K- && ' 31&5 =677* K 1(*D6 (-?Y J@++ -A +@ + A. U ,, A B--+ A. =677* K L4(- J, A@ > @D +B B--+ A. E- CD -C I> C A. -C E@ @,, A. +B@ @D.@ - +> 89A .B+ , ((;KQP(=677* K 0(K- J, @ > @D -C +B@ JC + @ - B--+ A.2 B A. +B@ C -> C A.@ -C D + A @ ? CU@D - E@+ @@A +B@ C@ J@ Y + @ C A. J- A+ AD +B@ + C.@+ =677* K =* DJ C ' ' (J @ @ - B CD --D -C ?@+ , B B +C> U EG ? ,,@+ +- ,-- @A -C + .B+@A +B@ I>- A A B @ =677* K *774 ' ' (+--, 70 ?J,@Y ?@A+ > @D A E, + A.

L J (. ,, 0 5 0" "&) " e MP B@ d !B--+Y A. 0,- U + - E- CD S@D +-.@+B@C2 +B@ D@ - B B C@ , JJ@D >J-A @ B -+B@C2 - +- -C? C@E +@ -C +B@ J>CJ- @ - ? U A. B-C+ *- A+ $ / & . &* ,0 !@C O;Q ; ^ ,@ +C-+GJ A.a B--+ A. E,- U ?> + E@ ? D@ SK) ' . 166 .) ' ' PNO A I> C A. -C B--+ A. +B@ @D.@ - E- CD 2 +B@ d B--+ A. E- CD @CG ?> B > @D $ $J $ 9 . C 0 $ " 8;KM;(< =0 $-D@ +- 5 -C 2 +B@ U A.' JC +@ d B--+ A. E-S2 E->+ +BC@@ ? ,@ C-? & ,@C ?- O J> ,& S LPN :-BA 0 , A+GA@2 B- B D + +B + ?@ B--+ A. -C B>A+ A. E-S @ ? ,@ - A +B@ ,@ - +B@ @ D@C L J 7. ' - (?& 0 8;K;L(L= B@ O@ U@D %E @+-D-A -C d !B--+ A. B $ J% .0 ?& (< 0 ' ! 1) ") !(B@ & ,, ? ,, d B--+ A. . ,,@CG $ O> &$ " & ' S S ;P; B@ >A+ ! ,6@ 2 +B@ B--+ A. . ,+@C,@ 2 AD +B@ ? @,, A@-> D@ B- 8 + +B@ Ca $/&/ >&5&* 0 ;; 8 CE (;NQ OC @C2 d B-+GA. .,->@2 +CGA.2 E- @ \ B @ SK-S ' !0 ?&2 - $ ' O<= && ' 3 !& (.,- @ > @D -A +B@ $% 3 $' A DC A. +B@ !+C A. O /0"%O - ' (8;KQN(;KQ G->A. A., B? A B D + U@A ! -++ B d B--+ A. .C->AD ;KMK *0 & <& 0 E 0 0) ' &' $ LQ B@ B--+ A. .C->AD - +B@ 7--, B C @A , 4KK=C $!! $!! <$ 0 O= 3 G > +C , B E@@A -C +-- ? AG G@ C ,C@ DG +B@ E / -+ A. .C->AD - >C-J@' C>EE B ;KPN $ " ' <) ' > 0 0 4 & + O; + A .B+ +--U >J J- + -A A A -,D d B--+ A. B-,@E@ D@ +B@ ,@G 4Q<L < : <) - ' 7 U 8;K;P(;N< / @ C EC-+B@C J-C+ ?@A2 C U +B@ JC A. # +B@ @ +B A. ,, d B--+ A. C-A)) S I (? ' & : ;=<2: B ,, U@@J +B B--+ A. C-A +-A .B+ ;KP< F S $ " - !0 8;KMK(;OQ A EC-CG 8 d B--+ A. ,-D.@ - -CD "2 0@A+ A U' (;QPN , - 1!" C ' ' "! 0 8;QMO(LL " -C @ C @ 2d !B--+ A. ? + B@ 2-C -+B@C D,@ !J-C+ 2 ;<) # 9 .. 2$ 8 & $! =; #A@ - B ?> @?@A+ +- JC + @ + +B@ d B--+ A. C A.@ $% J = L , 0 5 0" C ' ' S e O B@ d!B--+ A. + U ?> + E@ ? D@ - O-S SD! B 8) C $, 0 C ' ' 8;KK=(MK B@ B--+ A. + U +C A ? + +B@ JC@ >C@ C-? +B@ ? ,,@+ +- +B@ I>-A2 SKPW 6 .) & '2 $!! ;;O B@ E, + A. -C d B--+ A. +--, - +B@ ? A@C

! --+ A. 8 T+ .(2 **!0 $0 ^ @

B + B--+

2 3- A. +,G2 D C+ A.

' %- $/ 0 $0 SSS B@ G@ +B + >, - J C@,, AD +C->E,@2 E@ > @ - +B@ ,G-A AD ,G-A@ 2- +B@ %- U +C @ AD !B>+GA.@ DC .-A2 , ;QSN # ' B7 4 & $ & 2 B@ B--+ A. , ?@ -E@G +B' @+@CA , ,,2 >A B'D C-? B B AD $>0 9) 8 C& - - $ ((> " $ $ *$ T 4;K2 C@ D 3 G -C?@C J,@ >C@ A +B@ B--+ A. , .B+ # +BG ,D @G@ O > =) ?$!!$ = CT ;P; J--, - >? -C B--+ A. ,@

/ !JC->+ A.2 .C- A.

>+J 1 "&% =Q B@ B--+ A. ,@ @ C@ @@A +- C @ AD B D@ B@C 7 .) 0 & $" OQK ,>S>C A+,G B--+ A. .C- @ - D @C@A+ J@ @ - +C@@ 2

J A !B CJ AD >DD@A2 D C+ A.2 , A AY

+ A. , - - D @ @D J C+2 - ?2 @+ 8 @@

(2

$50 , 0 LO= 7 B @-+@AD>? @AA@ ;QSN 8 6 $! - OLK 5 L - ? A. !B- 'C G->C B--+ A. %-CA JC@ .@ $>/J . $ 32$ 7U =<Q B@ B--+ A. J A +B + JC@ @D@ A @C ;K<K & = &*0 0 SS LP= ?-A. +B@ G?J +B@+ J A 8A , @C E @ a ? G ?@A+ -A@D B--+ A. J A C D + A. - @C +B@ B@ + ;K<< !!1) G " 0 0 ,,,) M;K & A >)B ,,G JC@ @A+ C-? +B@ C +2 + B--+ A. A B C +@C V

!2 ,. (8!@@ Q .

;!LL' (' , . >') & ' - , A.' ' U@+'
D-A' +B' ' B--+ A.' E ,,
b$ DD +@D'+-'+B@' J-C+' - ' B--+ A.
+!) ' ' 9 .6)' , %8 &' ,$' !B@' '@SY
J@ + A.' .>@ + ' C-?'+B@' -C+BZ' ' B--+ A.' ? @Ag
! B - - + A . ' + C ' Y 7' * * !0' $ 0 ' '
' ? @+@-C'C@ @ ? E, A.' ' + CZ +B +' D C+ ' C- '
+B@' UG' 8% ' - . . 7' D
;P<L' , 0 Z ' ' ;<' ;MNQ ') $' C' ,Z' B@
B--+ A.' !+ CC@ ' 7 B B' A' A'@G@ EC .B+' >@A A.) ' @@?'D' + -'
KPQ' *0 ? (&,0 ; ;PO' B ' A + A @Z+B@'C C@' -A@' - '
$ 10 KKM .' & "'8 $ ' 'S , ' ;K<)'LQK' B@'
/ Z E0 0 ' 7 @ +@CA'A ?@' -C'+B@' ? @C A' %- Y
, JZ & ,$. &' ' $ $0
! B - - + +' 8 + +(' !$' (^ ' ' i' " !V'
#A@' B-' B--+' . ?@Z -C' B-' - ? J@+@ ' A' '
B--+ A. ? + B ' -A@' U ,,@D' A' B--+ A.' %B @ ,G'
B&,) !$ ' -C' *$ $ ' (
! , # # +,@+ ' ^ ' ' 10 i ' ". V' ' ? ,,' B--+'
i ' ! U - - +C@ ' 1 0 $ Y (^ ' I '
! B - - @Z' -E Z J ' '+' - ' 3 ' ' JE ' ' B !'
KB - - @,,@Z' ! A - - C@Z' -E ' ' 3 .!' B '
! E - J ' 8*EJ(Z 10 5-C ? ' ' ' -@-JJ Z P' JJJ@Z
= ' P' B-JJZ =VM K-B-J8J(@Z B-J@Z = Q
P ' M' O-B-JZ P K' OB-JJZ M' B--JZ B--J@Z P)'
B-J' . ' AD' '& 0 P' B JJZ P M' B-J@Z 9'
-B- JJZ K B JZ < B-J' ^3 ' 4,' .) (' , &*%' '
= &* * +# ' , &**$' U' ? Z - >CC A.' -A,G' A'
,) - ' +C@ >CG' 8- '+B@' +@ ? J,@(JC@B +2))) b Z
- . A' ' # ' ,"* '' 11 ' =5U .) * * % B1+' AD'
" ' ,&*%' ? Z J-C BZ @ + E>,@'8 3 " ' , &*%'
+C' ? Z , &*%' U' ? @Z @ C,G' AD' D '
? -D ' , &*% J-C BZ ,@ A +-' E> ,D A.Z C+ B@DZ
E CAZ @+ (Z 3 ' , &** ' ,) * * ' @CA Z , -' , &* '
* ' % .) * * ' ' ? ' 8 D-J+@D' A' ? -D (B@D' B@'
@>+Z' -CD' ' D-J+@D' A+-'#5 ' ' , &** (,&*'
8 ? -D 5 ' , &** H ' ,@ A +-'E--+BZ -EE -' 'W+ ,, ,
' 'B-> @' -C' E> ,D A.' B@C@' .--D' C@' ? D@' -C'
JC@J C@D' -C' ,@' AD' -,D
E ' ?$'. R' &*(' E AU' 8#C) ? ,,G' +B@' '
B-J' - ' ' .-,D ? +B' -C' -+B@C' +C D@ ? A' B-' JC Y
+ @D' E AU A. (1 0
/ ' 'E> ,D A.' -C' C--?' @+' J C+' -C' +B@' 7 @' - '
? @C B AD X@' &'. *' &* ' +-'@S@C @'+B@' ,, A.'
- ' ' B-JU@@J@C' , -'&,,, 0 +-'+ U@' B C.@' - ' ' B-J'
A' +B@' B-JU@@J@C' ' E @A @' &*f A'@S , ? Y
+ -A'> @D'+-' > ? ? -A' A' ++@AD A+' -C' B-JU@@J@C

E ' $' %0 ADGH)
;=PN ;PLN' " 0) ' $ "' ;L< ! GA+@' ?EC- @' G@+BZ
D ' 6 @D'+-'@SJC@ '+B@' + +> ' -C' B C +@C + '
- ' 'C@+ ,'+C D@ ? A' 8% ' KE (
' ' E> ,D A.' -C' C- - ?' @+' J C+' AD' ++@D'>J' -C'
+B@' CCG A.' -A' - ' - ? @' J C+ >, C' U AD' - ' B AD Y
-CU' -C' ? @ B A ,' AD> +CG' ' -CU B-J' - '
- +@AZ 'E> ,D A.' -C' C- - ?' A' ' +-CGZ JJC-JC +@D'
+-' - ? @' J C+ >, C'D@J C+ ? @A+' -C' + .@' - '+B@' -CU'
CC @D' -A' +B@C@' &* ' +B@' -CU+- J ' - ' '
\%+-CGZ ' D + A.> B@D' C- ?'+B@' ->A+ A. B-> @Z'
E ' J@ ' &*' 4%% * - 5(& ' ' E> 6) . ' -C'
J C+ ? @A+' ++@D' +B' C ? @' -C' ,- - ? ' AD' C@A+@D'
EG' -CU@C' A'+B@' @ A.' AD> +C @
B@C@' - ? @+B A.' ' JC-D> @D' -C' @, E-C +@DZ -C'
B@C@' -A? ' -J@C + -A' ' J@C -C ? @D' # +@A' D'
- '+B@' B@ C+Z , @CZ -C' -+B@C' A+@CA ,' E-D ,G' -C. A 2
! ' ,&!!&D0 -C' !$' 0 ' J, @' - ' E> A@ ' +B@'
J, @' B@C@' -A@' ' -CD A CG' - >J + -A' ' CC @D'
-A' , - ' > @D'*- >, C,G' -C' I J, @'g' ' &*'
8 C ? G' , J. (' +B@' $ -GD' 3 , + CG' D@ ? GZ
7 - - , B
E ' $ ' !$' 0 A' @A. .@ ? @A+Z 'I' E@C+B
M ' 3 ++@C' J@C+ A A.' +-' -A@' '+C D@' -C' JC- @ -A'
D ->C @' -A' ? ++@C' - ' +B ' U AD@Z @ J' ' A+C-Y
D> @D' >A @ -A E,G' A+-' .@A@C , -A @C + -A'
B @ ,G' A' JBC @' &' $!.' &*' 8 @@ ;P ' Q(
M ' !$' (' ' JC -A' 1 0 E ' B@' ? ->+B' "@A @'
JBC') '"&) ' &*' ' E@' ,@A+Z B-,D' G->C' +-A.>@
' 2 ' &,.' 5 .$ (B@' A D@' A ,>@A @' @ +Y
A.' -C' -A+C-,, A.' ' - ? J AG' EG' +B@' @S@CD @' - '
J@ , ' UA- ,@D.@' , -' ' A ? @' -C' +B@' ! ->+B'
C A' . - ,D' ? CU@+
K ' $ 0 ' 7 +B' E ' &*'$' B&1' 8 ++C E ('
' -C ? @D' A' - + -A' - ' J@C ? A@A+' AD'
+@ ? J-C CG' -CU@C' &*' &' &*' ' CC @D' -A' C- ?'
B-J' + -' B-J' A' > @ -A
2' O= - ' L L' ' J@ ,,G' > ? ? -A@D

E ' 7 +B' @CE ' &' 1 $.') *' &* M +-' E@ - ? @'
E AUC>J+' &' ') *' &* ' +-' + C+' ' E> A@ '
&') ') *' &* H' +-' ,- @' E> A@ ' JC@? @ '
B@A @Z +-' +BDC ' C- ? ' -C' EC A.' +-' ' ,- @' AG'
E> A@ ' &' ') !!' &%' ' &* H 8=('+-' AD +@'+B@'
J C +' B C +@C + ' - ' ' B-JU@@J@C' 8)(- 'C@? CU'
-C' @SJC@ -A Z +-' ->C' >AD>,G' - '+B@' J@ U@C' '
JC- @ -A' -C' ,, A.' ' i' &' ,' &' ' &*' ' +-'
-A+ A>@' ' E> A@ ' 8 A' I>#+' +B'C@ '+ ' @A @=(Z
,&- ' &' ' ' 8-C' 2 &' >+' &* ' +-' JJ,G'+-'
+B@' C .B+' 8-C' C-A.(' J@C -A' A' -CD@C' +-' -E+ A'
- ? @+B A.
4KKM C $!' $!'<$0(0<*>,GS O' 5-C ?@C,GZ+B@' >+B-C + @'
E->+' +B@' J, @Z JC@ D' ->+' A' @ @CG' D C@ + -A'
-,,- A.' A' @CC + ' AD' >AD@ A@D' ->C @
' $ 10 AD' & - 1(' ! ? J,@' ++C E++) @' +B'
C -> ' A-+ -A Z 8 (' 5-C ? A.' ' J C+' -C' +' +)>A +'
- ' ' B-JZ ' &*3 & (3% &' (3) (H3 $!!(
3 E' 8 , -' ++C E ' A' . ' @A @(Z 4*+' 6 @D' A' ' B-JZ
&*3,&$ (3! ('3 $ (+'Yd LI0 =,+' ! -,D' -C'
U@J+' A' ' B-J' 8+' - ? @+ ? @ 'b '- A ,' (Z ' D*3
(' * *$ $ &' (E $ 0 4 +' &@C -C ? @D' -C'
CC @D' -A' ?' ' B-J ' E@,-A. A.' +-' -C' -AA@ +@D'
+B' ' B-J' ' +' ' &*>1) ' (3,!)1('^, $%(
3 . % (= + # ' J@C -A ' 0 ! -A. A.' +-' ' B-J'
@ ? J,-G@DZ A' -C' E->+ ' B-J' ' &*31&"(3%&!.(
3 !(3- $ (3- $ (3- , $' (3* &*! (* '
32& - $ ' 0
E ' #E*@ + @' AD' -E*Z .@A + @Z ' &*3 &! (
3) ' ' ,- + @Z ' &*31&) ' D*
;K<=' ' ?! 0 ' 0 M' A' c B-J E->.B+' A +C>Y
? @A+' ., 'B AD,@' C@' .@A C3 G' @@A' 4 ' , ' $

```
A'0, D@ ' $5 & ' 8;KKO( ;=M A+- > B@ +G ? @ +B +G@B @
V@ -C B-JB-,D@C ?G++@D -CA AD @A+C@D K+-
3b: 6 0 V !- $ '&, . 8@D =( L=Q " @ 7 C @AD +-
B@ G +@? - @ C,G B-J B>++ A.
% !J@ , -?E B-J E ,, &*3,$
B-J E--U2 B-JU@@J@C -C ?@ B A ->A+
L--U * ,(86 ! ( @@ I>-+ ;KPM B-J EC@ U@C2
E>C.,) B- EC@ U A+- B-J B-J EC@ UY
A.2 +B@ - @A @ -?? ++@D EG B-J EC@ U@C
B-J E+ ,U Y . B-J C-A+ B-J
) CD2 C ++@A -C JC A+@D D @C+ @?@A+ - +B@
-A+@A+ - B-J T *B-J ,-+D 2 ,-+B , D
J-A +B@ E- CD - E>+ B@C + ,, i B-J --A
- @A-@2 @A , -A @A @ B-J D A@
%&', 2 (" D A@ B- U@@J +- U - JJC- @D
J C +> , ?@D A@ + B-J D> +2 +B@ C@ > @ -
B-J % B-J @,,- 2 A A+ ? +@ B-J , .B+2
A , .B+2 AD- . A. @A+C A @ +- , .B+
C-? +B@ +-J - C--? -C E> ,D A. B-J , U@ $0(
@A ,2 ?@C@+C -> 8)( C@ @?E, A. B-J
B-J , + &*3,$ >( B#J S- . +C ,f
- , ' B-J ? CU2 JC +@ ? CU J, @D EG
D@ ,@C >J-A B .--D +) B-J ?@D A@2 A
- A , ?@D A@ + B-J A-+@2 C@D + A-+@
@S B A.@ E,@ -C .--D + B-J + B-J J D
Y ) 10c La2 +B @ B- +@ , C-? B-J
+ B-J ) JC @2 .@ J D +I J@CA A@+ +,G
@A. .@D -CU@C A +-CG -C -CU B-J B-J
J>C.@C2 @@ &* - , ' T( B-J C D $( ^ +@C
1 3 , H( -CA ->+ EG ,G A. A B-J i B-J
,-J2 > @D ->+@?J+>-> ,G -C &*3- , ' H
B-J - ,@D $0( D@JC@ +@D A ,>@ AD JJ@ CY
A @ EG E@ A. @SJ- @D -C ,@ A B-J -J
+ ,U2 @@ @A @ P B-J +B @ 2 =$+ D@ ,@C B-
CC @ -A B E> A@ D B-A@ +,G 41+ +B @
B- +@ , C-? B-J B-J + U@+ f &*3'&
B-J ,U@C2 A + A+ @S@C A. .@A@C ,
>J@C -A - @C D@J C+?@A+ - B-J A ++@AY
D A+ B- D C@ + > +-?@C +- +B + J C+ - +B@
JC@? @ B@C@ +B@ .--D +B@G B +- A J@ + -C
J>C B @ C@ +- E@ ?>AD B-J -CA $T &*3
& ! ( #[ `&6 ( !@@ , - 1" )! @+
;QKN & - K< 3 > B - +B@ @\ J,-G?@A+ B-J
U@@J@C .@+ 2 - A. +- +B@ ++C + -A - B JJG ab @D
.A2 D @C+ @?@A+2 -C B-J E ` ;K<N ( AT !@C
4 =LO B@ , +@ 3C :,AD@C -- B D -,,@ +@D .C@ +
A>?E@C - @A.C @D B-J E ,, J@ ?@A - +B@@A ) @C '
C+ ;98_3;8 , Q 2 ;O W; - C D@ ? A2 B ,,
E@ ,,- ) +- . @ B !B-JJE--U@ A D@A @ A AG
-A -C AG 3 -A@G D>@ -C 7 C@ ^@+ ;Q<K ' B
&) $ ( 8;KNQ( OP; 3 G J,>?E@C B @ ?@ >J
+@CA2 AD B B-J E--U E@ A. E>CA+2 B@ B A- ?@ A -
EC A. A. A +B@ B C.@ ;KPK B3 - ( $2 (
8@D M(2 &* ?&&.( E--U A B B ?@C B A+2 ?@ B A 2
-C -+B@C J@C -A2 ? U@ -C . A , @A+C @ - .--D -,D -C
-CU D-A@ ;PKP ' 7 6) ' ) T &- ', =O= , $
A .B+ +B@@>@ ) B-JEC@ U@C C-EE@C EG A .B+) 3NQ
$ !" . &'( O< - P P B@G ->AD ->AD >JDA B
E-DG -CC@ J-AD A. +B +B@ E,- D@, @C@D >J-A +B@
B-J EC@ U@C ;<NM 1 ( OL : A M O B C.@ - B-J
EC@ U A. ;PKM B1 ;888 & $1! ' 8;MQP( OKK
/ C O>+,@C @A+ ,- @+- +B@ B-JE>,U +- U@@J B ? @, DC @
;K=L B &- - 03*!( ? . ( 8;KP;( OP) ; -A. -C
-AA@+ -A A>JB-, +@C@C B-J CD2 SC-S $! & ' 8 !@S(
&) 3 &!! O>AD,@ MN - =E2 ++ ? +> @ + J@C S+
J@ E@ @+ ?@+@ JC@ 6 S ) @+ B-J ,-+B A > +-D
@C @A+ ;MKL ) .0 < ) 2 !B-J %-A @A @ 2
- &C-- . A + A # +B SMQ 3 $ 06 @ ) $' *(
8;MQL( OO !-? @ D->E+ +B@C@ +B + B WE-J / A@ B @
A-+ +B@ C .B+ %-?J- + -A - +B + 3 @D A@ ;P<O (
C 0 C ' ! =E2 C@@D A@ @ E> @ B ? @, @ A ) > A.
- 3 > U E ,, AD B-J ) > + ;PQ< M$ "0$##9U , '
- $DC =2 .--D -?J A -A AD ) B-J @,,- @ ;KL;
8 ) !1( C &-@? \ 3 U )XJSOV KP A-+
G->C +>DDG E U CD +B B-J , .B+ A +2 B@C@ -A@
A @@ A-+B A. E>+ +B@ UG@ 4MLK O # ,& (
8;M=N( <O !-? @ ,- @ AG !+C>?J@+ 8E@ B@@ A@ @C - B-J
, U@2 -C ?@C +-C -)( A .--D ,-+B@ ;K=< : ( $
OOO B>C B E> ,+ AD ! ?@C@,G # +B@ U- -
B- A. ++ @, @,,2 B-J, U@2 C-? +B@ +C@@+ ;QKN &
- K< ?C@ -, @D +- E@ +- ?-C@ +B A -??-A J?A
A >CA B A. ->+ @,@. A+ B-J , % J- E,@ ;MMP
( ) ( , '$! L;O C@ ,@ +@C2 @ !GC6J 2
AD -C O !E-J 3 . +C , 4P<L , LP ! O( ;N W X
B + @ B@ 7 @ @C B->,D @ @ E !B-J? CU< A @ E@
/ -X@A SK-S = ) 7 8 C&*( $! ( &' $ ,@
;KLO ;ON " +@C >AJ U@D +B@? +- @+ B-J ? CU
>J-A @ B C+ ,@ 4QPK 8 ( - *& $ ' ) &6( ;QN
G->C JBG A E@ -C G->C J> J- @2 B@ ,, A-+ ,- D G->
+B B-J ?@D A@ ;Q=N 7 / -> + ! ! ,( OL B@
!B-JU@@J@C . A. .C@ + D A @ +- %-A D@C + -A -
@CG ,-A. %C@D +) AD +- E@ DC A ->+ A !B-J -+@
4QN! B B %" & 8SK K( OM; @C ,G +B AU2
+B->+ C@ + +>+ -A2 !> B B-J J D AA-+ E@ @D MLK
A *( & ' - ( $' 3!&&- $ 8;K=N( LL= B@ @
>AD@C *->CA@G?@A B- C@ @ @ C-? +B@? +B@ >6 B-J
C @ -C +B@ C , E->C 4KMP ( ( ' $! K<
,-C + +B> -A,G +B +B@ !B-J J>C.@C 2 E>+ @ @A , ) +B@
-CD A CG / @+ / C AU > @D A 5 ? , @ 2 , ,KX- B \ 5>
C !$ 3 G +B@ C , @ , .B+ D - @C2 JC@ @ 2
B-,@ 2 + A 2 AD -,DA@ A +B@ C !+> 2 AD ? U@ +B@?
E-J C D ;QNK ) " ?$ ;; OMQ ! ,,- A.
O-,> >J-A O-,> 2+-.@+B@C +B ! @A.@C % C+ >,, -
,, +B@ C -+B@C !E-J ,-J ;K<K " ,! ' S A +B@ ,, -
+B@ G@ C B-J -6@D " ? B A@ C@ - +@A +- E@ E->.B+ -C
->J,@ - J->AD -C -,@ +B A + +B@ E@. AA A. - @ @ -A
SKK , 1' T &' !" [ [ ( KM= O B@ -A+ A> , ) B-J
+ ,U - +BC@@ J @A.@C -JJ- +@ SK< 7 !# +O@ G
'( LQQ B@ !B-J B A2 E@ +@ , A @,, A. ^@+ a2 SJS.
" - $ ' O; 5@E PKO O B@ !J @ AD D@+@ + @ 2 + B
# 

A-+ -A,G -C +B@ B-J +B @ E>+ @@U +- + B +B@ J--C +Y
A+ +C JJ A. ;KKQ $@J C$ E ' ( ?5. 1( 8;KMK( 2 OQO
C@ +B@C@ AG ->C @ - JC- + E@ D@ +B@ AA> , D D@AD
@ . EG B-J + U@+ -C -+B@C D A+ .@ - ? , C U AD
XKMS . ) , C 0 S OLP -C+ - E-J ,U@C2 B- @
D>+G + +- J @ +B@ . ,,@C @ ;K<K 9 . . ! 8
$' , > ;L B@ B-J ,U@C EC A. >J J C ,,@, +- +B@
->A+@C2 SJ-X 0 - 0 0 5@E ;MK #A@ A .@+ B-J
-CA U A. -C ,@ ;<N< S . . C$!$ ' ;;O &@ @
+B B-A->C B E@ -?@ , .B+,G B-J -CA
!B-J 8: J( 2 0 KU$ 1 * a
$' 0 - B>+ >J 8 J@C -A( 2 +- ?JC -A #
A A -C?@C2 @ D@A @2 @+ - > @ +- E@ ?Y
JC -A@D2 +- T .@+ 8 J@C -A( A+- +C->E,@ ' , -
+B ) *0 - -A,G !$' -C $!0
PKL 0 $ &2 0 0 PO E2 ^ B@Ga -A@,G
B-JJ@D J -?@ - +B@ % +B-, U@ +B A +B@ C - A@ B-> @
S )K^ 9 . # &) %& $ C ' " K ? A J C+ - B
# @ ^ E>? B 6MC a +- @ C AD E,> +@C + +B@ C +C@ ?Y
E, A. &C -A@C 2 AD CG2 %-A ->AD > 2 BG D- @ +
@+' !B-J B ? ;QN; ) . < ) - 1! ;;; " @ + ,U
, U@ --+2 AD JC@ @A+,G B-JJ'D >J OQQ;
) - * 0 !( :>A@ 8;K;P( ;KO " @ D D A-+ + ,, D->E+ E>+
+B + +B@G ->,D AD ? ++@C @A->.B +- B-J +B@ @ D@A @
E ? @, E@ -C@ +B@ A@S+ * , D@, @CG ;KLK 2
S + O C+,@?G+ ?@ B@A B-JJ@D ;K<< 3?
ON 3 G 4PN 4 ^" @a -+>A @@C@D -C @C +- B-J B J ,
%!( S.a) 5* 0 ,& 0 O *2 B@ E D , U@ @
B ) J+A@? @" @ A B .B@ + - +E@ C B-> @2
+ " - A + , A B-J ?@C B A+2 '&', 3) (
M . 8 ) ) ) S SS2 7 @C@&C D@ - B+2 5C >D
BDJ+ AD B @? DC- A +B@ !->,
- EC A. -C + U@ 8 A C+ ,@( +- B-J +-
@SJ- @ -C A B-J
SKKK ' . - &) " A " ;NO O !B-J +B@ % AD,@ 2
+- B A. +B@? EG J->A- 2 D-X@A 2 + - -C +BC@@ #A +B@ + -
@AD - +C-A. + 2 AD - 3 A EC A. +B@? +- +B@
J, @ 7 B@C@ ) +B@G C@ +- E@ ;QOQ . 2 ,,0
( ' S 6 ONM 7 B@A ->C --D C@ A $@ D A@ 2 @
@AD +B@? +- +B@ > +-?@D &, @ +- E@ B-J+ 5? & $ "
K $' 0 0: A ;= U ?G? A B@+B@C B@ ,, B @
O! 2 B@A B@ E- ) +B@ E--+ ^@+ a
) - 0 - + ) -J -C B-J O C +B@ J>CJ- @
- ? U A. J>C B @ 2 -C @S ? A A. +B@ -A+@A+
A> &? . $ &' $1! !$ - &' &' ;L '& D @ C@
D +- . - !B-J A.2 B@A2 A +B@ 5-C@A--A2 U - +B@?Y
@, @ 2 +B@G #CD@C +B@ %- ,E AD DC A. C-? !B-J +- !B-J
^@+ a 4Q<< &' !" ( [ [ [ ( OMP @A> AD ,, +B@ , ++,@
; > ] * ;K=P .
+B G-+) AD +B +
VJJ A. SKKK 6 &' 0 &3 $"
SSS 8@D L( O<N !E- ) / .2 -C ? U A. JC@+@A @ +- B-J
$' T - . @ 8 J@C -A( +> + -AV +- . @
8 J@C -A( -CU
SK Y B V ) & & ( ? $ 31&" D( +C @,,@D 4=NN
? ,@ >J-A +B - -A @C@ ->,D -E+ A -CU + , +
. -+ B-JJ@D A !B@CE-CA@2 A / -C @+ B C@ ;KKQ !! $
&) ' ;L :>,G ) M X B@C@ +@ ? AG ?@A B- ->,D C@. CD
+B@? @, @ ,A. +@H 73)@ +B@G A-+ +- @,@EC +@ +A@ C
E@ A. B-JJ@D 2 +@C B A. E@@A ->+ - -,, C2 EG JC@J g
!B-J2 -E -C? - 1 b
[P<; $ B - ( '0 O P2 B@C@ C@ @C @ @
+B + B >@ +B@ C B@ C+ C@@ B@A +B@ -CD B-JJ@+B
!B-J B- D ^ 1 10 ZK ) C a
->A+@C -C +AE,@ AJ-A B B +C D@ ? A'
E> A@ +C A +@D -C >J-A B B B .--D C@
@SJ- @D -C ,@
2 2 $ " ! LOK & D -C E-JJ B-CD@
A J AC B@ E-JJ A +@E@J@2 * *D SM- #' C 0
) ' ( C$ ' 0 " L=P 7 B@A ,, ) @ @ E--U@ -
9B-C+ + -A AD % +@ B ?@ 2 , @ ?->,D A. -A +BG B-J
E- CD !QNP B % & 8SKSK( QO " @ ? G
+ C @ E@B AD E !B-J E- CD2 -C A+ - >E +@A @ SKMS
) , C ( SS OLL #A @ @CG ?@C B A+' B-JB- D
? , C B@ J C@ +> ?B,> . ->+ - ? , C @U
+ E D -C C @D J, + -C? >J-A B B + ,-C
+ B@A @ A.
4PK< C$** 2 0 $ , A "!" T ( 8SJ- ( =;O
#A@ @@ A. ,, -C+@ - B BC) D@ 2 ->,D +B AU@ E@ E D
C-ED + G,-C B-J E--CD L/ & - $.
1 $) 8SMS-( #' S E2 A+@C " -D.@ + B B-J E--CD
$ +2 ) CU@2 " A 2 AD E-G + -CU ) OQKO - $Q
& 8;QKN( =M #A@ D G ++ A. C- ,@..@D -A
?G E@ ) E- CD2 @,+ +B@ J C + +B A ?@ ?- A. 4KLQ
' 8 2 , 3 &! 0( &!! $ $"( D BY
A. ,G DC@ @D .@A+,@? A2 C-? + ,-C' B-J E8) D
$ 13
$ ;MPK . 3 . ) C) $' >2 7 +B !B-J B- D OC@@D A.
AD A+C> -A2
!B-J -, 8 J'J +V,( T ^!@@ & * a ?> B -C
? AG B-J ,, B-,D
;KLK +C ?$!0$, > 0 8 -, ,, ( OL; ->,D
G "+ ->,D EC A. ?@ B-J >,6 4<N4 * , $ & [O # +
P;N O 8)A@ B ) >, - > +-?@C ? G -?J,@+@ +B@ C
J>C B @ E@ -C@ A-+B@C D? ++@D
!B-J B C 8:D ( 2 6 2 ) $!0 , -
+- C ^" @E * (H A A @A+ " @
EC@ ?> , A +C>?@A+ > > ,,G ? D@ - >C @D
C ? B-?V + ,, > @D A :@ B C@, . -> @C @
O &H 7 . " ' ,0 $ 0 O<O B@ !B-JB C +B@
-A,G "@EC@ A +C>?@A+ B B B E@@A JC@ @C @D +- +B@
JC@ @A+ D G A +B@ C@, . -> @C @ - +B@ :@ ;KKQ
C$!! $!! <$00 P 3 G SX B@ +C>?J@+ ] -C B-JB C2
+ +@ BA ,,G ,,@D ] > @D A +B@ :@ B C + >D -A
@C+ A @ + , +- ,, +B@ B@ C@C +- C @ J @ A + A @ ;K<O
? 7 8 . . < & "2 B@ ? A +@C C@ > @D +- E,-
+B@ !B- C +BC@@ ? A>+@ +-- @ C,G
!B- JU@@J@C ^ 1 10 : 1 V "
#A@ B- C @ -A E> A@ A B-J
. 7 OMQ ;! B-JJ@ U@J C ;MOM O # $*!
&B 2 ; ==2 ; G '+ A-E,G D-A@2 +- B@C B !B-JY
U@@J@C 2 AD J G +B@ C O ,, 2 +B->+ @S ? A A. +B> ;QMK

B ( $ ( 8;KL=( ;=O B-JU@@J@C ,, A@ @C
+BC @ B- D@ J @ ? ,, JC- + ;KSQ : C$
0 L A @,D@C,G -AD-A B-J U@@J@C
E ' $ & ' & % &*3. * [ JJ, @D D J C .Y
A. ,G +- A + -A B- @ B @ A+@C@ + AD -A @CA
, @ A -??@C @ 8A- - +@A2 +- A. , AD(
% I>-+ ;QMM2 ;QM< ! 1 1 7 $(
;QQK ) 0 0 3 ;;KOK( =; - ->AD
.C@ + @?J C@ -C +B@ -,@ J>CJ- @ - C A. >J J@-J,@
- > +-?@C 2 ? G + C + .B+ JJ@ C JC-*@ + + -A,G
-C A + -A - B-JU@@J@C
$ 1(
;QQK ) 0 0 3 m;KOK( L , > @ A
+B@ ?-> + - A . + -A @ + E, B@D +B +C>,G B-JY
U@@J@C JC-J- , A+- ,
/ !$' 0 A C+ ,@ +B + B C@? A@D ,-A. A
+B@ B-J >A -,D
;M=< 2 . '$ , 0( '0 ( 2 O,>A+ $@ -A2
A @ @ --,@ +B@G. @ #,D !B-JU@@J@C2 +B C> +@D
%-A @A @ ` ;QM= &2 % QM &@++G O--U @,,@C ,--U A.
->+ +B@ C ?J@C @ + AD A+ @A+ !B-JU@@J@C 2 +B + +B@G ? G
@SJ- @ +B@? +- ! ,@
"@A @ ? 0&c * * 59) ''&', 32 0( @? ,@ B-JY
U@@J@C - JU @J@C , $(( B A. +B@ A +>C@ -
B-JU@@J@C !B- JU@@J@C, SA2 +B@ B C Y
+@C + - B-JU@@J@C , !B- JU@@J@SG2
+B@ E-DG - B-JU@@J@C
;KOK 3 = 1 ) !!$ PP B@ B-,@ C?@C .@
AD B-JU@@J@CG - +B@ J, @ $ &J . . 6 - !0 A
5C->D@ % &' 0 8;KK=( : LL; B@ E->AD,@ @,@?@A+ -
+ DD,@2 D ,@++ A+ ?22 B-JU@@J@C ? ;KPK $-10 6 - !0
4 OM; - + .B+2 JC ?2 J ,@2 @ .@C B-JU@@J@C@ @ $ /
. B7 C& - ( @+ 8;K)( : ;ON S+C@?@,G E-JU@@J@C B
AD ?@C B A+ E
!B#'JU@@J > . 2 10 B@ U@@J A. - B-J2
+B@ E> A@ - A-JU@@J@C
%JL 8 . . &- & % !! $ LO ++,@ !U ,,2 C+ -C
3G +@CG2 B ,, ? A ,@ A@ A !B-J U@@J A. ;QPL ,&
$ ( > . LQ= O A +>C , X@D -C@ .A@C B->,D @+ >J
B-JU@@J A. ;K=Q < < , SSS " OMK "@
D @D %GC> +- @A -C @ >J-A +B@? B E+ - J, G A.
-A +B@ E?J AD B-JU@@J A. ) ;<SO ;< ) ' 0 : A M;
" 3 *@ +G ,, ? U@ B C>,@ A AD C@ , .- @CA?@A+
AD A-+ B-J U@@J A. -A +B@ , C.@ + ,@
!U# JU@@J 6 . 2 $0 ^ 1 10 a . * ' JC
JJ,@ - : 1 * " A. +B@ B C +@C + - '
B-J U@@J@C J@C+ A A. +- B-JU@@J@C' E> A@ 2
SK> 8 . ) 0 ?$ ( Q "@C -C B J B .B,G
-CA'D B-J U@@J A. +C D@ ;<KK : B &) $,
? 8;QQ=( [LO !B-J U@@J@C ,, A@ @C .@+ +B@ ?-C@ %> +-?
EG E ) A. B %> +-?@C AD B + +C>@ - !B-JY
U@@J@C2 +C>@ - !B-J U@@J A. + -A ;Q ) - .
0 OQ JC 2 7 U ;KLK ,, ==; B B AD @ +2 B-JU@@JY
A. + +@ ,,2 -C + - A U@2 ,@ CA +- E@B @ ?-C@ ,,G
+- + > +-?@C ;KMP $ ( 0 Q # + =M; O -+B A.
,@ > +@D +B A +B@G C@ +- +B@ B-JU@@J A. ? AD A E@
? . A@D
!A- J,@ 2 + Y". V / @ + +>+@ - B-J
$ B ) &*( % ,$ P B B-J,@ , AD
!B-'J,@+ ^ a , ++,@ B-J
;KQO ! B . 2 &' P= @A -A +B ,@D.@ -
B>? A - @+G +B@C@ +>A+) .C- +B - B-J,@+
+ !B-J , + 1( 0 ^ 1 1(N 6 1(
8 @A @ M( , ) ' 6. 6
I>J ' ) $' ' ,$ 0 ;NM % &*! % 0 !B@
W -??-A,G @6 , D 1 ( ;<; B@ +@A+B !B-J, +
+B + CC @ O-E2 7 B@A E@ C A.@ +B@ % +G +B@ !B- ) -C
+- C-E ;K<O ,$ &' S "- C@ A !E-J , +
OC@D @ -V@A B-A@ + C-* A D--C OQMO ) 7 & '0
$ 0 8;Q<Q( O<Q B> B-J, + @@ +B@ C EC-+B@C + U@A
!B-J, +@C2 ^ 1 10 a 6 V
J@C -A B- +@ , C-? B-J2 B-J +B @
$ + Y: V % 0 & ) S OLO - CD .B+
+B@ @ " -> @ C@ +BC-A.'D +B &@-J,@ - ,, -C+ !B-J
, +@C 2 5- ,@C 2 O>,U@C 2 S) - 6 - !0 &' 0 &
< '&$ SSS O B-J , +@C -A @ E A.'D A A.Y
, AD SKKS 7 1 $ " =Q B@ J J@C ,, , DG B-JY
, +@C 9,@J+- ? A
!U# J, + ) 2 ^ 1!0 10 ^ 1 10N 6 7
1!0 , a B@ + -A - +@ , A. C-? B-J
OM<K , ON !!0 0 OO &C@ ?E,@2 B@ %C ?@ -
!+@ , A. --D JC +@,G ->+ - !B-J AD8 7 C@B-> @ 2
-??-A,G b,,@D !B-J , + A. ;KPN " C = B 0
C $, 8;KQQ_ [LM , DG -A +@D -C B-J , + A.
!E-J > > 8:) J?)A( ^ B "-5 10 &" = c 4
B@ - A@C - B-J - $ (
;P<; A 7 3 7 ,, ? ''0 &) ' T &0 8;KM
@ D@A 7 + C AD B @ E@@A > @D + ?@ ->+ - ?GA
,, !B-JJ?@A AD !@,,@C - ? ,,@C 7 C@ SKM- $+
E' & $ e QM '& 0 " @ 8+B@ -A >?@Ca J G 2
B E E,G2 A A+@C?@D +@ B J - A@C2 @, @+ ?@C B A+2
B-J? A SKKK = ) $ & % & ' - 2
B-J? A J ,@ B@ J 7 B ,@ J@CB J ? + A.
/ A + A+ A B-J
O>/ # ! - ;P & 3 G @2 +B->.B B@
E@ - ?> B > @ B-J? A +- ?@2 B@ ->,D J>
B AD +- +2 A- -A,G A ?G G S ) '' 0 0
7 ,, ? -E,@2 B-J? A +B 3 C $G?@C2 &-C+ E
UA@ +B@ JC -A@C O>CU@ ;K<O ^7 2 " 9 V $
%& ! 0 8@D P( ;QP B-J? A + +B@ -+
&-10 4KOM 3 = 6 ) !!$ :: 4<L " -?@
+>CA@D2 , D@A +B B>.@ J U .@) J J@C@D ADa
+BC@ D@D A B-J? A, U@ +G,@
O, -J--C -G 8:)8J'UC ( ^ 1 105
%O %+ a !B-JU@@J@C , J C A. +- 8
? J-C+ A @ @ ,+BG -C AO>@A+ , E-DG -
U@@J@C ! - !, -J--C + 8:))'JD)UC @+( Y"
?@?E@C - %B@ B-J- C G ) - $ 1(
;KLO C&& - > <)$ $' < :>A@ =;< T B@ !B-J-
A ?@ A@ .BE->CB--D @C@ -?@ B + , C?@D
O< / @ 2MPK E-J- C + & C, ?@A+ ;K=; ?!$, . 2 0
```

[illegible]

[illegible]

[illegible]

- ? @C ,,G ; VC@ J-JJ@C ;KKM 3 M . . 8
WMIF D? EC (# B-C V E-#+)-C) B-C@ J-JJ@C
B@ C +B@C -A+@ JJ+>-> ,G) ,,@D EG +B@ J>A+@C ;K=
8 & $, P; 5C A@ A. C) 2 +B@G B @
E@@A ,,@D EG -?@ -G @?2)-C@ C@@ ;<NN !B-C@
C-J@ 8 @@ & H L% " L$ e M;L @ A @A+
C@J-C+ - C@@2 EG +B@ &@C A !@ 2 J-A +B@ !B-C@b! AD 2
B B A->C B@D +B +B@ ! ,+ 7 +@C ;KKN c 9 .)1 8. 2
d (! d' !' =LL + ?> + A-+) ? . A@D +B + +B@
E-C@ B--+@C E . -A,G B-C@ E CD S)M] && ' =
' OP< !B-C@ B--+A.2 5C@ B +@C A., A.2
AD !@ B A. A@ C 1 C?->+B ;PK< A 5 $, ,0 &'
' 0 ?) ,& 0 8;KQN(KN< ! % D@ +G- B- C G,>@C
, E@ J') +@D ++ +B C J C+ >, C J- C+6 - .>D@
,E@ +C A J-C+@D >C+B +A C- : 5%!& 0
S ;L= B@G C@ +,, ->AD A.C->J 2D J-C+ A. A +B@
,@ D AD B-C@ +@C T ;Q<M 7 +" $ # ? 0 C!$ ' 8@D
L(;<P & !$0(H>P ' 00H' !B-C@ @@D 4KQ4 $ . .
$)!!) S+ MN 5C-? ? D B-C@ @@D H0 5 $! $H SKW
= B))E & ;N= 7 B + ,,@D B-C@ B A.2 A
-A+C D + A + -A +- D@@J @ B B.

E +B A ?@ - A ? , B-C@ E@@+,@)
E@@+,@ &% +B@ ? ,G C - !) B-C@ E CD2
E CD +B + C@I>@A+ +B@ @ B-C@ -C@ +> C @ ,(
+B@ AD ? C+ A2 & *$ $ B-C@ -C E2 +B@
- ? ? -A ? ,, C E2 $, ') - - '$ H B-C@
A B 8 @@ I>-+ (B-C@ B2 .@A@C ,A ?@ -C
B B- @ B E + + B@ C +B@ B-C@ B-C@
B-JJ@C2 *>?J@C2 ? ,, C>W+ @ A - ?@ .@A>
, $ B-C@, CBV A * " 8 -C?@C,G !$) +
$ * : B-C@ J J +2 +B@ C-) ')
&1 ,)) H B-C@ ADJ J@C2 +B@ ? 2 $,
*) '$5 B-C@ A J@ 8)(+B@ - ? ? -A ADJ J@C2
& $') ."*&!),) 8! ? -A **$- ? >+
=1+ E((+B@ .C@G J,- @C2 D)$ $ $!$ + ,$H
B-C@ ,,- 2 +B@ AD ? C+ A2 E *$ $
B-C@ A -+2 A .B+ ? -+B2) $' , ! &Y
$ (->AD ?-A. ADB ,,

;KP=) ! @+ $'0 $ ((;<P 0>CC- A.
!B-C@ O@@+,@ 8& ?@, D)(SS! ! 7 +S>-!0 ' 0
8;MQM(;PM) ' & *$ $ & T B@ ! AD 3 C+ A -C
!B-C@ E CD SKKK ^ @@ & 3 ' * (++. - 9
* , ' ( ) $, $? ( ) (+ $, ' '$ (%-?Y
?-A !B-C@ %C E ;KM< QL $:#3 + $! ?.(?
0 ;Z7 B@ !E-C@ 5 A B@ 4 - - & &-) + C@, U@ @ AY
,>D@D A +B@ ? ,G - 0>A+ A. 5 A B@ SK- 7 .
' - (? & (8;KNP(, O=< ^ B@ C @Aa @ +)KB-C@ B2 AD
KB@,, M E SKK- F<B) " S S OMN B@
!B-C@ B@ - +B@ @S+C@? +G - C 4KML c 888 !!) 0
$ ((MOL B@ !B-C@ E-JJ@C ! ? $+
, - J,@A+ >, -A ADG - + SK) 9 ?"SI I I IS
) $, $? ( ) (=K , $! $(2 B@ - ? ? -A
!B-C@ :>?J@C 4QQ4: $ A $ $!(' % ' 0 (- 0
;O !B-C@) CU !$) $ $!* (4K<L (8 (
? P;O B@ !B-C@ CU A >C-J@ A + @ - -A,G +B@
@S+C@?@ A-C+B ;KLN = 7 . B 3 ? (? 4<= '
) $)$,) 0 B@ !B-C@ & J + 4QK! , ,
N&&!0 =K; !B-C@ ! ADJ J@C ' $ & $0 SKKK
B B . . $ - &% ? ;<; '& B@+@C ? T B-C@ E CD '

L A J@ 4KM< QL $ #
XS B@ 3 ->A+ A -C !E-C@ ! ,,->) = & "! +(4KM<
(8 ? (& #9 B@ !B-C@ 7 A - + =),$' $
! & $! +0

+ ! B - C # ,(1 0 5 - C ? = P - B - C2
K-B-GC8@2 -B- C@2= M B-C@2 -B- C28Q B- C@(
^$@, +@D +- 0 6 3 @A @2 +BC@ +@A A.2
' B ?), MO; B@ % - ? +E .C@+
B-GC AD ? AA GA. %4=QN ' & 0 $1(S
&!% B $ - 1 2 ! +BG +B@C E@ -C@ " @,D ?@ + E +2
E +B +B E- + AD B-C@ ;PSL B7 . ' 5) &C-,
;NP !+ AD + D@ @A 2 AD BC@AU A- B+ -C B-C@ ;PLW
8 &'(,& 0 8$-,, (,# B +#CGA +B ?@
? A + +B .C + @E- C 4PMQ <) <& ! ?(8! ! (
MN 5-C @ ,,2 -C - -C E- +2 -C X + -C B- C2 8) B C ?
@+2 , ,> @ @>@C ? - C %4MPN < - A C ,"
&!((8;KMQ(LQP , 2 B@ ? G ? U@ .C@ + EJ + AD
B- C@

! B - C @ 8:-bC(2 1(5-C? P M O-B-C@2 M Q
E- C@2 Q < B- C2 < $!(E-JC2 P B-C@
!$ [> V0 , & % -C - .A 3 2 3 />
, & , 8 /> .&& ? (JC-J2 + G
.& 1$ 8 -C .& $.& + - +B@ ?@
?@ A A. B@ >,+@C -C @+G ? -,-.G -E >C@ a
J @ @ - + ?E@C -C C-A @+ -E, I>@,G . A +
+B@ D@ - E> ,D A.2 - B J A D- U2 @+ 2
>JJ-C+ B@A + A D A.@C - ,, A. #C B@A
2>AD@C.- A. ,+@C + -A -C C@J C JC-J -C +C>+
%4==N C &- *(C$ 0 ==K ; ! B-C@2 >AD>C @++GA.@ -
+BGA.@ U)+ 7 -,D@ 0)**& &)-(%4=PN ?) PQQ
AD +@C2 AD@C?GA@+ E@ ?,@ AD (V@ +->C@ 2 AD @++@
B-C@ AD@CA@+B@2 AD +@C2 @++@ ?@ B-C@ -A
GC@2 AD EC@A+ B@? ;=) $ $! ,,0 ' (8 (
;QP %@C+ GA B-CG - >J @D E->.E+ +B@ B-CGA. - +B@
!->@C .A@ ,@ A. A +B@ D-UU@ - . 7 &' '(
&! ' 4P=P L B@G @C@ ?@ +- > +@ A@ +B@
+ D@ +B@C@- +B B-C@ XM=Q A , &!& $
4 O=O - + U@ +B@ D ?@A -A - +B@ B J2 +- D@ @ +B@
-CU EG +C U A. D@ +B@ B-C@ 2 SG) -) & '
8 ,-E@(QP2 . -++ - !B-C@ -C & + *J + B'D ,>A+.E+ +- +B@
-J ;Q=K ' & &"0 ,, L=; B@ ? +ED >JY
J-C+@D EG +B@ B-C@ AD EG +B@ BC- D CK L & : I .
C $, (?) ! P<; $ (A -E6 I+)@ JC-J2) A. ' '
EC @ >J-A) +B@ D@ - E> ,D A. S \b *B.) $ 0
') (Q<K B@ +D@ ,? - U@D G +B@ B-C@
B B >JJ-C+@D +B@ B J XKK % " $ ' '
E * ' ' L B@ -CD A CG > @ " , U? . B-C@
E '6 0 8 - $ - ? ? -A A +B@ M+B (
9 # = ! + B@ >E>@C +-A - 3 -C , @ ->AD Y
+ -A B@C J-A B@ @+@+E +- @+ +@ AD B->@ AD@C E
B ?,@ B-C 2 +- AD@CJC-JJ@ +B@ J-JE B C B@ ;PKN- B.

$' (&,. O;= &@+@C +B@ J- +,@ C- U@ AD
B- C@ - +B@ %B>C B@ 4MNL : . . ( ) . 8;MO;(
4[OQ B@ +C>@ B- C@ - +B@ >A + E,@ B@@,@ - -C+>A@
;KL4 . . $ (0 ? 2 "@ +-- + AD -A +B@ D Y
? A+ A@ E - B 3 AB--D2 + A. D@ ,, JC-J AD
B- C

/ JC-J -C + U@ > @D -C C -> J>CJ- @
SM-S ' . .) C! ' " S SS PLN +-> B A. JC-J
AD B-C@ +- >JJ-C+ A@ 2 +B@ E@ + C@ +B- @ - +B@ #U@
-C #, @ +C@@ $%>K ' . & - ') > (& ! , ;N<
B@ " >A+@C B>A+@+B ,D E@ + 2 B +@ + B@ E@ @++@+B
7 --D +B -G, +C@+ B@D ->+ >J-A !B- C XK-K # R
I & +B@ JC-J -C >JJ-C+ > @D A -A +C> + A. %!$.
-C A ,- A. ++,@ 4K=Q ' . . 8 . . ! &$ 0 + U@ @+
+ D + A @ +- B@ C -C E@ C >J +- , -C A@+ A B>A+ A.
1 0 & J- + > @D +B B>CD,@ A -,D A. B@@J
& (

,-J@ 1 ($ 0

VP=K : ' 8) C & (m;KMQ(=Q 1 @ ,@ A@ 8 I>-+B B@(
+- +B@ C-A. B-C@ SMKS 4 I & ' 0 C $. M; 7 B@C@
-A @ . A +B@ $-- D-@ ,-J A. C @ A +@@J C . . G2
AD ,>EC U E- C

! $ 1(

4KMQ $!& > & 31.0" & 3,! $ B@ G ,@ +
E-,+@D -A +- +B@ D@ - @ @, +- >JJ-C+ +B@ B-C@ B@ D2
AD > + A +B@ B J >JC .B+

670- 1(' Q B- @C2 B- C@2
_ B@ C KS 2 3
M 10 " ! !2 1$Z?D
= ! 2
: !2 1 / 1 1
1 ! 1 1 2$
> $ T?/ ,&- -&' & D
< !/L C M N $
,&- -&' '& 1 D M ;

O/0 - . ! & '$"00 - ? ? -A B-C@ , U@ -C AU@
M) C (;KM ?J+ @ -,D@ C@ @J+ ,@ 2 -C
- ? ? -A B-C@ - 6B@ SMS $ ') ' >
>) . 5 = E2 " @C@' >,+ ,@ D +- +B@ - ? ? -A B- @C
@ %%> " - &!(' (' ! 8;MQ;(2 B@ -?Y
?-A !B-C@2 ,&)*) - % & - ? ? -A !@ @C ;M))
' 7 C(PPK #>C G, A. !B J , U@ - ? ? -A B- C
@ > @ 4QNP)) $!" 8;QLL(-M A@@D A-+ ?@A+ -A
+B@ -,D - ? ? -A B-C@ - $- ?@ ;QNK ? 0 %&!!& - OP
L O B@ !B-C@ + AU 7 B@A ->, 7 @ +B@C D-@ - ?@
;Q<O B 7 $ 0 $' , OMO 7 B +2 A J- A+ - E@ >+G2
B SVAD-A +- D- +B +B@ B ?@ 2 AG ? -C@ +B A +B
5 @@+ D + B2 E>C @D + 2 - ? ? -A B-C@ SK K ?!$, . 2(
$ (3 G ONO S " @C > U@AE--+B A- E- U +B@ -?Y
?-A B-C@ 4KK= - N - 2 B@ -S D>.
->+ @ @A+@@A G CD C- ? +B@ ?->+B - +B@ B-C@2

E $' %0 AD 6 0

O%&J < ? $! A 5>,,@C 1 ! (8;KMQ(OMN
-2 B@C@ +B@ ? A +B + + CC@D $-?@' - ? ? -A B-C@ SM<
B $A - 0 8;M<Q(P;O B@ 6A.C +@ >,, J@C -A
3 -A +@C B B ,, BC- + AD O@,,G U AD - +B-C->.BY
C@2 -C - ? ? -A B-C@2 -C +B@ .--D +B A. # +B@ 7 -C,D +-
A+- $>+/ ' 7 . . C E 3, (+@C +B@
-J@ B D ,,'D B@C ,, +- A >.B+2 +B@ - ? ? -A BJC@ ,,
7 U@DA@ 2 AD +B@ AU - &@CD + -A 4QLL T 3
$!$ " e O 8;QL=(XKM % CC @ + A+- +B) # >+ 8+B@
- ? ? -A !B-C@2 +- E@ +B@A @ CCG'D ->+ - +B@ " E +(2

- $ 10" & 3- $ '"32 & . (

SK X = 8 &' 0 $1&) ;PN O B@ J@C -A B-
C@ A +B@ B E + - @ C B A. +B@ @ @C 2) +B@? @, @
B-C@ ?@A" -C B-C@ -CU@C ' 1 (5\ # B@ B-C@
-CU@C 2 B@A E->+ +- @A+@C +B@ @ @C 2 JC- D@ +B@?Y
@, @ +B A JC-A ^@+ a

+ ! B b@2 P%!" ,0 (, - ! !
M K-, 8) 8&- E,G C@JC # ,& ' JJ,
- , $ b(A ,& 'd %J @ J @ 3 -C@
JC-E D@C + @ C- ? +B@ ?@ C--+2 #CC@ J +-
/> , & 8 7 5C .& ($ (5C , (.& +
B C B2 C->.B2 +@@J , - # " ,& & 8 3 "
, & + C>..@D C- U a !+@@J2 JC@ J +-> : C>..@D
8 ! B ?), S OO B- C C .2 EG@ AD@) D
-> 4= $! ' , &' 8" U, ! - ;KK<(B@
.C->AD@ -A +B@ ->+B C D@ ,G@A @CC J>+@* AD ?@ B-C@
+--2 -C G@ ? G - ?@ A- A@C@ +B@ ? +B A D- ?@ 2 S.SL
B7 . ;P A A@ EC D - AD 5,- +B@
B- C D@ J $ $/ / = 7 !& LS= B@
C . B .B AD B- C

670- 8 -b (V , - # -C@2 B- C@2 Q
B- C8@ ^ 1(8 B B2 B- @ @C2 A-+
C@ -CD@D - @ C,G(2 % 8 3 2 8 3 (/>2 , '
$' 0 - JC-J2 >JJ-C+ +B JC-J , -
8A- $!"+6 0 # +@A +B)*0

;L=N " '1(ONQ " -,G E@A@ E @+ ?, ^+a -, -C@G@ -D2
-C B G -C@D ? D >->C U A.@ @ ? D >->C J- +@ ^;L<L
7 . A L L =Q @ @C@ B + AD@C B-C@D @C+@
B + B-,D@ A + + AD@ a ;PL= <&! 0 ? . 0 0) !(
*^ P=M(% * E2 +B + +B@B-> @E@. A +- ,,@2 B-C@ AD + +@
+ A-+ +B J @ @ - ,@AD@C +G ? EC@ $ O/& ' . . &'((
'0 (L=E2 B@ +@C,GA.@ - +C-A.,G B-C@D AD
-C+@ @D +B@? @, @ +B + +B@G ->,D A-+ JC@ G,@2 SWKS
= B . C& &' SSS 8;KKQ(@ CA A. B +B -?@
+C@A.+B +- B-C@ J +B@ J@C -A ;MLL & - . C) !
!0 4 SSS 2 B@A)B>A+@D !+ .2 A- @,A .B + C'D2
!B-C'D EG A- U2 .+A +B B B@ D+- J, G ;MML <
&) ' !O< - B- C@ +B@ ? DD,@ J C+ - +B@ E@ 3 - +B@
7 AD- @ SMK- % ( ) , 0 L=< %BC + ? .B+
+ AD >J-A BE - A ,@. -A@,G2 AD A-+ E@ AG ,-A.@C
B-C@D >J EG +B@ O J+ + ;QQL Q X . (8;KM=(QK
B@ @ -AD ->,D + ,, +- J @ @ 2 >A,@ B-C@D >J "
A @C@ -E@D @A @ ;Q< 8 7 % - !($1 &
>J-A +B@ E,- U 2 AD)*$?&$ 0 7 B@A E- + J, @D
-A @ B D@ +- JC@ @A+ + ?,A. @ @C , B-C@ , &
-+B@C 4K=; C C$! "> ' (=K " @ J>,D B @2
B-C@D >J +B@ @ >> ;KK= 3 , &
C!$ 8;K<O(;LP B@ -,D AA2 ,-A. B-C@D AD +C> @D
AD E>+C@ @D
O G >J2) 2 .$ *%0

;PQ< - B . . ' T C$ 0 ;OK 7 @@ ? G @,, E D B ?
B-C@ J E @G@ 2 \ @@ 4MNQ =)) . &' (&
" 2 !B-C@ >J G->C @G@ 2 AD ,@ D +B@ G +- +B@ .--D, @ +
J@-J,@ +B + @ @C +>CA) >J +B@ B +@ - +B" @G@ ;M;Q
. . 60 ?*0 !" ;; S =O; B@C -C@ B-C@ J G->C
@G@ 2 .--D 3 C D -GAD@C

' 0 - ,@ A2 ,-J@2 B@, @ 1(

S. S - - 0 $ ( ) 7 U ;KQM LOL B@ -AA@
^ A A+@Ca E--C@+B - ,- @ EG +B@ .C->AD@ +B + B E@?@
+B AA@ U, >A+@+B J-A +B@ .C->AD@ 4PPP 9
$! $, &' A L= C U@ B-C+@C +B A >C-J@) E>+
EC- D@C +- CD +B@ # @ A2 B@C@ + C @+B A+- ? ->A+@ .A@
AD B-CGA. +- CD +B@ 7 @ +@2 EG 6+,@ AD , +,@ S@+B
? -C@ +C@ .B+@ SM - = $ C0 ;; S, S O<L B@
B-C @ ,,2 + AD B- C A.-C ,@ A A. , @ -A +B + D@
+B + B@ B>C+ SM S 1) $ 0< 0 ? 0 S ;O;
B + D@ - +B@ %->A+CG J CD2 +B + ,@+B B- C A@ A+-
+B@ +-J SM X =) ' C ' (OO= B@ @
?@)D@ ?> + E@@JC U+ ,- J@ @ AD C- @2 B@ C A.
,-A. + +B@ .C->AD

! B - C @ 2 ,(AD '& 0 5-C? = M B- C2
\39 B-C@2 M B-C@ ^O@,-A. +- 10c
- -E >C@ -C . A J@CE -.A $0c]
$' 0 - +BC@ +@A , - $1 &!(-C ' 0 +-
> @ +BC@ +@A A.

B ,(0 $ ' S, ,2 = $ $+ PK !GA@ +B C +G?@
) ,D B C B-C@ +B .@ E ,D I ;=NN *&!(& 0 KP
" -CE@D A. +- -C B J B@? -J>A,G ->AD \ ? AG
@A >A @ C@ B-C D +- B@C -C @E J C , ;=QP $)*
&! $ QLO B A B@ %- ,)@ C I>-U@ F>B@A B@ B CD +B@
> +B G A- B@ +B@ U A. B-CD $ S.-- - B
C& - S LM B +- -CC@ +2 +B G B- C +B ?-AG C UU
S XM $! 2 !! C$* = &[[[5 + PL 1@ AD G->C
-C@ D -?@ >C+B AD) .C@ + ? A A. -CD 2
B- C A. * ' @E- A.aG@ D :-BA@ AD B @C AD
-C +- , G +B@? J@C -C @ 4P<Q = 7 ,(C& -
S MP BG E @A @ , - B-C@ - >+ ?G EC@ +B 4MLK
$ . . (" - ! 0 80 AA +GA@ %,>E(P; B@ @
C ,@D2 AD B-CD B ? +B +-A@ AD @C@ -?@ - +B@?
J>A B@D 1 (QM A>?E@C - -?@A + -A2 AD D D
B- C@ B ? +B +C- U@ S! S &1 0 , . "" =
$' " ;L= 1-A --+G %,->D A-C@ $ A ;QKM B
)$ ' $ - !&' L 3 G* 1@', +@ B @ B ? @ @CG I> CU2
A B-C@ B ? @@, C B@,, S&-S " ' . B
, ! "!! MM B@ C@ + +B + @C@ E@.>A - B-C@ > ,,
/ -- @C 8% ? , C D ,@ + ,> @ - $ '>0
@@ ' 0 $!(0>+

;QKQ B C &' ?)$ $ OO J A@.GC CBG?@2
@A B@ B-C'D ?@ SKL !L ! 31 ' .
!@C O; - ? J, ?@A+ U AD,G AD D@ @A+,G B-C@D

i ! B - C@2 1 0 ^ JJ C A+ - B O; O
+B@ ->C @ - ,&) E@ 3 /> -C 3 . '(+B@
C + -A A +B@ A + , ? G E@ D>@ +- D ,@ + , D @C@A @ -
JC-A>A + -A - +B@ -A+ A@A+ , -CD 5-C +B@ - @,
+B@ -C? ,& >AD@C B

$' 0 - ->C -C ,@ A @ EG C>EE A.

%4=MN C & - *(C$ 0 87 A B (;<O D + A.2 -C B-CGA.
- E CA@G 2 * - $, &(4PL4) &' ' " <) ! 8;<N#
ON; & GD@ +- D CD@ C@U@+ -C B-CGA.@ - +B@ ADG,
+GU@ 4PM= A ? 0 $ (8;KL=(4=K +'? JD -C
E-C@ A.@ +B@ @.-,,2 *)

! B - C@ 8*- ((0T ^ ; QV
' 0 - . - B-C@ # @ @, - C>A
.C->AD

SM-- # A " U,>G+ &"0 K=K B@ B J B-+ J +
+B +C- U@2 B@C@ @@ +B->.B+ B@@ ->,D B @)-C@D SM=W
B 6) "$! = ($ 8;K=P(=L B@G +B AU
+B@G C@ , A. +- B@ @A2 AD UA- A-+B A. + ,, +B@G
B-C@2 ,@@J A. A +B@ , AD - D@ +B2

/ $' 0 - J>+ B-C@ +- , AD 8J @A.@C -C
.--D (+- E@ B2 C>A .C->AD 8 @ @,(
SMSS ' 0 0 KM<) ,, EC A. +B@ @ + -
3 - ,@ 2 +B@ @ E, AD -A@ 2 E--CD B ?2 B@ +B AU@ + + +-
B- C@ +B@? . A@ :@+ B ? ^@+ a S SS 1 " 0
4 NK !@+ B ? B@C@ B B@ C+ ->,D B >@ E@A@ B-C'D2
;KP< . : &) ' !&,. 8;KM;(;K - J@A @ J@C DC +
J D -C B-C@ A. -C, AD A. +B@ B C- ? +B@ @ @, L
1 . !$ &!.3 & ;OM B@ E- + +@?J-C C,G
B-C@D -A +B@ E@ B

-E-CD@C B-C@2 E@ +B@ B-C@ -

KL : (1 > ! O , ++,@ . CD@A :> +
B-C@D +B@ C @C A + EC--?G JC D@ 4KMP = ,0
? 0 C !& (OQL %,@ C A.2 +B@ B-,@ J@C -D +G - +
? +@C , + B-CC-C + DC@ D -) A. B-C@D EG -+B A.Y
A@

! ' 0 - $!&' 8 - +(

4MLL 7 8 $"0 LL= !B@ C A. ,-A. -C ->C@
- B>ADC@D ? ,@ 2 +B@ B .B@C AD ,- @C % , EC A %- +2 @
, AD@D + J,@ 4QLP - 6 &"0 &) ' & ! 8;K=N(
;M< B@G B D E@@A & ' " +B@G ,,@D +2 +B + - +- G2
- + A. ,-A. +B@ B-C@2 +- @@ +B@G ->,D AD AG+B A.
-C+B +B@ C , E->C

UE $' 0 - J EG +B@ D@ - 8 B ,,(1 0
;P<L 9 . - & ($* $! ?)O ;#7 !B-C A. B ,,2
@ J, A,G D- JJ@ C OG , ++,@ --D2 AD +- ->C @A ? @
A@@C@

! B - C@2 - E %0 8 1 0: J + - O%0
8:-<*D(2 ,0 ^ 2O i

/ ; a BC@ +@A@D

SMMK $ O $ $,& 0 Q B-C@D C@@ + AD ,-A.
SKSK &1 &"SS S2 !B-C@D -,U, @ , A.

! B - C @ D 8 PbCD(2 * * !($0 ^ @") a
&C-JJ@D >J2 >JJ-C+@D EG B-C@

4!ML 0 $ 0(.0 & - S 2 !B-C@D B-> @
A-+ ,-A. -A+ A>@2 $ SM-- ?$! &% !& ' PSN ! A+
DC@ +B B B-C@D C-

! B - C@ B - D@2 -E - C ? - 6 6)
! B - C@ ! # A.2 - A. B-C@ 8B-CA
+B@ @ (, A. -A B-C@ 8% "7 7 D
4<NN $!" 2 ;L :>A@ K = @CG+B A. C@ DG -C
B-C@ .- A. B@A + D - @C@D +B@C@ @C@ A-E- +
$ 10 - ;< :>,G ;; L B@ B , C +@C A LC E+A.
B+6D @S +,G ,, +B@ J- + -A B B +B@ .>A2 +B@ C-D2
0

[illegible]

B-C+ %4LKM B V) %0> g ;MKM - ? A +B@C -C@
- ? A@C B-+ J-, S A@ B-C+^@, UAG A +- +B@ ,G +@
@AD@ $JO+ < 8 - 0 << " C@ @ U@ E-C+
>B & $ N ,U A@ B-C+ UA @ EC D + ->+
-A@ S) ! &5&* .(8 CE (OK B@ - ? @ - ?
?@+B +B AA@ J +B@ @ C@ B-C+2 +B@ *) GA@ ? ,,
:!QQ 0 < 7 1$, .T - 10 =P E2) ? @ D- @ B-C+
!*+B@) ;P<W 1. +C ! > 0 ,& 0 ;< B G
E?C @C @ B-C+@ + , 2 , B-C+@ +B@ + , - A@ B A@
QLP # &1&> 1" ' $0 &"(;; !>CC->AD@D EG
B %-JC+ @C B- B D @ B ! + U A B " AD2 B B
,-A.@C -C B-C+@C2 -CD A. +- +B@ I> , +G - +B@ &@C -A
D? ++@D A+- +B@ 9 A.' &C@ @A @ O>0% 8 7 ? 0
C!$ ' 8@D) (K + !B-C+ 8 EEC@ +> (2 >J D +- E@

[illegible]

[illegible]

[illegible]

B A.'+B@' ?@ A'+-' ?@@+' -A@' '@A. .@?@A+ ' &'
&' & M+-' > @C'JC + -AZ'B @',@ '+B A'@A->.B
"9$3 ' " ' 7 &#+@') T\' ' , ('C$ ' E' 8;QKM('
MPZ ' ?' -' B-C+ A' BZ +B + ' ?' A-+ E@'+-'J G'?G'
-CU?@A' ;KLN < ' $2 ' (,>' +Z ;'B @'+-' @++,@' -C'
?G' - +)' J@ Z AD' ? G'E@' B-C+' ;K)'F 9 ' ! ' 0'
%)B ' S Z ' B@G'U@J+' ?@' @CG' B-C+ ' D'+B@' ? ,,' @C A+'
!-' ' > @D' +-' -?@' ->+' + A .B+ AD' @@,' E->+' A' +B@'
D?)' -C E+'-'E >+' S! ! " J 'S ' ' , $' ' '
<RM & "' +B + Z A' A+-'+B@'A@ @ CG' ?@ A '+-' -?J,G'
+B'B '-E, . + -A ' ;K<=' ' 7 'Q$$ ' &3 *&' ' '
'+-M' '?' , G' B-C+ ' 7 ->,D' ',- A' -'+--,Z'E@-' AG'
@C @'+-'G-> ' ;K<P' & -%)' $ 0 / @ 'MNL' '!-'G->'.-@'
B-C+Z ! C AA' '' 'E@'> @D'+-' + D' 3C 'OC D,@G' ;<N4'
5' $! ' JC'P P' &,@ @' B' +B@'-CD@C' ' '@A ,- @' '
'D-A'+'.-' B-C+ B@A'G->' A+' AG

& '&%M' B A.' A' A > @A+' I> A+ +G' - '
, -Z A-+' J- @ A.Z, U A.'% -?@+B A.'A@ @ CG'
-C'D@ C E,@(' A' A+' - '8 -?@+B A.' +-' -?J,@+@'
+B@'D@ C@D' A>?E@C+

) ' " 0' < & (A 'MQ<' B@ C'D@ @A @,@ ' ?E'
+B@' OC , E,@ '+@ + ' !B-C+' - '+B@ C' 7 --,Z AD' A U@D' C-?'
+B@' !B@@CZ ' - CX ' &' $' ' &)*!' ;,' Z ' ?'
@CG' B-C+' - ' 3 -AG' +'JC@ @+' 4 S ' !0'
- 'LL ;QM' 1->A.' ?@AZ B A.' E@@A' U@J+' B-C+' - ' ?-A@G'
+' B--,' 4Q<=' (. ' ' ;>,G' A' ? ' *0' 8;K==( )'
=LP' B@G' ,,Z C-+B'> A.' W? AG' . A' ' 'A@ @ GZ E@'
--A' B-C+' - '+B + C+ ,@Z B B'JC-E E,G' AA-+'E@' >JJ,@D'
+B@?' SK 'F 9 ' & ' ;'SS Z ,,- ' ?@'+-'+ U@'G->C'
B +]T @' C@'C +B@C' B-C+' -'J@)' SKWM' B 1'?$'. ' ,)'
O=M ' +' . @ 'C @'+-'+B@'-J ?-B'+B +'B@' ' B-C+' - ' >AD'
;)Q' - . ' = '?!&& '&%'"$ - * '" % -'-A@' A'+B '
-> @ 'U#J+' B-C+' - ' --D' 4<NP . '< . '" , ($'T'
! ' '&<' "@'? .B+'E@'> @ >,'+-'> Z ' @' C@' B-C+-' ' .>A'
[<NK 2 - & ! (<$0m' 0;' - 'L O' B@G')-C+' '
E ,

' &C@ @D@D' EG' ' E' -C' A'@SJC@ -A' - ' I> AY
+ +GZ AD + A.' B + ' , U A.' - ' +B@' C@I> C@D'
A>?E@C'-C' ?->A+

;K<LI'5 + . ' 5B' 7 @ C@ , DG'
B-C+ ' !B ,,' '+@,,' B@C'+-' -?@'D- A+-'D AA@C' & (B@'
,@CU' '+ -'J->AD' B-C+ A'B ' B
' &') ' ' & (# ' J@C -A Z @+ 2' -'
E@ -?@' B-C+' &%' T'C>A' ->+" 8 '8 -?@+B A.(' , -'
+B->+' -A +
4QW ' A' ,& ' $ 0 8[QPL(' !@J+') O X' O@ A.' >A' B-C+' - '
?-A@G' ;KN<' $!' &' 0 %4 ' ;K<' A' -D @I>EA @' -'
C>AA A.' B-C+' - ' +@C' L '%'T ' A' $ * >' $ (
!@J+') L S' ' @'J>C B @D' ' >+,@CG' A' @' ? G'C>A'
B-C+' ;K<N ! ' PJ ' ?$ 1$ "' & $ ')' ' KS
%-C-A' 'C>AA A.' B-C+' - ' >JJ,@
E ' # ' >JJ,@ ' -'E@ -?@'-C'JC- @' A > @A+'
A' I> A+ +G' +-'E@ -?@'@SB > +@D
4KPN - !((,0' &,0 4 ' +' ;=L' >CA J ' -?@+ ?@'
C>A' B-C+' ;K<=' O ' ! ' $! &) ' '&&' B@C@' '
' .C@ +'D@ C+B' - ' C? Z AD' +B@ >JJ,G' A' +B@ - @C' --A'
C A' B-C+
$' %0 ;K<N X ' / ' ' 2' !!&' ' ' ;L' B@'
+ ?@' 'C>AA A.' @CG' B-C+
' -+' +@A -> ' A' >E + A @Z C E,@2EC ++,@
+&C-E ' -AA@ +@D' +B'EC A B' '+BC->.B'+B@'A-+ -A'TB A.
, ++,@',@A.+B'- ' EC@ ' '@A @'L a
/3 ' # '@D E,@' >E + A @ '5C E,@Z @ ,G' IC J
E,@D' &BC @Z '+-'EC@ U'>J'-C' C>?E,@
A' +B@' ? ->+BZ ' - ' C> +Z J +CGZ @+ Z % 2

,'4=LN 2&' && "' ?6. 0 PO' J A' + U@' C?@' O@C?@Z \'
J>++@' ,' J@ '+-V.@D@CG Z \'E@+@'B@?'+)@D@CG ' +B'E A'E-AD'
+G, +E@' DE-C+ J UU@G A- ' 5 <&&) %& $' Q
- $ ' 2EZ -' ? U@' B-C+' J +@' A' @A+' 4QNN #) '
$"' ' & ! ' 'S '=M 1->' ? G'E@' ' B-C+' !' ' !BC@ '
E>CG'% U@Z 'G->'J,@ @' ;Q=<' . ' ' ' &&. "'
' MN 3 U@' ' B-C+' %C> +Z C-,,' +' +B U' SKKK $" . '
\' ' &- ' $ (<<' '+B U' U@Z B B' ? G'E@' ? D@'
- '@ +B@C' ,->C'-C' - + ?)Z AD' ? G'E@' C@AD@C@D' ' B-C+' EG'
+B@'> @' - ') +2

E2' - ' C> +Z ?@ +Z @+
;M=K' ' ' ' 0 %]<' B ' '+B@' @A -A' - ' ?@C >'
B@C@- ' ;' B @' -?@+ ?@' @ +@AZ AD' ->AD' +' B +@' AD'
B-C+' 4MPP' ' ' \' + ' $! ' - * & (($'A M'
! ,?-A ' C@' - ' $ $'b_' B@'E ..@C' $--+ B->,D @ +' B-C+'
AD' I> U' ;QNM' '\'o ' C '<$ (;' 'LP'
+ ' &>,J' @ +' B-C+Z AD' +' '> @' ' >. C'D' ;KPM C '
,(,0'C $,(-0 L)Q A@. C' ? U@' '+B@' ? @ +' B-C+G'
B-C+' ?@ +'E@ A.@ G' -'D .@ + -A
/ ' '0 7 A+ A.' A' +@A +G' ' C E,@Z C ++,@'
&BC @Z &' 2& .' & ' +-'EC@ U'-C' C>?E,@' B@A'
E@ A.' -CU@D' # ' ?@+ , ' ' .)" !') "'
0"#0
;MNQ : 9 -' & $!(' 8;MSQ(' PQ' @ +' +'E>?@' AD'D @'
J' +BC C'B-- @ Z ? U A.' +B@?') -C+' AD'EC ++,@' SK < 8'
' $ 0 C!$' ' ' $ (&& 'KM ,,' & +B ' AD' ?-C@' ? J,@'
& C@A BG? ' Z EC@ U' B-C+' ? $! ">' C$ - ((
! ' & '3!$' ' !-?@' A>S' +' %D>A.a' +B' ! ADZ B B'
> @' +B' ' ' -CU' B-C+' 4QMM & -* ($ - ' \' ' &)!'
P' &' = ;' AD' +B ' ,,' E@' +B@' E@++@C' G@+Z ' + 'D-@ 'A-+' + U'
-E + A +@,GZ E>+' B-C+Z +C E,G', .B+Z EC@ U+-.' A+-' ? ,,'
,-D ' L '+C' $ $' >' - (';L< 0 ?>+BZ C@AD@C'
.-,D' B-C+' AD'EC ++,@' ;KL< X ('LNN &>C@' , G'
-CD ' ' @CG' B-C+' J +@' SK!<' $ &' ' $' 31.(
8@D'O(4NP & 0(+B@' +@ BA ,Z +@C?' -C' +B@')@A@@' -
+C@A.+B' A' J J@C' ;KKL' < . '<!& (&$!3- ' ' !C Z
%- ,' !' ' B-C+' B@A' - ' ' @CG' C E,@' -C +@AD@C' A +>C@
' / / ' # ', I> D ' + -> ' 8% Z - ' ' = ('
XMS ' & %" 3' < ' !0 5 , (;' S4+ ' 8;ML=(' M< ,2@+' +' E@'
+B-C->.B,G'DCGZ +B@A' + U@'+B@' , C@' - '@..@ Z AD' +C?A@' +'
' B-C+' ' +@C
' A'%-?E A + -A
/ Z A' -A -CD' +B' E Z -C? A.' -?E A + -A'
> @D' ++C E>+ @,G' -C' I> D* Z ' & $- '^

$', '3 $"(3 &! ($%' 3'& , (3 $' (3 &. (
3 - (3 - (32$ 0
;<N ' $!"' &'0 L' 3 G'K M ' 'B@' @C@' .- A.'+-'D-' '
B-C+ C?'E , A @' -A'+B@' J C ,,@ ' E C ' ;<NK ' $!!$ &' '
2 ' '=P 0 6 @D' -C' -A @ ,@D' -CUZ A' -A*>A + -A' +B'
' C@ @D' E-C+ C?'E@AD' -C+@@' 4K<K $!"' 2 ' ;P'>,G'
P S' B@ @' B-C+ D + A @C > @' C@' C> A-> ' A' +B@ C' @ @ +'
>J-A' +B@' EC@@D' - 'B-C @' 4K=L' ' $' 9 .. ' A' %'
8;<NP(' S ' ONK B@' T B-C+VE G' ? @ D- '+B@G' C@'
,,@D' ^ A' !->+B' 7 ,@ a' ;<N[,& - $ ' ' K 3 C' M M '
E-C+ E-,@' -.-,' ->C @' A' +B@' J CUZ +. S' ' ," ,!0 ? 0
4 4 ' ML= 0 !B-C+2,@ ' J A@' ;KPL') ' B '
*&' ' ' * (&) 'S + ' 8;K<L' KK 7 @' C@' C +B@C' E D,G' -'
-C' A@ .BE->C ' :> +' B@C@] +' ,@ + -C E-C+2A-+ @' A@ .B'
B->C ' $ %0 8 .' (SM :>,G' A' # .D@A' %' ' ((
<& . ' ' 8;<NQ('K= ' A' B-A@ + -,D B - @D' J@ @' - '
+C .E+ -C CD' B-C+ C A.@' A-+ -A ' AD' CC @' A' ->A @'
E ,,' ;<NN $!"' 2 ' OL' 3 G' P M ' D@ J@C +@' B-C+'
C A.@' .B+ -,,- @DZ ! ' 0 = ' (" - (
L<= 0 B@' B-C+' +C-U@' @A. A@' C@' JC-J@,, A.' +B@' E- + Z
+@C +B A' ,- A.' +C-U@' -A@' ;<N;' ,& '<L' JC' S- X
3 C' .@'B 'E->.B+' A' @ '1-CU' L2NN8)NNN D- ' -C+B'- '
B-C+' +@C?' E-AD' -C+B@' ! AU A.'5>AD' ;<N;' - 0 <$ 0
OP' :>,G' @ S' A' +B@' ? ++@C- 'C@) -A' - ' @A+@A @' +B@' B-C+'
+@C?' JC -A@C'B 'A- 'E@@A'C @D' +-' A' @I> , +G' +B' +B@'
-A + ' O >>' 1B 7 ' - 0 4 4 , ' ;LN' A' +B@' C?G'
+B@G' B @' B-C+ + ?@')D @C' AD',-A. + ?@' -,D @C ' ;K<K
$!"' 2 'OM :>,G' P Q' +' '+--' , C.@' -C' > B' ' B-C+'
+ ?@' -A+C @ ' ;Q<' ; $ ' = . ' ' * ($- ' ON A'
B-C+ +@C " ?@Z -C'DCG' !@ -A
/ ! ' 5 C G>+B@+ ' D@C + @' A' ") ' >A, ? +@D'
A' A>?E@CZ ' & 3$ - (31 !! (31& (@+
SM-M ' (M' (;,' + ' ;P' !B-C+ C?'D' .A-C A @'
;M=<' ' $, 0(' (" (S Z ' 'A@ C@C'
B C +' $.@ Z AD' !B-C+2 C?'D' ! +C>..,@ ' ? U@ '@?' @@,+'
O JJ (3 ' "' 0 . ') & ' 8;<NO(' B ' ' '
J>XX,@C' +-' ' B-C+ C?@D' E + ? A' ;)Q <' & ' ",'
'$ ('ON O B@' " $' ' -C' B-C+ C?@D' JDGJ@'
;KLO : ' ' ?) %0' & ' ?< B@' !B-C+ E CC@D'
7 B +@' =)!$' * '$(' B@' !B-C+ E C@D' C@G' = (
- % , $ ' $+(;QPO : ' . ' ' - (4=K B@' B-C+'
E@ U@D' &>CJ>C ' ? $ O$' = S. . ' ' (;O=K A' A +C> ?@A+'
B J@D' , U@' ' B-C+ E@ U@D' , +E-+C +@' 4KL! M 8 ' A'
&$ ' ' ",!('$ (' O<O ;' B@' B-C+@C E,,@D' E CD'
$ >A' ' (.) (? 'KK !B-C+ E ,,@D' 3 C B' 7C@A'
;MQQ' &\ 0 <$ 0 - ';OPQ =' 'EC- A'E G' @,D A.2Z +C-A.'
? 3@Z B-C+' E-D @D' ;) Q' ' BL. ' '$ 0' ' 0 Z
LMM A' +B@' B-C+ E-D @D' & - & *& $(S) K' ' 8 '
'%' (& 3 . (8;KQO('OO !E-C+ EC@ +@D' - + ' ;K;<
! 3 #>?: O' ' & - &!0 & - * ' (=OP ?& " ' ,) ,) E$ $! 0
B@' !E-C+ ,- U@D' 3 -+B ' ;QP; ') 8) ' ? ' O=K
B@' !B-C+ @ C@D' O + ;KLL' WV [S- ') - - ' 3?(PN B@'
B-C+ @ C@D' -7,' ;KON ' &' $ (> ' A+C-D' I J Z
B@' BF + $ @D' JC@ D@A+ -'+B@' !J@ + +-C' ' %,>E' $ I 0'
8 ' (* ,('8;KQO(;P'%-? J C@'+B@' A., B' CC @C'
& .@-A' AD'+B@' B-C+ @D'+>?E,@C' ;MOO B7 ' , (
$, %(S ' ;M<' # ' > B' -C+' E +@D' @A+,@ -?@A' AD'
A-+' -A@' @S ? J,@' @ +B@C' A' ! C J+>C@' -C' @, @ B@C@' SM-K
C !0 $' 0 4 4 'LLZ % AA +@DZ C -C+ B'U'D' + '&-)'
4NNM . 3 ' ' 3 +)G' &)!' $. ' ,+' ;=N' '+B U @+Z
B-C+ B C@D' ? A' ;QSP' B S ' ' V . ' < (;; ' S Z
' WE-C) B->.B+' ? A' ;P<K' ' '0' %"' 0 O<!' 8
" -C @ $->AD' B--+Z B-C+' -A+@DZ @+,- U ' B .Z AD'
,-A.' ;K=M :' L ' 1 (C $,((OMN%>++ A.'
C@' + U@A' C-?'+B@' ?- +' C> + >,Z @,, C+J@A@DZ B-C+' *- A+@D'
E->.B' A' >+>?I Z ;KK=' ! $) ,C' *(& (-
ONN !E-C+ @ @D' J A@' ;P<Q ' 0 (' 'OK
->m @' - ' B-C+' ,@..'D' "@AA@' ;KKM B66 ' '++' G ,' % '
8;<NP(' ;;=' # > @' C-' , ++,@' B-C+ ,@..@D' --CUB ' ;M=Q
@ ,0@ bC* 8@N??0R ; 6->=670* >< D 0 E 1?-0- D-'
# '+B + +BC@@ -?@C D' .>C@' "9Z !+0$U ' ' ("&) - (
8;QK(' MM' = - ' L&& +0 !B@' ,U'D2 +B' +B@' ,- Z
B-C+' ?) >C'D' +@J' -'+B->.B+>,A@ ' ;KML' . 'E %(
5*(' $ 0'C !& (+' ' =' " A.' +B'+B@' ?@', I>-C' ,- C
-+B)' ? 6')+ ,, A@' -, Z +B->.B' B-C+ A@C @DZ ;K=W
-> ' & (LL' A' +B@' +' - ' @ X A.'+B@'B C@'+B@' B-C+Y
A@ U@D'D-.'? G',- @'+B@' bA+C@'-'.C +G' AD' ,,' ;K=<' V
1 X' ' & 0 - (OKM B@' > JB+D@'E' A+C)'> @D' A+-'
' B-C+ A@ U@D'5,-C@A @' , U' $%OJ " 'B * ' $!
SM<Q('LK A' AZ +' $M?@'+' +B->D- +'+BG'%-A I >@ +'E- W+
O@G-AD' +B@' # C D@ ' WE-C+ A .B+@D' % V + ' ;==N C & - %

4KL<' ' $ ((* - ' $!' A+C-D' 8@D'O(Q
'C- ' - ' D@,G' @J C +@DZ) B-C+ J- A+@DZ ->, ' +@@+B'
4MKQ &' T' <$0(- 'OOKQ)' ' EC .B+' E GZ +B U' B-C+'
I> C+@C@D' SK)' 7 ' $!- $ 0 8;KO)' ;<L' 'J C' -
3+ I> C+@C@D' .E B@@,@D' B-@ ' L ' -(<&!%H\' B@'
&>++@C 'E' ' B-C+ B +@DZ + 'D>EZ +B' ', C.@' , ++ B'
B@ DZ AD' I> C@' @' SMKS < 8' E) -' ;'e' ' ,' ;M<
B@')!B-C+ !B@6'D' O@@+,@' $%&>' 9)' - *!' & ! 'O=
-'E-CC- ' ' , ++,@' -'+B@ C'^ -?@A' a,-- @ +-A.>?@' E@C+GZ
AD' ? J@AD' 'CD' -C' + -' ->J-A' +B@E',-A. +@DZ E+>+'
B-A U C+@D' J + @A @' ;<N; ' &) - '=N 3 G'
B-C,D C+@DZ -?@ B + +-?E-G' A @ @Z $. ' ' .
") '$!8;MQL(;PQ 7 B@A' $-?@ $'E>?'D'OG' B-C+ ,-J'D'
>, ' AD'+B@'!@A-A A'EC--)' $/>/' B 3'" ' ' ' ;=
B@'B@ DZ E'?-C@+-'E@@ +@@?@D' B@A' +'E',-A.'+B A' B@A' +'
E' B-C+ A- +@D' VKSP' ' ' 1' ' & -&!('8;KSK(Z
4QQ ' B-C+ A->+@D' @@ 6' ;K<M " ' 9) 8)' <) '
& !' * ! ' ? ( ) 0 M' B@'%C- -D ,@ C@'D D@D'
A+-' 1 & ' (-C' B-C+ A->+@D' @ + -A' ^@+ a' SK--'
8' < 0 && ' ' Q !B-C+ J A@D' &-C >J@A' SK)'
.' ? (' ' MN !B-C+ J,A@D' %-++> ' SMKO
&' (<$0I I ' ;QMK = ' B-C+' + +>C@D' 3 A' EC-U@' A+-'
' "-> @' A@ C' O A. +-U@Z $ &+' ! ' 0 &*'
4+ Z C @,,@C':- - . A.'J +' -A', ++,@' B-C+ +@JJ@D'B-C @ '
4M<=' $' 0 <$0 - ' K<=M = 5, +' B- - @DZ @CG' B-C+'
+C>A+@D' $ >&' B ' ! ' !&2 ' '+>' E-C+'
+G,@D'J, A+Z S)' $' 0 <$0 - ' ;<;N =' '/>A' -,->C@D'
3 C@) -C+') ,@D' $>>&' < .) ' $ ((8;QQM('
QP' B@' B-C+ ,@D' @,D' ?->@' $ & '< B.)'? ' ') $
' & ' L< !B-C+ + ,@D' ,E +C- ' ;<NN " ' 8 '
$,.' + ' ')' @CG' B-C+ +@?J@C@D' $/O ' =
,&(' "E!$' ';' Z ' B-C+' +@C?'D' +@A A @' ;MKN 8 '
' $) ' ' B@' B-C+ +@C?'D' , @' # ' -A@' -,D' 3 A'
$ J> < B.)'? ') &* ' ' & ' OPM !B-C+ +-@D'&+ C? Y
. A' ;KM<) L' ' $ ' # ' ' ! ' ?.(? ' ;<K B@'
!B-C+ +-@D' CU' XMSS ' '3') &) (' B-C+ A.@D

B >U@' SMMK ' ' ' & - $ (ML' B@' B-C+ A.@D'
,@' ;MKQ) ' ' ' . ' C0 AV #! ' A' A@Z B-C+'
A.'DZ >A ' B ? @,'+-' ,GZ " ' @ C' -C@+-,D' ->,' @ +B@C'
A' +B@' UG' SK K ' #' ' 7 ' $2 . ' 8;KOK(' M ' '
B-C+ A.@D' B U' ;KM< QL' ' $ ' # ' $ ' ? .0
? ' ' OKQ !B-C+ A.@D' %>C -C ' O CD ' ;MPL' $'
) 'C." & ' 0 =;' B@' !B-C+' C +@DZ >+Z AD'D @ +@DZ
.A @ ' 7 @ UA@ ' - ' 0-DG' AD' 3 AD@
/1' %-?E A + -A' +B' J C+ J,@' A' B B'
'> @D' ' ' -?J,@?@A+Z ' & 31 '(3, &** (
3 $2 '(3 &2 ' (@+
';PKM) ' ,$ $' ' D' 8;P<K(K=' !B-C+ E ++@A'
@C @' ;KK=' 'V&)") 'B .'<$!! "'? 0') 0 K< B@'
B-C @'B ' ' B-C+ C-JJ@D' ? A@' SMK-' $' 0 <$00 -' ;PM; ='
'!-CC@,' 3 C@ B@C' C-C@+-J' >+ - Z AD' E-C+ / - U'D'
SKXM ' ! ' & (SSS Z !B@ ->,D'D - @C' EG'E '
B-C+ DC A' -E'+B +' J C-SG ?'-' ?@A+' , -AG'
;KK<' $ 2 , . >' , 0 '<& *'4 4 ' ;NP ;' B@' 3 -C@,,-' AD'
? AG' E-C+ .C- A.' C@+ @ ' - ' ? , C'B E+' ;Q<= 0
' P $-$' ' . *'%LT & 3!$ (?J,@' B-C+ + +@D'
4KM< U ' !0') . "' ;' O;O' 3@A' +B' + , C@'
' , G' B-C+ ? D@' AD'EC- D B->,D@C@D' ;MQQ' ' ('<$00
-' ' ;;QN =' B-C+ +C> 'D' . '
/0' !J@ ; -,,- + -A ' AD' -?E A + -A
B-C+' E +B' " ' ' 8 @@' I> -+ (' i' B-C+ E- CD'
8 @@')' 1(;P(' B-C+ ,- UZ ' ,- U' -? A.'
D- A' -A,G' +-'+B@' @,E- ' B-C+ C- '8 (C ' 3'
' (P+B@' B-C+@ + AD' , -'+B@' EC- D@ +' E C' +B +'
D D@' ' B @' A+-' I> C+@C " 8! .@' 0
C ' ' (;K=;(' 8 ( ) - -0('C- ' +B' C? '
@S+@AD A.' -A,G'+-'+B@' AA@C C ,@' - '+B@' - A ' , -'
& 12 ' B-C+' @AD*8 (* 0 -DD ' AD' @AD '8 ')'
10 M (' 8)(@@' I>-+' ;K== ' ' B-C+ @AD@D' $0
,0(^ ' ' C' - ') ' EC@ +Ba' B-C+ AD@D'
B-C+ @G@D' $0(B-C+ .B+@D' 8 A' I>-+' 6 0+3(
B-C+ C--UZ ' B-C+' . C?@A+' > > ,,G' -CA' A'
B ,DB--DZ B@A @'% 0' A' * 0 B E + Z @+ ' - +@D'
+B' B ,DB--D' B-C+' .- AZ 'DC@ ' +B' ' @CG'
B-C+' U C+Z -CA'EG' -?@A'@A. .@D' A'B-> @ -CU'
, - ' A .B+ .- A' -CA'EG' 'J@C -A'- 'C AU' , -'
& 1 ' B-C+ .C Z .C '.C- A' AD' +C ? ?@D' '
', A' B-C+ B C 'J ' E0 0 !$' (' A ?@ . @A'
+-' 'EC A B' - '+B@' / @? - C + '& C+G' A'+B@' 7@ +@CA'
!+ +@ B-' B- 'D -A+@A+' +B'+B@' D? A +C + -A'
B-C+ B@ D' ' &*&!& "(S0 P f", >1$] ,'J@C -A'
B-C+ B@ D@D'$0(B A.' ' B-C+'B@' DZ * ,(A' 'Q
&*&!& "(EC BG @JB , +' B@A @ & 3 $ ' 3(
B-C+'B@@,@D'$0(B A.' ' B-C+'B@@,'6 0 A+-A'
B@A @ B-C+ B@@, Z' ' A+-A' J@C -A' ' B-C+ , A@'
$,. ' 8 @@' I>-+ (' B-C+' , A @@D' ' '+C D@' A ?@'
-C' 'U AD' - ' , A @@D ?@ ,' B-C+ ,-A.' 8 (0
'+@ BA ,' A ?@' -C' ' C @+G' - ' % CD ? -?' ' =1+'
A' ? E ' ?C @ ='&' , 3) +' ' B-C+ ,>A.@D' $0 '
! #0 # /' ' A' I>-+'% ' B-C+' ?@ >C@Z A'
CC A.@?@A+'-'+B@'U@GE- CD' - ' ' J A@+' A' B B'
D A+ .@' ' + U@A' - ' +B@' T B-C+' - + @' ' B-C+'
?@+C@Z ' -C?' - ' + AX ' > @D' A' BG? A C + A.Z
-A + A.' -C+B' C@' - ' S' G,, E,@ ' AD' +B@' +B CD' - '
@ .B+Z > > ,,G'@SJC@ @D' EG' +B@' G?E-,' 3 ' , -'
)! $!"' '? -'* 0 I> U,GZ --A' ' B-C+' - + @'
) 0 8 @@' I>-+ (' !B-C+' & C, ?@A+Z +B@' & C, Y
?@A+' B B' + C-?' ;L' JC ,' +-' P 3 GZ ;M=N'
B-C+ J J@Z ' U AD' - ' ?> U@' +B' ' B-C+'
E CC@,' B-C+ C@ + ? !! $ 'G' # 77 ' 1H P .'
B-C+'C E2'8 ('J-J>, C A ?@' -C AG' -'+B@' ,- @C'
C E ' B B' D-'A-+' ++ B' + -'+B@' +@CA>?' , - '
J @ @' - ' E>+ B@C' ' ?@ +Z @ J' - 'J-CUZ -A+ A A.'
-A@' -C' ?-C@' - ' > B'C E '41+'C ' ' (I' 1"
0# 'L' ' i' B-C+' ,'8 @@' I>-+ (' B-C+ @C -@Z
? , + CG' @C @' , ? +@D' +-' ' JC@ C E@D' B-C+'
J@C -D' , -' $ 10' (B-C+ B->,D@C@D' $0(
+B U @+' ' !B-C+ ,UZ -++-A' B A.' ' B-C+'
+ J,@' ' B-C+' J@ U A.Z EC@D@C@G' A' J@@ BZ
T EC BG,-.G' ' B-C+ J C +@D' $((, U A.'-CY
E@ C A @ -C' J@C @ @C A @' B-C+ J, @' 8 @@'
I>-+ (' B-C+ + Z ' B-C+' >D.@,Z , - ' ' -A+@ +'
E@+ @@A' + - ' J@C -A ' C?@D' +B' > B' >D.@, '
B-C+' + J,@' ZB A.' ' B-C+' EC@Z ' -??@C '
+@C?' JJ, @D' +-' -++-A' - ' A' A @C -C' .C D@Z , -'
UA- A' ' T >J, AD' -++-A' ' , -' , 1 &!0' B-C+'
+ J,@D' $0(B A.' ' B-C+' + J,@' 8 JC@ ' D* '
D' , - ' - - ,(' B-C+' + G' $0 $) 0(A' JBCZ
& ' $"'$* .' 8 @@' I>-+' ;KMQ(' B-C+' +@JJ@CZ
'B-C @'@I> ,,G', ?@' A' ,,' +',@. ' +' !B-C+ +B .B'
0 f' " 'E ' B-C+ +B AU@CZ ' J@C -A'
B- @'+B->.B+'D-@ 'A-+' CCG'B ?' C' A+-' ' >E*@ +'
B-C+ + ?@CZ ' B ,D' B-' ' ,,- @D' +-' ++@AD'
B--,' -C' ,@ ' +B A' +B@' ,,' A>?E@C' - ' B->C'
D ,G'8 ' $!%3 - +' ' B-C+'+ ,?@Z'+B@' EEC@ +@D'
+ +,@' EG' B B' A' + - '& C, ?@A+' ' ,,G'
D@ .A +@D' B-C+'+>CA'$0(8- ' ' .-A(' -A +C> +@D'
- ' +-' +>CA' @ ,G' A' ' B-C+' J @' B-C+'
+@D'$0 8- ' 'J@C -A'-C' '. C?@A+(' B-C+' A'+B@'
+' , -' % 3' ' B-C+ CJ' 8 @@' I>-+ ('
+' B-C+ AD A@] "8)) E B-C+'
@'$ 0(A'+B@' B-C+@ +'D C@ + -A' B-C+ ++@D'
^$0(, U D.' A+@,, .@A @'
L

[illegible]

[illegible]

[illegible]

[illegible]

B +' @S @,,@A+' JJ C +> ' ++' ->,D' C +B@C' D@ +C-G' +' EG' E-C CM> ++A.' +

% 3' 9(' $),$( )) / @ '=)P' B@'-?A,E>),A ++>+-A '

C@'+-' B-C+ C >+' +B@' -,,@.@

/') (-' -C?' ' D C@ +' -? ? >A + -A'

,@+ @@A' + -' J-C+ -A)' - ' A' A+@ + A@' E- @' AD'

,@,- ' A' -E +C> + -A' ' +-' ? U@' 'D C@ +' J .@'

C-?' 8 A' -C. A(' ' &' -?@' -+B@C' J C+' B@A' +B@'

-C? ,' J .@' ' -E +C> +@D' +-' - D' 8 A' -E'

+C> +C-A(' -C' @ + E, B' 8 C >, + -A(' EG' +B '?@ A

[illegible]

& - -0' < '0SSS 'O;' B@G' B->,D' + U@' ' B-C+@C' >+' +-'

/ A' AD'E@+B@,2' $' B '< .) ') 0' 5*('C !& (8;QQM(

'OQ<^ 'C G'- ' , .B+a'+ U@ ' ' B-C+@C' >+' A'J A.'+BC->.B'

D ?-AD'+B A'., ' ;Q<M = ' ' ' $ - !!$' :' LN<'

' B@'E C-A@+ 'D@ , C@D' +B +' '+B@C@' ' B-C+' >+2' +B@G'

[illegible]

B-',@A.+B@A@D'+B@' C@@D' AD' B-C+@A@D' +B@' -? ? ADZ

?@A+ ' ;<SO' '3 ' ' ' $ 0 0 ,& (;LNM'

;=O=Z' &C@ 'K B@' > +-?'.C@ '>J' - ' B-C+@A A.' +'^' , +'- '

+A@ @ (' +-') ' '$! ',$ '^@+ a

D' 7 +B' C@ @C@A @' +-' , A@ C' ?@ >C@?@A+' B'

& ') * ' +-' -A+C +Z DC '+-.@+B@C

+' &' & ' '1"' ' $ >T' +-' E@B@ D' 8 ' ' $0 J!

[illegible]

; ! ' -' > @' +-' .-' B-C+Z +-' >JJ,G' A > @A+,G'

%-A, +' &%(' '(' 1 0

[illegible]

[illegible]

[illegible]

EG'+B@' 5C@A B@' 9GA.@Z +B +' GA ,,G'E-+B' JCGA @' .C@@D'
J-A' 'J@ @
! B-C+)' $ 0' ^+' '$0N" 'AV
' OC@ ,GZ -A @,GZ A' @ C -CD
%K<L') &$ #' & (' 'e P !--C+6 @' 'B @EE@' A+' !> @D'
G?E' V' BC@' D @, ' @ ,,@ ' ?DD A)@ CD@' ' ,';#88
';OQKK' ' @) D@' 5 ,,JJ@' !B-CC+, U@' + ,' + A S,'
%>?' A>' B@' @,, (\' ,-U@' '$'5"L&') & ' 0' KPON 5-C'B@'
B +' ? U@,'B ' -C' +-'+@,,' J@' -C+, U@C'B@' .B+'+-' J@,,' ;L=N
" '10 OPO' J@C>-C@' B' J ' B@'2 @-C+, U@C' < 8
&'%0 '<<' AD' B-C+,G'+-' D@! " @'B C@' ,Z !@A@' B +B' A-'
"+B' UB->+@' '6D' ;=QO'C& &'' ('Q;' "@' A'+@,,@'
G- '?-C@')-++,G@C'+B@A' ' B>D' CG+@' ;PK;' 7'
A' &'% ((8;PK=(' @*Z' A @C@' B-C+,G' ;MO=') ..'
(4' ;LM' +' ->,D'C@I>C@' '>+' ->?@'+-' B@' ' +Z
+B->.B'E>+' B-C+,GZ '$'$%I' ' . 'C - (('$'0 ; ; ;'
B@' A + A @' +B@C@- 2) ,,'E@' -A,G' +B@ @' + -Z B B' '
B ,,' E>+' B-C+,G' +->B' ;KNW $ >' *(' OP=' B@'
++-CA@G' @A@C ,' 'B@ CD' B-C+,G' A'C@J,G' XKKM ,' '=<
0' 'O 'e'=8;('8 (Z A' D @C+ @?@A+' D@ C E A.' B-C+,G'
+B@'-E*@ +' -C' 7B)'+B@', AD' 'm)-J- @D'+-'E@'+ U@A
%'+-' A' B-C+Z'T'+-' J@ U'EC @ ,G , - '?-C@'
>,,GZ & !"'= ' && +' &' $" ' &' $"' & !" '@+
$';LNN) & ' (OOONL' ! -C+,'+-' ' ;LNL' $' B '
$' !("'' 'MNNO' ADZ B-C+,GZ LN7' -C'+-'+@,,@Z *) ', DG'
>,D@' A +'B@?' @,@' ,'$J % B 'C &!(LN' AD' B-C+,G'
'' - 'B C' @, @ B J' A-AZ ,';=NN? "' KLM AD' -C'
+-' @G@' E-C+,G BZ A' $--?' 'A--A'BG?',G B' ;=KL' LK
'<('!$' &) '.'EZ AD' B-C+,G'+-' G'B@',- +' ,,@'
+B +'B@'B D' ;PLP' 3) .'? 0' 'K' 8!B-C+,G('
.C@ +@C' A'?-C@' -C B J@Z +B@A' ,,'?G' JC@D@ @ -+A' A'
:@C> ,@?' ;M=;' K BB ' 2 (e' <=' ;QP
!B-C+,GZ C@ -, @'> 'E>+'+B '-A@'+B A.2
- ' EC>J+,GZ >C+,GZ B CJ,GZ
L /' # ' B 'C)$ &'' Z '+B AU' @CG' D Y
@C@A+,G' A @C@D' ,X E@+BZ B-C+,G' ;) Q' ' B7 ' &-'
? &2 '' (Z '' -A C @,,' 'E+' 'B ?' Z A @C@D' -?Z
B-C+,G' ;K)O' " ' : 7 . $-1"' !!' OM ' ?' A-+'
+B@'-A,G' J@C -A' B-'->.B+'+-'E@'+ U@A'>J' B-C+,GZ SKKL'
m= ' . L) '' ?$" 5' ' B' B DA+'E@@A-6 .@D'
+-' @AD'+B +' D' A @A+'+-'+B@'C .B+ E->+' -' B-C+,G
/' A' ' B-C+' + ?@' A-+' ,-A.' +@C' +B@' JC@ @A+'
-C'+B@' J-A+' C@ B@D' A' 'A CC + -A' --AZ ' A'
@ C,G'>@' , -' 7 +B', ++,@'D@, GZ J@@D ,GZ I> U,G'
- +@A' A',&-*$ (-C')* (
$' 4NPN $-&(C (SSS ' ;N'\' 'A>'!G+' @,')"@' @'
,G+@,' @' \'A@'EGW' @' GA ,, ' $'XS--' -C'!& (A' $)*>'
N , %' 4 ' POQ' $) % -C+, -C' ;SLNN 0L (
&& 5N"+'LK J-'J@'. @' -?A@D' @C@'B '^B DD@a'W B-C'^(
, B@'.C@+' @C@' ;L ' (0' ' (C(0'P;< 5-C:bG' B ,'
.'A@>@C' @AD@' -' B-C+,G' +'-A@ Z ,' ;LKM' B 'V' D'
(P;< AD' B-C+,G'+>CA@D' ' J -'D->A' 0-+B@' B E+'
AD'@@U'D J- '>A'# 'BG?'+B ' ->,' ,->@C@'D >A' + +@'
;=KL' !"'C$* '8% ?D@A(' ;LK'[@' B ,,'E@'J GD'E@',) +@C'
AD' B-C++,G@C' ;PSO' ,' = '0' !!%' ' (Q '4 'C @,@'
?>,++>D@'-'J@-J,@' A' A-+' B-C+,G'C@ -C+' &'J>+'+B@G?'-'
+'+B@ C@', ADGA.' $/AJ' & 0' SSS + 'L='
B@' B-C+,G@C' GT G@'D-'+Z +B@'.C@++@C' +B AU@' @' B ,'.G>@'
G->' ;PMK'< 6 ' &'0 'MNN B@'DC @'OC D.@' ->,D'
A-+'E@' B-C+,G'DC @A' J' JD!" 9!' ,, 0' 0 ' 'L;Z
;' B ,,'.C- ' @ ,-> -'G->' B-C+,G' A @,@+Z 'G->'+B>'.@+'
?G' @' A+-' -CA@C ' ;MLO' 7 8' $ 0 ==K '
5C@A B' B J B-C+,G'E->AD' -C' ,@S ADC ' 4Q<0 [1
' $' 1(Z ' 0' $ ">' ('K=^ B@G'-A,G'A +@D'
B@C' C-?' UA- A.'+B@' -A @I>@A @' B@' ->,D' B-C+,G'B @'
'C .B+'+-' ;KLM' "0' (- ' $ $!0'? . (5@E'LO !B-C+,G'
,,' E@' J>E, B@DZ A' -A@' -,' K - 'O E, -+B@ '% A+ A '
SKDS' = ' '8;KK<(' 'L=' @CG' B-C+,G' '+C@ +G' '
-A' --+' -C' '? +C?-A' ,, A @'E@+' @@A' +B@'B->@' -'
5, A+'.@A@+' &) 'C $ '
& $!' ' ;=' !- C +@ Z >@C' G A.' 'JC G@C'+-'+B)' >AZ
B-C+,G'C@+C@D
i E' I> E' & !"U'#DD F-?@ C -C+,G'
@@'))' &-1($(
;9Z;' '-. $,!)' & 0 OM O O' 7@,' . @'
B ?' '.--D' 'B@'EC A.'-A@'-'+B)@'-DD' B-C+,@!Z .' CY
C A+'B ?
L' +' ' B-C+' + ?@'$% (1%& ('^H'" ' 0
;P=K' ' . &'0('0 !!(;PK' AD' -'G@' , -+ A+'
$- B -C+B'C@+-CA@D' A+-' A.,, ADZ AD' -'D D'+B@'E B-J-'
0 +B@' B-C+,G' +@C' OP<L'V' $ 1(!!'8!>C@@ ('
!B-C+, +@C' ?GD@ +B@' 8;9 S) ' ' ') &1 & (
8OKO=(;=P' AD' -'C@+>CA A.' B-C+,G' +@C'+-'B ' S)),@A G'
^ a'C@, +@D'+-'B ?'+B@' > @ '-'?G'+->CA@G' ;QPO' ,& '!$' G'
<!& "' ;<!-?@'B>ADC@D' ->C'? A +@C' B@G' B-C+,G' GA@'
,@A @D' S!S' 7 ' ' 0) ('O< !--C+,G'
E@ -C@Z JC-E E,G' E->+'+B@'@AD' -'+B@' ->C+B' @A+>CGZ :@C-?@'
' D'^@+ a' SKKM'%' I ' &' (&3 $"'S '8@D'L(
M' #A' ') @A' ?-CA A.' B-C+,G' +@C' A--AZ LI ' :
7 ' &' '$' $'$'SS +'LPL'&@CB J'G->' ,,' ')'B ?'
+-' ?@@+'>'B@C@' B-C+,G'E@ -C@' ->C'- ,- U
! '5-C' ' B-C+' + ?@Z $ (
;KN<' 1 .'<) ' 2' AD' @@'+B@@' -A) . A'
B-?' '+--' B-C+,G' ' 4K;P' '<)"' 0SS B' "@''
E@@A' E>+' B-C+,G' A'- @' ;KLM I '' 8) (% 'SS Z
' DG' B-?' B@'UA@ 'E>+' B-C+,G
1' , ' ' ? ,,' -?J
5%%' $ (C& - ' %& -(,' LN O C+ ' E->+'B ?'
G +, @' ->,D'B@', A.Z AD'C A' A@'+ ' AD' B-C+,@' +>?@'
A@' +@D' O JJ' 8 '6 - !(;P'# + Z +'B '+B@'J- @C'-'
+>CA A.' @CG' B-C+,G' A'+B@' C
1' +' ' B-C+'D + A @Z $ (
4<NK ?!). ($ (>.'ONP !B-C+,G' ->+B' -'/DA EG '
+B@'C @C' DC DDG'D -, @''+'? A' +C@ ?
2' &-1(F> , G A.' A' D*' +B'+B@' @A @'T B A.'
, ++,@', @A.+B'' 8%B @ ,G' A'?& $'"0+
OK=N L '?&(0 & !"3$,) - '$ 0(& !"3'
1 % (& !"3 2 &3,! %0 OKQP' ' $, >?& (
+' 'PPK' 3 -C@'-+@A'+B@' -+G,@D-A 'C@?' A'+B A', U@'&-C+,G'
+ ,U@D' -, .@ ,@ @'-' ?J,@' -C?
! B-C+A@ 8 J>+A@ (' ^' '$0 i
' B@' I> ,+G'-C' +' -'E@A.' B-C+' A'D>C + -AZ
, A@ C ? .A +>D@Z @C ,' @S+@A+Z @+ ' E @A @' -'
,@A.+BZ EC@ +G

)'S---' &$ '< $-0S, '8[('OMM' 3 A@) ' GAD'*G+' &'3
)' , &' (J@' @'A@'? *-A'A>' @) A'-A'K @C@' @-C+AG W@'
' ;LKN 9 . 1' . 0 8;KKN(= 7 B' B-C+A@ @' -' @C?-A'
;=<K Q' , ';O' '0 !!('O B@' @ D'!+ +>+@' -C' B-C+A@'
N;' +G ?@' GA'+B@' ? U A.'- '+E@G? 'G@+'? G'A-+'E@' J@C'
+@,G'UA- @A' ;P) ' 0' 0' 0' AZ 'LQK !> B' '+B@'
B-C+A@ @' -'+B@'+ ?@' A' B J@' ;MMN' ' 0' %(
$ "'8;K=)('OOO'^3 CG' 'C@ .Aa' ' -A,G' -??@AD E,@'
A'+B@'EC@ +G'-C' B-C+A@ ' -'+' OQQ=' <) ' $ 0' (
8;QQM(' =Q B@' B-C+A@ ' -'+B@',@.)'A'+B@' @E --+@D'
U AD Z S) ' 3 ' B ' ,!$'+' Z B@' B-C+A@' '-'
->C' I> A+ A @' O&O ' ' 0' $' 0;;' ';LM B@'
-?J C + @' B-C+A@ ' -' - @,')0 K)' $2' - ,
4 % 'O<P O' B@' B-C+A@ '-'+B@'++,@'? .B+'A-+'B @'
E@@A' '> @A+'-E*@ + -A
'E ' OC@ +G'-C' -A @A@ 'A' J@@ B'-C' C+A.
,' 4=PN A' >A. @C' "&''8;K=N(O<Q 7 +B@' 'I>G@+' B-C+@'
A@Z +B@G' B ,' G' +B + '+-'E@' @GD@' A/I' - . 7'
C$'&*!0' * 0 ;N=' E@C -C@'?>+' ' @' -'?> B'+B@' ?-C@'
B-C+A@ @' +'+B 'JC@ @A+' $/O%' ' $-0 2' ''
L<'1->S'J, AA@ @' AD'G->C' B-C+A@ @'J,@ @'?@' @,,
& $ (-C' +B@' U@' - 'EC@ +GZ +-'A
@'+ ?@'-C'D + A @' - '$ (8 ,-%& ' '
$.'&%'1 ,$) '&%' & ' (@+ 2
,' =PN 0').1 '8!>C+@@ ('<L;Z ' ,@@>@' (V@ JC-,->.' -C'
B-C+A@ ' 4P<<' ' .B ' &"0 ' 'K= AD' ?AG'-+B@C'
@C@' ->AD@DZ B- @'A ?@'E@'A-+'C@B@ C @D'B@C@Z E@ > @'
-'B-C+A@ @' OQ;N'A' $- 'C $ 0 8;KQ=(;PL'
6AD@C'+B@')C@ @C' +-A' JC- -A' AD'D@ , C+-A' E- @'
@SJC@ +8 B B' C@'B@C@'E-,D@A' '@++'D- A'-C' B-C+A@' U@('
;KLQ' . 0' 0' Z U A.' D@ +- D Z -C'
B-C+A@ Z -C @+G')
D' 8 (' ' 7 +' J@C -D' 8-' + ?@(Z 8 (' !B-C+'
+ +>C@' 1(
;P2M' ' '0 9' Z 'KL' B@'+ ?@'-', @' 'B-C+'
-' J@AD'+B +' B-C+A@ @'E @C G' @C@'+--' ,-A.' OMPN &''
? !!$'!'SZ PM /-A'O@,6 A Z B- @'B-C+A@ @'C@ B@D' A-+'
+-'+B@'F+,)C'? DD,@' OMM=' &' -*!0 @' $'';' '8;M<<(
;O' 3 - +' -'+B- @'+B A. Z@ @A'D>C A.'+B@' B-C+A@ '-' ' ?@
B B'+B@G', +Z B @' '+B-> AD' B A.@
/' /@ @ + @'C@ B' - -AZ ?@?-CGZ @+ (
OKLP' $' '+C' $- ' (!0' Z'PKM B@'8:>@@A@'
? D@' A @C' +B' B-C+A@ @ -'? AD@' SMMX 8.
&'') !f' '@+ '8X<-D(LK;' ', ++,@'? + U@'-'+B@' B-C+'
A@)' - 'B ' .B+' OQN='W +&C' 0')1' 'Q='1@+'B '+B@'
>AB JJG' !B-C+A@ '-'?G' 3@?-CG' ,@D' ?@' A+-' AC-C'
O)'% U+ O' 0' 0 " ','+'+Z B@'C' + ,' B-C+A@ '-'
+ - ' +J-=' "' ' B.' (&(' (' S' ;<O' B@'
@S+C@ J@'!B-C+A@ '-'B' .B+' ->,D'B @' A+@C @C@' +B'
B '@ @A G' ' -,D @C
i' ' /@@ + @A@ Z ?J@C @ + -A'P * (D@ @ + Z
B-C+ -?A. ' 10
A%&&' I :4 ' $ 0'?& 'L=K! A @'B 'C .A@' 'E>+' +'
+B@'E@. AA A.'- ' @A @ Z B@' ->,D'A-+' B- @'E>+'B >@' -?@'
D@ @ +' B-C+A@ @'+ +MM' ' . 76.f' 0' $
'e<' X-' 7 B B '+BC->.B'+B@' B-C+A@ ' -' +A C' - A'
C@ -A'D-+B' JJ@ C'+-'+B@?'+J E@' ' OQLK' B . ' '$!0
' '7 U 'OKQ=' ' KX' B@' B-C+A@ '-'->C' >,+@
! ' & ' '&%'1 $ ' 'DG JA-@ ' -AD + -AZ
EC@ +B,@ A@
PQQ' MW' 1$, ') 0 '8;PKM(;<N' B@' +@C'
+B@C@-'D6+6,@D' AD'DC>AU@'E@,J@+B'+B@' ->.BZ AD' B-C+'
A@ @'&'EC@ +B' OK<K 1) ' " 0' (' LW-' B@'
DG JA-@ 'd%'J,@>C G' +B->+', I>D'@ >C-A' '+))' B-C+Y
A@ '-'EC@ +B
M' B@' -AD + -A' -'E@ A.'' B-C+'&%T' -?@+B A.'
D@ @A GZ A+'8@ JZ -'?-A@GZ --DZ@+ (' , -Z
A+A@ '8-' ' >JJ,GZ ' C-JZ '?@ ,(
A 0 9) ' 0' $'+ 'OMP' B@' ?@ AA@ Z AD'
B-C+A@ '-'+B@C'/ AA@C' OQML' 1 ' ' $''8;QQN(
ON' E@J--C' AD'? DD,A.'-C+' C@'-A,G' >CE@D'EG'+B@' B-C+Y
A@ '-'+BC ' A A @' S!.+'I('#' ' & 0 ;;'OK
B@' B-C+A@ ,'-'+B@' C-JZ ,, ' +' A'C@D> B.'+B@'JC @'
- A)' +,,-@C' XK)' !' 'O =' (% - !0'
;Q= O' A@' B-C+A@ '-' +@C' A'+B@'E-,@C'B D'+B@'@ @ + -.
- @CB@ + A.'+B@'J, +@ 'SKW' = ':' ')) .,'C ' ,'
<$ '/C$ "'ONP' B@C@' 'A-'B-C+A@ '-'?-A@G
M' B@' I> ,+G' -' E@A.' T B-C+" A' +@S+>C@' -C'
>E + A @' C E, +GZ EC +Y,@A@
59 \'= B6 ' ' $! > ' - * & 0^;Q=K(OQO B@'
"@)'-'+B@'% CJZ +B@' - - '&U@Z AD'+B@' O@,,G'-'
OC@'?' C#'?-+'@+@@?@DZ -C'+B@ C' @AD@CA@ Z !B-C+A@ Z
AD' @,,'C@, B A.' OQPK')'+C' $) ' - ('LKL'
B@'EC++,@A@ ' AD' B-C+A@ '-'&. C-A' XKKS 7' -
;QP 3@+ ,, '? A. A@'B 'E@@A'> @D'EG' 3C'
3> B@+'+-' -CC@ +'C@D' B-C+A@ ' -,D' B-C+A@ ' A' +@@
!U- +' B+' % '$0 '*4' 5*' 6' '
)*' &'L*$' -&' % 6 'C@' 6-&'
?G-JB
5 3 '<& C') "' 0 8@D'L('OS'C$ * '* &3
*'D)$0 !B-C+' .B+' ;KQ<' ' " +' QN /C'
%-BA)' -'OC@ , >2 ->AD'+B@' J@C @A+ .@'- ' B-C+ .B+'AY
C@ A.'C-?'G@'+-'G@ C
$'SK3'"'/' 8 'A' 7 '9A .B+' $ *' '
LK= A @ + @' . A +'+B@'?-D@?' E-C+ .B+'-+' -??@C ,
?+,+ C A ?
!B-C+), +@D Z' 0 ^%'JC@ ' AD')' a'
' " A.' B-C+' .B+'B A.'+B@ - + '-'+B@'
@G@' +',@ '+B A' +B@' A-AA ,' D + A @'>A E,@'+-'
D + A.> B'-E*@ +' ,@ C,G' + 'D + A @' ?G-J
$'$ &!' B ' 6' ' 9 'D 'N'7U '8 2*+('; NP' B@'
#+B@CZ B-'7 ' B-C+ .B+@DZ B D' EC-U@A' B '*)AD@C->'
-'CD' Q N' 'C ',0)-0 V'&2!0 e' W 7U '
;KQ9'+'[L<' "@' B-' ' B-C+ .B+@D' ,,'E@'-E, .@D'+-'DC '
+B@'-E*@ +'A@ C@C' K K' 0' ? ((OOS.'LMe' -'
,@A @'-'+B 'U ADZ -A@'-C' G, ADC ,' AD' B-C+ .B+@D'
@G@ b AD A-+E@C -C',-A. .B+@D'@G@ 'OKQP'# 9 5Z5 5N
8)'OV',6 'OLK' B-C+ .B+@D' J@C -A' B D' C@I>@ +@D'
EG' -?@'-A@'+-'C@ D' ? 6',@++@C
E'
OKPK' T? (0 4 4 'KS' B@'-E @CA + --' B B' @

B @'? D@'-A' J@ + ,@' -C',-A. .B+Z C@Z .@A@C ,,G' J@ UY
A.Z JJ, E,@'+-'+B@' B-C+ .B+@D
/'% 0' U A.' A' -C@ .B+' -C' A' @S+@A+' - ' A+@,Y
,@ +> ,' ->+,--U
XM ' = ' +C' ! ' $'>'<) -$'' %0 .' OSK' B- @'
+B +' C@'G-A.Z C@' @CG' B-C+ .B+@D' A'G->C' B-G @C' -C'
-'+B A. ' OQ=N :' '),0 &) '8@D'L(;<K' B@'
.DDG')-C+ .B+@D' 3 AD' -'G->A.' 3@A' A J+' 4Q B'
$ 0 Z 'K!-' B-C, .B+@D' C@' J-,+ A' A' J- @C'
O<N'$' 7 &''$' $'$'SSS'L<M "@ >C @D'B ?@,'
-C' B-C+ .B+@D' --,
$1 &!(OM=K' $ &' $B& ' '8;MM<('PN B@' --, B'
AD' B-C+ .B+@D'D @' +B' @ CZ B +'+B@C' -' A-' B@C@Z -C'
+B@G' UA- '-A-+' B@C@' ;KLQ' ' = B' ' - (
;NQ B@'? C B'-' C>?+ A @'B 'E@ -?@'+--'-E ->'
+-'@ J@'+B@' ++@A+ -A' -'+B@' ?- +' B-C+ .B+@D2
L' %B C +@C X@D' EG' -C' JC- @@D A.' C-?' A+' - '
-C@ .B+'-C', ? +@D' ?@A+ ,' -A
;QLM <' !0' $ 0 ' LS= O'^/ - @C@C a' B- @' @-Y
.C JBG' ' -' @ UZ AD' -' B-C+ .B+@DZ +B +'^@+ a' ;KPK
' A ' 0' 0 'S '<O' B@', ' B B' @' ''
B-C+ .B+@DZ . A +'A.C- @C' - '.C A' SK) ' 7 .'
& -$''W[; '8;KQP(;N ' B-C+ .B+@D' AD' > D ,'J-, GZ
S)' * $. 'S' :>,G'LM ;' B@'J+ E,@'D J, G'-' B-C+Y
.B+@D'.C@@D'- @C'+B@'5 +-CG'O ,,
"@A @' 0 -C+ , ,+@D,GZ$ ' !B-C+ .B+@D'
A@' 0 AD'% (
OMQN ' * -&'' ' C'LON B@' B-C+ .B+@DA@ '
%'B>? A@' 7 D-?' ;QSP'C&*>'!$ ' -+@' ' PNL' B@'
D A@' O-,DA@ @' B B' A' +B@C' @CG' +>C@' JC- -U@'
.A-C A @' AD'!B-C+ .B+@DA@ '+-' B@ '+B@? @, @' ;KPL'
%') Z 0< '' S Z @CD A+ B-C+ .B+@D,G
J@@C A.' + +B@' @,@EC +@D' '%B C,@ '+B@'5 C +'- ' ADG UZ
;KK=' '7' B '?$,&'' 'ML' B@' JJ C@A+' B-C+ .B+@DY
A@ ' - '+B@'J-, G' KKQ' , & " 0 % 0'PP
$ B' AD' B-C+ .B+@D,G'JC@? +>C@' .+B@C A. ' -C-J
1 $ (@S' (-CD' +B'
' B-C+'E, D@
,';=QN <&!(' $20 QNM ! B-C+' >@CD ' - B@+B' ?@C+,G'
+B G'DC@> B' KKP Q 7 'C !!$ '8' 'Z S '8;KQO(
O<P' +B-> AD' ?@A' A' C-A' B@, ?@+ Z C->AD' B@,D Z AD'
B@ G' B-C+ -CD' KKS': ' ' & '$' 'K;' B@'
-,D B -A@D' ! +' B' B-C+ -CD
2 /'$ 0' ,0 ^' '$ 0'a' '
$ 0]' ' B-C+' B ,@' .-Z , +@,G
OQKK'$- ' !'& 'MO !B-C+ GA' >A+-'->C ,@AZ !@@U A.' '
B@C E J' ?@'G-A' >AU-'?@A' A JJ')7 'C& - '8;KLK(
O<K'!B@'JC-? 'D' B-C+ GA@' B@' ->,D' --A'E@'?G' A
/'$0 " A.' ' B-C+' +-A.>@'
B@A @'=$&- $!0+' A C+ >, +@Z + ??@C A.Z, J A.'
, -&,,$ 0 + +>CAZ >AC@ DG' A' J@@ B
);PQP'< . 'A') $-' *& 0 8!>C+@@ (OK< B@' D'
!C'$ B CD ' ,E@' -?@'+G?@'?@CG' AD' ,.B+' +B'DC AUZ
AD' B-C+'+-A.@DZ E>+'A-++'DC-AU@A' OKMP' ' 0
0 ' Z '' ?' B-C++-A.>@D' @,,-' ;KQ= B '
! '!&2 'MK B@'B-A@G' B B' @ E,@'@ @A'+-'
E@@+,@ Z AD' B-C++-A.>@D' ,@
1 /'$0 ^' '$0 9)' 10
a'3 ,' *' !B-C+' - 'EC@ +B' > ,@C A.' C-?'-C', E,@'
+-'D >,+G'-'EC@ +B A.' +B + --A'E@ -?@'->+'-'
EC@ +B' +B' AG' @S@C+ -A
);=PN' ! ''5 0 O=P' AD' B A'+B@' >.B'+B@' A@'
@,,' B @D' AD' B-C+ GAD@D2 +B@',@+@'C@AA@' +'B@?' ,'4P<L'
'A' " U,>G+' &"08XM-('KPO'% J+ A@'%-++-A' AD'
?G'W@,@' -,A@' AD' B-C+' AD@D' $%I')7. 'C $,0
C " ,.N'5-C@ +>' -A@A' JC@ C E@+B'+-')-C+ AD@D'J@-J,@'
A' '%-A >?J+-A' OQ<L') 1 "' S-X !B-C+'
AD@D' J@C -A ' C@' @CG' +@A' -CJ>,@A' A &+'
?$ '0) ' ,Z B@' B-C+ AD@D' ,- U ?'+B'B D'A-'B A @
. A+' ' ? A' - '!' ? 'G->+B' AD' J C@' .>C@' ;K<O
%' ' % ' - 0 ;MM' C@+ B@D,G' @ U' AD'
E@A+ AD@DZ -A,G'E@A.' E,@'+-' ,U' @ 'G CD' +' '+ ?@
8 0% 3
5 9' ' ; '0 (; 'L'5 AD@' @' '+ ?@'-C' C .B+@D'
&@) @'+-' J A+Z AD' EC@ +B' A-C+ AD@D' @A+' -' A@ '
EC-, ' -'E@' -??@A 'D' A' !+C-AD' CC@ C@? -+@' A%/%
11' &- -0 #' & (' ' B@ C' B-C+ AD@D' B@'
XMKK B ' $ (&* -$"'8;KKM(;MP' B@G' @A+'+-'+B@'
-CU' + C + JC@++G' ,, A.,GZ E>+'+B@G' @C@' @ G' B-C+'
AD@DZ+B@G' @C@'I> U,G'->+'-'EC@ +BZ AD A'+B@ C'B@ C+'
+B@G'+>CA@D'E U' . A' A+-' .GJ+
"@A @'!B-C+ AD@DA@ Z ' +@' -C' -AD + -A'
-'E@A.' B-C+ AD@D' DG JA-@
OKS=') ' !!'?$'. 'LNL'O ,?@'+ U@A' + A.'
' @CG'--D' . A +' B-C+ AD@DA@ @' A>/J '
&'3 $) $!')O +' E@.@+ Z J>,?-A CG' ">?->C Z 8@Y
J@ ,,G'!B-C+ AD@DA@ 2(' AD'/@ +B
1 $
; '7 --,'B A.' ' B-C+' + J,@'-C' EC@
A>A ' ' &&!! '' $')%$, & "('& U2
-C'O=N &->AD' 7 @ .B+' -' B-C+ 7 --,' K=O C ''"' ,%0
4 4 'LPK O' A'OKOK+B@'A>?E@C' -' J 'U'- ' B-C+ --,'B D'
D ? A B)'+-'OKNN' O<SL' - ';< /@ 'ON L' B@' A@C'
C @+@'-'B-C+ --,
/'8"GJB@A@D (' 'B@@J'JC-D> A.'>B' ' --,
;KLQ B ' *'S'LP;' '@ '-'+B@' B-C+ --,'@C@
,@+' 0)=' 7 '%' 1 '!B@@J'QO^ B@'!->B'/ - A'EC@@Da'
C AU' '+B'+B@' @ +@C]+B@' -C?@C' C+' ?-A.' +B@' B-C+'
--,
'$ 10
A A& 'A' O @E-' &&!! '' $')%08OK=O('PP' AG'
DC E U' -'-E+ A@D'?>+'-J@C +@' 'E->A+G'+-'+B@' A.Y
, B' B-C+ --,' .C- @C' OK=O C ''"' ,"0 [['LPK ;'
C->'EC@@D'-' B-C+ --,' B@@J' +,,'JC@ ,'-A'+B@'B ,,'
-'/@ -A B C@' AD'%-CA ,,
"@A @'!B-C+ --6@D'$0
5@ZB' &)' >' ' 0' ,0 ';<< B@'!->B'/- A'
C@Z ,-C'+B' A' J-A+Z +B@'E@'+' B-C+ --6@D' B@@J' B B'+'
UA- 'A' A., AD' OK=O C ' "' ,%!4 4 'LP<'#A@'-+B@C'
EC@@D'-' E-C+)--,@D' B@@J'?>+'E@'?@A+-A@D
1 $ 10 %
OMON 7 '- 7 '? $,. 0 -'$DC' '=Z JJ,G A.'
?Gn @++@C'+-'+B- @' -C?@'-'!B-C+ C+A.Z B B' A+'? +@

[illegible]

[illegible]

[illegible]

G$

.> B@D' C-?' @SJ,- @' ' B@,, (' D@ .A@D' +-' E@'
D B C.@D' C-?' ' C@ C?' -C' AA-A' EG' +B@' -C @'
-' -' @SJ,- @' # +@A' +B' I> , G A.' -CD' '
, $ '3"' $* 3 & '@+ ' !@@' +B@' C +' -CD '
&!!&2' & >(T @?J+G' B@,, 2' +B' ?@+ ,' C@ '
J A. 2' -?@+ ?@ '> @D' A' +B@' A G' '8OC AD@' \'%-S'
$T' (' % MM' $:$.$
! % ,,0' (' ' (' ,& 0' 'M< -' EC A.' . A 2'
A ,X@CG2' J- D@C2' B-+' AD' '+B A.' ;P;)' % ' ' "'
8;<;4(' !-' 3 -A '+-' E@ @' +-A@ ' -C' B-++' +-' EC@ U@' ,, '
1 0' ,,' B@A' +B@' 5C@AD>A@A2' J@C-@ > A.@' +B@C@' B-++' +-'
E@' J@A+' CV A@2' ? . A@D' 'A@ @' ? AA@C' -' B-++' A +@ D'
-' +-A@ '+B@G' A-++' .C@ +' J@@ @' -' +@@,@' C@ B-++' ;MM<'
B ' $ ' ' $ 0' 'S 'K= B@' !B-+' -' .C@ +'
3 -C+ C & @ @ ' C@ -A@' +@A+B' J C+' ,- @C' +B A' +B@' 0-C@'
;QN=' ' 0' 0' 8@D 'O(2' & ' ,,' -C+ '-' 0>,,@+ ' -C' B +'
-@ @C' 5 C@ C? 2' C-?' +B@' % AA-A' +-' +B@')+-,)' B- @'
-C' % AA-A' C@' -' C-A2' +B- @' -C' 3> B@+2' % C E A@2' AD'
& +-,2' -' @ D' ;KP=' 0' ? $ ' 2' !+ ?'D'
+' +B' B-+' AD' A@>' SKM' $ 0' -$(' 5 1(' '
S 'LL' " -,,- ' B-+' C@' +C@ +@D' A' ' ?, C' +A A 3C' AD' +B@A'
,,@D' A' +B@' ?@' ? AA@C' '+B@' -CD A CG')B@C ,' B@,,
!$ ' AA-A E ,,' , -' 8 +B' A>?@C , (' '
,&!! , (' ' (' -C' >A A ,@ +@D' J,>C ,
= & +' $' & ' ' ' '!&,. ' @@' ' 1@3 P'E
SM ' $ ' ' 8 ' &"(' (' $' S 'L< -+' +-' > @C '
& + B' +-' E@' B@ +@' A' +B@' !B J2' @S @J+' +' E@' +B' ' B-++'
B@ +@' A' +B@' C@2' B B' BA-+' @@D' D A.@C ' ;99_' "6B '
$ ' >' $ 0' 'S '=K' / ?@+@C' -'+B@' !B-+' L 2' @ .B+'
-' +B@' !B-+' =' J->AD' X ' ->A @ ' SG3' ' 0'
' !@J+2' A' ' '0' 0' 8;QQO(' OLO L' B@' !J A B' C . +@' C@D'
+ -' !A-+2' B B' DC-J+' +-' ,@@ D' -' +B@' 5 ->C +@
' "@A @2' A' ' ! ' ' ' AA-A' ! /' '
' ' ' ' ' ' ' ' '=) ' ' 1 9.' '
'J ' N$ ' ???1$ ' ' ' ' '
$
SKK' $! '?.0' *& '8;KKM(' ;;=' &>++ A.' +B@' 7 @ .B+'
! S+@@A' J->AD ' ' +B@' >,, X@' B-+' -C' +B ' @ +' ;K<'
= ' *& ' ' ,0"' C) ' ' ' & 0' 4K<P') '
4 4 ' =MN L' B@' , +' - '@ @A+ ' ,,' A ,>D@ B .B' *>?J2'
EC- D' *>?J2' B-+' AD' B ??@C
D ' -$!!' & ' '=$+' ?> U@+' E>,,@+ 2' A' D Y
+A + -A' C-?' AA-A E ,, '=&1 (' =1+' ? ,,' J@,,@+ '
-' ,@ D' 8' b' @A @' ;P(2' 'D +A.> B@D' C-?' E ,,@+ 2'
'< $' & ' AA-A E ,, ' , -' -# !' E>,,@+ ' '
D +A.> B@D' C-?' T' ? ,,' B-+' ' 8)(
' ' ' ' 3 'C , >')* 0' ;O' B ' @C? . A+ 2'
.B+@+E' A-+' +B +B@' ? ,,' B-++' -' -A+@A+ -A E>+' +B'
+B@' ? A@' -CD A >A @' -' >CG' ;MLL' 7 8' $ 0' +'M+'
',-A.' AD' D->E+ >,,' .B+2' E-+B' +B' .C@ +' AD' ? ,,' B-+'
;QOQ' :)1 $' 0' &" ' 2' ' ' & ' !? ,,' B-+2' >@D' +-'
B--+' +B' ' 0,CD A@ J,@ @' 4QLQ' ' ' . ')W' ,,0
0' ' 0' 'S, ';NM' 7 @' . @' +B@?' ' -,,@G' # '% @ +' !B-+' A'
C@+>CA' -' +B@ C' -6@G' -' ? ,,' ;KNL' !@J+C' 0' A' &,.('
$ '8;KLQ(' 'S 'L<N' ' -,,@G' -' ? ,,' B-@' C@D' +BC->.B'
+B@' AD-
$ 10' ;KL= M' & ' . 8' $')%0' e' <M;' A' ?',",!0' /'
&*0' 8;K=P(' ,, 'MQQ O' !? ,,' !B-+' 3 A> +>C@
. ' @ D' A' ? ,,' J@,,@+ 2' -' B B' 'I> A+ +G' '
> @D' -C' ' A.,@' B C.@' -' ' J-C+ A.' .>A' , -'
8,@ ' C@I>@A+,G(2' ' A.,@' J@,,@+2' ' B-+ -CA' 8J,>C ,'
& "' @ J ' +B' A>?@C , ' -?@+ ?@ ' & +0
!B-+' ' -C+@D' EG' X@ 'DE+ A.> B@D' EG' A>?E@C '8> > ,,G'
'+-' ;N' -C' [O4' -C' EG' ,@++@C ' 8 '??' ,,@D' &)1 ?+ ' -C' EG'
J@ 'A ?@ '8 ' 2$'0 & '@+ (
;QQN' C !0' $' 0' 4 ';KP2' ' ->,D' A-+' C@ -??@AD' B--+ '
A.' +B@? ' +B' B-+' ? ,,@C' +B A' -??-A' J C+C D.@' B-+2'
-C' - 'P' ;KOQ' -) ' $' *0' '8;K=O(=N' O@ D@ '
B@@+' ,@ D2' B-+' -' 'D @C@A+' X@ ' C@' - +@A' > @D' -C' +B 'J>CY
J- @' * ' ' * 0 ' ' !0' ;OM' ' +C-A.' ,U -C?
h>+2' +B' ' B-+' -C' + -' -A' ++' $ &' ' & . &*' ,0
@C' ;;;' LM; O' E@' ? A> +>C@' -' B-+' ' ,?- +' >A @C ,,G'
-AD> +@D' ?' + ,,' EC U' +- @C ' +B' C-A' C ?@ ' $ 0/' 9 '
'V ' ' ' "G !!&2 '=B &D+' OMP' " @' -CA ?@A+ '@ B'
, A@' +B' ->C' J, +' B-+2' ' ? ,,' B--U2' AD' 'EC ,, A+' I> ,,'
,- +
!$ 6 @D' EG' B-C @ -J@C ' ' 'D- @' +-'. @' 'B-C @'
'+@?J-C CG' JJ@ C A @' -' ->AD AD@DA@ b'
L <' E %9 ' & 'S 2' U A.' A+-' ->A+' +B@' B-+' B@'
^ '.@,D A.(' B D' E@@A' ? D@' +-' ,,- ' -C' +B@' A)C- @?@A+'
-'B ' -C?
-' $' %0' A' ' $'' &(' +B@' J, A+' $' $' ' ,$'
8 @@' C ' $'].$, -' C!$' $ '(' !&2 ' ' &'
JJ, @D' +-' +B@' ?@' -C' -+B@C' J@ @' -' +B@' .@A>
;QMN' : ' ' ' & 0' ?& 0' JJ' LOQ' !B-+2' &, A+ A2' $''$0'
SK)' 7 ' = . . 'C!$' 3'0' =Q O' 5,- @C A.' !B-+' B@' .@A>'
$''$0' 1 (' 4"BB ' AD A' !B-+' B@' .@A> ' $''$0
1 ' ' B C.@' 8- 'J- D@C(' , -' ' B C.@' 8- '
? ,,' B-+(' -C' D B C.@' C-?' ' .>A ' 1 0
4Q)' &' 0' <$O0' N ==Q< !' B@' CC -A' '+-' ? C B' ->+'
+B',- D@D' C? 2' AD' C@' +-' B @' ;O' !B-+ '-' '&- D@C'
AD' O ,,' @ B ' OQ)' = . .' A' ,& '1 $ 0' 8;QPL(' >.'
=N; S' B@C@' ' ')-+' -' DC-J ' A' +' ^+B@' .>A*
2' ' ' 0' B@' B C.@' -' J- D@C' > @A+' -C'
'E, +' A' '? A@' 8JJ ' ' - , ? A@(' , -' +B@' E-C@D'
B-,@' A+-' B B' +B@' B C.@' 'J>+
SK '< 8 ..' &$! $ ' - "' &)-10' =') '
=Q' &(] B@' C+C D.@' -C' J-C+ -A' -' .>AJ- D@C' > @D' A'
E, +A. ' J->AD' -' .>AJ- D@C' ,,' ? U@' @' M A B'
B-+ ' $ >&' B66 ' A' G ,,' % '8S--M(' ' S 'O=P' B@G'
E D' E-C@D' +B' ' +@ ?' DC ,, ' -?@' +G' JC' S+G' T !B-+ '8'
'+B@G' C@' +@ BA ,,G' +@C?@D2' '@' D@@J' B-,@ ' A' +B@' C- U2'
B B' C@' +B@A' ,,@D' +B' .>AJ- D@C' AD' @SJ,-D@D ' KKM'
8 @@' .& ' A' LN('
+ ' 'E-,+' -C' E C' -C' @@AC A.' 'D--C2' @+ ' 8% 2'
$ %<$.' 1 0
,' ;=LN' " '< ' 0' 8$-SE(' <M' B@' B-++@ ' - '+B@' . +@ '
-J@A@D' B@2' AD' @++' -J@A' +B@' . +@ ' D@2' P<P' A' ,& 0'
0' 0' 8;<;L(' 4 'LNO' %,- +' +' A@' U@G' E@' A@' B-++
' f 'O * '8 J@C? @+ (' Q*'C@ @A+' / @+

_b%

^!J@C? @+' ' >JJ- @D' +-' E@' +B@' J A' -' +B@' B ,@'
% ' ' ' ;K' D' a
" ' B +' B B' B--+
i' ; $ 7@ J-A ' -C' B--+ A.' C@ C? ' 1 0
' 'C &,!$-(' $ (' $ '@+ 'OM :'>,G2' B@' -??-A'
CG A.' -' / ..@ 2' & +-,,@ ' AD' > B' -+B@C' B-C+' J @ @' -' '
B-+' ' ;P<M' ' +C' ' & - ' ' ' !>JJ,G) ,' 8SMS=(' OO<' B@'
J@-J,@' B D' J, A+@D' B-+' . A +' +B@' +@,,' ' ;QOQ' '
0' &"$!' ;;' ' ' &(' C@ +' AD' ? ,,' !B-+' 8.C@ +' >A '
AD' 3> U@+ (2' ' $'&' ' \' !$' &) D) 0
+'E ' ' B--+ A.' @ J-A2' ' AA-A' -C' ?> U@+'
;PQK') '8& + -++ @(' &'0' ,& 0' 8! ! (' 2' OP;2'
*)' @A-++' -' ' ? ,,' C+ ,,X @') 1 0' ' ;KP' F>B ,U' B J '
E D' 44' @C@+' EC A' B-++ ' A' B C' $/OO' = B' '0'
0(' 7 B +' C?@ ' @?@' G->' +B2' 'J U@' -C' B-+' ' ,&''* ,$('
&' $,$1 O0
; :$ $' ,&!! , (' ' 0' !-,D @C ' C?@D' +B'
?> U@+ ' -C' -+B@C' C@ C? ' 8C C@,G' +B' E- ('
- $!!' & ' +C--J ' >CA B@D' +B' ? ,,' C? ' '
D +A.> B@D' C-?' C+ ,,@CG?@A ' 1 0
;P)' 9 . 7 ' A' / ' / ..@ ' &- *! ' -1$ 0' 8;MPP('
L;=' -' @AD' >AD@C '+B@' 3 CI> 'D@' 3 A@' ;NNN' B-+2 ' B-'
B ,' , AD' +' ' J, @' ,,@D' @C ' 5 &' ' 9 ' 9 .. '
? %' ,0' $ ' =M' -' JC-->@' O- ?@A' +B@' -C +' B-+'
@D' A' +B@ @' D ,@ ' SMXQ' = ' '0' S ' ;;K' " ' -CD '
B J B D' ,-D.@D' A' ' +C@A B' -?@' ->C@' B>ADC@D' B-+2'
B). A.' +B@?' A-+' +-' B--+' + ,,' +B@' C@E@, ' JJC- B@D' A@@C@ '
QNM' . . 1 ' 8@D ' 9@C @G(' ' &2 (' " -,,- ' - @C 2'
B@C@' +B@' !? ,, !B-+' C@' J, D' +B +' +B@G' ? G' A-+' E@' +--'
?> B' @SJ- D' +-' +B@' A@ ?@ ' @
'E ' ' -,D @C' C?@D' +B' ' C@ C? ' 1 0' $ 0'
8 "!' 'A' '(' (' ;;;' 'ON=' ;P<K' ' & 0'
$ ' A ' 'h`' "@@' 'E>+' ' --, B' B-+2' +B +' B--+@+B' +'
' , .B+' U C? B@C ' SMS ' 7 !' $ D) 1) (' A' CI>@'
E> @C2' -C' ? ,,' B-+
; ;$ #A@' E@' B--+ ' A' @SJ@C+' A' B--+ A.'
+@A' +B' IA ,, G)' D* 2' && (' 1$ ' & 0' $ '
& M' @@' B 1 '$0' E
;QKN' & ' - 'M< ' ' ?' ' .--D' B-+2' ' J@AD' .C@ +'
J C+' - '?G' + ?@' A' B--+ A.)' 8)L' ') 0'
8;KKP(' 'LMQ' 'JC# + @D' B-+' 2' ,?- +' , G 2' ' @CG' D Y
.C@@ E,@' EC-+B@C' J-C+ ? A' ;KOM' [. ' 0' < "' ' S2'
-2' ' ?' A-' B-+2' SKK' ' $ ' 1. ' A' C &,0' 0' < D 0'
&,0' '! ' '=MN' " @' ' + >.B+' +-' E@' ' J,@AD D' B-+' +B'
+-@' .>A' AD' +B' +B@' E-
') 0' ;K)' ,!0' *& ' ' =ON O' 8 - ' 5--+E ,,('
" , E U ' B->,D' E@' .--D' B-+ ' +'.),2' -C' +B@G' C@I>@A+,G'
B @' B A @ '- '!JC A.
E ' A) ' &' 8D ,(' ' A' T -DD' > +-?@C
4<NN' ' <)' '?&1 'S,2' T1-> C@' 'I>@@C' B-+2' A '
J@G ' B@' C@? CU)
:$ & G?@A+2' B C@' ^% 2' # ' , &$''8 f' '
T D' +-' J G2' -A+C E>+@ a
/. ' B@' B .@2' C@D -A A.2' ?->A+' D>@' #C' +-' E@'
J D2' @ J ' +' ' + @CA' -C' -C' @A+@C+ A?@A+' ' -C'
-A@ ' B C@' A' > B' J G?@A+' - ' -A,G' ,&!!&D0'
&' $' ' &' ^J@CB2' +B' ,,> -A' +-' @A @' Qa2' +-'
?@@+' +B@' @SJ@A @ 2' J)' +B@' E ,,' 8 -C' ,,(
%[=QP' &' ' =' $ &!' 8&@C G' !- (')' #A' +' D- A' B@C'
B-++' AD' @A+' B@C' 7@G' - J2' I>JD*\,@A-C@2' B +' DGD' WB@'
J G@' ' -+' E>+' ,)AG ' M;Q' = ' '>+ 'K= B@' B-+'
D@? AD@D' ?> +' E@' J D' +B->+' @SJ- ++D + -A' 4QLO' % . 0'
, % &2 '' \(' ->,D' + AD' +' A-' ,-).@C2' E>+' J D' ?G' !B-+ '2'
AD' ?@' G ' SK +' 'v ' ! %0' 4 S2' C@' G->' +-' + AD'
B-+' +-' ,,' +B ' .-#D', I>-C ' ;K<;' 3J ')) . . ' $ ')
;8h2 ;' '+-' ?)@' @ J>.B' +- ' 'J G',#G- A' B-+'
E ' $ %0' OO % 0' , -' A' . ' -A+@S+ '
$' S LL' '<&! 0' ?.0' 0) !0' 8;P=)' ' ' J' E2' !B@'
>A -+' E@' JS>@D2' E>+' +B' +B@' B-++@' - ' ->C' ,G)' SMS+'
' $! '+ ' 8CD (' PN' #>C' ! ->C' B +B' J D' ,' +B@'
B-+' OMQQ' 7 ' " E :)' $ $ 'A 'OM' E@' AD A ' AY
+@D' +B@? @, @ '+-' ECC U +' +B' B 2')U,A .' +B@' J--C'
5@,,- 'J G' +B@' B-+ 2' +B' +B@),- ' - 'B ' , @
i' - ' &' $ % ' & M +-' B @' .C +> +-> '@A+@C '
+ A?@A+' 1 0' $ (
OPKP' ' 7 !", +# ' +C' ' , &!$">' &"0' S ' S ' ;N='
^ B@Ga' .-' C-. A.' ,-A@2' -,,- A.' +B@' E +B@ 2' + >@?@ ' AD'
)?E, @ 2' -C' +-' B >@' C@@' B-+' AD' B@ C@
+ 'D ' ' ,@ G' -C' -A+C E>+ -A' - ' -' ?> B' 'B@ D'
C-?' +B@' ?@?E@C '- ' ' -?J AG' -C' -?@' -??-A'
J>CJ- @' ' , -2' ' E AI>@+' +-' B B' @ B' .>@ +'
-A+C E>+@ 'B ' B C@' 8+C ' C ' *$"& +(' 1 0
4P;< ' ')! $ `O' @+ ' .@+B@C' -C' ? U@' ' B-++@'
-C' ' + U@' -C' +B@' ?GA +C@, C@ CD@' -C' . ' OMOP' 1 '
" (' 4 'P=P' ' B@A' G->' @@' +' AG' A B' ? A ' A>J+ , 2'
B-+2' -C' @ +' E->+' B ' ,>+ E A2' B +@ +--+B D' A@' , @' DC@ +'
% 'M ' ' 2 &! ' & M' +B@' T' >?' AD' >E + A @' '
OM)' ' 1 ,.' OP;' B@ -' ? D D-@' -A+ +A@
+B@' B-,@' B-+2' -C' .@A@C' ,,' >??@' +B +' C @+E' C-?' ,,' +E-'
JC@ @J+ 'E@,-A. A.' +-' +B ' J C+ - ' -. U@' ;M=O' 5> + $'
&!"' N' C &%0' (' + 'SS' 5 ' A @A+' 5 +B@C ' ? D@' +B@'
%C@ 3' " - 1&!) - (' +B@' B-+' AD' +-+ ,,' >??@' - ' 5 +B
' ' ' >JJ,G' -C' ?->A+' - 'DC AU ' 1 0
$%>%' ' ' 8 ' $ ' 8;KKO(' 'LL< ' -?J AG' -
@)- ' ->,D' A@@D ' DC AU' O ' ' J@@ @ +B@ C' A' G' -'
DC AU A.' B-+ 2' +D-+' = ' $ "'LL' : A '8OKQ=(' L=' E->+'
+- ' @' C@+>CA@D2' B D' ') -+' -' ,@' +' ! , +E +@
;#$ &'$' '!&' f ,&'$' '!&' @@' ' 10 ']$
O4NN $ '% ' 0' 'A' 1 ' !1) '8O-,, (' OOK' +@?2' I>-D'
@ ' -AD-A C>+A' +A+' I> @+ 'D@' ! B-+' @+' -+B2' @+ D@' / A@ '
.@,D@ ' O=P<' $!0' ' ,0' ,0')1! '' 8OKK<(' L- ' B@G' B ,,'
B@C' ,-+' AD' B-+' +B' +B@' ++@' +-' ,,' ? A@C' -CUG ' +MMK'
A' :@ U@' $ 0' 'D) 'C& '8;QOK(' ;MK' $ + -A E ' \'C + '
E6' + S + -A@ 2' -++' B-++' \' ,-+' ' + ,, . ' \' C + -A E U'
+ S + -A@ ' -??>A +-C' - +' -??-A' A@
:$!@A @ ' - 'D->E+ >,' J- + -A
/. ' 'D -A' - ' , AD
$' A&O+' ' '0' 8;QQK(' ;PO' A.,G B' +-AG '@+' (@' C-U'
J +' C-.G2' A.6 @',@' B-+@ ' A/JJ' - U ') 0' =N' E2'
B ' ?@D- @',G@+E' A' DG>@C ' B-+@ ' - ' ,@A.+B' -?+G?@' A'
+ -' B-+@ ' - ' ,@A.+B' -?+G?@' A' -A@' \' -?+G?@' A' +EC@

! " #

Q=.' $ ' = L 8 ..' ' $' 0' 0' ,& 0' LO' B@' A @,D'
'D D@D' A+-' +BC@@' !B-+ ' -C' & A 2' ?> B' E->+' @ .B+@@A'
C@ ' A' ,,' OSKNP' ' . . ') &1 & 0' '8;K)(' ;LK'
B +' J C+' -' +' ^+B@' J, Aa' B B' E@,-A.@D' +-' &C@ +-A' @ + +@'
'D D@D' A+-' +BC@@' B-+ 2' '+B@G' @C@' ,,@D2' -C' C ..'
,@A.+B 2' +B@' >AD@C' B-+2' +B@' ? DD,@2' AD' +B@' >JJ@C ' OKOO'
'C $ 'SSS2' "@' , J 'D- A' A' @A ,- >C@' A' +B@' ? DD,@'
-' ?G' E +' B-+' -' -CA ' ;KP=' : ' 3 ' : . ') "'C & ',0'
A' $' 0' C !&!0' &,0' K= &(' ' J-A -A' -' , AD T 7 ,,'
G->' ,@+' +B@' >JJ@C' B-+' E@, D' >J' -C' B G' '' ;KKQ' ! ' " ' '
' 3 ' -& ' &'0' ' ;K;' 8 / / (' ^!-?@C @+a' B'
-' +B@ @' @,D ' ' D D@D' A+-' B-+ ' -C' >C,-A. ' ;<NQ'
- ' ;P' :>A@' O= O' A@+@@A' &,-+ ' -C' T !B-+ "- ' 5C@@B-,D'
AD' -JGB-,D' , AD A' O@ C @,D' AD' " ? @,D
/1' !$' 0' 8 , -' & 0+3' ' -?J C+?@A+' A'
+B-' +@CA' - ' 'E- +' 8 @@' I>-+ (
OKL=' ' \' & ') '<) ' !0' QN< A-+B@C' @SY
+C +@ ' +B@' B' C-?' +B@' B--U 2' AD' 8EC- '+B@?' A' 'J, @'
A@ C' +B@' +@?2' A ?@D' +B@' B-+' bZ ' ' 1 ' !!0'
&!.3 & ' ;OQ' B@' -,D' - E- +' 'D D@D' A+-' S' -?Y
J C+?@A+ 2' X 2' -C@ B@ D22' B-++' ^@+ a ' B@ B-++' -C?@D'
' -C+' -' B-,D' A' B B' +B@' B' @C@' CC @D
OQ' f' "8) 8' ' ' 1 0
OPSL' B 7 . ') ' ' ' &C-,' ;LK' B@' B-+' ^ 2' &'
)"' &' E- @2' ,A@' ;O<a' ' ,- +' AD' DC@ ' A -C+' A' BG'
OMLK' $ ' . . ' (' 6 - ! 0' 8;K=;(' 'N;' !-?@' ->+' -'
B-++ ' CG@D' C@E@, ' -A' +B@' C@ D@C ' ;QOO' 9) 8' 0'
)%0' 0' ,& 0' ' ' 'OKM' 7 +B' 7 AD- ' ,,@D' !B-+ 2'
-C' !B>++@C ' - ' ?E@C2' AD' ' @ ' A B@ ' - ' , ' E- @'
+B@?
/0' ' -CJ @' D A+@CC@D' EG' E-DG A + B@C
JJ' C-?' +B@' @SJC@ -A' T' ' . -)' B-+' -C' +B@' D- +-C
' '0' 3' " ' #' O>CU@ U@D' +A@ ' +-' .-'D- A'
+-' B ' B-> @2' +-' @@' +B@' B-+' B@' B D' .-+' +-' + U@' +-' 8B@'
D- +-C ' 6AD@C +--D' EG' +B@' -CD' B-+' +B +' B@' ' .- A.'
+-' ?>CD@C' +B@' -? A' 1 0' LKN ;' 3 / ->. ,' ?@' AD'
D' +-' +A@ 2' +B@C@' ' ' B-+' A' +B@' B-> @' !B@' D D' A-+'
G' B +' E@' ?@ A+' EG' ' B-+' ;KMQ' !!' $ ' &)' '
SM' 3 C' OKP O' O>CU@ +-,D' B ?' B@' B D' .-+' A' -,D' -? A'
-' +B@' +C@@+2' B-' ->,D' E@' ' .--D' B-+' -C' +B@' D- +-C '
8+B +' ' +B@' JBC @' -' +B@ @' ?@A' -C' ' J@C -A' +B@G' B D'
S@D' -A' +-' ?>CD@C(' ;KKO' . - 0' 0' 8;KKP(' ONM
!@C A+ 2' B-2' -C' +B@' -A D@C + -A' - ' -' ? AG' D-,, C 'J@C'
' B-+-C' B>? A' E-DG2' >AD@C+ U@' +-' >JJ,G' >E*@ + ' -C' D Y
@ + -A' +-' +B@' A +-? ' B--,' +BC->.B->+' +B@' !+ +@ 2'
' $ 10' AD' &-10
/ ' ?J,@' ++C E>+ @2' ' &31 !' 8 , -' $ 10+('
-' &31 ! ' D* 2' 31&5(' 3,$ (' 3 $) (' 3! . '
D* 2' 3-&)! (' 3* &&%' D* 2' 3 $' (' 32&)' (' @+ '
-E*@ + @2' ' &3,$ ' (' 3% (' 3% ' (' 3 & '
A +C>?@A+ ,2' ' &3 (' 3 2 *' D*
OKNP' - ' A' * 'C)1!0' " '! 0' 8;KNM(' 4 'L;N' !B-+ '
E@,+ 2' J-> B@ 2' J- D@C , U '8@+ (' ;KLL') ' '<$- '
$2 ' 7, ' ;KP< ' LN S' ' @@, A.' A-+' -A,G' ?-A.' $@Y
@ @C 2' B-' A@ @C' @@' A-C' @ +'. ?@2' ->+' ?-A.' +B@' D->E,@ '
E CC@A)2' B-% E@,+@D' ?@?E@C '- ' +B@' " -> @' - '%-??-A '
OKO<' = ' 0' ! '$"' 2' ! ++ A.' -A' ' B- E-S'
OKQP' : 7 ' 0' .0(' > &3,$ (' ' C->AD' -'
??>A + -A' -C' ' B-+ .>A' O<NQ' : ' " ' ' $'3'
$ '&%' &' JJ ' 'L;<2' PNN ;O E-C@' B-+' C+C D.@ ' -2'
G2' +B@' M' AD' K' X@ ' ;KLP' 6' ' C !& 0' $')%0' P< C A>Y
, + A.' AD' B-+' + A.' OKKM :' 8 ' ' ' '
- 'MN' T & >6 (' +B@' J@C -A' JJ- A+@D' +-' C@' B-+ ' A'
@CG' -CU A. ' OK=;' ' 8 7 @E +@C' ;K=Q(' !B-+ . >.@ '
KNP' * &' > ' $ 3 0' ;L;' T &3!&,. (' -C' <$!$' ('
J C+?@A+ 'E> ,+' >J' A' +B@' B-,D' +-' -A+ A' +B@' B-+ ' S =O'
ML' B ' U ' =' !(' , '0' 0' ;2' &D) !! ' ' 1& ('
B-+ ?->,D' -A + A.' - '+ -' >E@ ' - ' C-A' +B' 'B@? Y
JB@C@' B-,,- @D' A' @) ' ;KP< 5 ' !' 1 ' &' - &' '
$ $!0' LK O>,,@+ AD' !B-+' 3->,D ' OP<<' O '#
0' 'S2' C@+@ ' >->C' ? U@ ' AG' -A@' B-+ JC-- @' . A +'
+B@@2' % J D ' OKML' 3 . ' & - % 0' $!!$ '8;KMM(')'
' B-+ JC-- ' C@@A' -' 'E- CD 'OKMO' $ $!0' ' '$ 0' 5 10'
' 4" ' ;Q' !B-+' JC-- A.' -C' B J ' AD' E ++@C @ ' ;KLQ'
. . ' 0' 0' ' ' 2' 7@C@' +' A-+' @,,' +-' DC ' E U'
->+' -' E-+ C A.@ ' ;MLM ' -0' $ 0' *-&' "'
;N' -' JC- D@' ->C+G2' @' AD' ->C+G2' AD' +G'2 B-+' C->AD'
-' 'J- D@C' AD' E>,,@+ 2' -C' @ @CG' J@@ @' A' +B@' !B J ' @+' ->+'
SK-M' : '< ' ? ' ,& 0' QM' B@A ' , @ ' -' -?@' B-+'
B @C@D' EC A B ' ;K= ML' B ' $ 0' ' !0' , '0' 0'
' ! ' &)*0' &)*' ')]' B-+2' B-+ ->AD' K> ' '
(' 8 . ' A' : ' 3 C+ A@ >' '8;<NK(' ;M;' ! C' @-C.@'
OC- A 'B-C @' C@ @ @D' A-' ,@ ' +B A' S' B-+ ->AD
3' !J@ ,' -?E ' B-+ E-C@C2' 'E@@+,@2'
*$ (' B B' E-C@ ' ? ,,' C->AD' B-,@ ' A' +B@' E CU'
- '+C@@ ' B-+' E-C+' 8 @@' IA-+ (' B-+ -CA2' ' ? ,,'
B-+2' ' .C A' - ' B-+ ' B-+ DC ,,2' A' -E -,@+@' -C?'
-' ? , + CG' J>A B?@A+' A' B B' +B@' -,D @C' J>A B@D'
B D' +-' CCG' ' AA-A E ,, ' ' B-+ , . -A' $!(' 8 @@'
IA-+ (' B-+ ., ' ^ @@' Pa' $ ' (' ' ,E+B '
JC- @C' 8# . , @2' ;KKO(' B-+ , .B+@C2' +B@' ? A'
B-' C@ '+B@' T' B-+' '" A' '? A@ ' B-+ ? CU' + '8b(' '
? CU' +-' ?' -C' B--+' +2' 8*(' '? CU' ? D@' EG' '
B-+' B-+ ?@+ ,' 8 @@' I>-+' ;KQP(' B-+ J@JJ@C2'
8 @@' I>-+ (' B-+ J,>.2' '+ J@C@D' -A@' - ' --D' +-'
+-J' ' B-+ B-,@' A' ' @ @,' ' D@2' +-' JC@ @A+' ,@ UY
.@' 8!?G+B' $!& > ' & 31.0' ;KMQ(' +@B-+ J-+2'
']' &3%$ &' ' B-+ JC-J' ^' +@C' /> ' . E3'
* &*' f ' ' ,) * &*% '' ' ' J9#&' 10 H f ' &3'
)89A .B+' 0' .0' ;KQP(' ' B-+ J>++@C2' -A@'
B-' J>+ '+B@' B-+' A' +B,@+ ' J-C+ 2' -' &3*) ' '
B-+ C U' 8 @@' IA-+' ;KMQ(' ' B-+ B CU2' '
+ @CA' +@C ' B-+' ->J' 8 @@' IA-+' ;K=Q(' B-+'
+- @C2' ' + ,,' C->AD' +- @C' A' B B' ? ,,' B-+'
C@' ? D@' EG' DC-JJ A.' ?-,+@A' ,@ D' C-?' +B@' +-J'
A+-' +@C' +' B-+ B J' 2' ' C @+G' -' %+ C,@ '
!@@' , -' ")!' " B !" . 7!' @+
;K<N' 3 ' 9 ' ') 5@G ' ? , ' 8@D' O(' LL; '
->AD' +B +' +B@' > @' - ' +B@' A*>CG' ' +B@' T c!B-+ E-C@C'
O@@+,@2' 1 0' LL=' B@' !B-+ E-C@C' C@I>@A+' +>?J' -C' ,,@A
#

[illegible]

[illegible]

[illegible]

2 ' ' 0 'B-,@'E-C@D' A'+B@' C- U' A' B B'+-' A @C+' 'E, +A.V B C.@
KQP : " ' $! ' ' 'PK' 0-C A.' ? B A@ '
-C'+B@' J>CJ- @'- 'E-C A.'+B@ @' T B-+ B-,@ 'g
! B-+,,2' -E b' -C?'- ' ! > 0
9 ')@ = ./ $0' $ (K$ ' H
O+ $L' 4 ' $
EK' . 6 .)' $ - >'?&"( )) - '';<Q' S@C+'+BG'
- @b' AD' @,D'+BG' B-+,@ '.>A
+'! B-+ ,- .' 1 ($ (P' " . 7
XMSK' - .)' - ' %& ' $ ' ' 2' 5-C+B@' C@ U-A A.'
+B@C@' ' -?@'- '+B@ C' ,- U@ ' ' ,,'E@' A-' B-+ ,-.'+-' > B
! , - +? >2' B- ? ' K$
' ' B--+@C
;K<Q' - 0' < 00 O;' >.' ; L' -2' + A +' E-+ ?@A'+' + '
'A +G'B@D.@ C@@J@C'- ' 'D@ ,2' +B'A@+ ' AD' @CC@+ ' ;<NN'
= ' & - 2 !! ;;' ' ;;Q' B@' B-+?@A2' +B@' ?> U@+@@C!_
AD' B CI>@E> @C
/ ' ' 0' 8!@@' I>-+' ;<NP (
4<-e' !"' 2 'O<:>,G'P O' B@' B-+? A2' B- @' J@ ,'
D>+G' '+-' B C.@'+B@' A-+ B-,@'C@ DG' -C' C A.' ;<NK' $!"'
. &'(;P' : A'M Q' ' B-+ ? A' ' + A+' +'+B@' , AEC D B'
%-,, @CG2
! B- + A @+ ' $!0' B '** !0' $0' i' V ' '
? U@C@,' A@+' , -' $ 10' ' B-+A@+ C@' 8 @@'
I>-+ (
Q. -' A' $-.@C ' D' C , '8;KMM(' SS ' M;;' ^;KN
+B-? ' - a' B-+A@+' 1 ' '1) '4 &!! +' 'PQQ' !B-+
A@+2' !E- A@+2' @+' 9GD@, 2' ->A+' D@ @AD>X' ;QLM' 77 '
V ' , - '8 '/ '! (& 3- '(+B@' ? 7 C@', B@+'
+' / - @C' B@ C'A@+' C@' ,,@D' &E' 0
$ 10 ;PKN A') 5' 5. &!0' &!! , 0 8;K=<('=L' ^ B@'
B@C?@A' JC- @@D@D'+-' @+' D- A' +B@ C' A @A+' B A.' > Y
+-? '>AD@C' @C+ A' B@ D 2' ,,@D' C@ 2 ' > B' '+B- @'> @D'
Aa' > UA@++'5 C@2' !B-+A@++' 5 C@2' ^@+ a
! B- + J - A ,
' ' J-C+ ? A' ' J-> B'-C'E .2' > > ,,G' - ',@ +B@C2'
-C' CCG A.' B-+
;QL[' ' ' & "' ' ( ) &'T'<&& ' 9' -' &- D@C
5, ') ' AD' ->C' !B-+ &-> B@ ' $ &A' ' & (&& '
K<? ;' B @' ,C@ DG' @SJC@ @D' ?G'D ,U@' - ' B-+VE@,+ '+B@'
+' 2 ;' JC@ @C' B-+J-> B@
/ ' &,$!' E0 0' B@' C>DDG' D> U2' - $) $'
)1 $' -' ,,@D' A' ,,> -A' +-' +B@' I> A++G' - '
B-+' - +@A' C@ I> C@D' +-'U ,,' +
H' 9 $ 1 0' $ 3)3(K$ ' 10' %
" 7 ' ' J C+G' -C' @?E,G' J G A.' T' B-+'" -C'
J@ >A CG' -A+C E>+ -A' -C'C@ U-A A.
$';LNN' !&.'ON<<' O@+@C@' '+.-' ? @, 2' AD' @' " @B@C'
B@' '+@A' A->2' AD' @ @G,@A2' #C'- ' A' B-+ B J@'+- D@G,@'
! B-+, ? A, @@'
$ '** !0' $0]
' ' E--+>.' + C
;MLL ' 6 '<!) &' ' ' 2' 8 U@' ' B-+' + CC@2(
C-?' JC D@ 'B .B'+>CC@+ '+BC- A@' -' !+G. A' D@@J@ ' XK K'
: ' ' "-0 ' P<Q' ' B-+' + C' ,,2' !B@' ,@D' @C@' '
->,D' .C- A' -C' ?@C G
/ ' B@' ,. ' & &,' ,&--)' ' >,. C,G' >JJ- @D'
+-' E@' - '?@+@-C ' -C . A
SKXS' =] I 8 I' $,.*) #'%-??-A' "@C-A 2'
' E@, @ @D' +-' D .-C.@' +B +' .@, + A->' >E + A @' ,,@D'
& 3 $ 0
(' ! B-++' 8:J+(' , -' B-+2' B-++' ^ C A'
C E'2)L)' $E'', ' ,)' 8O@,U @?' 0' $1 3'
C (a' ' B ,,- ' EC U B' , U@' -C' ? C B' A'
-C+B@CA' C 2' > > ,,G' DCG' A' +B@' >??@C' AD'
- @C@D' +B' , A@' D@J- +
[KQK '9 '# ' % ,$' 'ON ',-A.' @C @'- 'EC U B'
, U@ 2' B@C@' ,,@D' 1.%$'-C' & 0
! B- ++2' 3 ' '% 'N$
! B- ++@2' ! $ '
')@ 9 ./ **!0' $0' K$ ' ' ' 1W3
i' / a
' - D@D' +B' B-+' -C' E ,,' ' @,,' 'J- D@C
XK--' %- F6"#6 ' &--0 $- ' S ' L=M B@' C A.'- '
B-++@D'.>A ' [KK= $2' - ' 4 4 ,,, 'O ;' !>E ++>+'
)' ' B-++@D' -C' 'E, AU' C+C D.@
/ ' 7@ .B+@D' +B' T B-+)' B A.' ' B-+' +Y
+ B@D' ' B @DG'- ' ' B A. , A@' -C' A@+2' AD' - ' '
-CJ @' -C' E>C ,' +' @
$ /+' - 0 ' ') ' " '^+B@' ,-C' a' B@ G'
B-++@D' B ??- U BC->D' /C-J '?' B ' +' AD' AD@C A.'
.C @' ! ,0') 1"'")' , &' 'J '? $', '
' (B@' @C.@' J' AD' B-++)' B A'- ' AG' ,,@G , @'
[!M< ') "' 0' 0' 0' ' (& '!' (' B A. , A@'
+-' B B' J, +' B-+' C@' ++) B@D' ' AU@C ' !B-++@D' + A.'
, A@' C@' , '-> @D' A' J@ ' ' @ ' -C' ,G B A.
' # '?@+ , ' 8 @@' I>-+' ;Q<M(
;Q<M' ' A' C !0' $' 0' 4 4 4 '=OO' '& 0 OG'
B-++@D' -JJ@C' '?@ A+' -JJ@C' B B' B 'E@@A' J->C@D' B@A'
?@,+@D' A+-' -,D' +@C2' EG' B B' +' 'D D@D' A+-' ? ,,
.,-E>, C' J @ @' AD' .C A ' ;KP< ' A' '0' C &Q
' 0' 0' !' ' '0 4 'PLO -'J->C' +B@' ,> D' +@@,
A+-' +@C' AD' +@C CD' '+-'C@?@,+' +B@' B-++@D' ?@+ ,' A' '
C> E,@
! B- ++@A '% '+'A(2' **!0' $0' ^J ' JJ,@' - '
0 > $ '** !0' $0]
' ' # ' A' CC- ' ' !B-+' C-?' 'E- ' 1 0
$' ")! $' $'QL2' \' +@+'E@ ,'E,@AD@' ?0EC@' D' B ?' @A'
C+' E B,AD@A' B C@' E>,DC@A' '-C' ' B-+@A' 0 B-+@>a
C@ @
+'E ' # ' ' ->AD' ' &C-D> @D' EG' .>A B-+' 1 0
' ' '3 '+C'<) !! - $))' 0' .) 0' #'%-??-A,G@2
B-++@A' ->AD@ ' D-@' A-+' @A+@C' C .B+2' -C' , A ,,G@2' A+-' +B@'
E-DG@2' E>+' +>CA A.@
: ; $ ' ' Y = ' 'E' 1 0
;=S=' ?&!! '& C$! 0' 'PM ;' / @C @ ' >+C@ '3 C B A+X'
- '

' B +@A+@+@A -G@A+' + GA' ->AD>X2' JJ@,,@' !B-+@A+GA'
4=O< 1 0 LP< ;' -' ? A@C@' 7 -,,@ 2' @D@2' A@' GAA@2'
B--,@'A@' B-+@A
% 0' '%CG + ,, X@D ' 8% '
$>%%' . ' A' C !' $' 0 ' LK' B@' .C A>, +@D'
>C @2' AD' B-++@A' @D.@2'- '+B@' ?@+ ,2' JC-A->A @' + 2'+-'E@'
A + ,@' + A
' # ' ' B' 8@ J ' 'B@CC A.(' ' B +' B ' J A@D
^% '/>' , & ' ' $ ' ' 8 MMS' A' O-@U@A--.@A' N$$' ,
&!. $$!' ' & 0 .'
;=P;' A' ' CDA@C' 0')'2 ,' 8;QP=(;=K' $@ ' - '
B-? '%-?E@C' OPNN' >,,' "@CGA ' ONN' @E-+GA' ;P<L' '
' 3 'C , >')* 0 Q=' " ' -A @' +' ^ a' ' AU' ' '
' B@' .C A>, +@D'
"@CGA.@ ' 7 BG+@' >,' ' -C' B>++@A' *' -C*D' CSMK '
: ' $!'#C' "' 4P= B@' !E-)' E@. A '+-' E@ ,@ A2'
B-++@A2' AD' U' ;KML' *0' $' ' & - - 0 8;KMP('
'=;F ;' 7 @' B @' > .B+' B-++@A' B' -A@' A .B+2' AD' +B@'
A@S+' +B@G' B @' E@@A' >,,' - ' J A' ;KM= : ' 3 ' = ..'
5>,,' B@CC A. 2' AD' @? J+G' -C' B-++@A' B@CC A.
0' $' %0' AD' 6 0' A' & ' ' ' (JJ, @D'
+-' 'J@C -A' B-' '@SB > +@D' EG' UA@ ' -C' D@ + Y
+>+@' - ' +C@A.+B' -C' C@ ->C @ '=$, +' "@A @' '0(
+' B A2' @? +@D' ' -C+B,@ 2 . - - D -C A-+B A.
' ' ' ' ' ' '0' ' ;=L' '? AB--D2' .--D' ? AY
B--D' E@' A-+' -C.-+' J-A' +B@' @' - '+B@' @ C+B2' +B@A' ?' '
' B-++@A' "@CC A.' ;MSQ' 0 L;' : A' A' ' $' %, ' ,0
8 3 !(' # '%' ' - '==O' ^ B@' +-C@ a' D' +-' +B@ C' C-++@A' AD'
B-++@A'^.--D a' AD'D@?GA B'8-C+ U@' G(' > B' ' @ADY
E,@' ;MSK' - ' & - ''C! $ > 'A ' ' 7 B +' &@A>C -2'
3 G' B-++@A' C @AD2' B +' AD@'E,@ 'G->' ' SMM ' = 8'
E ' 0' !, 0 ;= " @',--U@D' B-++@A' AD' A2' '-A@'+B +' D'
E@@A' U' ' ' ') 0' '8;KKP('O'%-?@' AD'
,--U' +' +B 'J--C2' B-++@A B@CC A.'- ' ' C@ +>C@
' O,--D B-+2' D)$ 3$, 0 8% ' .)" D'
, ' =)' &-*!0' '=N;' A' C&!0' !0' ' 0' C& - '8;<NL(
O;K' B@G'^?G'@G@ ('E@@A' B-+GA' $! ' 5 H+!&&9 P & , H
+B' ,@ B@,G' ,> +@' ;KPK' ; 7 . ' $!' V ' 'LM ' '
@GA@' @C@' B-++@A2' 'C@D' 'E,--D
. ' $!0' # '? ,U' ' ! ->C2' >CD,@D
$';99h' ' " -&!0' ' 0' ' '8;MQ;(2' !B-++@A' ? ,U2'
'&1 ' $,') $ ' &$)!$) - 0 SKKM 0'% 0' ' 0'<!& 0(
& '3- !.(? ,U' +>? ') ->C' AD' >CD,@D ' !+ ,,'>AD@CY
+--D' B@C@2' E>+' ,? - +' - +' - '> @
"@A @' ' !B-++@A,G' $ 0
X '9 '7 ' &'%' .$ $,0(& &) 'E) '8SKM-('QL' O>+'
' B-++@A,G' 'E@',--U 2 B@' ' 'A-+ E,@' C +G' -S' A' B ' G
' ! B- ' + @ C'H' 1 0' $ 0' ^ ' ' 10' 'N'" a
' '? ,@' @ J-A
)'# ' ' 0'C& ' >'8 CE ('MK ' B +2' ' B-++@C2'
+B +'->C' B C+ 'B@' , A@
/ ' ', C.@' @ B A.' E- +
S -' A') 5' , &!' &!! , 0 8;K=<('==' ^!B-+A@++'
C@' ' JJ,@D' +-' , C.@C' @ @, a' ,,@D' B-++@C ' - 'D @C @'
E>C+B@A 'E@+ @@A' S' AD' + @A+G S'+-AA2' .- A.'+-' @ ' C-?'
JC ,,'+-' :>A@' -C' ? C@,,
' ! B- ++@C' ' 8:J'+?(' &!0' ^ D' ' , & D]'
&@EE,@ ' AD' AD'D@J- +@D' A', G@C 'EG' 'C @C
< ;' ' !- !' ,0')' ' ' ;< -' +B@ @' D@J- +' +B@'
@C? A'. @' +B@'A ?@' - 'B-++@C 8 B-++@C(2' ' +@C?' @' B ,,'
AD' +' -A @A @A+' A' +-' D-J+' B@' B-++@C' B @ @' D@A+,G'
E@@A' D@J- +@D' EG' +,G'C>AA A.' +@C 2 1 0' ON ' B@@+'
- ' B-++@C2' - @C' 'B>ADC)' @@+' A'+E UA@ U
+' ! U # ++@C@, ' 1 0' $ 0' , -' M' B-+C@ ' ^# '
-E >C@'-C . A' ' ' AD',&,. !(* ,. !' @+ a'
'G->A.' J U@' - '+B@' C +'G@ C
;PMM< 7 ')**& 'A' 2' '+B->.B' S@' ?->+B@ '
E@@'A-+' > @A+'+-'@ +@' A'B C,-+C@' B-++@C@,,2' 'J@AA @'
-C+B'- ' B@@ @2' AD'B ,@' ' -C@' J>C, A. ' ,'PO&' + # '
' ' ,' ' , '%' ' '45 ? += -C' B@' !B-+C@,,2' 'G@ C2'
& U@C@,2' O'G@ C'& U@2' L'G@ C' > @2'=G@ C2' C@'-A@2
! B- ++,@2' C A+' - ' B .
, - ++G'8: +(2' $(^' ' 1 'N'" V' $@ @?Y
E, A.' B-+' -C' J@,,@+' - ',@ D' B CD' AD' C->AD
;KQP' E >' 0' ' 2' ;KP' 7 @ +B@C@D' E C,@G' B ' '
D>,,' AD' - +@A' 'D C+G' JJ@ C A @2 I>+@' D + A +' C-?' +B@'
EC .B+' B-++G' B C +@C'- '.--D' ?J,@' ' ;KQM' 8 '
0' C $, 0 (8;KQK(O=K B@ @' ^C- -+ a' - -A' A C@ @'
A' X@2' >,+ ? +@,G' J@CB J ' ++ A A.' H @' E>,U' - 'J@ 2' AD'
@@, A.' E CD' AD' B-++G' E@+ @@A' $$' A.@C ' SKM-' $'
0(B '+0' 'EC U2 B-++G' A',@ 2' AD' B@ G
! B- + AD- ' - '-A,G' ' ^&C-E' !A- '
10 ' B@' JC@ @' @A @')-')' C +' @,@?@A+' '
D >,+' +-' D@+@C? A@' ' !-?@' B @' +B->.B+' +B +'
+B@' -CD' -C . A ,,G' ?@ A+' ' AD- ' -C' B--+A.'
C-?' ' E>+' +B@C@' 'A-'+C @' - '+B ' A' +B@' @S ?J,@ '
% ' 3 / > ' , & & ' ,D A.' D--C2' , & *&& 'J-C+Y
>,, ' AD- '+B +' A' E@' -J@A)' AD' B>+'
EG' +>CA A.' -A' + ' B A.@ 2' ,U@' ' D--C' -C' B>++@C2'
@?@A+' ' B>++@C' +B' ' @ ' J A@' - ' ., ' +'
+B@' +-J' 8% ' I>-+' ;QOO' S' 'C ' OK (
A' I>-+' ;KLM JJ'> @D' -C&) &'2 ' &2 00
4-+' B ' !! >' 0' ;QO' " @ DC@ @D' BG?' J' EG'
' B-+ GAD- @' B +' J' -A+B@'% CJ@A+@C' ' ;PSL'
B7. ' ' ' &C-,'X)' A@' B-+' GAD-' A B@+' '
,G+ ,,' -A' B C' ;P ' $ - ' ? !KP A' " X,' 0' 0'C0' ;=O'
,G @' -J@A@D' ' B-+' GAD- ' AD',-U@D' ,,' 'E->+' K S'
,5' 5'6 ' !2 05V (!B@'B +B'*>?J@D'-->+- +B@' B-+ AD- '
- '-,D' @C' B UB ?'' .C A.@' KLK:' B ' , 3
- &' '&-@+' 7 U 2' 8;KPN(' 'M= + 'EC ' B-+' AD- 2' B@C@'
+-' +B@'#'@'! B A@' ! A> 2 -E -2 AD' O-B@
!, # 6' 84)(' ^ ,,@.@D' E@+ A' ' + . ' -CDY
A.' +-' : BU@' 1 $' 3 ' 0' (' UA- A' -A,G'
C-?')%>AA A.B ?' AD' -+B@C' A., B' >+B-C+@ '
AD' JC-E E,G' 'E,>AD@C'D>@'+-' ? B@ C A.'- ' , L$H
' E@+ A' J@ @'- 'D@@C2' ') '$%!' 0
;KPN ')7 ' A' " - !($ ' &,(?' '0 4 4 '=MM #A'
+B@' !B->' -C' "E@+ A' !+ ' ;<SN<G; ' ' ' A' ' ,", !(
? ' ,'- X' A-+B@C' + ' J@ @' ' +B@' .C@ +' B->'
4) ' $%% - +' - '+B@' %E> ? E' ,,@G 'L' V

! B- > 2' D ,2' -C?'- '
KB-> 6 ,2' C A+' - ' 6B.
'! B- > .B ' 1 0 , -'9' B >.B2' 2' B- .E2'
KB-.B8@' ^&@CB' +B@' ?@' -CD' ' 10'
E>+' +B@' C@, + -A' E@+ @@A' +B@' + -' -C?' ' -E >C@ a'
' U AD' - ', J D-.2' D' +-' B @' E@@A' -C . A ,,G'
EC->.B+' C-?' @, AD
;P<<' (' ' ')%% 'ON B@G' C@' -C ,+? ' B@>,@'
+B@' A-C+B' @ '-C' , AD2' AD' +A@A @' G@CU@' ->@C' ' +C>AD,@'
+ ,@' + U@' -C' B >.B' -C + - ' ;MNP' $,10 ? ' 'N=
!J A @, 2' %>CC@ 2' EB- .B@ ' $' ;MLN : ' ' 87 +@C & ('
& '&%' $ 'O'XE2' -' 3>A.C@,' %>C -C' !B-.B' SMKK' ' '
-&) "' 0' ;KP O' A' , AD' / -.22' >C,@D' AD' C->.B' ,,'
- @C ' B@ @'%>C ' C@' ?> B' @+EG' +B' DG 2' B- '+C ?'-'
,,'+B@' B C- '+B@ C'B AD@C' J C+ '!- ?@' ,,'+B@?' !B->.E
! B- > . E2' C' B7 ' ' -E ' -C?' - ' ' 0
'! B- . B +@ C A . 2' 1!0' 10' 1 0' $ 03' ' ^#'
-E >C@' -C . A' J@CA2' A' @CC-C' -C' T6!&) ' '
8 @@' - !' - . B ' 1 0] 5, JJ A.' -C' . Y
+ + -A' - '+B@' A.
,'[==N C$!!$ (') 10' 0 MOK ' B->.B+>CGA.' &!, '
0 B>DD@C A.a2' ' ,> EGA.2' \' ' C G' "@' 6 ' +B@' J@ Y
- Ua' ? U@+B' +B@A
! B- > ,D' 8:>D(2' 10' '&', 32 0 A' >++@C A @' - '
+B@' -CD' &)! 0 , -2' B +') B->,D' E@g
;MN= 0 $-0 ' ' ;OL' 8F-'O(AD' +B@A' +B ' B->,D'
, U@' , J@AD' +BC + ' .B' B +' B>C+' EG' @ A.' ;KP=
0 =C &,0 - '7U '8O-BA(' ;P;' ' ,' C +Y
A. ' ?>+' E@' A' 'D@.C@@' @S-+@C 2 C ++@A' +-' 'B>? A' &)! '
-C' 2 &)! (A +@ D' - ' +-' +B@' + ' 0
! B- > , D2' J ' +' - ' . ' ' -E ' '
! B- > , D CG@2' -E ' -C?'- ' B)
! B- +, , D B@' 8:> DE (2' 10' AD' $0' '&', 32& $0'
' 10' 7 B +' B->,D' E@' E' $ B0' B +' B->,D' E@
;Q<N' ' 8) ' < E04 Z +' 'LP' 7 B +' G '&C -C2'
B@A' B@' D@ C E@ ' +B@' B->,D E@' - ' C+ + ' -AD> +'+-' @ B'
-+B@C"' ;KKQ' 8 ' 0 >. 'O;N " B->,D E@' B@,J? +@
! B- > ,D @2' -E ' -C?' - ' .' CD ,
! B- > , D @C' 8:>$,D C(2' 10' 5-C ? ' ' >,D>C2'
A,D-C2' >,D@C2' -G,D>C2' L' >,D@C2' 8 -,D@C(2'
, -,D>C2' L =' B>,DC@2' L P' B>,DC@2' L M'
,+-,D@C2' = P' B>,D>C2' DGC2' L K' B-,D@C2' = M'
8-(B+ ,D@C2' , >,D C2' B>,D@C@2' B-,DC@2' ='
8-(B-,D@C@2' 8 -,DC@(2' P' E>,D C@2' DGC@2'
8 (B ,D>C2' B>,D>C2' B>D@C2' 8M' B-D@C2' B- '
DGC2' B- ,D@C' ,0 B- D@C2' Q' ->,D ->C2' ,0
-,D@C2' B>,D@CC(2' K <' C' B->+B@C2' M ' B->,Y
D@C' C!) $!(' $0 ' >,DC>2' -2' 2 '=' & (D +'
G,D ? ? (2' L' B>,,DC@' 8#C? A(2 =' B>,DC@ ' D'
->,D@C@A2' -B>,DC@A2' -,DC@A2' L P' -B-,DC@A2'
B>,DC@A2' M' B->,DC@A ' Q' L' >,DC@ 2' L P'
B>,DC@ ' ' =' B>,DC ' 8-B>,DC 2' BG,D@C@X2'
,0 -B>,DCG (2' = P' B>,DC 2' B DD@C 2' B-, '
DC@ 2' =VM -B>,D@C 2' B-,DC@ 2' -B>,D@C8@(2
P M' B>,D C 2' P' 8 (B ,DC@ 2' -,DCG 2' M' @B->, '
D C ' ,0 B ,DC 0' , -' P ' A.' ;'3$0 ^# '
,)! & '? ' -CC@ J-AD ' 8@S ' A' D@ ,@A -A' AD'
.@AD@C2' JJ ' @ D@A @D' -A,G' -A@' J .@(' +-'
#5C ' .)! (&! ' 8 7 5C ' .&) (" AD@'
,-J@A' .&$! (5C ' .&!! +(3 ' ,) (
3 / A' , &) = ' ? ' 8 ? -D / > ' , &) ' @? ('
" ' ,)!!$ $(,)! $' @? ' 8 3 " 2' ? -D '
,)!! '% (A - +' ->AD' A' # ' +B@ 3 ! 2! '
.)! $ - 0' / ' C@' JC-E'@ C,G' D-J+ -A
C-?' ' ' +B@' # 'J ' ,)!)' ' A-? ,->'
-C' '? >, A@' E 2' +' B 'E@@A' >..@ +@D' +B +' +'
? G'C@JC@ @A+' 'D> ,' B@' # -C+B>?EC A' ,"! 3'
@@? '+-'C@JC@ @A+' +B@' 7 @C'T .)! B$' @?' B B'
' AD +@D' EG' +B@' # " ' -C?
) B@)' A+@'- '+B@' 7 @C' -CD' C@'D J>+@D' @@' "@GA@'
A' C ? ?') ' 10 ' ' !-?@' B-, C'8@'. '9,>.@2'
OC>.? A-(B-,D' +B +' .)! 0' ' ' D ? , +@D' -C?'-'
T .) 30' C@, +@D' EG' E, >+' +-' T .$ %!' >' # " ' ,$ '
B->,D@C a' g
; ' D' - '+B@' + -' -CC@ J-AD A.' J-C+ -A '8C .B+'
AD' ,@ +(- '+B@' B>? A' E-DG2' A ,>D A.' +B@' >JJ@C'
*- A+' - '+B@' C?' +B' + ' A+@.>?@A+' AD' +B@'
J-C+ -A' - '+B@' +C>AU' E@+ @@A' +B ' AD' +B@' E @' - '
+B@' A@ U' @ J '+B@' >C @D' >JJ@C' >C @' - '+B '
A' * 0 - +@A' A ,>D A.' +B@' J C+ - '+B@' E U' E@+ @@A'
+B@' + - ' A' I> DC>J@D 2' +B@' >JJ@C' J C+' - '+B@' -C@Y
, ?E' AD' +B@' D* @A+' J C+' - '+B@' E U
$" 2 % '$!<!& 0<ML' ,$*)!$(>,D>C' <Q4?! , .!0 & '0
;OQ' '+V-AA@'-A' @ + A' ?@D?G @,' D>C>' :C?' ? AA@' B@ -D
@' V' >,DC-' ? . A' A ' ;NNN' $50' , 0' O<K ' - '
C@' +- @ - @C @ ,,@' $ D A' + EK -E ' !-A@' *CC A'
>,D-C' B ?' C' ,0&&' '&>>% ,,' ?@AA2' EC@ +' \'
B>,,DC@2' \'E 2 \' D@' $AO> '< . B' '8$-,, (Q==<" ->'
-A.@' -,,@' E-C' ,>,C@C' B@>@D' E->@' E-C' -,DC@A' E@' ') P'
B ' ?) , ' LKM O-+' -,G ? ?G' B@' @ ' @ ,' ??D2
7 +B' E AG' .C@' +' \' B>,DCG' EC' D2' ;=OL' # ' ' V ' 'A0
S@ 2' @A> +B +' B D' ' ? A+ ,' +' ->@C E,C' B>,DA '
I>E +@ ' ;POL L= 5? " $O') 10 .' PQ' '+B->' B ,+@' EG@'
, ++@'-S@A @'+B +'+B@G'E@' - + E@, AD@' +B@' B>,D@C2' AD'
J-A' +B@' B AD@C ? - +' CGEE@' ;PQM' C>$O $ ' ' ' '
;M;' 1 -> B ,,' UA- ' B ?' ^ ' ? ,@' B C@a' 'G->' ? CU@' B '
B->,D@C' @,,' E@ -C@' B@' CG @2' -C' +B@G' C@' C@DD@C +B A' '
@? ,@' " C@' E@' $/O%' (' $%% & ' $! ' "& L2 :2 @>@A'
C-? B ,D@ C@J, D@' ! C,@+2' AD' ? D@' ' ?->+B' +' B ?'
->@C' B ' B->,D@C R R' . '$ $-0 S ' M' AD' B@' B D'
' + C.@+- 'EC @' E@+ @@A'E ' B->,D@C ' $>AA' '
'?&' ' ' ;M B +' EC ' E,>@' +C A) .' B + ' +'
G->C' B->.B ' AD' B>+E@C ' B A. A. ' ;QPL' $-1 0' ",!0
>>) , ' ! ' & (B@' J C+' C-?' +B@' +B@C ' +-' +B@' +-J' *- A+
.

- +B@ +B .B2 *,@D +B@ B->+D@A ;QQ= m-h O % 8;QQK(LQ !B->,D@C E U2 -EG AD ,+,, @ ?-C@ ->+ ;KL ?'&' PK ,@-J CD U A /C--J'D C-? B B->,D@C ;K=P O>/+V 0 .A A.2 B A. J A2 E->+ +B@ +-J - +B@ B->,D@C ;K)QX ', " -*& LO< O 8/-. (&)! +B@ +-J # +B@)#A,D@C E, D@2 +B@ J- A+ C-? B B +B@ B@ .B+ - D-. C?@# >C@D

E A B@ 8 C) AD (2 +B@ AJJ@+ J C+ - +B@ +C>AU2 D*- A A. B@ B@ D

& $ $' &)! (@@) I ')

SK - A0) 0 3 G OQQ " @C@' -D' E@ D AD B->,D@C 7 +B -,@ -C >JB-,D@C ;KLN =Q $ # C A F & > ",!0 '$ (<PK S B@ A+@C) @S+C@ ? +G -C J@ +-C ,BA -?JC@B@AD +B@ B->,D@C2 B) A- @-> @? C ,@ -?J- @D - ? AG E-A@ 2 > J@AD + +B@ >JJ@C J C+ +- +B@ C A >? -C J A@ K b $1 < 0 &, " OOO B@ B->,D@C +B@ E@ + J C+ ^- B Ba2 AD B->,D E@ BC + B@,J@D

B@ >JJ@C J C+ - +B@ A. -C DA. W- - E CD2 E@@+,@2 E>++@C ,G2 @+ D*- A A. +B@ J- A+ - C+ >, + -A - E CD2 * ,(+B@ CJ , *- A+

; QLP : = &!) - 1$) - =< B@ %B A D-@ A-+ N-?@ D- A -,- +- +B@ !B->,D@C - +B@ 7 A. ;QPL $-1 T ",!(!>JJ, ,$ $1) " B@ C@DD B E@@6@ +B + - J-+ -A +B@ B- C D@C ;K) 8 ?.(?) ,% = 0 8;KL=(;Q= B@ >JJ@C A. 8- +B@ E>++@C ,G(C@ T? CU@D +B + -B >+@ +C A.>, CJ + B@ -) BA -A -A +B@ B->,D@C ;K<< / 1 ' , L;M A -?@ !JB A . D @ +B@C@ +B@ >A> > , -AD + -A - B .B,G D@ @,-J@D B->,D@C -@S + A. +B J@C @ + C@A>,>? AD C@+ A Y >,>?

D ! " ## / 0 :# ADGH * B @ ,G A

L*) &' &)! &) 0

SM %- $2 *$) " +- E>C + B->,D@C2 +- J>+ B->,D@C ->+ - -GA+ ;) Q ' .. 8 .. 3 ! G->A., DG B- B >A -C+>A +@,G , +@A@D +- +B@ J@C > -A - +B@ -+B@C @S2 D +- B @ , J - +B@ B->,D@C SKKM <!& (2 && " -J>+ -A@' B->,D@C ->+ " A D-? ?@ A A. +- + U@ - @A @

/ &BC @ 2 & 1 - & (&2 1" .&)!

+- E@ B@ D DAD B->,D@C + ,,@C -C B-C+@C A + +>C@ 1 0 , ? ' 10 =Q (

$;LNN $!&. NK & A B >) -U E E@ B>,DC@A ?-C@ J A @ ?@ +@ J +) C U ? 5 (&C& & ' (L<= " @ 2 ,- @C +B@A ?G ,G+@,, -? EG +B@ B-CD@CG 6>C(

E &)! (>H%% 4 + &)! T0) = + AD + A. +B + B + D ?@ A+ C-A Y ,,G -C +B@ C@ @C @ - @C +B@ ,@ + 46L+ D

C@? CU ?@D AD C@ +,G + -?@ -A@

F@D $/O% (T))b C $! 8# " OG +B@ @ -?J,-+ 7-, @ ->,D A-+ B-- @ E>+ E@@ B>.@ . A@C2 B>ADC@D ? CU@ + ,@ + ->@C +B@ B->,D@C ;K;; 7 3! *$)E" C$) *$)E" ->@C +B@ B->,D C2 AD B@A @ , (&)))5" *$) *$ E 8 .A @ (@C @ E@..@C2 -C2 A CC A+ UA >@ ;ML; $2 " $ ' - (&! $) S e Q= B@G JC- @ A-+ EC@ D >A+- +B@-> +B@G +B->.B+2 E>+ " > U@ B B +B@G +B-) B+ A-+ +B@G . A@ - @C B->,D@C EG +B@?2 B@A ,, +B@ C) D C@ W+ ;MQP . 1 ' 3 &OO& " ;<=2 +B AU ->C >+B-C B @ +B@C ,- + ?-A@GEGB / ->C @2 -C.-+ +- @C +B@ B->,D-C 1+ ;K=< "@ J ' ' 0 ;NP B + B B ? G E@ ,,@D C+ ? - @C +B@ B->,D@C

- &*) $' &! $ &' "&) ' &)! H +- ? U@ G->A. J@C -A + D -C @)C @A @D A @,D@C,G -A@ ? , C,G & $ $' &! - "&) ' &)! 0 & $ $ $)*&' &' > &)! +- B @ .--D @A @

L 0 &'$'T 2 T B@G @C@ D + @ ,, A+ 2" B@ D2 0 G@ ->,D A-+ J>+ A >,D B@ D >J-A G->A. B->+B@C ;KLQ = 5@C@ V ' S S2 1-> JJ@ C +- B @ A -,D B@ D >J-A @CG G->A. B->,D@C ;KKL 3 $ 0 !0 55555" T 7 @ ,2 +B + -2" B@ D 1-> ' @ B@ D >J-A G->C B->,D@C 2 :-BA2 AD A- ? + U@

D &)! & &)! , + - -,D @C 2 - +- B->,D@C -A@ A-+B@C2 A ,- @ -A , + , -2 A C AU2 A ,- @ -C ? + -A B@A @ % 0 - J@C -A 2 +B >A +@D @ -C+2 +B ?>+> , - -J@C + -A AD >JJ-C+2

$;PKK ! # 1 ,$ $ A 8!-??@C(O<L !- E-+B +B@ B-C @ \ ?@A ?@+ B->,D@C +- B->,D@C SK P = ' &'! ,, (P $ AU@ $- - ?@A J, @D &->,DC-A +- &->,DC-A2 -C !B->,D@C +- !B->,D@C2 $51 B ' 8) B0 8;MLN(LO B@ ! -+ 2 ,- @D AD +A ? AA@C ,- U@D +B@? @,>@ +-.@+B@C2 B->,D@C +- B->,D@C 5 N &- ' 8 $ HH0 SSK 7 @ C@) +C-A.@ + B@A @ C@, E->C A. B->,D@C +- B->,D@C -C -?@ -? Y ?-A -E*@ + ;K<= 3 ! &' ' $ $! !$' LN; B + E AD - B@C-@ B- D @D B->,D@C +- B->,D@C

0 & -$' *0 8% ,CG (&)! %& 2$

8-C ! % + &)! 4%' + f -CD@C . @A -C C D@C +- E@AD B B-C @ - +B + B@ ?- @ -E, I>@,G +- +B@ C .B+ -C ,@ + -C ,+@C + -A - J- Y + -A -C D C@ + -A A ? C B A. , -2 +B@ J@C) S A @ - +B -CD@C

;Q<K ' 0 =)!($h+$! " 8;K;L(;LM B@ - @C2 . @ -CD2 &)! 8+B@ ->+ CD &2 % & 2$ -A B B +B@ ? A A@S+ +- B ? @, .C D> ,,G +>? B B-C @ - CC @ A +B@ A@ , A@ J@C @ +,G I>?'@ A B - A J@C) A ;KLL 1 0 KN 7 B@A B@ JC-J@C,G) E@A+ A T WB->,D@C A B B-,@ E-DG C-? B@ D +- +?, >C @D2 AD E@ 7 ,, ?- @ A + -, A@ J C ,,@, +- +B@ D@ - +B@ ? A@.@ 4K= 1 (SK O@AD A. @ -A B@ $ D@ E@ A. ;;) ,,@ $ .B+ !B->,D@C A B@ B-C @ B@ D +- E@ EC->.B+ A+- +B@ B--, +B +B@ 8 A CD(-C C .B+ C@ A ^@+ a 1 (;NQ 7 B@A +B@ B A.@ ^- D C@ + -Aa b +- E@ ? D@ +- +B@ & -+ E AD2 +B@ @ D@C - +B@ " @ D - +B@ %-,>?A ", . @ +B@ -CD $ .B+ 8-C @ +(B->,D@C

= $ + % &- &)!) 8- E,- (+B +B@ + EC->.B+ +- +B@ B->,D@C AD +B@A +,G @A+ -C CD 8- J>,, A. -C -+B@!) ?- %

?@A+ (+B +B@ C? U@J+ +C .B+2 A-+ C-? +B@ @,E- '

"$ / &&!$ S 2 -. @ ?@ B J +B + B + ->+ +C .B+ C-? +B@ B->,D@C ;KP< !! & > <) & ,. 8@D S@(;Q 7C .., A. AD + + A. G->C E-DG A +@ D - ,@++ A. G->C C? .D C-? +B@ B->,D@C KK ?& % $' 1.0 <$- P;M B@ +C-U@ B->,D E@ ? D@ C@@,G C-? +B@ B->,D@C2 AD A-+ A %C ?J@D ? AA@C C-? +B@ @,E-

. &)1 &)! 2 + @@ B PE

K +B@ J C+ - +B@ E-DG -A B B E>CD@A C@ CC @D , -2 +B@ @ + - ?> >, C +C@A.+B @?Y J,-G@D A CCG A.2 J> B A.2 @+

%<PN %0 <& *0 >U@ S P2 \ ? +) .@J -@+ ! B -A @++ W -A G,DC>? E)@ @ AD@ $;S88) & (4ONLL 7 + B-,D>C . B@ B ? -> ;MNN : 3 +C %,&> % ,$ S L=L B@ B@@ J@ CC @ +B@ C E@,J@ J-A +B@ C B->,D@C ;9_h) V 0 < & (+ KNN "@ 1-U@ B ? @,2 AD 7 +B B - A !B->,D@C DC +B@ 7 ..-A 7@ .B+ K<Q] ' ;; MP< B@A ,, +B@ C !B-> D?C J,G2 ,, C-? +B@ &- + +B@ EC X@A " A.@ ,G K= G ' 5 & (;K= 3 U@ EC- D +BG B->,D) +- C@ @ @ ?G @ .B+2 AD E) C ?@ +- +B@ ? C. A2

E2 $' %0 # +B A. I> J@C -A @D

K- $-0 + PK E--CD2 E--CD -C B ?@2 B@ +AD@ + A +B@ B->,D@C - G->C ,@ I$ &O 7P \ " $ (0 S AD +@ D ,G !) A + + -, D -C?)@ +B@ .C@ + B->,D@C - +B@ B> G A@ S 3 " C LL !- ??@C >J, +@D " @D -A +C@ ? A. B->,D@C - +B@ !@

F % 0 >D A . -A+@S+

,<W@ ' 0 <& 0 3 ++2 SS =" @E AD >>+@D, @ EGCD@AA B@A) \ @++ A G,DC>? E @>? ?-AA + 9 6 $0 S OQ AD + B ,E@ A +B + D 2 B ,E@ @G B E@C+B@A@ C- +B, B6,D) ;P)) 4S C 8 & OgD*2 !GC G@ B@>@ + U@A +- .C@ + E>CD@A J-A G->C @U@ B->,D@C ;P<L J '0 (;NN (>@A +B-> ,+ @@+ 7 C U@2 ,@+ + E@@ 5-C A +BG B->,D@C D- E> ,)@ ?G !@ +@ ;MQ= = . ' CT 0 %C- 6]OC A)2 ,@@J,@ A)V+ B ? 7 B@A -A B B->,D@C @ B ? A E> D@A ,@ OQQP . . A :@ @ &" ' &' - *0 8;K==(;LL B> +B C - ?G B->,D@C -C , ++,@ + ?@ X!=+ K + < 0 & $ " C $ - 0 5 0 ,, +B@ D@E+ C@ J>+ >J-A ?G B->,D@C 2 -A ->A+ ?GUA- A @+D+B 4KKN QN B , 0 ' &*0 (. 84FN=(<Q %B C,@ D@ C-> 2 +- C D B # A B->,D@C - +B@ JC@ >C@ - ?J@C ,E> A@

i &BC @ 8 ,, 1 !+0 & & & &)! 2 M @+ E->+ J> B A. &! ' $ &)! (& *)

E' &' > &)! +- B@,J +- , + -C CCG -?@Y +B A. & &)! $ $ ' (& &' &)!

$ ' M +- -JJ- @ +C-A.,G -C -C E,G $ &2

' . &)! H A J E,@ - E@ C A. C D >,@

;PP; +C %& > E &* $ 8;K<P(;N A -+B@C - A CC- A ^@D #(E@+ @A@a +B@ B-,D@C 2 +B + B@ A E@ C@ A- @ +@ --C + A+@ ;PQQ +C ?)! ' C ,$ 8=)<O(QOP B + +B@ D- +C A@ - .-D, A@ @ B->,D E@ JC@D +B-C->.B->+ +B@ B-,@ -C,D@2 ? > . # +B@ ? .B+ - +B@ B-,@ -C,D@2 @++ A. B->,D@C . A + +B@ ?@ ,, A A@)PKL #- M+($. ' &') 0 SC <= B + B@@ 2 E->,D@ A-+ -DA@ C@ +- J>+ AD@C E B->,D@C 8 +B@G GV+- E@ C@ J @) - +B@ E>C+B@A2 ,$ JO) \) 0 & ' e LLN 8;K;N(L=[,, > B B- @ @ B @ +B@ - @C@ .A+G2 B->,D -+- B->,D@C +B +B + +-A@ ;K=Q) -0 8;MQ=(E ONN + ? G E@ +B@G ,, ,@AD E->,D@A G@ 2 AD ! @ +2 +- , + > >J G@+ B .B@C2 $;KML 0 LNM B->.B ,, +B@ J- @C A @ C+B AD E@,, B->,D @+ +- ,, +B@ C B->,Y D@C AD +C@A.+B . A + +

M &*) 8- !$"(+ ' &)! & 2 ! 8, +@C ,,G*) - +- @S+C +@ +B@ @B ,@ C-? +B@ ? C@ B@A @% 0 +- @+ +- -CU .-C-> ,G ! - , - &*) (& - &)! & 8 -CU2 + U(@+ & > = 3 ..< &2 C&* " L< +B D B +B@C+- @@?@D +- .- >J B , (+B@C@ .C@ +@C > @ +- J>+ +B@ B-,@ +- B->,D@C +- + L O 2 7 $1! S, OSL G G->C !B->,D@C +- +B@ 7 B@@,2 AD &C U G->C #S@A XQ< = 2 . :>A@2 7 @?> + ,, J>+ ->C B->,D@C +- +B@ -CU ;KLQ X . . 0 0(+ , ;; 2) B@G A +@ D - J> B A. -A ,, B->,D@C + +B@ B@@,2 ,+ + AD D,@ +B@C@

& * ' &)! +- . @ C@@ J, G +- +B@ ?> ,@ - +B@ B->,D@C A ,@ U A. +C-U@ +- T ,@+ ->+

SKK ^ @@ 1 JV! O O S B & ' &%? $ Q O>+ +B@ E + ? A U>- A@C *-G 7 B@A E@ -J@A B B->,D@C AD DC @ ;

! B@ -C@ ,@. AD D* @A+ J C+ >+ C-? +B@ C - D@@C2 B@@J -C -+B@C A ? , *- A+ -A + A. - +B JC@J C@D -C +B@ + E,@

* & 0 =<Q : @ -C +@C -C B C)+@ J@ ,@ + B>, D 8- B C+, * B@ !LK 9 6 5& (SS S OQ AD +B-> B ,+ B @ +B@ B>+DC@ +B + +B# @>@CD + C- +B@ 7 @+B@C ;=OK < ,0 ($ " $!! 84<NP(Q; , - J GD ,-+ B-,D@S@ \ EC - ?-+-A 6 * D & 0 ;PKL =) ! 3 2& > ,,0 8%B@+E A !- (;_ A+- ? A@ +?V>.B+@ B->,D@C - + ..@ +- ?@ G?@ S *D ;K=; ' B . &&. 8@D P(K !B->,D@C - 3 >++-A +B #,+6@ AD % J@C SQL4 K!) C&!0 &' $ 0 , @ ,, B@,J ?G @, +- (!, @ - +B !B->,D@C - @ , S) K ? O $ ' 0 $ 2 B@ UA @ E-G >.B+ +@ , A. - ,D B->,D@C - ?>++-A ;<SL - ;L !) + SK M O -A -A+ A>@D C !B->,D@C @C@ J C A.,G -++@C@D + >,, JC @

B &! &)! @@ %- -(B.) 10 AD 0 &)! &% -) & ' (> @D

8 (JC- @CE ,,G & (2 &! & - (@+ &)! &% -) & ' & $,. & A- .--D + ,, ' M &)! &% -) & ' $2 &2 ' $' & M @ + A. AD> @ @ + A. &)! &% -) & ' %& $ * > $ M -?@+B A. - -C+B >E + +>+@ - -?J C + @,G , ++,@ ,>@ 1 0 k ' #" ' 8) 8;KMQ(QN B-> C+ B-, -?@

?) @,, -C ?G -?@,G -C B->,D@C - ?>++-A -C U@ B-C ;MKQ = 7 < 0 (0 &)! (#A@ !B->,D@C - 3 >++-A DC D- A A-+B@C2 8&C- () -$' $' ! ** ' 0 ;QNN 8 -) -(0 = !& - 0($ $ 7 U ;QN< , . KM + - !B->,D@C - 3 >++-A DC @ D- A -A@CA -+B@++ # + - J- @C >, C D' ' D@Y +C-G -A@ A-+B@C2 5 B . +C &! &D0 $ -) 8;KQK(OOK " - AD ->+ A ?G -+ -A +- ,@ @ !B->,D@C - 3 >++-A EC !B@@J " @ D ^-C . - * & $) &,$ 1&' W0

=1+ $ 10 +B ? , + @ A-+ -A &)! &% -) &' % M , C.@2 B@ G2 ,@ BG + B@A @ &)! 3&% -) &' % D* &)! &% -) &' $!M + 7 .>, C , ++ A@D +- ? + B@A @ &)! &% -) &' 0

$ O& = XL +C $1 !$ 4 K= B@ C JJ,@D O>? B D +C> U B ? > B B-CC D +B>?J +B B !B@>,D@C - 3>:++ ? 5 + ;QS<) & 8 ,-E@(O) 2 , ? D@ BC@@ -?@C'D .,G B A.2 , U@ B + @ C , ? A., AD2 !B->,D@C - 3 >++-A ! ,2 +- .- A+B 0--? + 0-++-? S!@S . 8 0 &) ' &' OOK 7 B + ,-C ,,C B->,D@C - ?>++#A C .2 +B@ , C.@C J-C+ E@ A. A +B@ E-DG - +B@ E- + ;<NK 5 B.. $ $ 4 [.C@ +C ,V-A@D2 B->,D@C - ?>++-A +@D @,,-

. B + J C+ - . C?@A+ B B E- @+ +B@ @ C@C B->,D@C2

4=QL = ,0 0 $ 0 ,& OP +@? >* I> C+@C - E, -C +B@ 9 A. .- A@ B6,D@C 4K<K Q , K=< !!0 !!" LN e O 6J-A +B@ !B->,D@C - D @ C .B+ !,@@ @ - +B@ >J) AB- + C?@A+ 4KPP) I $-*! 8@D O(;NL +B@C() B->,D@C AD E U

E2 4 B@ J-C+ -A - B D@ E@+ @@A +B@ E>++ AD +B@ B@@U , -2 @@ I>-+ ;KPK S ! 3 3 # / $ (&)! ((A ?@ A +B@ ,@ +-@C +C D@ + C+ AA@D -C >CC @D B D@ AD U J 2 W @,, -C A., B AD -C@ .A - , ;KKP " 5 (1.0 $' ' ' > ;PP J @ @ ,,@D) ? DD,@" -?@+ ?@ + U@A E@+ @@A +B@ E>++ AD +B@ B->,D@C

M JC-*@ + -A JC-+>E@C A @ C@ @?E, A. +B@ B> A B->,D@C A B)@2 J- + -A " >A + -A +B + J C+ - +B A. B@C@ + D@A #C @,, ->+ +- .C@ +@C E ,U C-? B + ? G E@ @ @D + B@ D -C A@ U

$/&/ &5&* 0 + 8 CE (;LQ ,, +B + +B@ B->,Y D@C A B@ D ^- A CC- a BG@E@ ? A A.@C B ,, @@,@ -C@ + -?@ +- +B@ J-GA+@ ;PKQ = ..<& 0 $! ;P<M([PQ G,@) ? D@ B->,D B >@ A- B->,Y D@C + ,,2 E>+ K) ; ,@ @C AD ,@ @C +- CD +B@ J-GA+ SMK- = O .0 5 ,0 S ;<Q B@ $- ,@C ?> + , -E@ - ,-A. E@+ @@A + !B->,D@C 2 +B +) + ? G -A @A @A+,G -AY + A - ? AG / ?@+@C - !+C A. B ,, E@ A@ @ CG ;Q<= ' $- - * B@ J > +B B->,Y D@C -A +B@ >JJ@C D@ ;KL< 5 < 6 B !($'0 L< ^&, +@a !B->,D@C - +B@ C>AA -A ;KPQ ' ,0 C& " 84KPK(,, Q< B@ A@ U 8- +B@ ?JB-C a A-+ G, ADC ,2 ->+ ,-J)>J# +B@ B->+D@C SK)O 3 w \ 3 ? !! $ LL< - ? U@ %B@ B X) J, G + +B@ B->,D@C - +B@ J- U@+ Q3 1 A ',",!(? (ON B@ , A+@, - +B@ C@@U D--C G JC-*@ +@- -A @ +B@C D@E@G- D +B@ DC@ A. 2 -A + +>+ A. B + C@ UA- A +B@ B->,D@C C UA@@

E >DD@A A CD >C +>C@ A +B@ ->+, A@ - -?@+B A.2 C-? B B + + J@C +- J- A+

XMSK 9 9 2 , 0 = $ ' S 8;MOL(OQ B@ C + +E B CJ@ U? , ++@D+++ +B@ UA-+ 2 +B B->,Y D@C A GA B D- A@ CD2 AD - J>+ A+- +B@ +- U S ,"& (2 - &) " S 8$-SE (ON O B@ @AD ^- J@Aa A B B +B@ , + 2) @D +B@ B@@U AD +B@ B->,D@C E +B@ B .B@ + >+) 4KL= / - ! -0 C $, 0 ,0 ^ A J,->.B A.a + ?J-C+ A+ +B + +B@ C D.@ E@ -C?@D +B >A -C? >C +>C@2 - +B + + B ,, A-+ B @ B +E +@ BA ,,G +@C ?@D B->,D@C2 -C B-,,- J C+ -A @ B D@ - +B@ C- A $ >J &$1 L C+ A. +B@ - + - @ E@ D !@ A, +B@G J @D +B@ B->,D@C - +B@ &@A AY >, - +B@ A

C@E +@ B B @C @ A E>+ ?@A+ JC-*@+) -A B B @C @ >JJ-C+

59)6$31 $ ' > $ 0 S" KL B@A +>CA 5--+ +B@C@+D +B !B->,D@C +- J>+ +B@ C>AU >J-A 4Q<< * ,0 C OQO B@ ? DD,@ J)@ >+ D- A AD @,, ,@ A@D ->+2 -+B + + E S A B@ - C? .C->AD -C B->,D@C -A @ B D@ #A +B@ @ B->,D@C -C E>+ ?@A+ -D 2 C@,?D . & (. , 0 5 (;QO - -C? +B@ +@A-A >+ +B@ B->,D@C A +B +B@ DC A. UA @ $ /> .*B B - *0 $ - $' > <) LN B- @ + ?E@C B B -?@ >J +# +C@A.+B@A +B@ C- Y ,- U C@ ,,@D !B->,D@C

D >< "T 1 B. K

;KQO *X ! 0 , 0 Q B@ O>, -CU ,, E@ @CG ?> B +CC +A@D AD +B@ A.,@ - +B@ B->,D@C ? D@ - ?> B +B@ ,@

@ B@ , + C @ E@,- +B@ ,@++@C2 @+ -A +B@ B AU - +GJ@

)5 " &5&' , (5 ,00 C ' ' O@!CD- @++@C2 E +B@ ->+@C A.,@ +B@ ! I> C@ !B->,D@C - +B@ ,) AU XKK B 8 :) C $, 0 C ' ' 8;KK=(;O %@C+ A ? ,, J + ,,@++@C 2B @ A U + +B@ E)- +B@ +@? A@ C +B@ B->,D@C

B@ JC-*@ + -A E@+ @@A +B@ E, D@ AD +B@ + A. 8- UA @2 B @,2 @+ (B B E>+ -A +B@ B AD,@

$ J = L , 0 5 ,0(C ' ' SS & = B-C+ @ @ - 9A @ EC-U@A - E->+ + - A B@ C-? +B@ B-,D@C XK - %2 # ! (8@D L(2 &)! (+B@ >JJ@C J C+ - +B@ ? D@ - ' ' -CD - ,,@D 4KK= 9 5 B ?.(2& ;O= B@ + A.2 +B@ +B A J U@ B B JC-*@ + C-? +B@ B->,D@C -C +E -@@A A. - +B@ -, D@

% 0 B - +B@ + - +-A@ D* @A+ +- +B@ U@GY +-A@ - A C B 1 0

QL= (%) & 8 Q==(<K - @ >C@ %-?J) C B2 + A@ @ CG EG @ .B+2 -C -?@ -+B@C 3 @ A 2 & U@@J D- A +B@ !B->,D@C 2 B B2 C A.2 ,@+ +B@ %C- A2 -C 9 @G2 : A

6ʿ ʿD71L(0(*)-4+ʿK- *4-ʿ=47L-ʿ7 ʿ*6-ʿ=<-ʿ7*
(ʿ6 44 (< -(0*6-ʿ*7L

[illegible]

B@C@ B@ A + @ @C@2 B->,D@C@D ->+ - +B@ B .B
J- + -A

- -T C>E B->,D@C '" +B2 ? S +B $ 0

L [=) ,$!*) ' " $ + B D B->,D@C@D
- @+G @A->.B +- C@AD@C ?@ , .B+,G @J+ , - +
A @C +G

O $' %(- A A ? +@ +B A.

K/O+ 1 (A0 S O; B@C-,, A.E ,,- @ B@ +@+B@
C ..@D B-C@2 +B@G +B@ @ C+B ->,D B->,D@C C-? B@C
@ + %F= ?$ T 6 $ C SS 2 U@+- -?@,-
OC--U@ OG +@ - 7 +@C +B + ->@CD,- D)b
+ ,, + B->,DC@+B D- A@ +B@ 3->AD SM W 1
< & 0 ; 8;MLP(OL B@ 7 +@C E@ A. +B@ ?- + J-AD@C->
AD .B+G2 B->,D@C ->+ +B@ C@ ;MLN 0 " . ' 9 'T
V ' 0 & ' - 2 0 =<= !B->,D@C A. ,, +B@ -C+B@CA@ B-C@
- +B@ % J A2 + C>AA@+B ,-A. 2 BG +B@ B .B +-+) .),
- %B A $%&& 7 $ 0 ?& S S e < ;QP B@ , ++@C
.C A@ @C@ B->,D@C@D - EG -+B@C +B + ,C)) G E@ @.@D
+B@ >J@CB@ @ 4Q<M 0 $ ' : OON 9@++B@C ->,D
B@ -A @ , B AD .A + -A + +B@ ,@ + B B-> @ B->,D@CV
A. 9 A. 7 ,,+ ?) + +>@ ;K;Q .)7 ? 0 E
8O-BA(;P 7 ,, - C- U2 B->,D@C A. E U +B@ E ,,-
XKMM .7 &! 0 $ 0 $ ' ; ;< 5C-? +B@ @I>) -C +-
+B@ J-,@ +B@ @ B->,D@C +B@ C @,,- ;K) !3 +"
$!& > & 1.0 2 7 B@A @ ? A . @ B WB J +--
, ++,@ E,@ +- C D@ EG2 B@ ? G E@ +BC- A C- + D@), + -C
B->,D@C B@C A B-C2 AD DC + -

+: # +C--J - J> B2 -C @2 DC @ B)

-JJ- A. -C @(+- ? A-@> C@ -C +>CA

;PK; 8) $ $! , *!0 O+ B E ++ ,@) DU
J- + -A - +C--J a - .C@ + -C @ +- B->,D@C AD E@ +@
D- A@ +B@ @A ? @ ;KKQ ') - O=) J + LNK O BC
C@AD@C A. + J- E,@ + - D G , +@C +- B->,D@C +B@ 5C@A B
- +B@ D C@ + C- D +- O@C, A

! $1 &E AD ' 0 - J> B +B +B@) ->,D@
+- >e@ +B@ B->,D@C 8 A +C>..,@ -C -A+@ +(
%-A +2 $ $ ' $ T , - & &)! 0

$;==N &) ' 0 0 ?$ 0 & *0 &C-, 8;KKM(QQ AD
?@A-@ JC GDD@ BGDD@C +EGU,G -C C A+@ > G 2 AD
B>,DC D +- . D@C $ $/% , &! - 0 + 8 CE (K
AD - B C>AA@C 2 - ? ? -A, @2 +B@G B->@ AD
+ AD -C?- + SMKK B 6) 0 ' ' 2
K B@G B->,D@C AD C- D2 AD G2 &C G . @ G2 2
B@C@ -C@ >J AD B->,D@C +2 ? A G !+ AD G2 D@ ,
SK K &1 &" 2 ,, +C ?J@D2 U U@D2 J GA.@D2
B->,D@C@D2 AD *- +,@D ;K<= C !" , *
!-?@ -CU A. + B ,@. 2 AD -?@ B->,D@C A. + B D ,- A
% > > !" $! ' 0 ' 0 QM ; + > @
-C ? -C+ ,, ? A +- B->,D@C . A + -D2 AD .B+
. A + B .,-C @ ;MNL : .. 0) . 8;MO;(=N<
-+ -A+@A+@D +B > B J- @ -A 2 E@@ E@. A +- B->,-)
-C ?-C@ C--?@

E - ? U@ -A@ G EG J> B A. +B +B@
B->,D@C ?-C@ >,,G & &)! ' 2 $" , -
%!0 7 +B C -> JC@J- + -A AD D , -
$ ' %0 AD% 0

$/ $ # .. $ &'T ' 0 & 0 LKL E2 " @(,)
, @ &C-JB@+ B->,DC@+B -C@ CD@ OM;P) ?!$,.
! " @@ ^! + Aa B->,D@C +- +B@ E CC@2 AD J-J A
-C.@D @ D@A @ ;QON * 0 N #A ?@ +B@G A@ @C
+ A G@2 O>+ + U@ +B@ C !A> AD B->,D@C EG SK--
" T O - 0 8;KLQ(! B@ D@ .A E-A,D@C
A. B ? @, A+- A-+ @ KLP 7 C) &) C $
OOQO! +B@ .C->AD ,@ @,2 +B@G ^E> ,-@ a B->,D@C@D
,-A. +B .C@ + J@@D ;K= 8 ! ") ! &) K
B@A @ B->,D@C'D +BC- +B@ C? ;KQ< (
&) ' 1 0 : : : L)L B@ A., B? A .-) -A +C ?J, A.
>J-A >+@C @A E , + @ 2 E>+ -?@B- E->,D@AA. B G
> @ >,,G +BC->.B +B@ +C->E,@ - +B@ 6A @C @ S!..
T $ $ ' " ' ' 0 4O ->J,@ - *>AU ?@ B->,D@C
A. +BC->.B C-? +B@ A-C+B

% -)C>E B->,D@C 2 + AD B->,D@C +-
B->,D@C 2 0 1 0

;M<; F ! &' 1$ 0 3$ / 7 B +2 B ,, +B@ J@-)@
UA- +B@ C .-D, U@ JC A @ " @ D@D C EE,@2 AD JC- A@D
B J@C -A2 !B->,D@C D +B ,+B

1 # B C@ - C-> B A B@C -C? 1 (
, ;=KM ? . 0 0 !1$ ' *E A B C@ A B@C -C?@)>,C
D@CGA. -C @@AGA.

HM$ $ $' 0 - J>+ 8 -,D @C (B->,D@C +-
B->,D@C > ,- @C AU , - $ ' % , - +B) *0
E ' : - + AD B->,D@C +- B->,D@C 1 0

$/O$ 1) ' & % & - O;L U@ G@ @@ +B@ C +BY
>, !@ C-? CC@ A .C@ + ?->A+ A@ E@ J'+ I + --A@
- +B-> AD E ++- @ B->,DC@D A CC@ $/ I . & 0
$ A =N B@ B B ^ ,@ a E@ A. B->,DC@D J ,- @
+-.@+B@C O%+J : .. 0 >) . 8;MO;(ONN 4 B@%EA
+ A B->,D@C A. ,- @ +-.@+B@C A +B@ C B C.@2 ->,D E@
, U@ C- U - GC-A $%+& MS 7 B B EG
+B@ +C-U@ - +B + - ? ? >AD A. AD2 !B-> D@J D @ +->.B
@ -C E,G +-.@+B@C $> $ 8 1 $1! (;LQ .> CD 2
?@ B A ,,G -C? 'D A C AU 2 !B->,D'C /.2 AD + AD +)
+C> U +- +-A@

2 $' 0 - >JJ-C+ +B2 E@ C >J -C AG -A
+B@ B->,D@C -C B->,D@C +- + U@ -C J, @ -A -A@'
B->,D@C +- E@ CC @D

SM S # *$)! 0 [& B->,D@C +- >JJ-C+ +B2 -C
E@ C@ -A +B@ B->,D@C ;M<K - $ 0 ' $ C 0
;KN B@G >+ B-,@ C@@ D- A2 AD B->,D@C'D + +B
+C@ + %, ?->C O &/ B. 0 ' C$, , + <L2
D@+@C? A@D +- B->,D@C ?G .>A2 AD ,U A) + C->A
+B@ , AD ;KP; 7 7 .. $ - 1! 1 "&' $!2 $"
8;KPO(;OO 7 @ B->,D@C@D ->C UA J U 2 AD + C+@D
-C +B@ X CD ;KMP $! ' 8 A !! $ &) '
4 ,,, ;P= O B@ J@-J,@ . +B@C@D >J C .?@A+ - +B@
C@ U -C >@,2 AD B->,D@C@D +B@ ? G ;)KL ! ? -
$ 0 0 SSS 2 " @ C A. A- >C+B@C ->AD2 +B@G B->,D@C@D
+B@ +--, AD @+ -C+B . A

E % 0 + - -C CD +- B@,J -C J> B -A +-
JC-J) * +- @ -AD =*1 !+0 , - +- + U@) -A
@, E>CD@A 8@SJ@A @2 @ J-A E , +G2 @+ (
4PKO ! , " ' > ;; 8 CE (=< B@@) @@U + +
>A @ A & ,, B- ,G@ C@? GA@D AD +B B) +
>A @ +B@GC@ C @C@ B->,D@C@D , G SWKM: '

0 !0 <K S A &! ' !B@ E@. A +- A , A@ +- B C
--@C B C@I>@ +2 +- +B@ @AD E + A@JE>@ B->,D E >@ E@@A@
+B@ E@++@C EG E ->A+@A A @ B->,D@C@D ;MS= . 7
0 ! & ! 0 , e;P;; P;; B@ G-A. @JB@ C@. CD@D
-A,G2 +B@ ?> B ?-A @ +B + B .C A- +B@C B D ?@D ->+
A A@2 +- B->,D@C J ,, A. E-> @ $% J & ' /
$ ' > 0 : ; S, PN; B@ .C@ +@ + - !?J -B + @C@
A J C+ D>@ +- @, > 2 B- @ -A + A+ JC + @ + +- DV
A @ AD B->,D@C ^-C . 5 ,&' W ! J -' .C AD@>C
AD C@A- A ;<NN - 0 < $O0 ;L - O O B@ ,- , &C-
.C@! @! C@ J>E, J C +@D @A->) +- B->,D@C +B@ @SJ@A @
- $ ' %0 # +B A. - JC-J >J % 0 # +B@

+@C ? - A C.>?@A+ - E U >J 1 0

- 6 L ?)!. ! 0 << A- +B->.B +B@ '? G
E@ A +B@ C.>?@A+ ?@ + C @, A. ,-A@ +B->+ AG
+BCA. - JC-- +- E U +2 G@+ +B@ " ? G A-+ E@ A +E@ A @C
B ,, E@ +B> B->,D@C'D >J $%>/ C!$ ' $ '(
;M `+ .--D , - +J B->,D@C -C ,-D >J +B@ C@@ -C +BC@@
--+ E->+2 AD -?@ ->C --+ B .B

K !0 - J, @ 8 @ J-A2 @+ (>J-A +B@
B-B,D@C P& 1 &!0 , - - -,D @C
- B @ B ?> U@+ B->,D@C@D

& &)! &' T -C $ % @+ 2 E - +@A > @D -C +- *- A
+B@ C AU 2 +- @A, + -,D @C
> " !;K W ^ ' 0 ! 0 L B@G C@ +B@A +- G
+- +B@ C + C AU@ !B->,D@C G->C J I>@ AD A C B B B
?> B +- G c " G->C J I>@ J-A G->C C .B+
B->,D@C AD ? C B2 SC = &)! ,, 0 O=
!B->,D@C G->C 3> I>@+2 AD C) G->C $@ + A +B@) B+
B AD S8) 9 66 E 0), *! ' 8;ML<(= B>
E@ A. C?@D2 +B 3> U@+ B->,D@C@D2 -?@ ->A+ +B@ C
5- +>C@ +-E@. C-? +B *!P, 0 1 0 P B> B A. B C.@D
-?@ ?@A ,, B->,D@C AD !- C-? +B@A @ ? U@ C@ DG2
S G S ! 0 1 0 " B B@ 3> >@++@@C E@ A. B->6
D@C@D %-?? AD +,A B->,D@C G->C 3> I>@+2 AD &-G @
[QQN < .) 0 !!0 ;PK B@ EC-U@A !-,D @C2 B->,D@C'D
B C-) B SK) .S. 0 3 S 2 B@G B @
B->,D@C@D2 -,D @C @) +B@ C B- @, AD J U OK=Q
' % ' " $ ' 0 8;KP= =- 2 7 + -C +B@ JCD - -?? AD-
+B@ - @C +- B->,D? OKL<* 5" - 5A X GS @L=3 AG
J--C .@A+,@? A AD B ? @, -E, .@D +- B->,D@C ?> U@+

E $ &)! $ - 8 J - * 0 W -CD -
-?? AD(+- B-,D -A@' C ,@ A A@ C,G @C+ ,
J-C+ -A2 +B@ E CC@, C@ + A. . J + +B@ B->,D@C AD
+B@ E>++ A +B@ B-,,- - +B@ B AD B@A @ $
&)! $ ' 0(+ +E@ J- + -A D C@ +@D EG +B -CD
- -?? AD

;K== A))!(- " D- !B->,D@C C? ;K=Q '
%$ ' " $ ' 0 8;KP=(LN !@C*@ A+ 2 ,, C@? A +@ DG +
&)! - 0 S&. 9 = .S.. 1 " < * 2
B@ EC. D@ ' B->,D@C C? JC@J C +-CG +- C@ @ A.2 +B>
+ ?@ B-A->C@D B) - B- +- A J@ + +B@?
- >+ >J +E@ C - 8 , ?E2 U D2 @+ 2(
% &)! T. ' % F B8; 10 ! (1 0 $
@S) ?.0 0 !1$ ' ,* E2 ^ @C?G!2 - EC@@UGA. #C
DC@). - DG @C @ E@@ + a ,) ?E@ B>,D@C D@2 9 DD@
!B>U) D@

E 8! @@ I>-+ ; K == B.) 7 1!0 10 (
6 3 *$0 **! 0 !+C A@D -C D ,- +@D + +B@
B->,D@C 1 0 ^ +@C 52 *$
1\39 .B) 3 . E& ' $' . * + , 8;PKN(O E2
7 B@A " -C @ W B->,D@C@D EG ?@ A@ - -?@ ->+ CD
> @2 -C B E U@. ,,@D +B +B@ DD,@)
- >CA B +B A.(+B B->,D@C +- >+
B->,D@C -C 1 A->,D@C -A +- + ' & 7 +B
B->,D@C , - +B &2 '( ) *0
=) ^ @@ B.) 7 1!0 10]0 $> I B.. &
& ') 10 SS LPP B@ @A-A , - B->,D@C'D NN
@ B D@2 $ $>J& (%) ! " & 8 Q==(4<K) +
5- , " -> @ +B@G B->,D@C) AD U@G@D +B@ &-C+ -
C B@ +B & @ @ - !+-A@ ;QQK ^7 " = ..D
') * ,(< 3 G OQQM : B->,D@) +B@) @ 2 ,@ Y
A. ? ,, +C A.>, C B->,D@C + @ B A.,@ - +B@ !I> C@
+>?J L O $!! ' 0),0 O) ; B@ JIU@W
C@ +B@A B->,D@C@D D- A , .B+,G + J@C @ ;KK= $ 5
B ? . 0 2& ;=O B@ ! -CD B->,D E@ + .B+,G
?->A+@D AD), B->,D@C@D >J E@ -C@ AD E ADC ;<N;
` ?!$ .T $ *(D ?) ! ,&%&! ' " B@ + @ ?> +
A- E@ ++@D EG B->,D@C A. +B@? + +B@ ? CU ? D@2

E !$ ' 0 8!@@ I>-+ (

XK) & *&) ' ," , !(4;OO B@ C-- +- E@
- @C@D +B +B@ E@ +D CU E,>@ , +@ +- E@ @,, B->,D@C@D
A B C@D, ?@ 8+B@ >Ja)@C J C+ - @ B C- E@DD@D A, ?@(
/ ' 0 # A A ? +@ +B A. -C?
B->,D@C2 JC-*@ + B->,D@C2 -C JC@ D ->+ A+-
1 B->,D@C , - +B E*0
M X 7 3 *$)! (6!% ' *$)! , (00
7 ,,),@ + B->,D@C? .2 E@ C A.2 -C + AD A. ->+ A -A@
J, @ ?-C@ +B@A A A-+B@C ;) Q = L 0 5 ,0
P O@ > @ +B@ %B J ^- +B@ !I> C@ - D " >D @@a DI
A-+ + AD !B->,D@C A. A +B@ G ' 8 0
%. 0 & 31. 0 8;KQ;(=M 5 C+B@C # @ ->,D @@ E,>@
E), C B->,D@C A. B .B E- @ +B@ A+@C?@D +@ -A@ 2 S)
!" 2 ;O - 22 B@ B ,, B->,D@C >J @CG +@@J,G -C
+BC@@ ->C+B + B@ .B+

$ - 0 46 &)!) 0+ - + @ ->+ +B@ " B->,Y
D@C " - 8E>A B@ - .C J@ (
! \ J B))1) 1$ ' & 0 =M; 5 A B@D B->,D@C A.
+B@ " ?E>C.B2 AD +B AA A. +B@ ! @@+ +@C AD !+ &@+@C
8A@ +B@C - +B@ + - , ++@C A+ B->,D@C A. ?> B(

! !$ ' 0 8!@@ I>-+ (

K AJ 2# 2 !$ ' &)! ' ?-A. !+ .@
- B?@A2 +- B->,D@C2 +- + U@ >J J @A.) -A - A
->A+2 +B->+ -A >,+ A. +B@ JC)*@+-C XK 8U &
!$ ' 0 8@D (&)! B@A @C A+ @?E@XX,@ E
? +@C' ?-A@G2 B@ ?D +- B->,D@C B @?J,-G@C

!E# ,,D@) E, D@ ^% 3 ,)! 1!$ "
/> , &) 1!$ 3 " # ,)! 1!$ 8?-D
)) (a B - +B@ + - , + +C A.>, C E-A@ C+ >Y
, +@D +B +B@ B>?@C> 2 AD *DA. - @C +B@ C E A
+B@ >JJ@C J C+ - +B@ E U A ,, ? ?? , +B@
J>,

$ OLNN $!&. OM== O ,V@ E>^,aDC@ E, D@ _@ B CJ@ @CD
,@+ ^B@a D@2 (V-C +B@ EC@ % >A+- B-C+@ , ;=QN (!
$!!$, KOL O +B AA@,, E GA@ AD B>,D C E, D
+ 2 BC-> B +B@ ?GD +2 +B@ .>D >@CD .@C+ B@ .
;PQO L 0 C " &) ' , ! ,& 0 : ONP !+@ A >CD@ +C U
+B@ D : - @+ >J->A B C BA,D@C E,C D +B +B@ U ,, -
A@ ?G,A@ M X # ! 6 ' 0 0 + QQ % .--D C2
- +,G2 .--D C @ C@ 8 C(?G B->,D@C E, D@ ->+ ;QPL
"8 $, C9 , , ,&' QQ B@C@ A-+B@C
U AD - D A + -A2 EG ,--U A. A +B@ B->,D@C E, D@ -
B@@J2 .- +2 \ A E--U ;K=N # ! & X-
3 B- ?@+' -,,- @C ->AD +B@ 9-C A + E@@A
C ++@A D- A + C + JC- ?>,. + -A ?> B - +2 +B@G G2
* B->,D@C E, D@ - ?>++-A OKQP 7 8 , A
' , " ,!0 ? 0 : KOM O B@ ! J>, 2 -C !B->,D@,O, D@2 ,@
+ +B@ >JJ@C AD E U J C+ # +B@ ,, - +B@ B@ +2C@ B A.
C- ? +B@ @ -AD +- +B@ @ @A+B C E

E2 $ ' %

SM-K 8 $ * ' ^O@@ a E >@ = A. .C- A.
+- +B@ C B->,D@C E, D@ OKOM T ! , 1 ' & - &!(:::
444 MMO2; JC-J- @ ,, A. +B@ @ J @ @ EGA ?@ 2 JJC-Y
JC +@D +- +B@ C? A +B@ B .B@C @C+@EC +@ A ? , +B>
; ,, +B@ B-,@ -C@ ,@. +B@ 1 $,.) ' -C C?2 AD +B@
+C- B A+@C ^E@ -?@ a +B@ ,$*) !$ -C B->,D@C E, D@

! $ T B.) " .)

,5" $?) " CB+ C? \ B-,D@C E-A " @ ? D@
@ +- .C-AD@ A-A2 , OLOP <!& 0 0 ?11 0 A 7C .B+
&,0 ;=M @! @ J >,@ ->A+E, ->A H !& B>,D@, E-A@
0 0 +B@ -,DC@ E-A2 B-,D@C E-Aa , $J % B C$ 0
C &!0 #_ E AA@ B >@ ^ a A, +-A B-,D@C &&$ 7 B B +B +
- A B--,G ,@ @ !B@@J@ , <=MN &2 ' ! " " 0 SS
OMN -DG -A E @ A-+ B@C@ J-A B B@D@ +- C@ + O-+ -A
B B>D) E-A@ P=K <Q N ' $ 0 U 8;KKK(=K A +B@
BD>,D@C +B@C@ E@ + - --A@ 2 +B@ !B->,D@C E-A@2 AD +B@
%) A@, E-A@ SM) $: , & - - 2(8OK;P(OQ B@
? A-C !@@C JC-.A- + + ? AG >+>C@ @A+ 2 C-? +B@
!B->,D@C E-A@ - !B@@J OKPK 7 .) $ $ $,$
OOP B@ D@ @C@ @D.@D +B +B@ BI>,D@) E-A@ - FS@A
+> U A +B@ .C->AD2 +B@ EC- D J C+ >J CD

8:+O C D/*D(2 ** !0 0 ^ !O-8*I+V $
10 AD 0 &I") V
%$ " C A.)->3 , >CA B@D +B B >,D@C
%B @ ,G 6 I> , G A. D -C D E JBC @ , -
" .)

S V 0 E 0 =<MK A-+B@C -,U +B@C@ E D@ O@A
G !B> DC@D A ,G B@2 AD , @D +@C B->AD2 , @
,AJ % X B C &E PPO " @ B-C+ B-,DC@D2 EC--D2
+E> U@ U> CC@ ;=) C ! 0 " % $ ' & SSS 8;K)(
' # + A->B+ -C +B + +B-> A@ C+ BI,DC@D GA- E2 AD
E-A@D ,> %$!!$ 0 &') 0 QNO U@ -S G-B.@
E ,DC@D D@ .--D2 $ @@ %$--U & $0 +; <P<O
^ @@) ! V ;M<Q ^ @@ ' 7 $0 OO Ea OQ=N ? ,& 0
0 0 8;<NP(JC LML ^$@ C> + ` ?> + E@ +C .B+2 @,,
"?ED AD B->,D@C@D SKM- B & 0 C$ ' 0 S
! - B .B@D AD B->,D@C@D, U@ +B@ E ,,-

/ " C A. B->,D@C -C JC-*@ + -A ? D@ +B2
B->,D@C -C +B B->,D@C

A%>$ .. 1 8@D L(2 &)! $ 8 +@C? A C B@CG(
+B@ E@ + ? D@ "@ 6 - A CC- 2 E@ A. ? D@ +B
B->,D@C OQ) . . J 5*& 0 KC B + E->,
D@C@D & C+ - ,, 3 + - @C B B +B@ !BC->D C@ J>+
OKNP $ 7 C $, 0 ,0 &, +@ S, 5. S
$@JC@ @A+ B->,D@C@D +>C DC A OK=Q = # 9 BR
- $%) <$ 0 $!0 84KPQ(<PO 7 B@A +B@ >JJ@C EC A B@
- +B@ E>A B ^- .C J@ a C@, C.@2 ? D) - + +C-A.
+B@ ? A +@?2 + D +- E@ B->,D@C@D OKMO & &
& ?+ A *0 - &' $ ' ' 0 XKM- O;= A < 11) !$00
+B@ B C, C@ B->,D@C@D2 AD +B@ J ,, C +J J, A OKMO
$ $!0 ' - $ 0 5. 10" ? 0 - P;M< % CDE- CD J ,,
E-S@ J, A AD B->,D@C@D SKK # ! 6& ' ONL
!B->,D@C@D : - A+ - >C E@+ @@A + - + ?E@C B@A -A@
+C@A)+B@A@D EG E@ ? . ,9 ,D@C) -C +B U@A@D ->+ +- C@ AY
-C @ + E>++ A. J- @C

0 C B &)! $, -C? - B@ D
A -J@A A. 8A-+ JC-J@C,G A C B(-?@ B +
C@ @?E, A. +B@ ->+, A@ - ? A W B->,D@C
J C+ - +B@ A@ U

OKPL) - C *& - 0 0 0 & CU@C(OL-!@ @+ ,
- +B@ ? ,,@C D--C) ^- O-,+-A % +,@a B @ +B@ " B->,Y
D@C@D C B@ " - +B@ % CA C -A -C? & 0 B A ?@B
E@@A JC-JJ@D EG +B@ D> B@ - -C+B>?E@C, AD -C +B
J@ >, C -C? + - ??-A,G ,,@D +B@ I> C@ B@ D@D
+C@ - , C B ;KMM C$ V <!& 0 0# 8 0

&, @D AD CC @D +2 -A -C - @C +B@ B->,D@C
J@ E0 8 @@ W"-+C 3V 0 Q(2 & $ ' &)!Q
+- + AD +B B->,D@C@D C?

OQMN $) &' 0 %%, &% - " ;QL O@ >C@ +-
? U@ G->C 3@A ? C B +B BE>, @C@D ? SKSX)!0
;L B@ # @C +- ? U@ B 3@A + AD B->,D@C@D
OK== A))!0 - " LN B@ C - A > CD C@ +- +>CA
->+ +B B->,D@C@D C? 2 -A @ / G
+ + 3$ 1 0 Yc QV #A@ B-
B-A,D@C 2

A/++"A+ B C& - S =< O-+ -B LN6C B @A@ -E
,- @ U W B>+D@ C 2 BD B- C)+,?+ A A-A +B C
C + A-C >C O-+ + - ? U +BC A.2 !@E+C2 +A L->C D>C
8) ++ ,D-C .(2 1!0 10 ^ B.R
)

B@ + -A - +B@ @CE A A + A @ - +B
O=LK A 7 ,, \ %, CU $ - 1 8;K) XS ! B>,D@CG
A. D@ ,@) +@ <P<N 1 C 0 * 0 ;; =Q !-?@ +B->.B+
+- C @ +B@? @, @ +- B .B D@.C@@ EG ,- @ B->,DC A.
-?@ EG , ++@C@@ ;K== " 1 ?.0 %$ - OL<
% C@ E@ A. + U@A +B + +B@ J- A+ - +B@ UA @ D-@ A-+ 2
.- E@+ @@A +B@ B->,D@C E, D@ AD +B@ C E B @CC-C
A , >.B+@C A. J . ,,@D B->,D@C A. ;KPM T
, , 5* !0H 0 4 2 ONK)@C@ ? G B @ E@@A -?@+B A.
- D ->C+@ G A +B@ - -A , B->,D@C A. AD E> +, A.
;K<Q ' ," , *& 2 L= 8/C A.(&)! !' - +B@
B-C @V J> B A. D@ G >J-A J-,@ -C J C+A@C

E ?->A+ - T B->,D@C" -C JC-** + -A
<MKL : 3@@U S@C 2 &C A+) .S , P= B@
+B> BB E@D2 B@ -A D@C B + !B-,D@C A. +B@ !B AU - +B@
&>A B ? U@ A- +B)E@ 5 @2 C->AD E->+ +B@ @++@C

; $,&' ,V ' 1 ' 5 ' '

' ' B->,D@C ' i , -' f ' 1 ; .

;LKK 7G 7' 'V ' ' LN AD'B ' ->C@'J C+ ' @C@A' '

,+)-' B>,DCGA. '^ >,.') - ,)!H' AD C'+B@' BGA.'

' @ ,2) B > ,D C G A . ' +B + 2 B-C+ J ,@C ' +-'

> +@GA@'+B@' BGA.' @ @,' *)!' ' &5&* T' '

8 CE(;=<' B@C -C@'+-'DC @'@ @,G' AD' A -C?@,G' A+ ,

G->' -?@'+-'+B@'C .'-C')->,DC A.'-'G@'B@ D'^)'+B@' B +a2

)'E@ +' XMM-' 7-$ / 0' " 0' ,T' ;NK' %>+' +B@' C '

+B' ' B->,DC A.' E>+' A-+' D@@J' ;QN)' : ' ' 5

, '0' 2 &)! ' ' A' 5) B + -A2 ' ' $@+C@A B?@A+

-JJ- @D'+-'+B@' A@? @ 2 -C' ' 7 -CU' +' >J' -C' '/@ @A @'

-A'-A@' D@' XK)' ' , '? 0'4 4 ')PKL ;' 7 B@A' +B@C@'

A-+' 'U@CE'+B@C@' B->,D'E@' 'T' B->,D@C A.' '- ' -D 2 +-'U@@J'

+B@'C- D' ? +@C ,' A'J, @

' $ 10 ' & - 10(' B->,D@C A.' ,@2

' , ' ' , ' ' , ' D ' B->,D@C '

A.' / ' ' ! ' ' ' ! $

$J /' ' 7 ' ") ') T' &- ' ,!0 O;N' , b b %-CE@ >S2

?-D ,,-A 2 J@@ @'-'+ ?E@C' A'E> ,D A.' ,,@D' EC ..@C 2 -C

B->,D@C A.'J@@ @' SMXX' 7 !' *$)! (0 'E>+C@ @2

B-C@'J- +2JC' B->,DC A.'J@@ @' A &%' ' U 166 .') 'Q

' ' :'KOP' 5C@A B'J -+' AD' B->,D@C A.' ,@' B B' C@'

? ,,2 +->+2 AD'B @' @ @D.@

?)@ ; ./?0$ $0 K $ ' , '

"'i' ' B +' B->,D@C

;PL' 8 ' &'0' ,&0' 'LLP' B C'C ' .C@+' ?>C'

?->C 7 +B' ' A@' B->+2 AD' ' A@' B->D@C AD'

^' $ ' B->D@C ADa' B- 2 B +'@>+C ,U'-A@'+B +'+G?@'L@D'

-+B@C'+BC- ' F$/O+' 1 ' 0'A('S 'OL' !JC A. B@)@D'

"GDC @ 2 AD' @ B->,DC A.' 7 B ,@ a' O>&> '

' &' 1 "'H5H0 ;M' B 'J ,, C D'@ C B 'J> B D' D@2 AD'

D- A'+B@' B->,DC A.'B ,,- ' E-CA' SK = 7 'Q 3 7' $! '

$ 0 ;;2 OLL' B@' >CC@A+' ' -,@A+,G' -?JC@ @D'E@+ @@A'

B->,D@C A.' JC-?-A+-C@ ' OK=M " ' ' ' ' '&%'

& $, 'A'S 2 B@' B->,D@C A.' C- D

5 $ B@'*- A+' -'+B@' B-A D@C'

+B@' C+ >, + -A'EG' B B'+B@' C?'-C' -C@,@.' ' -AY

A@ +@D' +B' +B@'+C AU

$>K%' 1 ' Þ 0 S S'PON 6 ,)@ ! - - A +B@' ->AD'C@'

J G'D' ' -'+B@'C .B+' B->,D@C*- A+' +B@' J@ C') J,G'D' ;KOP'

' 7 ' B ' A' ' ,"0? (' KLK 0 B@' !B->,D@C

:- A+' ' 'E ,, AD - U@+'*- A+2 +B@'E ,,'E@ A.' +B@' B@ D'- '

+B@'B>?@C> 2 +B@' - U@+'+B@' ..@A- D' - ' - '+B@' J>,

$

:$ ' ' ' !! ' /

1 ' 5 1 / 1 ' ' !2 '

' ' ' %_ ' ' $D ' $ /

2 ' !! ' ' 2 / 1'

/ 1 ' ' !2 3 2 3 D

' ' ! 1' ' !! ' 1 ' ' !2'

1 ' ' 'D ' '000$C'Q 'N $

OMQM' $' 0'<$00 -' ;NQP =' 7 @A+' G' C-?'B ' 3 +@C'

A' ' ,-+B' !>+@ E ' !B->,D@C UA-+' AD' " +E AD' -'

@, @ J@AAG'EC- D'$ E-A' .>C@D' A>++'- *B ' &' 0

&)*!' ' 'Q ! ' , 0 '! C2 8+-' 7 ,D C(' D? C@'+B@' ?-D@'

-'G->C' !B->,D@C UA-+' OQN=' $' 0'<$00 - ' L<<K =' '

, .B+ .C@G'%,-+B' @CG', A@D' +B' G@,,- 2 ' G@,,- ' !A->,'

D@C UA-+' A> $' 81 ' $1! 3 0 == O@++@C B@A' .C @'

+B@'E-AG'JB A+-? ' 7 +B'+B@'U A.' ' B->,D@C UA-+' AD'. G'

- U D@' ;?9;' $ ' <$00 $ &' 'W) H"'9 ;' BC@@ I> C+@C'

,@A.+B' ,@@ @ 2 +B' C EE-A' B->,D@C UA-+' SKM' $,' 0

$ 0 3 G' ;Q2 'B @' @@A A' - @C' +B'B ' B->,D@C'

UA-+' @ @D'-A'+-' ' -??-A'J, A' C- U - +

O '$ 1 0

OQQ'- ') &'>'?$"'? ' A'C ' $' 0 4 '

) L' !B->,D@C UA-+' C-> ' OKS< 1 ' A' $0 C '< ' 0

%&&!0' 4 ' LNN !B->,D@C UA-+' "@ +B - U' =?&'$ $' E' 3

1,!!) 0+' ' &'0' $ 'S ' B@'& CU' A@'

B->,D@C UA-+' C +- C G

(' $0

SKXK2N'%- 3 ' ')&'C$ &' '&-@+' . C @ '8@D'La ;=='

' B->,D@C UA-++@D'&>JJG ',@+'B ?' A' OKLO . ' ,0

0(, !! 'OK=N " ' =' !> B' ,@+' ' C@'+--'.@? @2 '

C@' B->,D@C UA-++@D 'A' ->,' ' @,,' 'A'E-DG

$

:$ $ ' D0' ' ' ' 3 '

=

A/ +' ')' $ 0 (&' 0($' $) '* ,(+B@'

B->,D@C'J@@ @'- ' A'B CA@ ' SMXS' 7 ! *$)! ," '

B- ,D@C'J@@ @'+B@'J@@ @'- ' C?->C2 -C' JJ C@,,' +B +'

@C>@' -C'+B@' B->,D@C' SKM-' B ' ' &)'

'PK B@' B->,D@C J@ @' ^-'+B@' $-? A' > C a' -C?@D'

- ' ->C'J, +@ 2 J ' - @C'+B@' B->,D@C ' U@' +C

$' %' SMK' < 8') $) -' 'e ' ;ON B@' 7@@ ,@'

B@ D@D' C? D ,,- '" '!B->,D@C J@ @' -A +@+B'- '@ ?C ,'

$ AU'-C'$- '-' > B',U@' I> C@'J@ @

0' ' J@ @' -C'@ B' -'+B@' J@ @' - ' ? +@C ,

- ? J- A.' +B@' B->,D@C' -' ' . C?@A+

SM X' . ' 5& 0'SS 'Q' +' B ,'B >@'+B@'+ -' B->,D@C'

J@ @' +B@C@-2 -GA@D' +' +B@'+ -' @D.@' +B@C@- ' OMLO

= 7 ' $ $!' &2 "' ' 2 7 +B' ' B?C@'EC@ D+B '

@CC->C2 +B@C'' ' B->,D@C'J @ @' >+'^-' 'A@ '>+'- ' ,-+B@ a'

SKMX ' !0 &- 0 &)' $ ' OSQ' +' ' ? D@' +B'

B->,D@C J@ @' >+ ->+' A' +B@' B J@' -' 'J@,@C A@' B@'

B->,D@C J@ @' @C@'+C ? ?@D' +B'EC- A'C EE-A

; $ C'+ , '^5 ' 1 ($ H

OM<0'9)' 0' 5&'0' 'OMO'0@ -C@'+B J, G' ' ' B-A,'

D@C J@ @'- '+B@' >+B-C' + AD A.'-A' 'J@D@ + >,

' ' B@'J@ @' -C? A.'+B@' B->,D@C'8-' '+--,2@+ ('

KSS' !%' '), & 'OK' B@' B@@U'd' B->,D@C J@ @'^-'

'J@Aa' O<N=' 9). ' - 0' C 0' 'S 2 OKP' OG'+B@'

@S+@A -A' -'+B@'J A +C->.B2 B B'E'E@A+'E U CD' +-Y

CD ' +B@' B->,D@C J@ @

3' ' J@ @'- '+B@' -C@ B- U'8- 'E -A('

SKKK' ' ,) "' SK' 5@E' W 0@ >+ >,'EC@ D2 AD' '

, C.@'+B U'J@ @'- 'B->,D@C J@ @' A' DD+ -A'+-'C@?' - @@

$

%$ + ' ' 1' ' ' 1 ' &'&

/ ' '

! ' ' ' ' $

SMKK' ' - &) "'?'<= S A' '7-? A'' - A' B@'

!B->,D@C'B@ D 2 -C !B->,D@C +C J ' C@'+ -'J@@ @'+B +'

- ?@'- @C'+B@' !E-,D@C ' OQOQ ' 0' 0'\' ' *$)Q

! 0 &)! ' $*('J C+ - ' 0-D @'-C !+ L)') SK-K

$ ">' ,&'0' 0' OL' 3@A ' !B C+ %>+' - '+@A' A B@'

AD' 'B , -C'+B@' S'J C'- ' B->,D@C +C J ' OKPL')'

I '- ' $ - *! '8@D'O(<P' U'+B@' B->,D@C +C J'>J-A'

+B@' B +

+-' ' D0' B' -'+B@' +C J ' -AA@ + A.' +B@'

C-A+ AD'E U' J C+' - 'E-DG' C ? ->C

L ' - ' ' - &) ' ' & 'SSS S2 5 . 'O' B@'

B 9 J +@' +B' + ' B->,D@C +C J ' .> CD@D' +B' +@@,' AO++'

' !' = B ' $ $!0' ,) !* 0' C$ ' 0' ' '? 0') 0 <;'

"@' @ C ' ' > C 2 - ' B B'+B@' B->,D@C +C J ' +@C ? A +@'

A'J A+B@C 'B@ D

O ' *) B' -'+B@' A CC- ' +C J ' +@A@D' >J-A' +B@'

B->,D@C ' - ' ' ? , + CG'+>A ' @ J' A' -CA ?@A+ ,

+C J' D + A.> B A.' +B@' -CJ' AD' .C D@' -+' A'

- @C

SK)' ' $' < '0') ' ' -'"' JJC- @D'& ++@CA '- '

+B@'!B->,D@C'!+C J 2 -C'+B@'!+ '!@C*@ A+'- , A +CG' B @'

E@@A' @ ,@D' SKMS'# ' 7 ' ' ' 2 ' !' $'';0 1->'

+B'+B@' +' ? D@' -C -CD E@,+' AD' B@ 2 7 B@C@' C@'

G->C' B->,D@C +C J 2 @@+' ,+,@'? A' ` N9H)!0'

%%, '&%' - "'=P' 5 C +' @' > CD ' .> ,,@++@' AD'

!E->,D@C)+C J' - '+ E+@D' .-,D' -CD2 +B' . ,+' @A.C @D'

+ . 2' -CA'-A' +B@'C .B+' B->,D@C' ' .-,D' + ' +' -CD' +C J'

? , C'+-'+B +'- '+B@' .> ,,@++@ -CA' -A'+B@' +' B->,D@C'

SK)'$ ' 7 ' 'V ' ' ' !!&2'=<' "@'C ++,@D' -A 2

,) .' ?G' ++@A+ -A' +-' 'BE' J+ A'' B->,D@C +C J 2 AD'

+B@'+C J,@'.-,D' C E@ I>@' -A'BE' ,@@ @

$ ' '! +C J' ' ' 3 ' ' ' '

! 2 ' ' ' ' ' ' ' '

' ' ' ! ' $

A >+' 9 ' = ' ' 2' - & "'ONL' 8%@A+ (' " @' +B@A'

?@AD '+B@' B->,D@C +C J' -'BE'J- D@C B-CA' AD'J-> B@ '

6 E <-0W=-' $ 0' ^!@@'"8 V' ' '+-'

XMXK' 9 ' 8 ' 2' , 0#'<$ ' 'S '8;MOL(O< AD'

C +'- '?@E A.2 3 B'E'+B@' >++ A.'- '+B@'E CU@' A ' '+C@@'

' B->,D@C E@' +B'+ -'. B@

/ ! $ ' ' '

/' ' ') ') '

/ -E ' -C?'- '

!B N;;;;2'-) ' ') ' !B->,+2' C'

!B->A+2'-E ' 0' , ' '+-' -D2 @ J@2

!B->J2' C' $' !, ->C8@2'-E ' ' M '

4E8::>L 4* ' !$' (' ' , -'< ' , ->'

J@,+ A2' B--J ,+@@2' @' ^/@C + @' - ' # '

> B93* ! (2' 3' E-G a' 8!@@' I>-+ (

A>AA' ' $' .)' , 0' . '$"' N !$' ' ' !-?@Y

+?@'+B@G' + B' +B'+B@ C' @+' AD' " --U ' C+-A 2 +B@G'

,'+B@?' &)*!E' ' AD' 3@C? D' ' A AA' 'C $ '

S '' B@' C+-A 2 ,,@D'EG'[@D AD@C' '+B +' , ?@2 !B->'

J@,+ A 2 @C@'C@JC@ @A+@D'EG'G->A.'?@A'.C-+@ I>@,G'B E+@D'

OKOO !' ' ' ' , 0' !!0'6 !0'POM A' [@+, AD2'+B@'

?@'D@ +G'^ @J+>A@a2'+B@' !B--J ,+@@2 >?@' +B@' -C?'-'

'E@ >+ >,' E@,+G2 A + A.' -?@'-A@'+-' ? "A' B ?2 B@A'

B@' 2?@D ,+@,G'C>A ' A+-'?@' @ ' AD'DC- A 'BE'C D@C

67E* 8: >+(2 1 ' A1 3 @S ' $!0 8 A@ ('

@@'6 ' 00' $!(' (&-C? '=' 8 (B-> @2' = P'

B- +@2'= P2<' B>+@V'=2<' E->+'Q' ->G+2' ->++@'

^3 ' ,P$) "') ' JC-E' ' 3 /> ' , E ' @@'

! "> 2 ' B ';! V' ' , + E-++-?@D'E- +

L ' & ' ' ('=QKP' O@C.@ 2 B->+@ 2 C G@C@' @,@2

B +' @C@' B C@D' +B' ' @@U' O=2'C '&%')!! $-'

A' " C+ B-?@' 0' $! '8;KO<(OON%-?'+B@C@'A +'D G,G'

->+' - ' >AD@C'# ' +' @,G ' >,' ? AG ' B- +@' ;=M='

% '&%'C $! 0' 'PM< 0'4 C-)'O-+@ 2 %-E,@ ' AD' !B>+@ '

A &A' ' & 0 && 'LMP' B@' GAA' AD' O- +-A' .>AY

E- +2 -C' B->+

&-1(bL<L' , 0' $'&' $ &"' A' , &!& $' 4 4

LN='^& D'+-'D @C'? CA@C 2 ,,@Da' B->+@?@A

7E* 8: A+(2 5-C? ' # -B->+@2 # '

E->+@2 -B- +@2 = Q' B- +8@2 , ->+2' M'

@B- +2' Q' , --+8@2' M' ' ^ B ' AD' +B@'

C@, +@D' ' ' C+ JJ@ C' A' +B@' ;=+B' ' B@'

E' -CC@ J-AD' -C? ,,G' +-' # . $(('

+ >A+' @@' , '3 ' '&C + -A' C-?' 'C--+'- '

' ' 'JC-E E,@ a

' ' ,->D2' @B@?@A+' CG'@SJC@ A.'*-G2 .C @' -C'

J A2 @) 2'+C >?JB2' CA A.2@A ->C .@?@A+2@+ '

' ,->D' CG'+-' ++C + ++@A+ -A' +' 'D + A @' '

+?A>,+>->'>JC- C'EG' ' , C.@'E-DG' - 'J@-J,@

VLQP' B '?), ' ' ;PK 7 +B' +B + ,' B ,,' ' B->+'

+Bb') @a' 'O=LN ' ' S 'OOL' B A' C--'+B@' B- +@'

AD' ?@'A-G @ -'+B@' EA@' ''A/AJ = ' ' , (0' 7U'

MM O 7 +B'+BE'+B@C@' ' ' .C@ +' A->+2 CG A.'UGA.'$ B CD@'

U) .' $G B CD' AJO& ' 0' 0' '3 .!JO'

.@A@C ,' JJ, > @2 AD' B@ C@ >,,' B- +2' C.>@'G->C' E'

D-?@2' AD'G->C' ,->@'+-'$ B CD' XMS-' ' &' ' 0

D ! ' 0 S ' O<P' !-' .C@ +' @ C@'+B' J@-J,@' B--+@2 G)'

+B@ C+B' +' + C+@ ' A%%>' = . 'C 0' 0' '/&A' ' B->+' +B @

+-C@' "@,E' %-A @' A> J>' 9 ' ' & * .) (' D(3.

S' WP' B@' A6C@ C?G'-'+B@' "@EC@ ' ? D@' ' B->+2 AD'

C> B)'>J-A'+B@?' A +0 = . '< !'? $'S' ' '8$+,D. ('

LPK' A' ? -,>A+ CG' B->+' - ' , >.B+@C' ;KQO ' 1

C!$" ( ) 0 8;K<=('O=L' 7@'B@ CD' ' A+' B->+

i E ' &) '$' ' &" 'FK UD!' &) '$' ' , "

f (, ')' # ' '

M--' ' 0' $!0 'S 'M<B2 'A@' ? A' +C ,,@'

++@,,2 -C' A@' ? ->@ E@,2 ->D@ 2 AD' +B'B->+' AD' CG'-

A@ .BE->C' -,,- 'B ?'^@+ a' OMN< 1 (+C'#' $ 0 &1 0 2

44' LOB' B@G' ,'C @'+B@' B->+2 AD' B-G@' J-A'B ?'

1 0(B@' -CD'- '+B@', AD'-C+B@'C@D +->C +B' B->+2 AD'

B-G@ b' ? G' -,,- 'B ?

' ' % '+-' AG' ,->D' ' %CG'

-C A.' + @, J-A'+B@' ++@A+ -A

A' I>-+' ;MMN" B->+" ? G'E@' '? J@G AJC - ' ' 10

AJ+J' B ' ! ' ' & ' ;KL' ,'+B@'E CD ' -A.' +B'

' B->+2 B +' AA-A@' -U ' ,'OPMN ' ' 'C& - '

8! ! (' '=P' C>?J@++E' AD' B +?E' ' ' B- +'&, G D'

-C+B@'C AU'E@. A' SMM-' J $!' $ "' JC' C@ +' +B@'

B->+'- ' .>A' C-?'+B@' +,@' AD' B J ' A ' O M'

), &&' 2 BG'+ - -,D' B->+' B@ C2 OKLP $'!' (M9 '

A'%'I 'OG,@' % '8;<NP(OPQ' B@' B->+'-'+B@'+C>?J@+

/ ' &!&' $! !$' 0' ' ,'+-' ' +@C' +-'C@J,@A B'

+B@' ., @'- ' ' -?J AG'B@A @2 '+>CA' A'J G A.' -C'

'C->AD'-'DC AU ' , -2 ' C@@'DC AU . @A'+-' ,'

JC@ @A+'EG'-A@'-'+B@' -?J AG' ' DC AU A.' J C+G

&' &'&'' ' &) ' +-'DC AU' ? ?-D@C +@,G' &' $' '

=$+' &) ' +-' + AD'+C@ +' ,' C->AD

;KML' " ' ! 3%-S) 2$ '?&) - '8;KM=(K;' 3 AG' 'T B->+"

+B@G'C@'+C@+@ -' OKKQ C' 1 6B .K $. ' ' ' ;LP' ^ @ '

[@ , ADa' B@C@' ' .C@ +'@ D@ ,'-' + AD A.'T B->+' A' +B@'

%-,-A @ ' OK<O : 1. 7' ?$ $, .3 &&-'?$!!$ (' 0'? 0'

&! (/ -A'+' .-'-A'+B@' B->+'

' &-1 ' B->+-CG2' ,->D2 J@C A.' B->+2

;LK' B ' ' '8 CE (OK !--?' ? GD@A' --?'

J AG $@ ,C A.' +B' B->+ CG --?'E- C@'

8: >+(2 0 5-C? ' =' -B->+@2' = M'

-B- +2' B->+@2' B- +@2'= K' B->+2'P'8 B>-+(2'

-B- +@2'M Q' B- +2' = ' B->+' = P' B-+@2'Q2'<'

= $!0+' B--+' ^!@@' B ' 9!:H

' ' 0 -' >++@C' ,->D' ,,2'+-' ? U@' ,->D'

->+ CG'@SJC@ @'-'*-G2'@S>,+ + -A2'@+ ' -C'+-'C @'

A' , C?2'+-' A +@'+-' + -A2'@+

OL ' 0' 0' !! 0'C 0' 'KQQ' >aV@,@' B +' B- +@D'

B CJ@' \',@DD@A' ,->D@ , VL'B +' @C@' 'A-+@' >,'A @'

B@CD@'B@?' CJ@' ,'OLKP B ' 0'<0 MLP' AD' A'

+B@' @' +'B JJ@D@'B@?'+-'?@+@] J' .-+B'+B@'8C-?J@)\' -C

+-' B->+@'\' B@+@' O=QN KP = . ' ' ' ;QL'

B@'E + , ' JJC- B@D' AD' B->@' AD' B- +@D'-A'E-+B@'

)D@ ');P<Q ' ' KQ B@' -CD'-

&@ @'E' C@AD@C'D' B@ CU@' B- '+B@G' B- +' (MA(.

"&1'SSS ' 7 B@A' +B@' ?-CA A.' + CC@ ' A.' +-.@+B@C2

AD' D,'+B@' -AA@'- ' -D' B->+@D' -C -G' SM -' 3 ..'+C'

' '&%' $ 0 ' OLM B@' &@-J,@ ,,' A->+@D2 AD'

B@D'B ?' '+B-> AD' 0,@ A. ' OQOM 8 6 ' <)!! ' A'

' KS2 ' ,,@D' AD' B->+@D' +B' +B@'>+?- + +C@A.+B -' ?G'

- @' OKOO ' ' !!$ ' <L;' !B->+' A' +B@'*>E ,@@' -

D@ +B" OKML' < ' ' & - &!$' ;;' 2 " @ B->+@D' A'

B@C'@ C

E' &' &) '$ (H& ' '8 'J@C -A(' +-' ; +B'

B->+ 2 *0 - 'D@C -A' -C' A.@C

,'O) =' # ' 0' (' B +'@>@CG' .B+' A'-A'B@?'

B->+' OMSQ = ' 0' ;'PQ B@' -??-A' J@-J,@2

+B@G'B D'A@ @C' @A@' ' +C A.@C'E@ -C@' B->+@D' +' ?@@' +@C'

?E C->' B-A' , +"L'% #G' ' -) , "'

A ' #A' B C'+-' CG2 -A' B C +-' B->+' ' ;KPN $10'

8$+,D. ('PQM B@G'C A' AD' -,,@ +@D'C->AD'B ?2 B--+ A.' AD

B->+ A.' + B ?

' -' -+@' EG' , ? + -A'%& ' 8 ' AD D +@'

-C& C, ?@A+(' 8%' B 7' 1!0' 1(' ' (' 1 0

OMQ< #' ' 8)' $ '8 KKS(' ;N=' $-D@'+-' 1-CU 2

->AD'+B@?' B->+ A.' -CUA .B+'-'+B@' !B C@

D ' ! D'- ' A ? , ' ? U A.' ,->D' C @ ' 0

'># ' & 0'C&) $!'PQN 3@'+BGAUG+E@2 'B@C@'?G'DC .-A'

B- ' OOPMK ?$'' '$ " ' ' 0 8" >A+@C' %,>E(MM;' B@'

? C+ >6' ? ' CC@ + ! B ,' @E- ++ +'+BC- '+B@' B E

@ ' # ' 'J, @' ' -'C@ ->AD' +B' B->+ ' # ' A'

A A ? +@'+B A.' ' -' ? U@' ,->D'>JC- C2 $ (

AJ$J B7. ' ' 3 ' 3' %>' >@CG' B ' ! B->+ '

. A@' -'+B C' , ?->C' AD' DGA' OKQO =)B66' -(

C$ - &' AA' OQP' B@')(44-+=' B->+ A.' +B' >??@C' !7+'

;KKN ' 8 .. ' E' ,0' &)' "'S';L<' B@' C@' B->+@D' AD'

C- C@D' +B A

&*5# H3 $' 0 = %!0+' +B' -?J,@?@A+

A 0' K = K & ' >' & ' ' ' ;=' "@' @D' BE'

,U'B +' AD' B->+@D'B ? @,'B- C @

0' E 0 0' !$' 0 # '+B A. ' -'E@'>A? + U E,G'

.A A+' ' , -' A'JBC @ &2' "&)0 ' &) ' '

f'^A- 'G->' C@' J@ U A.'+-'+B@'J>CJ- @

SK)' ' 8 . . ' , "'7#8' -C+B U' D' ? (,G2 '1@ 2

,) ' , ,-' +B'G->" ' T 7 @,,2 A- 'G->'C@' B->+ A.2" D'

& AA@G' ;K<O C$!' $!'<$0 OP' :>,G'L ;' 5 .>C@' B B2

+-'>@' A' ?@C AE?2 C,G'T B->+

B ' ' ,'*$ (

A J>' ' 0' ' ' 2 @ U@C2 -C A-+'E@A.' +'

+B@' $', (B ,,'E@' B->+@D' -C

/ ' $' 0 -'>++@C'8 -?@+B A.(' +B' ',->D' - @

OPNN ON F, 'C& - 'SS 'OSO O@'B@'+B@' -CC@A- B'B D

D-A@' B->+' A%%+> ' & 0 ;' 'O;K' B@C@'+BC@ '+B@C

J ' '+B@G' ->,D'E 'A.'+B@?' -A'+B@'B-?@ ' +B' 3--A@2

!B-+A.'+BC C' ?>, -A' ;QOK 8 '<C' ,$' ' OPN

"@' ,- D'+-'E@ C'+B@' >,. C' B->+'B ' ?@' OKQO = "

1' &! $ ' K AD> +C ->,G' B->+A.'+B@' CG'-' ' B>C B2

+B@'?-C@ @ @ +> ,,G'+-'C@D> @'+B@' +B'+-' ' .>@' >+ ,+G2

!= 7 +B' , > @' -C' I>-+@D -CD' ' -E*@ +

OJ>&' B ' &"!) '+ 'M;=' 7 +B' +B + ' . A' ,B@C@'

?@GA@' -C+-' B->+@'T' '.-' @ @2 +' J'E@'G +@' ' GD@'

T ' "& ' ' 0 ;NL' " >@' A-+'B@ CD'+B@ ?@' , AD@C'

B->+'->+' ' '!' &"0 OQM)QO' " ' ' &&!&%'A)$!0

8;KN<('<Q2 :'B@ CD' ' - @2 +' ?G' D@2 B->+'->+2 A'

-A @,- @D' @A+ 2 #2 ?G'D@ C@ +' ? ?? ' A > ' ' . '

% + ' &''&% $ ' ' 2T' ' AAG'?-CA A.2 3 C'%BC + A'2

B@,B->+@D

i' 2 ' -' A >,+ +B' ' , ?-C-> ' ->+ CG ' &'

&) ' $'8 @@' 'E(' E' -' @, -?@' +B' B->+ 2

, ?' 1 (

8 ! ' B ' ?) , ' S' LMM B ' B- ++'BG?' AD'

@-?GA.' ? >D' %4PMN ' 'C& - ' 8! ! (' " OKO

B ' +6' -C'E C. A' !G?' EGDDE2' AD' B- ++' 7 ,,'+-'

B ?@' OQNM ' 9 ' & $' 0 8;Q=L(QM 7 B ,@' ->C'

"- AA ' ,,' ,-A.'+B@'& .@'!B->+'+B@'$@D@@?@C' OQK=

8 1 ' $. ' ' MNK B@' + +@ ? A' - '+B@'D G -?@ '

!-?@' B->+'B ?2 AD' -?@'B A.'>J-A'BE' C

]$ $!(/ -' ,,2' >??-A'8 'J@C -A(2 !$ -'

J>E, B'+B@'E AA '- '? CC .@'- '8J@C -A (' b'

(\ 0' M' -' ,, ' '8 + A @(' +'D' &' &)

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

C . . %0 S B@C@) - - B A)) +B@
3 G-C D@ D@D A ->C- +B@B-A->C E,@ ! ?>@, ! ,>A)) G
" -C + - 5 XU A2 I > C@ D@ ? AD@D J-,6 SJ > -
;< / @ ;K P +@ B - +B@ ? @@+ A. +B@ B@ ? @ JJ@ C@D
+- E@ JJC- @D -A B- - B AD

/ B@ @S+@CA , J@ + 8- J@C -A -C +B A.(
- . (-C *& (A +B .@A2 @A @

$///9 $! $, &' L< / G>@C J@-J,@
? -A +C>-> AD - B>.,G B@ @ SWMM $ 0 ;;
2 : * E2 " ? +@C2 . -@ A .@ >GC@ +B + .@>@
-E@C B>@) $/0& 9 . . $ S, 8 C-) C+(<M ! G2
+ B@C + \ ? -D@ + B-@2 B + ? D@ G-> , U@ AD) ,->@
B@C SM- $ - 0 ; KP 0>+ A >@ +B + 7 +B A2
B B J @+B B- B@ @2 E>+ +B@ C JJ A. 2 AD +B@
!> +@ - -@ SMSS . $0 + < B@ B@ - +B@ C
->A+@A A @ D-@+B +A@ @ . A + +B@?2 $;QK 9 (
C ! * !E $ 8;Q<L(: O<M 6AD@C +B@ ? J,@ B- -
+ X@A2 B@ -A @ ,@D ,, +B@ I> , + @ - B@C- [Q<<
7 -$ / ! C& - ' - 0 C& > * 0 =P B@ ->+ CD
B- - UG AD @ C+B2 # E ,, AD ,,@G2 B@ B @ @D
$ &+ . . & > 8;K=;(;LM 3 @A -C B J +B@ B- !
- .C@ + ? @A +B@ ? - + D E@, @ @ +B + +B@C@ AG C@ , +G
- .C@ + ? @A +- -C B J

- ' &2 A JJ@ C A @ # +@A +B +B@
D@ +B + +B@ C@ , +G E@B AD D @C@A+ 8 9(Q(
A JJ@ C V @ -A,G2 - +@A E,G2 @@ ? A.,G , -
8C C@,G(2 &20

$ $/ %) ,$ $ e Q 7 B ,@ B@@ J@ U A.)
+B@C@ ? @ E-G A B@ , U@ 3 @C B A+ JC@A+ @ ;P)
' 0 C & !0 S, e ;N # +B@C) +B@G C@ E>+ A
B@ -JJ- +@ AD A-+ A +C>+B ;P<Q >$? / 1$! ;
AAA =K B@ ? ,, 5,- @C D@ ,> @ - / ,? + A B@
, U@ +- +B@ JC@ @D@A+ ;MS= < 7) , $ ' ;KQ 7 +B
B@ +B@ ? @ +B@ ,-+ D@ D@ ;M=Q , 0 &
' (8;QL<(4NK B@ J, @ - +B@ %B @ > + @ S
B@ E>+ -A@ # @2 B")) . & S LMP !B-)
E D ,@+ +B@ ->A , - + +@ >E + A B@ ;K;Q #
= . . ? 0 ' $: : : P; - B @ + - . - @CA A.
E-D @ +B@ -A@ C@ ,2 +B@ -+B@C -A,G A B- 2 -
& - 0 & ' $0 S , 8;KQM(2 P= B@ 9 A. EG +B@ D.@ o
+B@ -CD B A.@D B ? @, A ,, ->+ CD B- A+- 9 A.
-CD A. +- +B@ , - A., AD

i N & &2 +- ->+ CD @ -C JJ@ C
A @2 C JJ@ C A @ .-@ 1 0

;PPM & > E & * $ 8 CE (== B > + @
? -C@ E@ >+ >, A JJ@C >A @2 AD ? -C@ A-C+ BGA.@ +- +B@
B@ @) +B@A @ +B@C > +@ -C JC- + E,@ ;MN< . 8 / -> G(
$0 ;L ! B@ B , E@ +- +B@ B@ ^ >, . ' & ' & ' -]
+@C@E A+B2 AD A -U@

D & $ 4 1 $ H ,$ "+ $ 8-C + &2 &
+- @ C+B@ JJ@ C A @ - +- JJ@ C +- E@2 JJ@ C
+- J C+ U@ - +- , - - U , U@2 C@ @ ? E,@2 $, (-C 1 (

$/ $ 1 A & $ (8;PK=(* " @ . >@ +B@ ?
+B + B B B D +B@ A ? @ - A@2 AD B D +B@ B@ @ - +2
E>+ A-+ A D@@D@ A@ S KS , OL ! 0 0 < e L
7 B B % - >,@CW CCG@ B@ @ - . - -D +C>@ AD J@C ++@
->,@C - - D@D AD ? +B@C@D 0, U@ MSS . &!0
OL 7 B B +B A. B >@ A D@@D B@ - @D- ? @ ;MSL
$ 8;M;P(;O= @A - +B- @ +B + E@ C@ +B@
B@ - +B@ J>C@ + &C- @ -C ? -A. + > SM W
') !$ & ' 8 CE (P;N ! ? >, + -A AD / ? >, + -A2 - ?
? -A,G CCG +B +B@ ? ! B@ - 5@ C >,A@ @

M & &2 +- @ JJ@ C A @ 2) -C +B@
, - - U - +B@ +B A. 1 (

$ $>++) " - & ' W * . 0 MLQ B@ 9 ADC@D - +B@
! , A -C. @ +B@ / @@D 2 0>+ B-C+ S ,@ ? > + -C ! B-
JC@ @D@ 4Q P B 2 ' - 8;K<Q(, S L<K B@G
@C@ A-+ +- E@ >CJC @D2 +B@ / A@ @@ ? @D + C + +- + ,U
B+ E +B + +- E@ D-A@ -C B@ E>+ +B@G ->,D2 . C-
, ? @C B@A +B@G B->,D @A. .@

&!0 AD C !& (6 @D - :) @I ?)
,@A+ -C D@A+ JB@A- ? @A-A @ @ g

$/%+ # 8 . - ($ C $) ! & % >*2 , @ @+D) +@
- +B@ EC@ D2 8 B + +- G(+B@ B +@A@ -C C->AD@A@ 2 -C
-+B@C >+ B->+ CD ->C ? @ -C E@ @ - EC@ D@) B@ @@%B
+B B @G@) ;MQ0 B) 8 ' !!0 " 0 . Q A
+@A+ -A , ! J@ @ -C ! B@ 2 JC-J . +@D C- ? +B@ # E*@ + +-
->C ! @A @

7 +B I> , G A. -CD 8 A@2 +C U A.2 @+ (
JJ@ C A @ A JJ@ C A @ B B ? U@ +C-A.
? JC@ -A -A +B@ E@B-,D@C 6 > A JBC & -$.
= 1 $ " ! + $ 8 A@2 @+ (&20 , - +B->+
I> , + -A2 A@ -C +C U A. JJ@ C A @2 ? b
J- A. D J, G

, ;PPN KN . &1 ' & ' ,0 +A " X 0 C 0 C 0 OL< 0 + AD
" >@ A-+B@C G@@C2 ,, B >@ E@++@C B- @ : ,, A-+
. -@ +B , ++ B,G2 +C- @ ;P<L 7 & < ' (
LO E2 E->+ +B@ E@. AA A. - 3 G2 B@A ,, +B A.
,->C B@D AD G@@,D@D B- SMS- ' . .) $ - '
? 0 8;MLQ(OQQ 7 AD@ -C@ E@ C@+B . - - D,G B@ SMKM +C
$ ' $ 0 C $ OML AD ,, +- ? U@ B@ AD
D X,@ +B@ -C,D ;Q=L : = - 0 , L= B@G C +B@C
@ +@D +- @S@C @ +B- @ . + 2 B B ? U@ .C@ + B@
$ &+ ? $ 1 &5 : >,G2 B@ C A ? @ ? D@
? -> B- A +B@ E ,, KKS 9 \ ' < . 0
0 (P=K +@C > @E > +B@G 8 @ 7 @ +@CA I>-+ + -A a
? U@ A- B- A C@@U +B@-,- . G 4<NP $ 7 C$ * &
SS ONP B@ >CA +>C@2 ? D@ -CCG B- - - ? U) A
+B@ B>. @ C- - ?

E & $ & - &2 +- JC@ @A+ J@ ->
-C J, > E,@ JJ@ C A @ +- B @ @ . B+ +BV %C
- ? ? @AD + @, +- 2 -+B@C , -2 +- JJ@ C , U@,G2
JC- ? @ " 46& D- - ? @+B A. ((

;PMN F , +C ! $ ' C & - - (S> ; P ; + GC +2 B@
- @C@D E ? GAD@ C +@,G2 +B + B C+++@ ? G . B+ B @
- ? @ B@ @) $! D) $ - $ * , - * !& - $ $/>&
9 6 %0 ' 2 0 ;=L B@ J, @ - # == -
X@ B @, B >@ - ? @ B@ A +B@ ? d X - : . . (
?& ' T & - % 2 0 ; L= B@ @ C. > ? @A+ B >@ - ? @ . - - D
B- +- JC->@ +B + @C> +>D@ A +>C ,,2 m VC- + E,@2 AD
B-A@ +

2 8 - -A,G E 0 (AD) $!(+ A -JJ@C+>A +G
-C D J, G A. -C @S@C+ A. -A@ @, B C @

T # J@A A. &BC & 8 J@C -A($ &2 &
$ -C $ $ 8-C ' &+ &20 % -A +2 %& & 8D-
- ? @+B A. (

% -A+ A> +G - +B@ ? -D > @ +B +B + A > - ;LQ<+ B CD,G
J-+C E,@2 E>+ +B@ A-+ -A @@ ? +- E@ , - @,G ? , C
XWQ< O! .) *) 8 CE (=; D> + -A A B >@ A-
B@ @2 B@C@ +B@ @S @,,@A G@ - +>C@ D-+B E@ C@ G
41 0 MO 7 B@C@ ,->@ E@ C@+B G2 C @AD B J A B >@ A-
B@ @ VKK= 1& ' 8 / U - + (OO > . 2 " @ +- -D A-
@B- - @ >C A. +B@ A- ? A + -A -C +B@ ,@. , +>C@ XKKK
? & & ' 8 3 (" - !(S- / @ O L 3 > + @ ->AD A # OC @A
DGA +G +- -A A @ ->+ D@C +B + ? @A - %@,+ E, - -D B @
C B- A O- +-A + ;K<N $.) 8) &!(3
%& - 8;K<;(;KL B@ ' .@A+,@ ? A2 B@ E->AD +- . @
G-> ! B- 2) S < B .) &) 1! ' QN " @ +B->. B+
% ,#-, B) D E . B- -C +B@ ! GDA@G / @CEG

D $E JJ, @D +- +B@ D J, G ? D@ EG A
A ? , B@A + + E@ + @ 0 +B@ J,> ? .@ -
- U E CD + J C A. + ? @2 +B@ >DD@C - -

$ % (8 A ' , " , !(? 0 4 4 P= O B@
- U B CD2 B@A ->+ - B A>J+ , ++ C@2 -C2 +- > @ +B@ @A
? A' @SJC@ -A2 B@A B@ B A-+ B B- -A SKKM
$ E 3 , $ $!&) A 0 & - & 31.0 2 C AD B@ @C2
J,@AD D B-

! A .@A@C , X@D @A @ # +@A+ + - > D J, G

$>$J)) $! &) ' $ %% B@ % - > C+ >J -A
%S ++ A + -A ->AD B ? C>@ ! J A CD -+B A. E>+
! B- AD 0@ . . CG ;KSQ =) 7 8 - & ' 2 ! C
6 , U ,- @D B@ AD - ? J AG ;KP< $1 < 0 &, "
1 ++ U ^+B@ X +B@Ca A-+ , >, +@ -C , C. @ -A @C+
@ A. , B2 ? > + B @ A- @ AD B-

i E &2 > +@D -C D J, G A@2 J,@AD D
, . Q : K- + 3 & TcT S A ? $ > ! 0 * O B@ @
,->C - B@ @ C@ B@C@ " >@ +SMMK . &"0
$! " 8 D) (F B@G B@ D ? @) >C -> DD,@ * E C
A@) @@C @ -) C @ ? EC- D@C@D +B . - ,D AD ,)
" ? * = & - @X & - 0 $ ' , , 4M< 7 @ ,+B D > @D
) 9 @ ,, ? @A - ? -C+ E,@2 AD ,@ @ A- ? A J,@AD D
E*@ +)) , - C@ +B@C@ -C@ >A C@ I>@A+ A A., AD

N & &2 %& +B@ U@ - ? @C@ JJ@ C A @
$ D J, G2 -JJ- @D +- >+ , +G

+G@- +) A $ " > . ;M=; 8 " C,@ ? (2 +C@ J GC@
- #) A 2 B B -> ,D A-+ AD +B@G ? D@ > @ - A D A@
@C @22 E>+ -A,G -C B@ @ ;K=< X B .) A & .
C$ * " 0 ` ` ;<P : JJC@B@AD +B + -C A . B+ > @ +B@G
^+B@ J ,, - a @C@ , C. @2 AD @C@ C@J, @D EG ? ,, -A@
-C B- D>C A. +B@ D G SKKM B C $ $ 2 2 ;K=
3 G U+B@C+ A@ @C ->,D B @ J D +B@ - + - A @S+C
B-C @ -C B-

N ,, JJ@ C A @ -C D J, G 8) - ? @+B A. 2
I> , +G) + +G2 @A+ ? @A+2 @+ (+- B B +B@C@
+ ,@ + - ? @ D@. C@@ - C@ , +G +- -CC@ J-AD
%B @ G A A@. + @ -A+@S+ -C +B , ? + A.
-CD 4 & - " & - ! ! +(

? / $ I) ' 0 S 8SM-O(OM + B +B - ? @ B@ -
I>@ + -A L% & Y V > , & $ > ('
SS 2 =NK A -+B@C +B A. +B@ C > + - ? @ AD @C@ ? -A @
B @ - ? @ B@ - C@ -A XMMK) , & &C@
4E2 +B +B AG B@ - C@ -A ? G E@ D@ @AD@D
;K=; + . $ 1 < 0 & $ " $ - 0 S>2 7 B@C@>J-A2
+B + .@A+,@ ? A2 +B - ? @ , ++,@ B- - , C ? 2 +- ,D B@C
+B + @+@ a N B 0; %9 & 0 C $ & ' S O== 7 B@A B@
! A +B@ A#> @ 2 ; ? +C@ +@D +B - ? @ B- - ++@A+ -A

E A AD + -A2 . A -C +- U@A) - ? @+B A.
E) -C @ + . @ &%0 - -A,G A A@ . + @ -A+@S+

! W H & - ! " ' %& - 0 ; ; * 2 @+ ,@+ A-+ E@
@ A@C 2 +B + +B@ ++@C ? - + +- U@A \ B@ @ - C@
-E +@* ! M - - ' . B & " (" L<= " @C@ C@ ? AG
? ? ? + ? @ +B + E@ C@ B@ @ - ? @++ , 2 E>+ +B@) @A+ A-+
- ! @@ +B@ ? +DN= < F V +C , & $ > 0 '
+ 44 Q< B@ @ ? CU@ AD B@ @ - D@,>. @ M S
(< (? (4 S 8;MOL(K;N @S + -A ? AD
AD + + ? J) +>C@ - E-DG CC 3 JJ C A+ E@ @ A B
B @V +GCW ' , (. V ! 2 !! ; O + @,, A+-
b A# A- B +B A- ! B@ - + A @A+ C AD@>C
V ' 1 &(S 2 - B- -C . A - . C@@+ A. J @D
E@+ @@A +B@ C,

N T " AD) $!(A AD + -A - +B@ JC@
@A @ M ? @+ , A ? A A. . C->AD2 - - , A
@,,2 @+

^ 7 PEa KQN , # C & E $;== 8%@A+ (
B@ D@J+B +- B B @,, DC ,,@D C@. >, +@D2 - ? @
+ ? @W EG +B@ B- 2 + ,,@D2 - +B@ - , A +B@ @,,
KQK KQ J-) A < &!0) " & % $ ' $ $ LN= B@ E@ +
&2 - +B@ ? A@C , ^ J + +@a - >C -A +B@ C + J C+ - , - +
A A@+@@A

D A JJ@ C A @ -C T JC- ? @ " & % -C %&
- ? @+B A. +B + +- - ? @ 1 (@S $!0

K%& ' 0 <N B@ AD A - ? -C+@D > +B
+B@ B@ - C @ +B@C) QKK ' ' 0 0 0) & *
;LL ; B@ @) -A @@ ? C + , AD +B@ B@ -C J,@A+G A-+
:) + +- E@ C@, @D >J-A KKK (& - & 31.0 2 22
B@C@ A@ &2 -C JJ,@] 2 (JC- J@ + -C JJ@ C A @
- C-J

R$ A + ? CD , -C ,,> -CG JJ@ C A @ 4&% - ? @Y
+B A. (A JJ@ C A @ +B , ++,@ -C A- C@ , +G
E@B AD +

) D & - ! (A && ! . S0H0 % *E2 B@GE@E>+ E D- @

; N SA@C+ A@ -A@,G - . - - D ? +B@ @ U ? D@ - & ?
DD@+ 8QNN 8 * 3 - &) L ; P / D A +B- @
83 / B . @C ;) L [ ) < 0 C & , OOQ C>@
C-C + . @ - - @@ ? A. B@ ,+B AD B- C@ . - - D2
,+B->. B +B@C@ E@ A- >E + A @

+V , .@A@C , X@D @A @ ? J+G JJ@ C A @
+B->+ C@ , +G

: @ = . C . !& -) % * E2 B@G ++@C +B@ ? @ +@
+B@G B >@ A +B@ C ? ->+B@ 2 B ,@ +B@G C + B -C +B@
D - B B D@,>D@ +B@ ? +B B@ ;KPK 3 7
>$ S G ;L< T B ` B@ +B->. B+2 T + B@ UA@ B-
, , , , E@B @D : + , , B- AD B-,,- A@ +B ? @ '

2 2 A JJD C @ 4&% - ? @ F> , +G2 @@, A.

+ +G2 @+ (> ? @D +B ? -C@ -C ,@ A+@A+ -A
+- D@ @ @ @ . A@D -C ? ,@ D A. JJ@ C A @
? >, + -A -C JC@+@A @ , -2 B , B@ C+@D -C
A B- +@ ++@ ? J+ #C - @C 4 * % D- A. - ? @+B A. (
5 -C ? @C,G - +@ - *

, K/J%) . ' & (* 0 & - 0 * 2 B->. B +B@ C E@
A@ @C - . , -C -> A ->+@ CD@ B@ @ AD JJ@C A @ -
B-A@ +@ ,G GA. @ \ 0 d 0 & - 0 =QL -
,- +B C@ -A A @C+>-> B- SM> .) . 550
=Q 7 B B D@>->C@ D- @ B-> @ 2 AD -C B@ ^- J-
) DG@ a ? U@ ,-A. JC G@C K>J / 1 " 0 <MM : : :
> + + +B G->C B@ - D>+@-> X@ ,2 5C- ? ? @ +B@ J>CY
J- 'D -G .@ +- -A @ , KLQ !0% E &2
B@+B@C B@ J>CJ- @D EG B- - C@ + A @2 +- JC- -U@
+B@ ? +- U ,, B ? -A +B@ J-+) K=< = B . 0 ' 0
: OMQ ^ B@Ga @C@ B@ CD2 A-+ +B JJC-E + -A2 G@+
+B +B@ B- - I> @ @A @ ;KMQ - & - 0 & ' D(
8;KQM(: ==< " C@ > , , -U@D >AD@C B- -
@>D , ,-G ,+G KWP * & & ! $! " C & Q 3 G P L +
A +C> + @ +- +A@ 3 C : -BA " > . B@ C @2 AD +B .C@ +
B- - AD . A + -A2 . E@ + E ,@ D@C

E & -$. 4$+ & " +- > ? @ A JJ@ C A @
B B ? -C@ -C ,@ D@ @J+ @ +- ? U@ JC@Y
+@A @ -C @ A+2 JC@+@AD %-A +2 & % %& (H & +B
A 2 + , - +B - C) A D , > @ , -2
+- ? U@ B , B@ C+@D E@. AA A. -C ++@ ? J+ +
D- A. - ? @+B A. -A +2) +B A - + -A

> " - A ! +CGJ@ 8;QN<(A JJ A/
@CG 0 - - U@ ? D@) @ @ +- E@ @+ >C+B@ -CD A. @ +-
+B@ GA @C@ 7 -CD - -D < 6 L=N
! > B @C@ U@D AD + ,+ -> ,G ? GAD@D2 ->,D A-+
D@J C+ E>+ ? D@ C +@ @) 8B->. B +B@G ->,D D- - ? @
, ? + SK S 0 ? 9 < $! T L ? AG D@ C@ +- ? U@
) C @ B@ A +B@ ,@ B KLW $ 0 -) > 0
! 0 0 OMK 7 B- -@ @C B@ C@ @ ,@D2 +B@ F>@@A@ ? D@
) @ B@ > ? ,@C +- - DU ,, E@ -C@ ;M=N +C G
& - (& % & - (+ : ;<P ,@ J@C D @ ? >C@ A-+ -
? > B DEJU @D2 ! B@ ? U@ B@ -C M*> " #
+C C ' & > $ (S LN B@G ? D@ B@ +B->. B +B@G
->,D E@ . -A@ ;KPL 3 -+%$#5 C &,&*) (C 0 $
L B@ JB+B ,U@ ! ? D@ B@>) +- E@ ? > B ,C D SKQ=
.) 0 (S e <K B@G ? D@ .C@ + B- -
E@ A. ? >+> ,,G . , D +- @@ @ B -+B@C S ! SJ ! -CC 0
& ' & S B@ , - AD ,CG ? D@ B- - B C . Y
A. X) L 0 (&!! ' O= ! @J+2 A C $!! $!!
< $0(8;K<;(OL # + L * - , ++,@ ? @A2 B- D D A-+B A.2
? D@ B- - D- A. + ,,

? " &2 & %) ' $ &2 & %M ? D@C JC@+@A @
-C JC@+@S+ - 2 EG ,,@. A. JC@+@S+ -C >+B-C +G
K J/ B) , $) 1 AD EG ! B@ - 8C ;M;O
EG -,->C - , A+ I> + @2 +- A+C-D> @ ->@B @ SMKS 7
) &!0 < ' 0 ; ; < O 6AD@C B@ - C @AD
B J2 CC -) !$ & ' - $ - , (

4 ,& ' (! - " A@+B A. B- A -C JC@ @A+@D +- @
K J@C -A -C +B A. @SB E +@D -C . X@D + A
-E*@ + - D ? C + -A2 >C - +G2 ? - U@CG2 -C +B@
, U@ & -$. $ &2 & % +- @SB E + +- J>E,
@ +- @SJ- @ +- J>E, -A+@ ? J+

> %- $# O &! 3 , AD B +B J-G,@D C>,@ AD
J- @C2 AD B +B ? D@ B@ @ - +B@ ? -J@A,G S K- B
+C ! $ ' > & - - (50 LME2 B@ UGA. AD B + - @,
,- @ @C@ A@D EUB@C AD +B +B@C A+- &CGA @ 2 -C
B@ @ AD ? - U@CG XKD. $, 1(O= B@A
G@@,D +B@@ % - CD2 AD " >@ +- E@ +B@ B@ 2 AD . X@ - +B
+ ? @ SKSK . !& $, 8;MLM(;QN B@>+-E- B> 2
E@ A.) JC@B@AD@D A . ,@ A B- ,@ B@ B ? @, @
4QN4 T # <) 8;KN<(;N<2 : ->,DB @
-,D ? G B-C @ #* B>ADC@D . > A@ 2 B- SK o
? & &) >) B + ? CE,@ C B2 ->+ @S+-A Y
->C +@ B- XK K 0 $ (S 2 ^ @A @a &@CY
B A @ @ @A D@ C@C A B@C D G - -@2 B A B@A B@
E- +2 ? S @,2 AD) # 7 K=L) $ " > $ ' 31.0
0 $! " " B%O B@ - " $ 00 -A D@C@D -A@ -
+B@ JC A m? , &2 - > AA

E ! - ? @+B A. ? @ B A ,,G -A+C @D -C J>+
+- . @+B@C - A A*@ + -C @SB E + -A -C D J, G

PKQ = X $! (* 8;P<M(OLM # +B@C @+ J
B@ @ - D@ D / - . . @ B@ D@ 2 B B +- @ C@ AG ,D@
E@ + A - ? ? A. +- +B@ - ,D@ P<N 9 $ 0 8 CE (
O< A B B B@ #C CU@ +B@C@ +E C+@@A@ +B-> AD
@>@C ,, J@@ @ - -C@ -CU@

$ ' % J@C -A B- @ JJ@ C A @ , U@,G
+- ++C + ++-+ @ -C + -DD +G2 @+ . B+
A -E*@ + - -A+@ ? J+>-> J +G

! QNN 8 -) - 0 0 & - 0(& ' 0 OK B +
7 B@@X A. ! U,G ! B@ +B@ / H , ' OC-U@C ;Q=<# R
$ ' 0) SK DD ! + @SJ C@ / C ,@C
AD ! B-

! - ? @+B A. J>+ -C CD -C @SB E +@D
J@ ? @A -C ? J,@ A1 (

` " BO 6 .) +C & $ ' & ' $0 0 ' 0
44 4 QO E2 7 +B +B % ? @, B@ @A+ ? A- +B +%->A+C@G
-C B@ 2 EG B + U AD@ - J@-J,@ +B@ ? @ AB E +@D
4KL< ! B S 7 +C $ -) T - 0 ' *2 B
E - - U@ ! - , ++,@2 +B + + E>+ B@ 2 B B EC@@D B
-C A ? J,@C J @ @

; N ' (. B+2 J@ + ,@ 6 > ,,G +B I> , Y
G A. -CD

! 8 ! ' , 0 ? (0( ) $) , &!(S
! = , ? @A+ E,@ D@ +C> + -A C@ B@D - ? % -A + A+ A@
? CU@+ A+ o +B@ ? CU@+ - >C> 2 J + @ >,, B@ @ AD
DC@D >,, +- E@B-,D KL< B $ (E ' 0 + 8;QNO(O=
! - A@ +B@C C@ +B@G JC@ @A+@D +- > E C@ . B+) ! B@ 2
AD ! J@ + ,@ 2 < 8 ' $ (C !$, 8;MKO(
OQ A +B@ @ @ - : BA@2 8B@G +B@ & -C@ a C@ , U@ @
+, 6 ->. B , @CG ,@ . A+ ! B- QSL)) * , (
- =;O & M 7 @ A- B@ @ ? @@+ +B ? -C@ . , -C -> -C
J,@ A. ! B- A J C@ +B A B + JJ@ C A +B@ " @ @A
+ +B@ C A. AD @++ A. - +B@ ! >A XK-K 9) 8 0
! OQ B + -A@ >JC . B+ + . ! +>DD@D D+B JJ,@ 2
E@ >+ >, B- + 4<NK 8 3 ! - 8 . D ? 2 (' K
' , &! - OK B@ . - ,D@A ,G ! > ? . C- 2 E@ >+ >, B-
A +B@ JC A.

+- $!T J ?C@ -C JC A+ A E--U
NSKLQ = . $ / &'($!(; 8;KL<(S2 2
,--U A. +- X@- % +B@C@ E@ AG B- H%&& '0 JAA+ -C
J +>C@ (A @A 4<N4 5 . &!.3 *0 0 $', (
8 / ((2 ,- UM E--U , J,@A+G - B- A +
JB A+ ? , JJ@ C A @ A JJ C+ -A
SMSS " '10 =OK ,@J+2 ?@ +B->.B+ C@ +
,>J +@C J-A B .,@ E U D JJ@ C3 +- ?@2 +B -+B@C
JC .B+,G B@ @ # ? A@ - A@ 9 ADC@D ;M=) X
?& " (;;Q 7 B + ?@ A G->EG -A + B@C JJ@ C
A. +- +B@ A>AD AD A CD @A @ 2 @ +B@C A +B@ A .B+ EG
DC@ ? -C A +B@ D G EG -?@ +C A.@ B- 2 +B@G D D
+- +B@ &C-JB@+ !, 2 $%
G-> 2 ,, 5 CG !B-
/ D J, G -A ,)@ ,@ # -E*@ + -C
J>E, A J@ + -A @ J +@?J-C CG @SB E + -A A
J C+ >, C J, @ AD >AD@C J@ ,C@.>, + -A -
-E*@ + 8@ . ,- @C 2 ++,@) ?-+-C C (CC A.@D
- +- , + +@ A J@ + -A2 -?J C ?A -C J>CY
B @

KLQ 1-> + L;Q 5C-? +B@ + +- +B@ K+B - :>A@
+B@ ?@?E@C B ,, A-+ B- +E)C C ? 2 @S @J+ +- -A@
A-+B@C B@G B ,, E@. A +B@ C .@A@C , B- -A 8B@ K+B -
>A@ ;K=N " - !0 0 (d 0 J 2 B@ B- -
, @ +- U ^ + +B@ #S -CD 3 @@+ A.a2 A>?@C-> ;KK=
! L :>,G K X !B- - " -C @ + +B@ .C >,+>C , " ,,2
, A.+-A 1 (Q; L B@ C +- C +) - # +B@ $-G ,
" -C+ >,+>C , !- @+G ;<SL !!) (&) 0 2 LL 5@E
M- A JC@ -> G@ C +B@ @C- !B- B >++@C,G ,@D
+- ++C + +B@ .@A@C , J>E,
E D J, G &% -E*@ + > ,,G EC->.B+ -C
->AD +- .@+B@C
$%0/ 9)8) $ (($ (4;h#S+L< ,>,G2 AD
>.> +2 @SB E + + ,, D D@C@A+ !B@ - @.@+ E,@ ;KKP
! Q 5@E ;=Q L B@ B @ @ +>C@ - +B@ D G D @ A@
B- - -S@ + >?,@G
0 J@ + ,@ @, E-C +@,G JC@J C@D -C CC A.@D
A -CD@C +- @A+@C+ A A>?E@C - J@ + +?)
J .@ A+2 ? I>@2 JC- @ -A2 #C ? , C D6J, G -A
, C.@ ,@
+@A > @D2 @ J A 2 -C +B@ D J, G - +B@ +B@ +C@ AD
C > A A @A+ $-?@ * , $,)!$(!) +0 -+ JJ, @D +-
C@.>, C DC ? + J@C -C? A @ 8E>+ @@ ;P2 AD B
8D 5-C & $"& > &2 @@) = $!
;PM; ^ @@ B 8D ;PQP (8;KQ;(S --
E@@ JC@ @A+ + AG B@ -C J@ + , S) (((
;SK B@ 9 A. ->,D B >@ ?@@ JC@ @A+ +B@ &C A @ @
+B -?@ D@, .B+ >,` - +@A+ + -A2 -C B- 2 -C J .@ A+
4ML< ' .)," (<N ,, +B@ D@D +@D @ @,
E@,-A. A. +- +B@ !B@ @ AD ?@ ;QQN =
C!) $, "!!$ 8;KQ<(PSP ; @ ?-A+B +@C2 B@
JC@ @A+@D +B@ J@-J,@ +B B@ - ., D +-C ;Q<Q
8 0 (C $ > 7 U ,,, L<L + B@ 2 +?
J@ + ,@2 A-+ J, G2 +B + @SB E +@D 2U)< = B.
(' (+ : =Q= + >C@,G +B@ B@ .B+ - E >CD +G
+- B>+ ->+ +B@ J-J>, @ C-? B- - B B +B@ ? A
-E*@ + +- ? U@ A ?JC@ -A -A +B@ J-J>,)@ [<44
! ' . (((<$)! =L + +B@, + D G
- +B@ B-
+- A .@A@C , X@D @A @ & .@ A+CG
SJ $ $?.(< 7 +B->+ + .@ B- !B U@ J@ C@
->,D A-+ B@ - J-J>, C
! A ?-C@ +C ,> @ A @SB E + -A - +C A.@
-E*@ + 2 ,D E@ + 2 D A @C 2 C-E + 2 @+ 2 B@,D
> > ,,G A E--+B -C J-C+ E,@ E> ,D A.2 +B
? ,, B C.@ -C D? -A 8 A>?E@C - +B@ @
C@ - +@A @+ >J D@ EG D@ + C2 -C +B A +B@
@A ,- >C@ - , C.@ @SB E + -A %) 8 D
+@A +B D@ A A. -CD 1" 8! B11 " 8!
" 8
' &&!& A) $!(8;Q<L(;<K
-E, .@D +- J G +C@E,@ JC @ 2 -A ->A+ - +B@ >AJC@ @D@A+@D
A- @,+G- +B@ E@ , -A AD D-. A -A@ .@a S! ." - 0
"3 $" ?.(: X;QP +U A' 3 @A .@C @ -A@- +B@, C.) +
B- A +B@ C 1 (;;KP A-+B@C J@AAG B- B@
7 -AD@C >, %B ,DC@A -A +B@ .B+ $-J@2 AD / A A. " -C @
;KLP .0 ?&0 < '2 .) B@ +C @,, A.
?@A .@C @ 2 -C +- J@ U ?-C@ A+@,, . E,G2 +B@ 7 ,D E@ +
B- ;KPW B % S 8 - (LPL 7 @ -A ,AD@D +
+ U@ +->C +BC->.B +B@ J@AAG B- 2 +B@ A - B B
" A@D-A@ D@- +B@^C @ a ->C @ SK+) 3 9 455 UM
?.(8;KMP(-+@ E@ -C@ + +,@ J 2 + +B@ / --C - +B@)
D @ AD @A+,@?@A2+B@ !B- E->+ +- -??@A @ SKDM
! (&- 31.0 &2(A @SB E + -A - AG U AD[#
J@C -C? A @2 B@+B@C C > 2 ,D E@ + B- 2 S -CU2 -C
+B@ +C ,)
E B@ E--+B - " C ,D A. 8 6, + -A+@A+ (
;K=N ! (&* S S2 + B B@@, @A+ B-?
%-D, A2 E@ C A. +B@ B- > > , 1 (!B-C+
UA- U A. +B@ B C +@C A +B@ >) - +B@ -?E + . A +
+B@ D@ - +B@ B- ;KQ= 5$- + ! P) - '
B@ JC + @ - D J, G A. A C-A+ # +B@ B- , C.@
J +>C@ - +B@ -AD@C >, @ + 2 -C >C -> A +>C , -E*@ + 2
+- E@ @@A +B A
. JJ, @D ,&!!&D(-C B&,)!$!" +- AG U AD -
J>E, D J, G @ . B @SB E + -A - J +>C@ 2
DC ? + J@C -C? A @ A +B@ +C@2) -A E,@
@C@?-AG -C . +B@C A.2 J@@ B ? U A.2 @+
;KML . A - *! ?$ LQK + B) @A ?G - Y
+ -A +- @@ B-) 5 C + A .B+ - A@ J @ @ JC +@ @
- J +>C@ @SB E + -A C-G , ? CC .@ AD >A@C , 2
, G A. - C + +-A@ -J@A A. - C , G SKKM $

&& ! "
+-A T A. + - B- A -A@ D G I> +@ + C@ ?@ ->+
1 $' 46 0 > @ - @A @ ;=2 C.(? ++@C
-C C2 T -A @CA , -2 E-DG -+ -,,@ + -A
- J@C -A & 1& -C) ' 0 &2 +- WAA @
B@ ? A .@?@A+ -C -A+C-, & &2
2"(+- E, E +- E@+C G +B@ D@ @A @ 2 JC@+@A

+ -> A@ 2 @+ - A C A B B A>?E@C -
J@C -A C@ -A @CA@D
c & $!" < 5@E M S B@6 0 @AD@ ->C@D +-
-A+C-, +B@ >AD AD -J@C + -A - +B@ @ .>@] +- TE-
+B@ B- 2 ! C %B C,@ > ..@ +@D2 ? U A. > @ -
? , C ?@C A @SJC@ -A % & F) % WC & 0
) $! $; ;P%-?J C@D +B +B@ -CU A. AD ? B A@CG
+ T 0 G,@G $@ CD ^ ? A@a +B@ -CD 5 A. ,, -A @CA
JJ@ C@D @CG ? ,, B- % && F ! ' '
>6 '&) (C&) ' SSS2 D DA' + A+ +- . @ +B@ B- G
4<N4 5 .!" $! K 3 C L L : D- A-+ B +- E@
+C @D EG +B ->C+2 E@ > @ ; B @ A@ @C E D AG J +G C-?
" B-
? @ BA , > @
42 (A.> A- @C-> D B C.@ C-? +B@
. A JC -C +- , E->C , -2 +B@ C + JJ@ C A @
- ?@A +C> , ,- = " (&,(50H
;QPL :IK B .. ($ $ SZR(: ,,@D +-
G->A. DG2 B- E D !B@ - +B@ 3@A @ + + @, @
1@ C -,D 4KOL L< <&&) " (8@D L(=N B@
?> -> ,> D2 @ C@+@D A +B@ E@. AA A. - , E->C AD
B@A @ >,. C,G D@A-? A +@D B- 2 -C JJ@ C A @ ;K<L
? ((" ' !(LN !@J+ PP , DG .@D =L B D A@ @C @@A
AG . A , T B- -C 6CA++@A G@ C
0 C D) (8!@@I>-+ ;KK<(
M>&& ' . C D) M 0>+ -A +B@ -A+C CG G-> C@ +-
E G->A.) B AD2 AD C@ @) B+G S +- +G -C S+G2 A@ @C
C@. CD +B@ ,- A. + - -C +BC@@ &- A+ -C +B@ . A A. - -A@2
E) @ +B + &- A+ EC A. G-> +B A G->C !B@ ;)<
" # %% @AD B '(C D) 8@D M(;LL B@ &2 @,D@C
E AD 8 B@A ? ,, %) C@ ->A+@D A J, G(2 + @A+G
@ .B+ G->A.@C B AD ->C+@@A B + 2 +)>+ A
@ @A B A @ +B@ @,D@C B AD ,, -C@ + @A+G @ .B+ -C ?-C@2
2 AD AD +B + +B@ G->A.@C E AD ,, -C@ ->C+@@A -C ?-C@
' ' (, ?E@A+ E,>@ , ?@ JJ@ C A.
E- @ +B@ 8E A CG , ?@ - AD,@ -C , ?J B@A
,C@ D ?J JC@ @A+
,KP+ M &$ 3 $ - &) - 1( ) .(
\ SKG 6(" 2 %- ? ' ' = A)$ " ' ;;#(
, E 1(AD &-1(
/3 ! ?J,@ ++C E 8 bV - -C E@,-A. A. +- B-
-C @SB E + -A(2 _P &2 31 ' "3. * " 3! ' " 32& ! (
B5 $' (<$0(9 PPO< L !B@ U@@J@C! - 7 ,D 0@ +
4KMP %) K &&.> $ (S-- 3 > B +B@ ?@ -C+ -
+B A. @S +@D A +B@ !B- -C,D SKKK - S-# + P P
0 CA EG 8 E,--DB->ADa E@++@C UA- A -A +B@ B-
E@A B@ ;<N;) ' % $ 0 4 4 PMQ ; " @ GD>
E@@A A +B@) - , A@ @ @C A @ G-> ,@ + BD?@
/ $ 1(-C I> S) A @A @) B C Y
+@C X@D EG B- -C D J, G H T ++@D -C D J, G -C
+C U A. @ ,@ + 2 +B + ? D@ B- -C @SB E + -A
- H T B- @A -C J>+ -C CD B- @ -C @ @ + @
J@ ?@A # A ? , AD J, A+ 0C@D -C .C- A
-C D J, G -C -C J- A+
M/>J < ' 3 % 31.(8% ?D@A(=K B@ ? C @,Y
-> ,G . @A +- E@ J-J>, C -C BJ ? ++@C SKS=0 # "
- ?$ ($? 62 D@, +@) - J . SK--3 .
< !? $ J B@C@ B- C+ ,@ -C + - -C J>E,
@SB E + -A ;KS< : A ;MQ 5-C2 +B->+ +B@@2 +B
D G ? .B+ B @ E@@A B- ?-A +@C E->+ +B@ !+C@@+ -
&C .>@ SK M = B. A C@ @,G A 8;KKN(;=K
" @ ^!GDA@G !AD+Ba A-+ -A@ - +B- @ B- + ,U@C B-
C@ @C @ ,, +B@ C .--D +B A. C !J@ , - -A 4KL4
. 8 (&) & ' ;L; 3 G B-C!@ AD
E@ ?@ B@ +B-A +- +B@ -E@C A + @ ;K=< ? ' ! ">
,(/@ PKL B@ ! ') . X@D +B@ C + D?@ >J-A
+B ?@D B- +C@ A - + E@ %-A+ A@A+ +!D ' B7
&- ? &2 ' $ 5%(B I> DC A.,@ +B@ B- J C+ -
+B@ -,,@.@ &#+ 85 7 V 2 ' ;; 2 # @A
+B@ B- E-G A- B@A +-C ?@ SK) 87 " 9 V
$.) %& ! (m 8;K<Oa ;= B@G @ D@A+,G -AY
D@C@D@C@ +B@ JC) ?@C@,G A @,- >+ -A CG B- J @ @
SKKM *%$ - ' ;ML WN,-A. +B@ B- B@@J
J G +B@) A 7 G +B@G D- @CG @,, ;<N; % ((
+ =LL B + +@AD@A G+- D?), G2 - +@C@D EG +B@ A +G -
J C@A+ 2 B B +B@ B ,,? CU - E + B E@@A2 A +@
G@ C 2 D@ .A +@D +B@ E- E ,D
+- A @A @ ?@C@,G .J@ + @+D C 2T @S + A. -A,G
B JJ@ C A @ 2 JC@+@AD@D 2 >AC@ ,
$ (T %) ! & 8;Q==(MP% ' $ 0 " @ B D
!B@ >D @A @ E@ -C@ +B@) D ! .A-C OKS< ..
(&C 7 U SKKK OKP " -EB-A @2 > + @2 AD 5-CY
G+B2 ,, +@,, ,, D @ B@ UA- ,@D.@ E->+ + ;KPM 3
4 U $ " $ ' S2 :; ->,D E@ B-,,- 2 B- .--DA@
// !J@ , -?E2+ B- E ,,2 E ,, -C J, CD
AA->A A. B- 2 J>E, ,@2 @+ B-
E- CD2 .A E- C! B- E-++,@2 , C.@ .,
E-++,@ -A+ A A. -,->C@D, I> D2 +- ? U@) -
A DC>.. +' AD- - B- ->CE-G B- Y
CD2 CD -A+ A A. +C D@ ? A' D @C+ @?@A+
- .--D 2 @+ , -2 CD -A B B J ++@CA C@ @SY
B E +@D A B-J B- - C+2) -C? A. J C+
- +C @,, A. ?@A .@C @2 @+ B- - @2 .,
@ -C @SB E + A. D@, +@ -C ,> E,@ C+ ,@ A
B-J -C ?> @A? + B- -,-+B2 ,-+B B>A. >J A
-A+ - E--+B AD J A+@D +B B .B,G -,->C@D
C@JC@ @A+ + -A - +B@ B- +B A B- @?
^# - J, @2 B-> @`2 B- B-> @ 8 A A+@CY
JC@+ + -A - JBC + B) A 3 B 0(j B-
@,,- 2 +C-,, A. J, G@C B- -,U2 E- ?@A
AD -+B@C -AA@ +@D +B B- B- B ,,2
+B@ +C@ B- B-J2 4$+ -A+@?J+>-> +@C?
-C B- -C @SB E + -A 41+ B-J ? B B A
++C + @ D J, G ? D@2 @ J - B@ J .--D
B- +-A@2 CG + , > @D ? . ? CC-C
-C . X A. A !B- !>AD G2 4$+ +B@ !>AD G
E@ -C@ +B@ #S - D %-??@?-C +-A2 -A +B@ @ @A A.
-) B U AD -6A @C +G . C *,@ > @D +- E

B@,D A +B@ 0C- D 7 ,U - %BC + %B>C B 8(
?-A. C+ + 2 +B@ !>AD G E@ -C@ @AD A. AD G'
B- +-U@A2 .A2 J-C+@A+ B- +C D@2
+C D@ A B@ J AD) - G .--D B- AD-
E(0" B-J AD- A B B .--D C@ D J, G@D
B- -? A2 -? A B- -AD> + B-
8 8 D! -C B- @?J,-G@D +- D J, G
.--D 2 @+ i B- -C+BG D@ @C A. -
D J, G2 A@ -C J,@AD D A JJ@ C A @ B-
G) A @A ,- >C@ A B B , @ +- U2 ? B A@CG2
AD -+B@C , C.@ -E*@ + C@ @SB E +@D , - $ 10
!@@ , - 8" L! "7. ! " B ! 8 !
' 94- ! " =
XK-S B *& = C$ 0 A W OL B@ -,,- A.
B- E ,, ^ AA->A A. A @SB E + -A - -C), G(;KLQ
' 8 2 , 3 &! 0 8;KP;(S L=K B@ ??@A @
B- E ,, - AD@C A. C A SK-M *& ' $ (
4 4 =L A@ J A+@D -A d B@ E- CD , +@,G J>+ >J ?
0 CC U +C@@+ A +B@ +G - -C B SKM $ $!0 ' - $ (
5 10" ? (- POML !B- E- CD - ,, U AD ;K)
.($ 0 3 G =P= O ?JC- @?@A+ A B- CD 2
SKM $ $!(' - $ 0 5 0" ? 0 - POK< ! ?J,@
- -,->C@D , E@, 2 B- CD 2 \ ;KSQ .)7 ?& (
(SS 8;<NQ(;K; &-, +- 8, +@ &D - U (B-
C+ ;KQ< C ' 0 $ " '!0 SS ;O &>+ >J A AY
@SJ@A @ , ++,@ d B- @ ;QPK " 9 .1 . 0 & <0
& ' $) O= # + 2 : ? , ++,@ -C) +B + ?G JC@ @2 , U@
+B@ d B- ,-+B +- .B+2 @A+@C+ A@D G-> ?-C@ +B A +B@
E@ C +B + + A +@D G-> A +- @@ SK ' "3 $"
?.0 ;SQL2 : @S ? A@D +B@ JC-? A. B- ,-+B AD
A C J+ -A -A @ B B- 2 , , -- QNOP , C +
E + A@*VB > d!B @ @CCA@ -AA AA., B J+@ B@ ;QPK
% 0 (?$ LK A+ ? +@ +B . E-AD d!E@ @,,-
;K;< 5 = = + B@ .@ - A+@,,@ +2 -C2 ,@C ;
d!B- -,U AD -AD@C >, G -,U ;KPM $
?$ 1 &* S 8;KKL(;QQ 0 CA>?2 B- @E--U - -AY
@ -A > @A+ +- ? U@ -A@ D->E+ +B@ @C +G - ,,
B- -,U2 S B 1$! ;; P; B@ +B@>@ C
EC->.B+ A+- +B@ .C@ + +B@ +C@ -C d B@ B ,, . GA SKSK
C&!(0 4 4 4 ,, =L; " - +B@ @,,- d B-
B-J ->,D E@ C- D@D ;K=K : 7 . ! &' &,. S2
B@ J>E, C A D ,G ?-C@ AD ?-C@ +- +B@ B@ J B-
B-J K++ 7 & = $'& : ;N< !-?@ - +B@ B-
B-JW^- 3 -A+C@ ,a C ,+B- @ - -AD-A A +B@ C J, +@ .,
AD- +$%+ !$ (* (; 8;MP<(: B D @+
+B@ d B@ +-A@ +B +B@ ?G +@CG A + -A +B@ E,@ 4M<L
= $ &' ,0 99 " - - +@A B @ +B@G E@@A
UA- A +- B@ A , -C A !E@ +-A@ J@C -A
E @A+ ;KP= T%) 2 $' < ' ;; S, A +B@
@ @A A. +B@G ++@AD@D +B@ > +-? CG Td!B- !>AD G
JC-?@A D@ A %BC + %B>C B 0C- D 7 ,U 2 SKKM % I
' (&3 $" S 8@D L(;OK !B- !>AD G +B@
D G -A B B C+E+ B- @SE E>2 -C B-J@ +- @SB E +2 + +B@
$-GD, D@?G AD @, @ B@) C@ @ @ +B@ C C @AD AD
C @AD " C @AD + +B@ C +>D - $/J/ 3) . 0 .(
cS$ M B @ ? D@ +B@ d B@ +-U@A A+- +B@ B-> @ -
C @, 4%<Q : & " $! 5, 0 &C@ Q 0@ A.@ > B@
B@ +FS@A +- J +C-A - E@A@ @ ;K=K : 7 . ! &'
&,. c/ #>C G->A. @?J,-G@C A+@AD@D +- @A, C.@ E
@ + E, B?@A+2 -C +B@ J>CJ- @ - -??@ADA. E> A@ A
+B@ Td B- /C D@' ` < $' - S, ,2
A ?@,@ @,,- A +B@ +BC-A. DC-JJ@D + -EC U +BC->.B
+B@ ., - +B@ d B- AD- J 3 9 A - (
<$0(59 # + = O /C JJ A+@,,@ +> , +- U A +C D@
->,D B @ .-A@ C +- J,, >J + "@ ?@A+ , B- AD- -
B , D-X@A) S >, C " C@J>+ + -A ;KLP (9 $" '
055($ &% $'" (XK --U + ?G DG 5C A @ 2
d B) -? A], U@ 3 D ?% +B C A 2 +B + B -CU
>AD@C B@C B--J " (" $" ? .0 : ;S<= + ^+B@
B@ Da ,--U@D > @6 ,G +@CC 2 B@A +B@, DG B- -? A
J>+ +B@ AD,@ A + +B@ A@ U OK<K $!" Q 3 G K =
B@ E@ >+ >, . C, B- C@ @ >C@D B- -?@A EG +B@
7 @ + @AD B-J ;P=L A $ - (*&* (OKL E - $ 0"
7 B + +C >?JA@ B-A->C E,@ AD d B@ @ --C+B @ S)

@+ J C+ B- G C -C +B@ @SB E + -A - JC X@ ++,@
VKQQ " - !0 0 (&, 0 PLL " B AD -?@ B@ +A>+ -,+
@@? +- B @ D@ , - !B- G CD ?@++,@ A B ?
* K [10 ,(1)% $!0 : @ @ R66@
@ A 2 0 ' ($!T (+(5A1 6
# $;< / < # $ 10
;QMW)) -) T =P< 7 B@A +B@ , S ` >@A+,G
+@C@D2 + @@, - + +- +B@ .C ? AD +B@ E C,@ J C+ @ ,G
+B +B@ E--A -C B- 2 L P B C!$ ' <(8;KOK(
)<= !B- 2 +B@ C@ > @ - 5, S? ,, > > ,,G ,,@D2
A +B J C+ - +B@ U A.D-?2 X--- ,& - $ ' LL # + 8 / / (2
B@ B- E@ A. / # C@?- @D26 @B@ U,+A.JC- @ -,,- @D
*@ 0?"(. M1 @ % 0$ %. 1
JJ,@ @) 0$). G)) J 2 1 !1)
O P 2 1) @ 1 O = 0) O M
@) L 1)) 1) @ 11
) = - *0 @ 1 . - ' @)) L =
@ 1 0) @ ! E ! ! 'E
0 @ . L P @ ! @ 0 L M @ 0
8L P) = P E). L K @ =
1 E B ! - *(@ . @ [
@ 1 0 @ %B @ ,G '& '
1)% ,0 1 0) M 1 1 !) @1
L M 1 @1 2@1 0 8L P !). L Q 2@1
8L =) Q 1 . P M 1 0 0(. P Q @1
L *@1 " 0 L) @) L =
@ B ! = M 0 @K 0 P @ 1 P2 Q @ P Q
@ M @ 0 @ M2 < @ P
@ 5 1 <) 4 :1 6 / 1 % %
2 L L @ % P @ %L 1: 1 %
0 L @ % L = 2@ % 1 @ E% @ E% 7
*)4 6 / ,(= M @ @ 0 @
@ < 01:) @ ,L/ 5 ,,
! " ;

-' A'C@.>, C' -C? ' ' @ - ! -DZ'@+ '= ' B@ @D2 P ' B- @D' , -' P' B>@DZ GD' !+C-A.' -C? ' L' - '' B @AA2' L =' -B >A2' >A2' - A2 = M' B @A2' A2' P M' B > 2' B @A2' A2' GA2' M' B >A@2' 8 (B A@2' 4 &'(-B (= P' B@A@'8 (2' P M' 8-(B@ A2' M Q' B@ @A2' Q ' B@ A ' M' -B- A2' B->A2' M Q' B- @A2' B- A@2' Q' B- A@2' Q ' B- A' ^ ' -??-A' 7 @C' @ U' @CE ' 0' ,$ $'' f' #5C '

[illegible]

$ 7 +B' -?J,@?@A+' 8C C@,G' i ' AD' A (' ; N D J, G' A' ' 8 J@ @D(' -AD + -A' -C' +B' ' 8 J@ @D(' JJ@ C A @' , -' 6!0 , -2' +-' > @'+-' JJ@ C' -C',--U' 8 > B' AD' > B(

[illegible]

E@B-->@'+-' B-@' ;QLQ O '"& *.) (0' + ' 'W @S AD@C' '?@C @A C@' B@ @D'+B@'.C@ +@ +'@SJ,- + 2' E-+B' A' ->,' AD'E-DG

! ' -' JC-D> @' -C' >E? +' -C' A J@ + -A' 8 -?@Y +B A.' A' -A@' 'J- @ -A(2' ' -' JC-D> @' 8 ',@. ' D- >?@A+2' @+ (' -C' - ' A J@ + -A' +-' @SB E +' 8 -?@+B A.(A' JC--' +B +' -A@' J- @ @ ' +

[illegible]

,>' B B'+B@'E@ A. @@A' ' A'>A A+@AD@D'
VC ADD@A+ ,'C@ >,+
' -' ,,- '8 'J C+' - '+B@'E-DG('+-'E@' @@A
' &' &2'&' >' $ ('%$, '@+ ' +-' ,,- ' -A@'
@,'+-'E@' @@AZ ? U@' A' JJ@ C A @' , -'*- A'
, C,G' &' &2'&' >''& (
P' ' 0' (<N ! B@ >'HJ A@E' +-' ?@' $50/ ' (
<;P' "@V B D@'>'B 'A@E E@ +'\' @-+ E ?-A.'
-C,D, B@'?@A' S -- @' B 'C& - 'SSS +' ' '>A.'
g C-C 'A'-C@A+' B@ 'B C' .@'J +@' ;PP' '9 .
& ,'8;PKN('=N B ' ? AA@ +D>C +' A-+' -A @' -C B ',)@'
B@ @'B 'B@D @' ;MLP' &' ' ' 'SC' '
;K;M,'LN' "@') ' B ?@D'+-' B@ 'B ' @' A' +B@' +C@@+@ '
;M=K 6(B 'C ", ' 'DSZ' -' 7@@D' b@ >? D'+-'
B@' ' + 'C- + B' @'#A' +B ' C' + .@' $>&[' - '+C'
>& 0 ' $ (' ;K 7B@C@' ,@ A' , @' ->,D'E,> B' +-'
B- 'B ' @' ;K=;' '< 0' & $ "' &- 0 SZ
DG' >A+'B D' -' C .B+@A@D'B ?Z+B +'B@'A@ @C -A)@' B- @D'
+' A- @' A' +B@'J, @' ,'+B@'+ ?@' @' , @D' +B@C@' $ &J
' ,C$ ' %'C (' SZ ;@ ' AD'%BC + A' C@D +-C Z
J->A A@'-A' B+? B@+@ @C'B@' B- @D' @' SKKK'T: ' !'
9 0'?&&!>' ! 0' Z @+'B A'!B- 'B '>.,G'?>.'
AG B@C@'B@C@ E->+ Z AD' ',' .C@ @' ,'+B@' +@J '+B +'B@'
? G'EC@ U' "'A@ U
+'E' -'D J, G'8' -AF+@A A @Z,--U Z@+ (' -'
' J@ @D' -C+' &' &2'$' '*$ '&%', . M
+-'E,> B' &' &2' $ ''+-' @@J' 1 0
,';=PN' ( ) 1 '8!>C+@@ ('ON<K' A' B +'D, @@' :V+'B@'
C' + DD' "@' B@ @D' G' ->A+@A A @'., DD' ,'4=QN '
$!!$,' 'PQ' 5-C+#>A@'B ?' BA +'BGC'%" &5' 'D->E,,'
@' O &JX) .' $ - 0' *&* 0'!=<% @ C' B@ @D' 'C@DD@'
J C@' -' B@U@ ' ;PPL' 9 . '8^;PKN(;Q 5@ @ '
J U@' - '+B@ @' + -' .@A+,@?@AZ B>+' +B@' !B@ @D' +@ C@ '
Z!' :' 9 7 '+C' , &!$">' &"0';' Z' , @'
B@ @D' A' >C@D' ->A+@A A @' ;)<N < ' '&&'
!$ ';'8SM--(#LZ !B@' B@ @ '+B@@'U AD@',--U@
' &' &2'8 'J@C -A('&' >' ! '$',! $''-C%$ '
*$ '&%' ! '+-' ,@@'8 C-?'B ?(' 8% '5' '&' '
E '$!&' ' , -' $' %'-' ' B J' ! ? , C,G' '
&2'8 'J@C -A(' '1$,.(@+
&' &2'8-A@(' ',&! ' &)! M' @@' I.)'!9#+ / $ 1(
;=NN PN' $ ' ! 50'A#N &B ,J 'OC D '-A'B 'E,-AU@'
+- CD' E>C*@'\'(V??'J@'E U' B@ , ' ;PLL'^ @@' ' , '
L' (' 4P=M :' ' 8)'C & (;;' '8;KMQ('M=' S @J+'B C'
? D@' B@ @' ' GC@'J C@'-'B@@,@ Z SP<!' $! &'>' $ (
A' CE'<$ ' ,,,' L<=' !B@ A.'?@?' ' ,@ A' J C' -'
B@@, Z^ a'+--U' ?G' G'-B@C'B@'?->A+ A Z SDG' $, $'
!! 'C ' , '8;KKL(LPM "@' B->,D 'B- '+B@?' ' ,B+'J C'
- 'B@@, ' SKDL' 1 ' &) , ' 5 (LL=' "@C' ? *@ +G Z
C- @' C-?'B@C' @)' AD' B- A.'B@C'EC- D' +@CA'+-'+B@' -?Y
J AGZ ,U@D' +C .B+' G' 4KKQ -. '> 0 0 ,>V' ''
&'?$"'S Z!B@' ->,D'B @'B@,D'B@C'- A' +B' ?-+' B J Z
AD' B- A'B@C'B@@, '+-'A-+' @
D' &' &2' ,!& '%&& ' = &&%>+'+-'E@+C G'
-?@+B A.'D E-, '-C' A +@C' A' -A@ ' B C +@C'
-C'?-+ @
O &O '<%0' & $ %"' $- ('42' +' '@ J@ ,,G'
E->+'?G' @'' -C+>A@'+B +'3 C'O ' B- @D'B ' ,- @A' --+'
SKK '^ @@' ' 1' 10';'E*' ;M<M C $!!' $!' $ (3 C' "'"
3 C ' 3 ' B- @D' ?@'+B@' ,- @A' --+'> +'A-
@' ' '+-'.@+'C@ DG)A' E0 (
4KLP' 0' (.'? &0' "&'$ $" ' % C+@C E@. A' +-
' B- ' ' -C' A-+B@CZ AD'?-C@' + @'D@?-A +C + -A
3' B!0 -' JJ@ C Z U@' A' JJ@ C A @Z ,,- 1'
-A@ @,'+-'E@' @@A' % 'O
$'4LNN 0'4QNL< V C B@>D'B@'B ?' -C'? .B+".-DD
S=--++' $' ' ! 50'L=O< 0 +B@'O@ A'\' A)C '
E ,D,G'J ?'B ' '$'SP)' '&%'? 2 .'PL<'A') 'T'
1$ >'C& - 'LNL' AD' A+-' '+B- ' ,? '+B@-JJ A,+@' 4PK<
7 7 ') - - $ ' $. >' 0' .' &"("B' #>C' ?@A Z
@@ A.'A-'? A'- '+B@'!J A CD '+-' B@ '+B@?@',>@ Z E V-C)D'
+B@'!J A B' E CU@' ;KL=' 3 ' 3 ' 8
4<Q '& % B@'!- @C@ .A'-' C@ +'OC+ A'B '-A,G'+-' B- '
B ? @,'+-'E@' D-C@D' ;)<' ';#' B '
, ?E'D'>J-A' ' C' AD'@ @A'C D.@Z AD' B- 'D'+B@? @, @'
. A +B@'UG
+-' # ' '+B A.' -'E@'-C'E@ -?@' E,@
4PQK ' && ' '+ 'S,' ;<K B@',- @C'- '+B@ @' +C A.@'
J, A+@ 'D--' B@ @'+B@?' @,>@ ' -A>A-A,G' A' :>A@' SK)'
' 9 ' !!' $ -),' ' "@C@' A '+B@C@ +B@'
, .B+@C',C@@A'-' B'- U' B- @D' +@,
' (# ' J, A+ Z +B@' @ -A Z @+ ' -' EC A.'
-C+B'+-' @ Z'D J, G'8 CA +Z ,- @CZ'@+- (
' "L' 0'% ' !(B 5' 5,->C@' B@ @A' B@C'E-C->A'
Y1 . 9\# 3 C @' ' :>A@Z :V+' B@ @E' ,->C' KLN $' (
& ,(&,0 8;KOO(' Z L<L' B@' > U@C'-' A @C -C' +C@A.+B
,' A-+' B@ '' C>+' A' +B@' ?@' @ -A' 4K=L' ->J-
)1) 1$'' & (MQ=' ' --A' '+B@'J, A+'B @' B- A'+B@'
+B CD',@
+-' # ' A ? , ' -C' J, A+'+' -' D J, G' 8+B@C'
-,->C Z E@ >+ @ Z @+ (
;MMQ' : 'C0' (' '=NM & C+Z J-C+ A.' +B' I> D+'
, A @' !B- '+-'+B@'!>A'+B@C' 'D' - +'DC-J+' +B' -,D'
;Q=L' !' * ' '0< !-?@' B@ '+B@C . G,G . ,D D)?'
F> U ,, A A.'+-'+B@' >A' ;QKK' 'C& - '\\' "-'
A@'+-'C A.@'- C@'?@ D- ' D@Z 7 B ,- @C'+B@C B C?W
C@' B A`
' # ' ',>? A->'E-DG' -'D J, G'8 + ', .B+(
' = ' ! 'A'C&!0' !(' 0'C& - 5 & W'QL'%B CE>A ,*C '
>E@G !B@ ' A'D@ +UA'@,G.B+' 4P)' ' 'C , *
Z $' ;' ' :' *EZ B@',G.B+@Z AD' > -2Z+B@' ,@' ?E'?.@'
BG B'+B@'3 --A@'D-+B' B@ @' ->C+B@' ;<PL' B 7'? &
' U@' 'E-,D' + CZ+B +' B@ '+' C@'EG'D G' R&R&'
Y?0 $ - - (SSS ' B@' >A B- @D' +'EC-)'D U' E- @'
+B@'@ +@CA' @
' / ' # ' '+B A.' -'E@'+B@'?@ A'-'D J, G A.Z
@ @ , A.'+-' .B+Z-C' ,,- A.'+-'E@' @@A'+-' @C @'
+-'@SB E +' -C' AD +@
Z $JO ' 3 '?$ 0' 'C0' ('S'T:$8; ;<P(LQP' A' @ '
GA.@'- 'B ? @,' L)@' B@ @+B' -+B@C' +BGA.@' +B +'E@A'
JC@ @A+@' SMS=' < 7 '),$%'S'LKM' BG' ,)+'+B@' -++E '
+ AC@' AD@C.-@' Z JD' C ' 3 -C'+-'+B@@' B- @' 4QNN
B ' $- &') ' ;OM'%- A' +--D'C->AD Z,U@'-)A

JC@ @ Z B +' B 'D'+B@'D@ D' A'+B@C', +'DC@ @' 4KP<
$1 ' < (&, "' ;M<' @)' B-C+' J@++ - + Z -A,G'A-+'
B- A.'+B@'UA@@ ' % &' ' J " 'A) '&%"'
' ;N=5-C'-A@' B-C+' A + A+' ' AD- ' B- @D'B ?'+B@' +G
+-' &' &2'&%"'& E'+-'D J, G' A' C@,@'-C' EG'
-A+C +'+-' @+'- Z@AB A @' A' JJ@ C A @Z $ (
,'c< R O ! ' . 0'8;KKN('=QN 5-CZ 'E@' @G@AZB@C' + +'
-,D@'J@C E@'E>+')' B@'C B@ @' B@ D@' +-->+' SMSS
' , 0' (' 'O;Z ' ,U@'G->C' ,@A @Z +'+B@' ?-C@'
B@ @ - '1->C' -AD@C' %]' "'"# ' $ $!0' 0
0' V ' 0') 0'OLN' B@' @CG'C->.BA@' '-'+B@'@?EC- D@CG Z
B- '->+'+B@' A+@A+ -A'- '+B@'D@ .A
-' -'E@' A' > B' '+ +@' -C'J- + -A' '+-' ,,- '
8 -?@+B A.(+-'E@' @@A2' &' &2')*'8C C@('+-'
@SJ- @' 8 -?@+B A.'+?D@CA@ +B(' &' &2' &%3
! '+-'B @'B-,@'-C' -J@A A.'+BC->.B' B B'
, .B+' A' E@' @@A
c]'8 9 !' $'(&)'SSZ " ' -+Z' ' B+@' +'
+B@' @ ? Z AD'B 'E>++-A' B- @D'+B@' -JJ@C' SK-' $1 '
< 0' &, "' ;<<' B@'? A' B-'' B- 'D G, .B+'E@+'@@A'
B ? @,' AD'B ' DD,@' ' E D'C D@C' S!GS' $- 10' " '!0
OK : A' =< 7 B ,@' +'^+B@' ? +@C ,a' '@I> ,,G' >+ E,@' -C
+C-J ,' @ CZ +'D-!'A-+' B- '+B@'+C @' ' '--A'
;)=' "' '# ' $ $!0' ' 0' '0'V ' 0')0' JJ'OK<
'A@A' >++ A.'->+'%@C+ A'J C+'- '+B@'J ++@CA' B B' B- @D'
>J',B ' -JJ@C' '.C->)' & 0 B ' -,->C'C - '+B@'
D C+'?-C@'+B A' +B@'-+B@C
' -' B @' E,G'8 -?@' @S+@CA ,' @ +>C@' -C'
?)CU('+-'B @'8 'J C+'-'+ @,(' A' 'J- + -A'@SY
J- @D'+-' @
$'%b b'P O4'*G !" ' '2 0' &' &- 'PQN' " ' B @A'
B->,D@C' B @'+B@'? CU Z A-'D->+Z # '+@>)B'+ C, DD@C'
SMSS'%- $Z +-A@'? D@'>+')'+B U@' '' ,,Z
AD' B@ A.'+B@C' ?--+B@D'@AD' -A'@+B@C' D@)'+B@C@- '
$'8%&&') ' $ "'!@J+' 4M=M' B@ ,J Z B@ A.'+B@C'
J C A.'+-J ' SK ': ' Q I ') !0' ",&!0 OOQ' B+'
B@,,Z +B->.B'C->A)' B- ' ,@' .@' c < +
$*$'T' &&-' "@C'J, AU' B- ' .A'- ' .@' c &R
<&! % ! '&%' ,& $' ;K B 'C>A'-'+-A@'Z B- 'J G E,@'
.-,D' c&R': ' (J ' ! -0'C && 0'8@D'M(;N;'!-?@Y
+ ?@'EC-?' -@'JC ++ ' B- '+ A
+-' # ' ,W+Z C@ -CD-' 'C@ -CD A.' A +C>?@A+' -'
E@' ->AD'EA' A J@ +U?'+-' AD +@
SKMM) ' $ '"-!0'8;KQ=(' 'SM' B@'E C-?@+@C'
B D' B- A'A-'D @C@A @'-',@ @,'C-?' E->+'SK--'@@+' E- @'
+B@ @ ') 1 1 T ,0 - <KO 0' C@GC C-+ A.
B- ' ,, A. - ' ' -@C--)---'G CD '4<;#' : 9'/ , 0
'C$' 'P (' '!0'8@D'O(LON " + B' B- @D'Q LN J ?'
& 0 ,)'+E@A 9 3A@?C B- @D'+@A'D@.C@@'E@,- '@C-
A ' -' .>D@' A-+B@C' J@C -A'' .B+' +-' 8 A'
-E*@ +(2
! '-') E,@''J@C -A'+-'D - @C'-C' D@A+' G'8'
E,@'#E*@ +('EG' J- A+ A.'+-' +Z -C'EG' -AD> + A.'
B ?'+-' ' J, @' A@C@' +' A' E@' @@A' , -Z +-'
D C@ +' 'J@C -A '-E @C +-A' +-'B@' ? ->'J C+'
-C' @ +>C@D' &4'8 ' ->A+CGZ +- A)'E> ,D A.('-C' AG'
-?J,@S'-E*@ +(Z %' &' &2'2 '&' > %'
'-&' $ ' !.+''+-'J- A+'-
,';SQP' $- 10' & '0=;'!@-D- A'B@'B ?' @ >D@' A' ->@V
-A'E>? AD@' >C@' $'4LNN) & ' 0'4L<Q<'J +' C, > 'E C
B ?'-C+B ' J-A'J@'B@ +',B@' AD' AD'J C@'B@' >D'B ?'
E@',ADZ 4L=N QN' ! 50'#'' 0'P-)J AA@'Jq' ,C@' *V)'
U A.'B>C' >>)'+-' B@ @' ;LKQ'8 A) ' '8$-,, (
OK<' " 'E>C@,')'+' B@ @D' A'HL' @ +' D@' -'$@A+'
, 7\&' ! ''SS 'LQ;' @A @,D@' BLC AG-AD@Z'
AD' B@ D@'EG?' +B'B W GA.@C' ;=)' '<' ' $2'
- '8!Z:g!('S-'F>E@A'B@')@ @' +B'B 'GA. C'+B@' -A@'
-' -D' A',.DC@'- ' , ?E ')VPK<X I) 8(' !& &)'
,Z<=EZ B@C@ -C@'-,# @+B ' D? A'8*@ A.'+B@?'%E@,@('
S)' ' 7 6 ,)'+C' $ $ $)' &'D(0' ' 0'
;KEZ B@' ",-,' "D' ,@A' --C+B +E' B@ '+B@?'+B ' +@C'
;P<M 9 , 0 (' ';;Z 'JC G'G->' B@ ?GG->)B'
-,D' !EG,- U@' B->@' ;MLL' 7 8' $ 0 0 O=' B@G'
B@ '?-'+B@'%C E'-C'!+?,' B@C@'B@' 'E-CA@' c R0
)) ' $!"(' ? ,$'98' '!+C A.@C' ,, G' B- A'+B@'
-?E'-'&-J@' > >' SQL=' $' ( ) &1 & 0 @'
;K<N" 'Z SQS' ,U@D'+B@?' ,'- @C'+B@'B- @'+-' B@ '+B@'
C--?' AD'E>,D A.' SG!S 81 ' &*'OO;'%-A @A @'
!B-$)Z +B' 'J- A+ A.' ?.@C ' 'J ,@'JC- @ -A'-'J +' AY
>,'*-)') =' $ "'S. >.'A' &,. $ '8;KLQ(
' 0;Q'3C' AD@C -A'B- @D' ?@'+B@' J-+' B@C@'B@' -CY
@. A'?-A C m Z " %-Z ?-#C@D'BW ,@@+' XK)'
& ' $ 'SSS SZ' ' A' B- 'G->'B@C'C--?Z 3>?Z AD'+B@'
JC@ ' A'+B@'B-> @U@@J@C''C--?
E'
? %' '? 0' $- - (Z B@' D .@'!B@ '?@'+B@'? AZ
AD' ;' ,' B@ 'G->'+B@', 'H'E@ ?@' 'JC@ ,@A+' ' +'
AD ,->')'S)'8 9 !' ,-0' $ 'SS 6 Z!B- '?@'
,CG' B @', U@'B ?'A- '+B +'3>C +' '.-A@Z $';KM<
3'Q $'E - $' Z 1@+' B- 'B@C' -A @Z G@'B@ @A,G'
&- @C Z #A@'- '-?@' -C+B @C C @'+B A'->C ,
' 7 +B'? S+>C@'E' @A @'8 'OO (' -'J- A+'
->+'-C' AD +@' 'J, @2 '8@+ (
, !''55 'LQ;'7@'JC G@'G- '+B +G@' ,, ' E@ @A
B@C@'B@' '+B +' @'? G' UA-7@A' 4Q=L'<' ' &'PK
BZ B@ '+B@?' B@C@' A' ?E> B' + AD' -' @ X@'+B@'C' JC@G'
+B@'?>C+B'C->'E AD': ;KQQ' . 7 ' -(LLQ' -D'B- '
+B@?' B@C@'+-' ,,
. ' &' &2'- $ CB '2$"''+-'.>D@' 'J@C -A'A'
'C@I>C@D'D C@ + -AZEG',@) A.'-+' -?J AG A.'
B ?Z-C'EG'. A.'B ?' A +C>+-A ' ,-'% 0 A'
$, ' ' AD')' ' (+-' ,@ D' +' &' &2' '2$"'
% &- 0(+-'DC ' G' C-?Z.@+'E@ -C@'8 A' 'C @(
O/J+' . 7 'QNL ;Z ' B@ @'B ?'+B@' G' L O[' = '
Z . 3' $- !!$' '=KP'#'A@ @C'?AD'D@ A.'?@'+B@'
GT AD' ^B@a' ,,@D' A+-'+B@' J C+'?@A+Z ;KML' 7 Z % '
0?)-' % 0') ' '"'0 ;<L' B@' J+ A ->,D'@AD'
/#-A@' +B'>'+-' B- '+B@'C- D' 4KK< ,)')!) '
'$, "',<0'!-Z+--Z -A@' B-' A+''+-'E@' 'J A+@C'-C'
J-@+' AA-+'B@') ,- A.' AD' D?C A.'+B@'.C@ +'J A+@C'-C'
J-@+' B-'B @'.-A@'E@ -C@'B ?' AD' B- A'B ?'+B@' G'
;KQ;' 7)' & - 1(. - (OP;' -2+ +C*')',-' +' E->+

+B@' + C+' 3 C'&-UGCZ 3 C'5,+X --D@,Z AD' @ @C ,'-+B@C'B .BY
,G@C' B- A.'+B@' GZ B B' +' ,C +' , G' +BC->.B' '.C
@,D' 4KKQ $!"' 2 ''/@ 'O=3@CCG' 3 D@AZ +' '.--D'
J @Z B- @D'+B@' G' C-?'O ,,-+'O-S' AD' C@ +'& >,' ;K<'
':'!'9 '')' ! !"'S"Z!B- '?@'+B@' G'>J + C
+-' &' &2'8-A@(' '&&''+-'-CD@C'8 'J@C -A('
+-',@ @'+B@'C--?'-C'B-> @'+-'+>CA' ->+' -'D--C Z
4QQK 3 ' B ' ! '$'SS Z ' B ,'? U@'E-,D'+-'B- '
G->'+B@'D--C' ;KN< = . '< !? $ ' ' '8$+D.(', ' /-A'
$-DC .-Z B- @D'+B@' .-DD@ '-'?G'D@ -+ -A'+B@' ->+ D@'
-'+B@'D--C' SKKM 7' . ' - $ $!' ' +,Z A' G->C'
J, @Z' B->,D'B @' B- A'E ?'+B@'D--C
1' 8 7 +B' A @C+@D' -A +(' -'.>D@' -C' -AD> +'
8 'J@C -A(' &(' '&' 'J C+ >, C' J, @Z C--?' A' '
B-> @Z@+ Z& '-C' &) '+B@'C--?' '-' 'B->@
A +=-- P-' $ ' ! 5 0'=N<' AD' B>' B@ D'E ?' A'
B>CCG Z +-' B@,, ' \'+-' >@' ;P)' ('E'%& (
$ 0 7U ' ;<N=' ::'LN<' -Z ? DZ B@ @'B ?'+-'!B@' C+B@C'
B ?E@C' 4P)' . 0' (;<%-?@ .-' D' CZ
'G->'B@ '?@'+-'+B 'B->@' $>&' ' & 0' $' 0
'8;QMN(, ' ;L<' B@'.C ?'+ A +-CZ B@ @D'?@' A+-'J C,->C'
SK)' $'($' Z1->'?G'E@' >C@'+B +' B@'
B- @D'$@E@ '- @C' @ @CG' C--?' - '+B@'B->@' ;K<;'
'0' ? ' &'' 'OKQ !B@' ' B- A' A+-'3 C' !+>+'
+ A.''JC +@'C--?' ;K<;'T6 0'!' 9 ')-! "' S Z !-'
'+-'E@'C@ DG' B@A'3 C' "-J@' B->,D'C@I>C@'B- A.'+-'
B@C' CC .@
+-' &' &2')*()* $ '+-' -AD> +'8 'J@C -A('
>J + C ' &' &2'&) '+-'+ U@'8 'J@C -A('+-'+B@'
@S +'D--C'* +-'+>CA' ->+' -'D--C ' &' &2'''+-'
EC A.'8 'J@C -A(' A+-' 'B->@ @-C'C--?' &' &2'
&)' '+-' B- '8 'J@C -A('- @C' 'J, @Z B- '+B@'
T' .B+
;M<L'%UV $0 ' ! '?$, 0';' Z $-(8+-' && -$']'0@'
C@ DG'+-' B@ '@?'>J' ;QQQ') ' (,$' 0' 0
#BZ .@A+,@?@AZ E@.'J CD-A' -C A-+' B- A.'G->'+' ;K=L'
= . 0' (OQ=' '+B@C@' 'A-' C@' A'+B@'C--?'
E@,- Z +B@G'B D' E' B- A'>J'+-'+B@', EC CG' ;K)=')R
'C) ', 'C$!% "'5 0'OKQ 7 A+'+-' @@' ?@ ' !B- '
B ?' A Z5 AAGZ $';KKP'T"' ' 8 ' '&' $ 'S Z
- Z CZ, +@A' E@ -C@' ;'C A.'-C'G->+'-'E@' B- A'->+' SK)'
:1. 7' '' $'=0' >' 2 >' "-'(:' B- @D'B ?'
C->AD', + @@U
-'@SB E +' -C' ? A @ +'EG'->+ CD' .A
2' -'@SB E+' ,,- '+-'E@' @@A' 8-?@' A CD'
I> ,+GZ @@, A.Z -AD + -AZ @+ ('EG'-A@''->+ CD'
JJ@ C A @' - ' D' -'+B@' JJ@ C A @' , -'
+B'-E*' , > @' , -'&' &2'$' ''-C' ''=&%(
$ (
, Nh\'C$ &''&%'&) ' & 'M;K' A' 0' 0' ,0'P=' C@'
,->@CD' A-?' AD' @+' E@C -'+- >-C@'E@-?'@>@C G@E-A@Z AD'
@ @D@'*V +'B@' @' G @'?GD' ,@G @' AD' ?GD'E-A@' ;P<Q'
= 7 ' '=' !& 'OMP' 3 G'B@ ' -' >C+B' B@ '
-' B@'D-,->C'-'?G' ->AD '< & (
,'SS<' B@'%-,'+B +' -C ' !+ ,, -A' 'D@ .A'DZ O G' >C@'
&C@ .@ B- 'B '.@A@C->'9 AD' SWLS' ' $ 0' $' 0
cc/ /->., ' AD' /@' 7 ,+-A E@. A' +-' B- ' -?@' .A'
+B +'+B@ C'B>? A E-D @' @C@' @@, A.'+B@' @ @ +' - '+B@'
DC@ D >,@4@CC -A' 4KML'< ' & - &!$'S' "@' B- @D'
,'+B@' ->+ CD' .A'-' '? AD' +' @ @' 4KK=' 7 '
") ($. * $ 'SSS Z#A'+B@' U@A A.' B@'? .B+' B- '
SB +'+B@'C' ' -' @C
O' -'D J, G'8 'I> ,+GZ -AD + -AZ @@, A.Z@+ ('
EG' -A@'' + -A' -C' E@B ->C'+-'. @' JC-- ' - '
J- @ A. ' , -'&' &2'$' '-C' ''=&%+0
'SL--' '#') '=<+) B'B '? AA, A@ @Z AD' >+B'
q C@' ? B@,@'@ D?-DA@ @'D@'B@' ? D'B C@' @ @D@' ;O<Q
$'<. B '8$-,, ('<L;K' -C' C@JC- @ @' @'?-+@'A@D@ @ @
+E'D G'*A ' ;LQP' B '?- , 'LMQ B@'OC>G ' -,U'
>,'B CD@,G !@A G+'+B C .C@+' B@ ,CG' ,';PPN) '
$ 'KN :' B@ '?G' -CD,G@ GE@C ,+@Z A' O AU@+'
+ A.Z J, V?.' +' CD Z AD' /G @' ;PQP'< ' 7 'C !&T'
%' ' 'KP'!B@' B@ @D' .C@ +' U ,Z -C'+>A@'-'>A -A@' ,'M=L'
)' ' ') &? & 0 8;KO=(MN ' ? A' 7 +' 'E@ +'
B@ @D'A'B ' A @C' 4MQP 3 'A' $!"' &" @' $''
8" U,'!- (' % B@C@' '? DD,@ X@D' I> D' @,,- Z
B-' B@' ' +' +C@A.+B' A' +- A.' E->+' @ .B+' 4QP4
:-$ "' -0 8;QQ;(:' 'M' @CG'E@B ->C' B B' B@ '
AB>? A +G' ;KPQ B . ' !0' 'S 'M=O' A'+B@'JC@'
, ? A CG' -CU'- ' >?>, + A.'+B@' + Z .C@ +'@A@C.G' '
'B- A' SKKM %' Z' ' &' 0' &3 $"'S,'8@D' L(LLQ
, DG''? D' ,' C@I>@A+,G' B-' 'C'E@++@C'+@'+B A'B@C'
?'+C@ - ' 4KKQ ! 'P' - 'Q;K L'$-.@C B- @D' '.C@ +'
+>CA'-' J@@D
'+-Z +B%& (' (
[788' P2 &'''?$1(=O=' !B@ @' -C+B'B@C@'A- @'G->C'
C +@'S))' . . 1'C$ '< !!;LK83 ,-A@'!- (
- '&-, J ,@'J@C -A' B-@' -C+B'+BG' UG,,
N' 7 +B' -E*@ + , >@' -'? U@' +'J, A' A'
C@. CD'+-'-A@ @,'= $+(
50' 0'V$ 0' ;NLM A'E ' A'E A.'E@' B D@ E@+'
B@'#)@' --' .-DD' 9 .6 !0 . 0 ,,Z'L,;' - Z
B@ @' A'D@D@'E)+'E?' @U@A' ?-C@' JC- +' AD' GA.@'-'
%C +@A@' ->,+'E AA@'B@C@' - @A@'V)AAGA.@'- -C @E J@'
$';988' = 7 ,(C 0'SSS '9'O@ > 'A-' .A@' '
E'>A@' B +' `'B@,D'?@'L->C' >A@' 4QNM '9)' && ''
& ! ' 0 8;QNK('OM "@' ->,D B@ 'B@'B D' -A@ #>@'
E@++@C' O,--D'+B A'B ' @ D@C' 4QMM ' *0 A' 7 ,J-,@'
-(< &('8;K=P(' 'OMQZ 'B @'D-A@' ,' A' ?'GJ- @C'
+-' B@ ' E +@'D + A + -A' & (A' E-+B'+C A' + -A'B@'
B- @D'B@' 'A-' --,
D' -'? U@' ' ++->' B- '-' 1(
,'OA++' 'L<L'5-CCE'E>++'+@))' -C' D@,,'*@,,J '!B? @+?'
E -C@AA' -EC@ ?@ A' #-DA@ @'\'C BB+ *A@ @' 50"5 $'
, '8$-,, ('MO<=' "@ ,@D@'@D?-AD' +@'3 D' ,'E-'
+C@A,E)'E)+'B@'?)+@'\' @ @D@'?-C@'HL'+-
% ((7 +B' -?J,'8 D*' -C' E Z , - +B'
%& ' JC@ S@D(' -C' A ' -'@SB E+' -A@ @,' A' '
8 J@ @D(', .B+' -C' B C +@C' +-' ? A @ + -C'@S'
@?J, G'8 J@ @D(I> ,+GZ @+ (+-'?'A-A@''E@B ->C
CS ' " ' ;MPON' ;MPOO 5-CC' -DD'B ??' E @ @EE'+-'
A'D'+@' LL'-'E ++' ,U@' @Z J ++'+-'E-' B @ @ +-' CD'
B ??' :' E-BB)' ' -CDZ 'D@D@' $5V ' (' &'0(

'0 % M !B@ M G->+ @g @ D@2 'D@ @AD- +C -
+B@ %B>C B2 AD .-D B ,, C@ CD G-> X;P<N = 8
" B& % $! $ A ++ Q<Q - ,, : B@ ?G @, @+- B >@
?-C@ - +B@ !@CJ@A+ B@A +B@ /->@ M;P) 7L ?15 "
8" + B !- (L; "@ B@ @D BG? @, @ @C?@C8C@AD +-
[AX E@C +B@A +- ?@ $;MPQ : .6 B ' '0 ,& (
" + 7U ;KOP ;QN O G +B +@ - B @)@ B ? @B @
+- E@ +->+@ J>,D @C2 C +B@C +B@A G @ .@A@C ,, ;KLQ
. . 0 0 2 AS -> +- B- E+? @>
& +C -+ ;KQL $# 6T 0 %)! S S LNO "@ B D B- A
B ? @, 2 A -A D@C +@+- +B@ @C.@ - C>@,+G ;KKK !
9 KK?&& ! ! 0>5[B,C " ,, D G B D B- A B@C
@, +- J- @ D A+G + +@
i E - JC- @ 8+C>,G -C , @,G(+- E@ 1 0
, --) ;P 3.@C B EE@ E @A ! A @ *
B EE@ ?@ @ @D ;=PN .T C $! ;<= B)+
B-+B E-? B-,G +- ? A G.B+2 -C+- E@ JC G GD - A-?
;=K= # $1! & % & * ++ 2 >@CG E)G E>.B+@ +-
B@ @ ? @, > B@ B@)
? (I> , +G2 -AD + -A @+ 7 GA - @ +
+ @, +- E@ -?@ @ D@A+ EG .A #C +-U@A
;L=N " '1(O; (V X@AA@ B ? @ @E ?@ 4+@,@ ? A@C)
$;QMM - (S 8;QQN(;)O;= - B AD@C AG -+B@C)
/ +@?J@C 2 C-? B@ A. + @, EG + -BC DO
VKL; 0 &1 0 S2 B@ ?@ E-,D AD CC-. A+ D
J- + -A B- @D + @, A - -A , I> CC@, +B +B@ C >A
,, A. B- + ;KM= &!" & - 0 - *0 S 8;KQP() N=O
B@ +@AD@A G -A@ B B B@ @D +) A C ->
D C@ + -A)
/3 - D J, G 8U ADA@ 2 ?@C G2 ->C+@ G2
? , @2 A@.,@ +2 J@C -A EG -A@' + -C
E@B ->C +- -CD -C .C A+ 8 E>*2 B-A->C2
.C @ ->C+@ G2 c J,@ >C@2 @+ (%-A + H
&2$ 8 E!" (-C D + @ '
8 ;NNN 5 - &% >< '0 ;PK; B@)@-AD,, @ -A B
)@A>? @D@C C@A@ -,D@ .@ @ A a , S -- B : L
C &* $ " J ++ ? *) -AA AA., B A@??A@DD E A 3 ,6
@AA2 \ B @AA C@);OQW &' & % &) & PO A
0 0 ,0 ;=N J@ ?> B@, (b-,@E>CA@^ @a J + J> B @
D@ + ?-A U>AA@ $;LNN) & 0 4=LNL 3 U@, ,>>@ B@
B C @>D J C , ;LLN * , < " $ &&3_9 ` 3@C +,@
B@ B@ @ A-A2 %;=MN - B 1 0 P - 0 &'0 H0
8;KKP(;;< - B@ C .->C@ J@C >->C .B+ +- E@ B@ D
) . , SS+ OQ 5@, S ,,GA.@ +- B@ @ +B@
,@ @ J,@ >C@ ;PLP 3) . ,,!) 0 S S- AD
+B->.B +B@ JB A B@ @ B+ B@,J@ A@>@C - ,-A.@ OP<N
1 C 0 A 0 ;P 0>+ +- />@ @ B -A@ B ? @, @ D D
J A@ ,, U ADA@ @ AD C@ ->C+@ @ +- B@ H - 3 .
C@ 2 UA@ a MPL ' . 6 C &,&*) C ($ 2 P
B + -A@,G J>C@ .C + +>D@2 B B B@ @A +- +B@ D@ D
;MMQ 1 $ " < # + 2 "@ +C->E,@D +B + S G +)
B- ?G +@C A- ->A+@A A @ ;QQO # O; 3 C A
?& 2 !!(, @ B->,D B @ B@ A E , DG ?-C@ ,E
+ @ 4Q<< (I OL !@J+2 A -, *0 ,, J S% 2
: @@, ?> B -C +B@ A@.,@ + B- @D B ? SK) 7 0
! $' ' !@C ;; ON B@ U A. B- ->C+- +B@ -,, ,D
i E ! ? , C,G2 & &2 8-A@($ '(&. ')
1!$' , &%0 , -2 & &2 %) & % 1 0
$ 4=PN V ' 0 !$ &) QM !B@ B@ @D BG? * .A@ AD
@?E, >A+X - , ,->@ ;PMP : . 1 C$ ' T< !!
<QL 83 ,-A@ !- (!B@ GA. +- G-> +B@2 C>) - +C>@
-E@D @A @
i N & ,$ 0 - A , + 8 B ?@2 *>D.@?@A+(
;PNK :) !" ' 2 0) '1$ L;4 AD . C ?@ B
+BG A+@ @ ->C B ?@ $;QNN % >) , $ '
8;Q;;(;M - D@+@C -+B@C C-? ! +GC DA. +B@ A@ V-. W
- %BC + A +G EG +B@ :>D.?@A+ B- A -A > A)
i D - @+ -C - @C 8 A @S ?J,@(A -A@' - A
J@C -A , - - +B A. 1 0
S) - ' 1 . C 0 &' ,0 ;NOQ 1B + J@ E-DG D J@ -C,D
+A J C UGAD@2 !B@ @ > -CE @A +- B A ?GAD@2 " -
@ >,D @C @ -D A ->C UGAD@ B@C@2 , J D- J C ;=NP
? ' C $" A $" &!. $?.0 M= ! - -C +- C@>@+
+B@ J-J (2 AD 6 @A >?J , -C +- + U -C E@> +B ?2
4=K L $1! & % $ ' + 2 "@ +B + G,,@ 8@ B- -+B@C
->.B+ +- B@ @ .--D @A ?J,@
i / - J>+ -C+B2 @S@C+ 8-A@' J- @C2 +C@A.+B(
, - - +B A. %-A + &'($ $ ' (1 0
OL<K 3 ?$ 0 C 0 0 S 8;=<P(LKP 7 B A +B@
GAD@ GADG+B -E + ,@ AD ,@++@ +B@AA@ B@ E@ > +B B
?G.B @ +B@ +C-A.@C ;=PM < ' 3 $2 - 8! ! (
=Q B@ $-? GA B@ U J- @C . GA, +B ?@ +B +
+B + ,@ @ +B C U A. ;PQP < 7 V ' !2 & $!
7U ;<;N ;NM !GC OC> @ B@ A. .C@ + J- @C >J-A
+B@ , AD2 , ;P<P 1 ! 9 0) ! "> &"((
8" U, !- (4= B + A .B+ +B@ AD@ E@. A +- B@ B
-C @ -A > 2 DC A.@ > E U . A@ +- & ,?
E - - @C2 ++@?J+ 8C@ + A @(& &2
% +- D J, G J>.A +G -C C@ D A@ +- .B+
8&C-J@C,G - A ? , (
;ML= ' $ 0 ;KP B@ ,-A ?@A +B->+
> @ E@ + +B@ ? @C E,@ O, U +B + B@ @D A- C@ + A @
SK < . ' 8 $ " 8;K<L(: LSP B@ E CD B- @D
!6%" B.B+ . A + +B@ D-. 2 S . ^ @@ - 7 1 0 =a 4< b
: " ? 0V (A V $ '3 $ & % $ & S ;K< B@ @ -AD
CB A- B- @D -A D@C E,@ ,.B+ @ ++@?J+@D +- J
JC- B + ,,@ 3-?C D@
- ? U@ UA- A EG !+ +@?@A+ -C C.>?@A+
// - J- A+ ->+2 C@ @ ,2 ? U@ UA- A +- ? U@
@ D@A+ -C ,@ C2 @SJ, A2 @SJ->AD A 3 +-
-A @ 8-A@' A (, - +B%& (&) 0
g 4ONN ' 0 &!!0 & '0 QL AD -C J + .>,+ E@ -,D@ B
>AA@ + C @ B@ @A , S -- $$$&! \ A> ,@
BS @AA > ,, J ++ B ++ ++ E + A@JJ X .- $!
0 L 8 +> 3 ! (J> B@ @ + -C! ,J + .-D J>A%U@"2
\ B@,@ + , J + E ++@C E ,@ J + +@C ,+D >AD@C2 $;LNN) &
0 MMMO + E@CA ,@ ,, -C +- D .B+2 & C- B@ @>D & ?
J@ , .B+2 OQO<L ^ -a @> B +AA@ +@ ! = 2) ' >T
$! > 0OSO87 .A@C(BG GUU@D +B->.B+@ A +BG AC@ +@
7 -,D@ + J-> A@ @C B@ @ +- J@ JC@ +@ ;PNN ON B
C& - S LO +B- A A- B+ B .C+B +B GAA@
J@C!>@ C SM-S ! ! !! 0 <L #,@ + ?@ +>@2
AD ,+B@ @ C@+ ->C ?@ @ B@ SMMM
9 8 $ "OK >. 2 7B@A E D B- @D E@ -C@

,, ?G +C->E,@2 ,G 1 " 0 S LML B@ - @C@ .A
J, A+ E@ DC@g) AD B@ @D + A +>C@2 AD + -AD ->
J- QQO : " = C $, 0 $ 0 m;Q<=(;SM ,,
+C @C @ C@ -CU@D A +B@ ? AA@C B- A E- @ ;KLO 7
. 0) 0 4=4 - ? +@C ,D @C@A @ A E@
B@ A E@+ @@A +B@? S& S . , "!) 8@D #+ C 0
! W '& 0 - B- +B@ GA+ S ?-C@ ,@ DG2 E*d $ K@-C
E@@A ? CU@D - EG -??
' , *$ (S) X ' $ 0 . OLL 4QN +
A@ @ CG +B@G B@ @D +B@ @ , -A @I>@A @ - :!@
:>D.?@A+ 4QQ< K4 # 0 C 0(< $" = A B-C+
+ ?@ ? AG @C@ -A+@A+ +- E@ B- A E@ >+ @ E J +B@G
->,D A-+ @@
E D - +B A.
, S -- MM=P +@CC)++ > + A E-@ (V>CCB B ,
, C@ B @ @JJ ;L ;SMO 8 D++ (% G? > E
AA@ 7 UA >@D2 A D) + J@ CD@ B D + BB>@D@ L
B ?) , + PMM B@ @AD@A+>C + ,, J CA . B@2 B +
->A@ B G+ +B@ A I> +@ S) X) X! $ - (%& * 0
OOL E2 B@ ?@ E@@L? . >A -,D@D \ JC@D EC-D@ B@ @D
-?@ B .B ?G + ,, ? +@C2 $ S.& $ 0 C& - %& - 0
SSS - B@ >G+E@ 3, D + D @ ->+ +- J C B ?@
$>++ 3 . $ " OQ :>A@ ;MPL2 3-A @>C $->J@, @A+
?@ ? ,, JB , - B+ $)) - *& $1! (+B ,@++@C B@
A. +B@ 7 G- D? A +@C A. + 1 0 ON 3 G ;MKK2 B@
-A @I>@A @ - B B , ++,@ + ?@ ,, B@ ;KQP # 8
C $ & 8@) O(XP 7 -CD C@ ..C@. +@D A ? AA@C B B
+ , +- B- +B@ C C@, + -A +- -A@ A-+B@C
N 7 +B C@, + @ JC-A -C D 2 AD , > @
8# +@A +B AD C@ + -E* - +B@ J@C -A A -C?@D (
! D , - - +B A.
g 4 QP $- 10 & '0 =< > @ >,@A B@- @ @A B ,
B + E@-? -C +- E@C@A 8@+ ( ) 0 V $ .0 OSO; B
E , B >C A B> ?, @-CD EU@ " C@ , ;O<N 0 ' 0
0 LO S# -+ @ @ 3-A@U> + ,@C> ,@? B+ ?V >, B# ?
E A)B+- AD E@ @D@ E@-?) C@ B@>@D , G ;L=M
' 1 . C 0 &' ,0 M=LQ I -+ C + : ,,@ B@ J C@ @
E@,,@2 S) 7 5 , S SM : E , B@ @ +- B ?2 B-
? IG@ +-U . + E,B->@ E B ? -C +-)B@ %& ?G A ?@
4=Q L ,) " !! 8!-??@C(O<W B@ @ -AD@ E--U@2
B@C@ B ,, E@ B@ GD B- +C-G@ C@@DG G@D L% #@
8 T '0 .0 <!&, 5 ` LK "@ +B@A @CG E> G
*@ A. E- B@ ->,D B @ ?% E> ,D B J ;QL) B .
' $!0 7 U 2 ;KQ=: LN $@ -A D-@ A -+ + 6 B@ > 2
A D + + +@ D@ +B A +>C ,,G,@ @ > ;QQN & +
8;QKQ(= ?@ ,-A@ A B- B@+B@C ; E@ 8) , @D -C
+B@ ? U B @ >AD? U@A ;KL< $ $! &&
: A 2 B@ -,E A. ,@++@C C-? ? ?? +- C @AD ,,
JC@++G @,, B- G-> B + J--C --, B %*)+>C@ B@
;K=K V $ '0 C $!>JJ- @ @ B D B- A B- -CD
:- @JB !@D,@G @,, A ,- @
D 7 +B AD C@ + DE* - -? 2 A + A +2
+@ B 8D2 J@C -A(&2 & -C B% & 8D- -?@+B A.(
, - @,, J &4 +B@ A
;PKQ <3) <& ! ?0 8! ! (WS B- ,G+ ,, E ,,2 B-
B +B ?@ + O@,@>@ A %BC +2 ;MNQ - &% ;;;
% "@ B@ G-> B- +'-E @C>@ +C A.@ @>@A+);K=L
) ') &1 & 0 8;KO=(=O B- @ J C+ - - .
B B B- ?@A +-) 8 A.>) E@+ S+ +C>+B AD , + @
B--D ;M<Q : 8 - 0 .0 <!&, 8;QK<(QK !B@
U@D B- B@ @D B ? B@ D2 @ B@ A,A @
-CD@C@D 3C 7 A,@G +- +@,, ?@ A-+ +- B@ E, A AG ?-C@2
B@ A+@AD@D +- B @ B ? + >.B+ C@.>, C,G
i N - +@ B 8 ,@ -A(^%A 5 - &' 0G
L) & 0 MKMS 8 ++ (!>,,U J@ ,@ >A AD J@
, C@) + C , >@CD @E@>D +- ?-G @A X) . C 0 C 0
O2)@, E@ ,->@D J + > B@ @ ->A B@ @+E
>/>% < 7 && - - & % && - $" 7 U [<;#
<OM #A@ A .B+ B@ @+B AD +@ B@D C@ >,A@ @ +- A-+B@C2
+ % 2B &2 &' > - ' +- C@ @ , -A@' +B->.B+
-C A+@A+ -A +- @ C@ -A@' -J A #, -C *AD.@
+A@A+ , - 7 +B%& 0 1 0
, . ($ ' " % ;M=M - B@ @ G-> ?G ?GAD@
?D@ B >@ +B@ ,@ @ @C@ ;PMO B 1$! 8;PMK(
P= - ,, B@ G- ?G ?GAD@ BG B - ,, +B@ @
?GA+@ @A) +B >A+- ?@ +- E@ + 4PMP : .B C$ '
< E QP 83 ,-A@ !- (!J) U@ -A ?G UA .B+,G UA .E+@ 2
@@E@ #A@ B@ @ -C+B G->C ? AD SMSS . 0 SS ;O
B + +B@ ? AD@ M +B@ -CD ? .B+ E@@ B@) +B@?
/ - -??>A +@2 AA->A @2 D@ , C@2 A CC +@2
K+ +@2 +@,, 8 +2 +-CG2 A@ 2 @+ (+- D@ C E@2
. @ A ->A+ & , - +B%& 0 - $, 0
$ S -- ' & - - $' - 0 S@ A 0 0 C 0 8SKWO(SM -D -?
? AD D +- G G B-> B@ ?D J@ -,U@ +@ B AD +- - E ?
.-D D@ @A - J@ S -?? AD@?@A) S ! *W 0
& '0 3 B + B@ >,D! B@ B ?- J@A,G2 # B @ + +@
>? + +A AD , ;LLN (W !0 QW P @+@ @ B@? " -
+ J @.@ A.) B@ @ @CC@ \ - =!N S!L- " (
&) $ " K; AD ?G ?->+B@ B ,, B@ > G JC G GA.@
=!M < ' 3 $2 - 8! ! (+ "@ @AD B
J- + , +- .@C B @ C +GA +B ;PLN .
Q)Q O2 B@ @ +GD A.@) -C ?@ .@2 B $' '&' 0 ;PLP
3 1 . ") 0 S ;L !B@ @ -C+B BG CGDD,@2 ,@+
B@ C@ + 4!=< 0 & - 0 C $" ($ ' (3 G ?->+B@
B ,, B@ @ -C+B +BG JC G @) ;) Q B 6) 8SWM=(
!O= : UA- G@ D@W+C@ A@ +- ? ?G JC -A + BB,, B@
G-> A@ ;MPQ B) KM " 7A. B@ @D
-?@ JC- + E,@ A +C> + -A 2 + . C$ - 1!"
S2 ?-D@ + ??D A J C@ +B@ ?> @ A ,- A. +C A +-
!B B@ C E@ >+ @ ;KKL 7 L &'& <;
5-C C @AD B J U@ ? G A-+ ,, D@D C@ -C ?-C@ +B A
+ +B@ +-CG B ,, E@ B- A
E +B $ -C $ A , > @) - +B -?
J @?@B+2 , - D - E--U2 C + A.2 @+ 2 1 0
$ 4LNN) & (M<< , B@> J@E-U) =NN PN $
! 5 0 MNK AD B@ ,D @)@D) J@ C+++ W B@ G \
, 4==N "$,& > !! ;= 7 @ D@A->A @ \ %B@ @ >C) D) +
& G2 @ B@ 7@ B@? D ?JAGD AD @ B@ @ B@?
+- E@ + UGA +- J@ J- @C@ - +B A , ;PNP A) ,0
8SW<-(L; "@ B@ GD B> +B + B@ ?? J-UGA :-BA
% >+B-CA SWO< 3 - +. " E& 7, \ LOL O 5C@C@
" @C-? ?@ +- EG? B@ A. B ? +B + B@ -,D + -
B E +@ SM++ 8 Q N CA KL ,-BA !? +B 2 B@ A.
?@ +B + ,, +-@ # @C 2 @C@ A @ C B A. 2 -C ?@
- - @+ -C+B2 ,,@.@ 8 A ,@. ,D- >?@A+(
+@A A J@+) -A* CG -C?>, @

E@A .A@,G2 G->C +C@ E>?E,@ @. @ +B@ %-?@A - +B
JC@ @A+ & C,@?@A+ & 0 ? .0 ==L B@ @ E@A +B@
-?J,@GA+@ - +B@ A >C,@ \ C-A.@ D-A +- E- /@C ?2
B@ @D \ D@,+>@C@D E@ +B JC@ @A+ E ,, A+- 7 ,, !B-C@2
3 +C - %->@A+C@) S $) - 1 $ 8!@,D@A !- (
:: ;K= 3 - +B>?E,G)) @A AD %-?J+ GA A+- G->C .--D
,-CD B J G->C D ,G 8)C +->C 4MKL &! ,0 C ' ' % &0 :
M= B@ &@+ -A C@ D B@ A. +B + +B@ 3C - D B J
D@A@G D +- J G +B@? +B@ C .@ 4QN< . & !
- ;;K J S- B@ E>?E,@ J@+ + -A - &@A@,-J@ &C ?2 D- 2
!B@ @+B2 B +G->C J@+ + -A@C EC@D ,@ S + CD3C AD
!@?J +C@ +
D - !+ +@2 ,,@.@2 J,@ D 8 > @2 C@ -A2
@+ (- B @ ,G A $2 @@ B 10 L E
$ 4OOP ' , 0 0 ;;L J@ C@ W>A B >+ E@- B@C @ +@C >+@
6@E@ B@ @D) ;L) ' 1 C 0 &' ,0 ;NPO J A ,
+@C B@ !U ,,@ BG ?@A ? A -C,D ,,@ %4LQ=
B ?& 0 JC + 8SKMK(;;=2 E , B@ @ J@ ?-C@
JCUU@ AD -A+ A>@` C@ ->A ;PLP 3) . "& 0SS =
"@ B , B@ @ B > @ E@ -C@ +B@ ,D@C ? +B@ +@
S MK < 6 W @ &'0 QNQ !E@@ D@ , C@D AD B@ @D
+B@ > @2 BG B@ ->,D A-+ -?@ +- +B@? A +G?@ ;P<Q
3- #35:+ , % !& 4#=P "IJ@ AD %>C .@D D
! B 7 U+,D AD J +B @ C@ ->A I>BG B + / A.@C, J +B@
DGU@ ;MOP < .. $, 0C !& 0OOL B> B @ @CG EC @,G
B- @A A-+ ? AG C@ -A 2 E>+C +B@C E- ? AG C@ -A ? G
E@ B- @A -C +-+ # C + A @C+ -A
i @ &2 !$2 +- J,@ D =6& > +-C(0
OJ%A 7;B C 0 C !0 + PL "@ J + J@U@J ?J@J-C@
%->@ +@J A-+ E .--D@ 2 0-+@ -C C ,-CD@ ,->@, @ -C
B ? B@ @J ;LQQ 1 0 0 ++ ;L= @D@ , B C@ +- ,-AD->-C
J@C@, @ G B@ @D
+ I $ &!0 7 +@,,2 D@ , C@2 @SJ->AD +- J@.U
6 C@JC@ @A+ + @ %& (+- J@ U2 +@,,2 . @ A
- 6 + &%0 7 +B AD C@ + -E* - A -C? 70
1$$! &%0 0
, 4OLN $! 0 ;L J ? E+@ J + A J + J D@ D, B
, B@ @! A B C@ @ + + - & E,, !@ >AD@ D, B J + @$D
,@AD $ $) & 0 4;<2 , G- B@ OC@^ a -
,)C@ +@ + ?@A+ ;LMO 7. C 0C !0 4=PJ@ UGA.
C@B@C @D@ J + $@ -A B@DD@ $,B+ -6 B@ @E@ @+ ;L<<]
,.0 ! LN - B@ @ B@> ,,@C, - B @ -C
J@ B +@ A #CAJ)?G +B J@ .C@+@ , ;=NN)! 0? '
8 @C @(ONP # ,U > @C A @ .-D @E@ @ +, A B
.-D J@,2 % 4=QN (! $!!$, ;;; L;< "@ B@ +B ?-
-G -@ D@ , ;PNN) ' O<P AD B-C+,G +- B@ @2 B@
?@ C@ ->A+C@D BG)EC-+B@C X)! O +C
, &E "> &"0 + S 6 ;< 8"C !@A+ +- B@ @ +B@
0 B - ->C -??A.
- D@ C@@2 CD2 .A =& J@C ?(A
,@. , -C -C? , ? AA@C +- S -C JJ- A+
>+B-C + + @,G +- D@ , C@2A>U@ A CD = $ >+0
A , +@C > @ 1 (
$ 0 X 0 &'0 8 >D 3 ! (A ;N=K2 J @ @D@
B ? ? AA A B+ .C 7 >+ - , AD@ +- C@AA@ $ X)
) & 0 OMS<M #A @U@ ? A .B A @+ @ E@ , D2 O-+
J> . + - J@ JCC !+ E@) D 2 S C + @> D J A , J->
DC >@ J-> C ->@CD +- ">@ ;LKQ 3Q
8$-,, (;OP J 7 ,, ? - +@A +G ?@ > + J J@ UGA.
5S >A-@2 A@ @C@ -D@A,() E>+ J@ D G- E >G,@ B@ @
AD .A@D EG -C@ ;PO= 0 1% &'0 83 +, AD
%,>E(; L<N B -6C+ A, A @E -C, +B +^@+ &
5 1 0 0 8;K==(B@ ->C+ CD AD B ,
-C , 2 AD + @ .@ A@ -C D-?@2 +B +^@+ a
- JC- @2 D@?-A +C +@ 8 +2 + +@?@A+(EG
C.>?@A+2 C@ -A A.2 ,,@. + -A - @ D@A @ -C
? + A @ 2 @SJ@C ?@A+2 @+
, !LLN * ,0 < " $ 2 0 L<N J + JC@>@D AD B@ @D
LJO M< 8 &'%0 OM= AD +B + ` E , E@ S@ -A JC- @
AD B@ @ 0*1& B +C ! $' > & - - 0 5C@ = 6A
,@ !@ +B@G ->,D CW+ B@ @ B +C->C@2 E@ ->,D@ A-+
B >A.@ B IS A @? ;MOM 4$ 5*& 0 # 0
8;MO<(ONN + > @+B +- B@ A> , D +G - +B@ A @C@A @
;Q<P)) $ 0 0 I 7 B + B@ A +- > EG
A +- ?G2 @ C@ *>W+ !>C@ - > - +B + B B B@ A
+- > EG .@-?@+CG SKK- 3 1 0 ' JJ :::
8@D O(LMN B A E@ B@ A A @+@A+ ,,G C-? "@EC@
+ @,
7 +B $ AD D A @ 8-C $ (
, WA++ 5C@ LN :@ > ??A D E2 ! >??
B @ B? @DD2 ! 0 & ,0 8$-,, (9 hR -D & C@
@ @D J + @ .>,+@ @ @ E@J , ;=PN .> C $!=N 0>+
-C+- B@ J + -D > C@D@ BG? J@ G ,G2 J> @A J>,,
; +@,, ;LK=)G C5) % '?S3O M= (M= @CG ,, A. ->+
?> + B @ A ++-A@?@A+ . A@ ;B @ B@ @D E?-C@
L%/U ' $ 0 ;; SS ;OQ B +B E@@A ,C@ DG
B@ L>% 0 %@ # .%)) > 3L ! C D CD
%-U@ B +B ,)C,G B- A2+B +^@+ a SKMS - . , "!)
8@D O(EC%!, ` 3%L ' & 0 7 ,U A -A B- C-? @6 A
;KQP :- 0 C!$ & 8@D O(OLK 3 AG C.>?@A+ C@ > @D
+- C - 2+B + ? -+ -A +B@ ->C @ - , @2 S+@ 7 0
' & 0 & 0< &-0 ;ON !B- +B ++ A.@A+ C) + -J- A>
-A @A+C@ C G -C? U +@
-2 7 6 -?J,@?@A+ CG -E* 5 - JC- @2 ? U@
->+ 8 J@C -A -C +B A.(+- E@ 8 -?@> A.(, -
+B @-A 2 AD A
? %J 9 # . 0 8! ! (P +B@ +C@ ?+ @A C
C C@ ->A @, + E@ ! U ?@ A @ E@> @B@? +- E@
E@A@ ;KKL $ 7 L & '& S =K 0>+ B@C@ +- ?G
A+@A+ + A-+ ? A A +B + -A @CA +- B- B ? C .B+ -C
C-A. ;K<L 7 O ' & 0 & 0< &-0 OMO B@
+>D@A+ ? G @ ,G B- + +- E@ C@ + A.,@
+B A. - E@ JC-- 2@ D@A @2 .A -C
AD + -A -
, ;LLN 0= !0 ;PQP 7 @ @ +@A B@C E->@#>@C -> '
UG B->@2 J + -> D @ @D J@ EB +@ # E@) . -A@CJ@
, +@ %;LKN 7 1% J C X1 "@C -CU@ B@ @
J 7@2 E- @ @C@ JC J@U@ GD@ %!=LN C ! 0 " %
$ & ;; S, 8 KM<(;LP O B C D)A +, G 3
E@ -AB@D@ - EC@+E@CB@D R K@ T 0 (SKS
1->?>+ A@@D@ ,@ CA)4 -C @2+- ?@AD @ > ,+ B->.B
-?@+ B+ B@ C@ +A@ @2 %->C .@2 O,--D ;MQL

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

DC->+' ;P<N !) ! $' ('A(' 6'=0 B@' ,->D@ ' @C @,G'
+B@A' E@. A'+-' B->C@' ;MKQ' ' 3 . '+C' '&>' $ (
$' ;<L' +' -A+ A>@D' B- CA.' EG' A+@C ,2 +B' .C@ +'
B>AD@C %, J 2 + ,' B ,' A B->C' +@C' S' ;K<;' 3 '
$! '$' 0 8;K<P(* ' :' B- @C@D' ,,' +@CA--A' AD' J->C@D'
B@ G' AD',->D' ,,' A .B+

/ ' -' ,,'D- A' A' ' B- @C' -C' B- @C 2 -C' ' '
B- @C' -'C A' ' # ' +@C'8@ J' +@ C (2 -C' -+B@C'
? +@C ,' +B A. ' # +@A' +B' &2 ' 0(& ' (@+
S ! ' B ') ' '8 CE (;NK' +' ? G' +@ C ' B- '
C A.' DGD' B@' .B ' DGD' B@ A U' +B' B ' @G@,GD ' ;MN;'
9 3 ' ($ (' *2 @ C@ ' C-?' B@C' @ @' D D'
B- @C' 'C&!(C & 0' $' , ' ;0 A +@ D' - 'B A.
+B@' "@ @A,G' 3 AA B' B- @C' D- A' +' +B@' / --C' - +B@ C'
E@CA ,@ ' ;Q Q' ')) ' A' C !0' $' (
4 4 4 ' QS;' B@ ' -A+ A> ,,G' B- @C D' -A' > ' ,,' +B@' G'
C-?' +B@' !@ %- +' ;KLN' ' $3 $ ' ;N / - A'
B- @C' +B@' . ?E-,, A.' +@C ,, ' 5C-?' AD@C A.'- @C' +B@'
,@ ' >? '7 ' :'<) ' &) ' "' ;PP' B@' J CU ' B- @C A.'
- ' ' ' C-?' '% +B@C A@ B@@,' ;<;N! :' ' A' ' ,' '!(
? (2' Q;= 0' B@ @' 8D> +' J C+ ,@ a' B@A' B- @C A.'
D- A' 'C A' +@AD' +-' B' +B@ -+B@C '->+' - '+B@' +? - JB@C@'

6 %%T' # ' ? ? +@C ,' +B A.

$/0%' ' ' (92' ' '=Q' +' C AD' D- A@' 5-C+>A@'
B- C A.'-A'G->C'B@ D' ;MLL' ' & ($ ' ' '9'L2
! C2 ,,' +B@' >?>, + -A ' - 'B-A->C' B- C@' D- A@' J-A
;QL ' 3' -)' &' (C0'<0 7U ' ::: 'O=<' @@
/ A@'.C @' ,'A-',-A.@C B- @C' D- A' -A' ->C' -ED>C +@'
B@ C+)' SK S : ' 7 ' ' $ "'8;KK=(=' >. 2 + ' AD'
A +EA ' B- @C'>J-A' -A@' ;<;' $' $ 'ON' !@J+' Q M
B-> AD ' - ' -A.C +>, +-CG'?@ .@ 'B @' B- @C@D'>J-A'
+B@'B JJG'J C' C-?' ,,' J C+' - '+B@' -C,D

' $' 0 -' J->C'D- A' -C'D B C.@' A' ' B- @C'
-C' B- @C ' +-' @AD'D- A' -C' J->C' ->+' A' E>ADY
A @' AD' C J D,G' # +@A' 5 ' &2 '(H&) (' ,(
L[' B ' ' ' ,' 8 CE (PO2 : ' ,' +@ C 'D-,'
>,G@' BE C@D' 4P<= : ! &*$ $' ' ' QL' AD' J'
+B@G' B- @' +B@' ->AD A.' E-DG' +B@C@' # ' J ,@' A+-A >!'
E- C A.' ->+' B ' E,--D' ;MLW ' 66)' '(<!& "'
8;KM<(4=Q&C@ >?@A-+' +E->'+-'A>?E@C' B +' B@C@G@ '!B- C@'
-C+B' A' +@ C ' MMP' ' ' $ 0 8;MQQ(=L' B@'
%,- D ' B- @C' +B@C@' -A+ A> ,,G' A' +J ,>EC ->!' ? - +>C@'
;QKK < ' ,!0' ' 0' ' 0' ;<K' ' ?' C >,->' ,.B+' -
E CD 2 B-' B- @C@D'D- A' +-A@'-A'+B@'B@ D '- '+B@' A ,D@)'
;KNQ : ' ' ,& 0 '=PK B@G' ->,D' B @' B @D'
B ?2 AD' B- @C@D' C-++@A'@..' '+' B 'B@ D' ;KLK '
<& $' =0 !B@' B--U' B@C' B@ D' B- @C'D' +B@' C JJ,@D'
C A.,@+' +-'B@C'UA@@' SKM-' 3) ..'< $,('S'MP' B@',-JD'
B- @C@D'+B@+C', I>D' JB@C@ 'D- ABJ-A'> ' S! J -X)'
( ) ' ' LL;' !>. C J,>? C@' B- @C@D EG'
C @AD '# @C' +B@' EC D@' ;KQK B ' ' .. 1 ' '' $1&$ '
& ' / -@ ' +B@' C E +C@@' B- @C' D- A' &@C >?@D' A- ' -C'
+C@ D A.

%%0' 7 +B' ? ? +@C ,'-E*' -'E@ +- ', B,G'
%4PKM 2 ' ' SSS 2 ,,' E,@ A.' G->'
-? J AG2 5C-?' B ?' A' J,@A+G' B- @C@D' SW4L' 9 '
'0' !!!('; ' 2 ML' ' B- C@' ' @, -?@'-A'G@@' @, -?@'
,,' ;0=4' 9 ' - * & 0' ' 2 '8 K-S(- @+' '&' B ,@'
C + ' B- @C' D- A' +B@+C' ,, A +>C@' >J-A' B ?' ;KLK'
.8 '< ,'SB' ';0=' B@'C-G ,' E->A+G' ' , C.@)'
B- @C@D'>J-A' B ?') ' ?' # .D@A')%&R_'+S'
;PM' B@G' "' B- @C@D' A + + -A ' >J-A2 ?@' B B2 ,' ' '
AA-+' @J+' b

' ' 4 1 & 0 -' @@J ' +-' B@D' +@ C ' , -' +-'
E@ +- ' . + ' A' E>AD A @' 1 ($ (
M/O ' &* T' 'T*)!(9' ';S`' 7 B +' + ,' A' +@ @ +'
>@C? -C@' E- C A. ' S8)' = . 'C(' 0'3 'MLQ' B" 6'
E->A+@-> ' 9 A)' B-' B- C#' 7 +B' -J -> 'E AD
! ' -' +@C' +B' -C' ' +B2 ' B- @C' +-' @+'
-J -> ,G' +B'C A' -C' ,)' +@C' A'DC-J' -C' JC G'
$' %0 +-' - @C' -C' +C@ ' +B'C A2 , -'6 %%(
$%%>' =#. 'C0' 4 ' :$;PO' 7 B@A' -D' B +B' B- CD' +B@'
@ C+B2 1 05!0 KQ< NC @C @+B@G ,->C @ @C.@+-E AD@'
B@' ,> D' U C+' - ' +B +' ?@' +C @' %,->D2 @)' +' .3 A'
D -, @' AD' B- C' +B@' C+B ' ;KS< : ' < & ' '
) ' D @ EC .B+' A' ,U 2 +B' J A.,@' B- @CD' 4K<4
' ,) "' 0' ' -' B- @C' J, A+' ' C-?' ' +@C A.'
J-+' '+-' B- @C' -A@ 'B@ D' A'E +B A.'(+-' B- @C ' -A +
' 'J>A B ?@A+' ;K<P'$ ' T' ' ' !!& &'
8;N<(' ;OK B@' .-C @' C J@D' . A +' ? G',@) , - . ' B- @CY
A.' +B@' EC- A'@ C+B' +B' E,- - ' ? ' ;<NN ' '(
& - ('MN A' +B@' ? D +' - '->C'B-+' AD'D> +G' 7 -C,D' +B
. CD@A' 9 AD ' AD'B@ @A' + @,' B- @C ' +' AD' ?A' +

"@A @' 67W-0-<'**!0' $(
4K=K 7 ' $ ' 9 . & 'C $" 'H"0 8;KP=(OP;' !+@JB@A'
JC G A.' -C' B ' ?>CD@C@C ' ? D' +B@' B- @C@D' +-A@ ' +B +'
,,' AD'EC> @'B ?

1 /-E ' C A+-' 6 ' 1M'
* L %" -<' ' E +B' A' B B' +@C' C-?'
E- @' 'J->C@D' A' ' B- @C'>J-A'+B@'J@C -A' , -'
A' JJ C +> ' @A'JC-D> A.' 'E +B' - '+B 'U AD
, -'E 0 (' -C?'- 'J>A B ?@A+' -C' -A +
) ;KNL' (6 !0 4 ' ONN ' , .B+' D@, C >? >E D@D'
' ? ?@D +@,G'-A' +B@'> @ - '+B@' B- @C'E +B' ;KSP'+C' * '
' ' (' ' +' B@G'B @' A @A+@D' '? B>@'
B B' A- ' @CG' ?>' B' A'> @' ' +' ' ,,@D ' B- @C E +B2
+' ' ,U@' ' @A+CG2--S' 4KPL' '$' 9 . $0&" ' &'
&' LN A' +B@' ? -CA A.2 +@C ' C@'C@ B A.' B- @C E +B'
>AD@C' +B@' ? ,, @@D@C2 @' B->,D@C@D' #+'C .>A ' ^@+ a' ;KP<'
'!'%--) $' &' - &' ' $ ' L' " AD' !B- @C' 0 +E '
XKMK' O ' :' ') &' ' LNL' !@ @C@' J>A6B ?@A+' ' C@'
E@ - ? A.' ? -C@' AD' ? -C@' C C@2 AD' +B@' +@CC E,@' !B- @C'
O +B ' 'A- ' @,D-?'> @D' ;K<< '!!1) > ' " 0 ('
LKN !B- @C'E +B ' A'+B@'G->A.2 B@A'+B@G@' A'E@'E-CA@2' C@'
? - +'@ ->
+-' $' %(AD'.

L & ' (& ' $ '>' ' "@' ' -> @D' +B' 'D@,>.@'
- ' +@C 2= '+BC@ +a' AD> @D' B ?' +-'C@+C@ +' A' ,,'B +@' C-A+'
+B@'C@J@+ + -A' - '+B+-' B- @C E +B' 8 B ') "'
? 0G bC V)OP E@ B C %@C- % J+ A& A+6 > > 2 B B'
@@?' '+-' B @' EC->.B+' D- A' -A' + ' C@ +-C' > B' 'E- , A.'
B- @C E +B' -C' +-CC@A+' - 'JC- @ -A ,' AD .A + -A
* N N1% %'" '"%L ' @' # ' , ,
#A@' B-' B- @ ' -C' J->C' 'D- A' E>AD A+,G2
- '

SKK' ' 8 . ' ! (' ,' (& ! ' 2 ;O<' ,ADC '
+B@' B- @C@C' - 'E@A@ + 2
! B - @C ,,' 8: > > >,(2' $0' '&', 32 0 ^ '
8 ' ; Q' &# a E- ? D A.' A' B- @C
S) '8 ! '<$ ' ' " ' 'O C@+B2' A' ' B- @C >,'
JC A.' !+ C@D' +' +B@' J +@
! B- O C > @ '8: >b C A@ (' $ 0 ^ ' 8
N ! ! a B@' + +@' - 'E@ A.' B- @CG
$ /[' ' 8 ' ' (& 31 . 0 8;KQN(: LKK +@C' ' , .B+'
B- @C A@ ' ? !$ ' ($ 0A H !!!0 LM; S > J -A'
- ' JC ,' B- @C A@
a ! B- @C >. '8 >@ I(2 1!0 1(^ ' 8 '
' i B@ + -A' - ' 8 ' * , - ' ,&', ((
+B +' B B' ' B- @C@D
;P<K H '$ G' & 0 $' & (@D' -A CD' +B'
B-J@'- ' ,-A.' >C A @' c7@ A@>@C' +B AU@' - ' -C+>A@' C- AY
A.2 0>+' B .B' B-A-C 'J, A+' ' 'J@CD>C A @' E D' JC-? @D'
-A+ A> ,,' B- CA.' SMP' B 6)' (8;KLM(' 'OK'
B@' D@ A.' AD' B- @AA.' - ' " ?' +B +' @ @CG' ? - ?@A+'
+@C@+B'B ' A@G CD' SKMK =) ' - !' $ '&-@+'
7 U ' 8;<;O(4Q;' U@' 'C- @' EC' +B@' ->A+ A' B- @' B- @C2
A ' @' A@ C

+ 1 +/' , , ' ' K $ M ' '1'* 9 ' ; .
' B +' @AD 'D- A' A' -C' ' A' B- @C
L% 0' ' B . ' '0 & ' 0 8;ML=(MN' & (4 A+ JJ@2' +B +'
+B>>DC A. B->C A.8)@@A - 'BC@ ' , 9$&'N0)'N &'>'
& & '8;KPP(;0' 7 +B' D' B- C A.' @G@ 2 %CG' +-' +BG' -D'
SM)' 7 -$ - ' " 0 ,(SMM ' +B@' !JC A.' E@' ? ,D2
@D ? 2 >D' !E- C A.2 +B@A' ' +..-D' -C' ! C? ' ;K<K 7 '
5 'C& - ')@6' ' -+' ? A@' +B@' C B' AD' B- @C A.'
B AD2 +B +' +C@ ' B@' ,@', C.@ ' - ' ' +?+@ ' 3> @

/ B +' ,, ' A' -C' ' A' ' B- @C' -C' B- @C
L% ' ; '8 ' '87 +@C &(' $ 2 0 &2 3?& !
7 B@A' B- CA.' B G,@ B-+ ' -C' E,> +@C A.' > + %->,D'
, -,D@' ?@' E ,@' S\G' ' $ $ - > ' * ' S+ 2
!B@' 7 ' E-CA@' +- CD ' +B@' B- @C A.' 8+ ?@' OG'+B@' ,D'
@ ' B@ J@D' +>? >,+>-> ,G' SKSK + ! ' ") $' ' ' SS 2
! @@+' +B@' A+ .@2 B@A' +B@' B- @C A.' .C J@ ' A' O Y
B A ,' JC- > -A' C@@,' +-' @ C+B' 4KM-' J " ' $ 0 & '
2 5-C' ,,' +B@' B- @C A.' +@ C ' +B +' - U' B 'J J@C'
"@A @' ! B- @C 9 G' "
S S) ' = ' 9 ' E $' $' MO j' 5->A+ A@' '->+' - '
B B '+B@' +@C' ?@' - ' B- C A.,G) ' 'm@+ a'
! U - @C,@ 2' ' ' 8 ' ' B'
! ! a 7 +B->+' ' B- @C -C' B- @C
4Q== 7 'C ($! ' OPQ ! C@' A' '
B-),@ ' D G' +B@' B@ @A' AD>,.@' #>C' ?@,+ A.' , ?@'
SK-S)7 ' ((& &) "' 8;K<P(LPQ2 ;' 7 ,' E@'
!) C@?@' 0@G' - '+B +' B- @C,@ 'D +C +
! B- @) '8 > C (2 ' ^ ' 8 ' " V
' $?BS.' A' B- @C ' E) AD A.' 7 +B' -C' B C Y
+@C X@D' EG' @I>@A+' B- @C' - 'C A2
S.-+' 3 ..' *0' 0(!& O ' $ (+-'DC X,@2+-'E@' B- CG2
;MKM ' "! $'e P=K A' !B- CG'!@ -A' ;MP' ' .
& '& (! B@ C@B@C@- ' @CG E@ @CG' ;QQL '
% ' &"0 A' 4 ' 8;QQQ(' 'LSQ' # A' +B@' OLD C - @CG' @ +B@C'
;KP=' 8 ' ' ' (& 31 . 0 8S!G-(' :=N' +' -A+ A>@D'
B- @CG' ,'D G2 S) ' " ' - ' "' (' $,' ') Q
$! $' ' ;QL' B@' @ +B@C2 B D'E@@A2 '+B@G' G' A'+B@' @ +'
- ' ! -+, AD2 'E- @CG' AD'C A' 3 7@@ ' B ,@
6 %%(@ C >,
;K=Q P+VN ' C ' , ' %-A ,' LL' !B@' S+' ' B- @CG'
. , > @'>J-A' B@C' >A+
' % > A.' -C' JC-D>D>.' B- @C ' EC + .J.'
B- @C ' ! D' - ' ' ,->D2' -) (-A +@,, + -A2' @+
'9 8) ' ' 'S' <N< U@' +B@' !+-C?' +B@ + ,@ '
&C-?' 7,@ + CD2 B@A'+B@' !B- 'CG'9 D ' C @' %]%' 6 '
' : ' (D' (& 1.0 'ONN B@' B- @CG' ,->D '
+B +B >A+' 'B6B@->A+CG ' S) ' $' . ' $) !!) 'SS 'O
' WA-+' B- @CG' ->+B2 A-C' CG' @ +@C
' &@C+ A A.' +-2' JC-D> @D' EG' -C' C@ @ ?E, A.' '
B- @C' -C,- @C
;MKQ= . "C((: $QP<' AU>D' +B' J>C@' ?E@C2 AD'
-,->C' - '+B@' B- C@' C ' ;QK<' 3 7 ' $' ' 'QN'
OC .B+' +' -,,@ +' +B@' O@ ? 2 B B2 +C@ ?E, A.' ,,2 O U'
C-?'+B@'8!-D2' ' E- CG O D A @' ,,' ;QN;' 8/- J $
:$!N<' B@' @ !, +@C' C' +J@' B- G' JC G' ;KLL'
& & 3 $ ' ' / @ D' +B' B- @CG' DC-J 2 6 J '
,-?E' +B@' B D- G' J A@' E- @' +B@' - A@' -J @' ;KPL'
' 7 ' ' . 'C& - ' ' (0 &,0 QK B@' @, ?@'
->A+'B@C' ,) @' ,,' 7 +B' B- @CG' >A, .B+'C>AA A.'- @C
' ' 5 ,, A.' B' B- @C
f L &QK' 6' $ ' ' ') - - ' S2 I> C > ' - ,D ! +Y
+@C A.' @ @CG' B@C@' B@' B- @CG'C A
! B- >,2 C A+- ' 6X.'
i ' ! B - 7 ,+,,) 2' % ' YH' 8' ' i
LE*Q' '; G ,(E< 4+' =67W 4+
2 L% J' 1 ' $. ' ' ' &) ' 'L2 ,,' B- >,,G'. C'
A B+' +B' @>@C , B@ D' @+E@C
! B- ' ' 8! " - ') 2,a
' ., ' @' -C'@SB E + A.' ,> E,@'-C'D@, +@'
.-FD
& ' 0' < $0 -G' =PQ= =' , X E@+B' 3 @ B A D D '
@,-A -> ,G' EC@ U' -J@A' @ @C ,' - U' - '&C @C 2 &C@ '
B- @ 2 AD' -+B@C' J, @ ' 4QLL' $ ' .!"(" ' !(
O=' - 'L O ! -?@'$->@' CCG D' G' !B@ , 'C-?'
+B@'!B-J'- ' ' -,D ? +B 2' ? '&, +@'+-'+B@ ,>@' - ' ;P '
XK =' 4 '=;KN) A @ + -6@C ' B- @ ' Z90
$ $!(' ' -$ (5 1 (' 4' L' B@G' C@' @ J@ ,G'
D J+@D' -C' B- . @ ' B@C@') @+G' AD'JC-+@ + -A' C-?'
D> +' C@'@ I>+
O ' . ' A' B B' -?@+B A.' ' @@A ' '? CC-C'
'A ! . ' ? A-C
A' #- + ' !>JJ,' KW' A') "' (
! ++- 'B-> @ ' H 8' ;Fa V'
+' ' ' B-J'-C' -+B@C'E> ,D A.' A' B B' C@' C@'
D J, G@D'
;! Q A' &'($!$ ' 8% ?D@A(4NQ ,,' J@C -A ' B A.'
B@ @E-> @ ' -C' J UB-> @ ' SM--' A' $' (&"(6 '
&,(8;<NO(4 C' LP - 3 @C B A+' D @A+>C@C'
U@@J@'-J@A' B-JJ@'-C' B@ B-> @ ' 2' ' ;' '

/ ' 'B-> @' -A J >->' AD' @,@EC +@D' -C' C B Y
+@ +>C ,' E@ >+G2 J,@AD D' >CA +>C@2 -C' +B@' , U@ '
@ J' -A@' - @C' B B' +B@' J>E, ' C@' +' @C+ A' + ?@ '
D ? ++@D' +-' E@' B- A
(M 5$' 6)') - 0 % ' 'SS , ' '
@@ A.' B +' ' ,,@D' '!!B@ E-> @2] U@@J A.' J @2
B@+B@C' L -> ,' -C'A-+2 +BC->.B' ,,' +B@'C--? 2 +B' A-+B@C'
J C+G' ('3 ' ')) ' ") '$' ' ' 2 5 C @ ' '
A-+' ' .C AD' B-> @2 -C' ' B- 'B-> @

1 2 8) ,# - ' ^ ' 8 ' 'N". 'O a A'
' B- G' ? AA@C' +B' D J, G
;QK<' = '& -XX'"&) - 0' $' , ' ' OKM C JJ@D' B- ,G'
A' C -> ' -,->C ' SKKW '? & 'S 2 " ' . CY
?@A+ 2 -' C -> ' -,->C 2 AD' B- ,G'D J- @D2 @C@' A-A@'
- ' +B@' A@ @ +' OKQN ! ' ' ' C&' $ ' 'O0 7 ,D'
G->A.' % A+ E 2 ?,->A+@D' B- ,G' C-?' 6 @CG + E,@
! 1 8J- A) (' ^ ' 8 '$('" V'
B@' I> , +G' - 'E@ A.' B- G
;KSL' 5$ - ' 'SK : A' LP O B@' E@ A@ ' - ' +B@ C' ^+B@'
-,D @C a' JC- @ -A' ((M .)7 ' $ - (' $' 0 JJ'
L;' 7 B B'. @' ' U,G' AD' B@ + ' B@ A@' ' +-' +B@' , ++@C'
B ,' - '+B@' , +' @A+>CG' ;KM<4 1B 7 ' 3 $ 0 $ 0 & '
S ,' A+C-D' 'O=N B@C@' ' ?> B' B- A@ 2 AD' ? G' E@'
- ? @' -, D +G' A' +B@' > ..@ + -A
' 1 8:b ((2 1!0 10 ^ ' 8' 'N" ' '
A' # ' , $2) ' (,!$2 ' D]
%$ B@' + -A' - ' D J, G A . 2 @SB E + A . 2 ? A Y
@ + A . 2 @+ ' +B@' +' # ' E@ A.' D J, G@D2 @+ '
+B' * 0(A' A + A @' - '+B
)<PN' ' %0' <& *0 3 CU'S '=N 6 AD@C' @ >A.',-A.@ '
.@B) D@ ')1'&1 ') * &!5$ '& $ &']($'4LNN) & ' 0
OM;;N ! C +@ ' -J A' B@> A.' N EC@ + > >,, ' ? D' E@ -C
E@'JC@ +' ' ;LOP 0' & '0 O< # ' +B ' -J@A, ' B >A.'
" > ' -DD' B @D' ? AG' + U A.' ;POM'CE 0 C (87 '
D@' 7 ' ;PL;(' OP OG' +B@' - +@A G-A' -C' B@ GA.@' - '.C @' ;PMK
< 6 ' &' (HH(OOP B@C@' @C@.C@ +'@?EC GA.@ ' AD'
E@ GA.@ '- C@AD B J'-A' E-+B GD@ ' ;QN<' ' &!! , (
S) 3 C '8# " ! (' ' ;QM 3C' E>GD ' ? D@' B +' B@' ->,D' EG'
!B@ A. ' ;QMP' $:0 & - 0 C &' ' ' 7 B@A'G->' -E @C @'
+B@' B@A' +-' @@J' B@C' + ,'+-' +B@' - U ' B B' '+@C ? @D' B@ Y
A. ' ;KLQ ' (' (: : : ' ; 2 A' -A@' - ' +B- @'
B , A.' AD' B- A. '- 'A@ ' C-A+'
+-' ' +B' D 2 ' &2 ' '&%%(
;) =' ' A'C &,(N&&!0 &,(=Q;' #A' +B @' B- A.'- "
- ' +B@' > +C , A' 0> + CD
+' &' -$.' &2 ' '&%H' +-' @SB E +2 D J, G2
C@ @ , ' +-' +@,,' - 2 D@ % E@2 C@, +@' 1 (
$5"&$') & ' ('0 ` ' E C' , 'B@ @> A.' ? U@' - 'B '
? +C) ' ;LLN 0' =' ! (QMOM # ' B- ? 'G' ? D@' E -C@'
B@ @ A.' ;=QQ & 0 ' ? .0 =O0 -' ? U@' ,@C@' B@ '
F.'- '+B@' ?@'E@ -C@' @C+@A' >C@ '%->A @,,->C
' / ' . B+2 J@ + ,@' 1 (
'<Q4'?! , .!0' & '0 ;KQ @C-A 'E@ D' @ ,']WS ' -,' -?@
+-'J @' @ >A. ' ' ;=)N ? '=OM B@' ?@GC@' AD' ,DC@'
? 0A ,@+@ ? U@' ? AG D >@C @' B@ GA.,' AD' .E+
' ' ' ' ! ' $2 ('D>+G' -C' +-,,' J G E,@' -C'
+B@'C .B+' - 'D J, G A.' . - -D' -C' ,@'f' '& ' &0
A' J>C -> ' B C+@C' - ' D CD' +B@' %-A @ -C' AD' 7 6'
a ?' ' @@9@ ? E,@%-)' * !('O;L20;P2 B-CJ@' * & - 0
!"b# ' '
44K[' $ ' (' A' 2' C$!$ & (&,(' 8;<NL(
J 'O-8X(%>?' '@+' - @+' ? U@AA A.@' @+' @ A.@'
;K ' ' ' $') &' A' ' '(' &'$ 0 8$-,, (' 'O=Q
=E@C O+3') '-?A' ! -+-@+'@@,D-' @+' + ,, . -2 B@ A.@2
? B@AA A.@' ;LKQ #' ' '8$-,, (' '<P' ! B@ '
GA.@2 @++GA.@' -(V-' ? C B >AD @
! ' 3 AA@C' - 'J>++ A.' ' @' A' JBC @' &"
&2 ' H ' '+B@' + 'E@' ' +B> 'C@JC@ @A+@D(2 &"
&' >'&2 " &2 ' (@+
^;=NK 0) ' ' - ! (8 3 ! ' / .EG' OLL(' ';KL'E 0'
+@C' G @' ?@? ' B@ GA. a' ;KPQ= ..'C&!(' ,&' (A'S '
e'Q8@D')';; QN 8'A' +B ' B- ,G2+B@'A-+@ ' +' ,@ +' 'JC +@'
E AU ' C@' A-+' ? -A@G' SKMK - ' & - (&' 0 ' S2
-0 B@'C@ -,+' ->, 'A-+'E@'*> + @D' -A' AG' B- C A.'; KM<'
" 32! 2 B ' 'JC- @D'@ @A'EG'G->C'- A' B- A. ' ;KKL'
$ ' , (<)$ 0 ;Q' # + '* O' B@' +@J' B B' +B@' 6A +@D'
9 A.) ?' ,, A @' A+ '& C, ?@A+'+-' + U@' ' -A'+B@C'- A'
B- A.' ' ? - ?@A+->'-A@
. ' ' + +@'?@A' &' JC@ @A+ + -A' - ' .>C@ 2 Y
->A+ 2 -C' +B@' ,U@' %B @ ,G'
SKMK *0 E0 (' & - - & ' ' ,(8) (' !' B ' ' '
@CG'?@ .@C' B- A.2 E>+' A'@SJ-C+' - '+@A' + ?@ '+B@' ?->A+'
->,D' E@' -C @' ;KQQ)' $ (' '#' ' ' +'
=PL' @'B @' E@@A' >A E,@'+-' -E+ A' AG'D + ' A. G ' ?@ '
' ,- A. ' -' -C E,@2 X-- ' - 0 <$0 0 L;' :>,G' - S #A'
+B@' B C@' +' 'A-+' +' ,,' ' ! D') OE- > .)(3' B C@B-,D@C'
A@@D'A-+' D.@+
M ' ! (0 A' JJ@ C A @' -C'D J, G' - ' ' J@ @D'
U AD' &BC @ ' &' - $. '$'8. - - D' - C' &2 ' 0
;K<N A' @ A. @, ' E*!$' ' &&' ' ' =P< 8 B@' .C@GY
B->AD (? D@' ' @CG' -CCG' B- A. ' A' +B@' J>E, ' -A+@ + '
4<N4 0 - 0 (5@E'O=N U@' ,, - @C 2 ' A'
+@A @,G' A+@C@ +@D' +' A' +B@' B- A.' ? D@' EG' +B@' D @C@A+'
-C @
2 ' #>+ CD' JJ@ C A @' ^% $ ' &2 ' (+'
JJ@ C A @' -C' @@? A.'J@C > @A@' '8- ' J@@ B(
L=N " '1(LM "> AA@' E@+' B '8 -?' AD' A@ a' EG@ V -'
> C@' @ GA.@' ,'4=--' &%-' & '=N=;' B A2 ,' E D' A'
B@ A.2 A--A' WJ U /C@@D2 ,';=; ')7 ' 0 ' ' "(
L<;Q 8 JJ,@ a' / @,G+ E,@' A' !E@ GA.2 O>+' -AD@C E ++@C A'
+ 'GA.' ' ;=QN KP' : !') 'S ' ,'QOK B@' !>@B@'
->+ CD' ? D@'A-+ A@C-' -C- @' A' B@ GA.@' ;<)' $ '
: . . 7 ' $ &' ' ; ' 7 B-' B +B' D@ C@D ' '!@ ' A' A-'
B- A.'+E@ ?@] E+ !@ ' AD' +B@ ?@' A@ +B@ B' B- A.
O ' ! - ?@+B A.' +B +' ' B- A' -C' JJ@ C ' ' ? AY
@ + + -A2 C@ @, +-A8) (' ' .A' -C+-U@A ' 'DC@ ?'
-C' -A2 ?&1.'&%' $2 - =M +B@' J- ,GJ @
$' ;KKP ' , (0OMK @' ,@ @' @ A@ 2 \' \ , @' @E@ > '
A.@ ' $' ") L%!) &' ' (;NQNQ J +'E@' >,D' ,' @> A.'
>2 J +'E ' ? -.B+' + >?' + UAGA.' UA >'%)> +'E ' >,D'
D- ' 1) &" ' 5 3 V-U' -' +)@> A.'J@C' @' C +' P u&++'
& ' (L=N[' E- ' B ' ' E@) A.@2 C'UGA.@2' + UI'
)' 2

[illegible]

[illegible]

[illegible]

6, @A D +- BC@ D - 2 B B2 B@A B@ B +B . @A , C.@ ?@ - ? ,U2 >?@+B + D- A +B B@C B@ LP=M (!M C & T ($8;KML(#D @AD+B +B@ BC@ D -- B-C+ B- ?@ ;P=Q !N + , M " C !& F 2 +- BC@ D@ B-C @ E@,-A.@+B B CJ@ ECGD, - ->.B+@ BC@ D@ G @ +- E@ B CJ@,G B AD@,@D MNQ : 9 " $&$!(' 0 T B@ JC + @- -?@ " @?@A ++@ BC@ D % + +- &- ,@2 +B B@C B@ D@ AD @@+@ + , E@C+ @2 AD !- +BC> + A. + AD@C +B@ B-C @ E@ G@2 +# ? U@ B@C , @ B ? ;) F ! && . G % LS< ^ B@Ga +- . @+B@C + OG +B@ BC@ D 3 >A UG2 O E A2 AD +B@ J@

+ / # ? +@C ,+B A. ? , (3 7 @C

-> 2 B>C+ >, D A. @C-> 2 A*>C -> 0

, ;LKN) - 1(==L; A S@ B D B@) A A B-AD@2 BC@ @D@C@ @J@A@ +-C +- -AD@ 7 A@>@C@ AJA G ->AD@ $J > 3 8$-,, (: LLP 7 @ E C@) +A) -) '&, ' - & H ;L<K] ? $ 0 [L CT 6 0 SS 8O -D, 3 ! (2 0, GA@ - ? @B - BC@ @D AD -CC>J+ B> ? ->C ;L)< 7 . , 0 ! A+ ON J-C> E> ! B AD EC- ?@ J E@ +@ !@ B@+E AD @C B@+ J - BC@ @D -C ?@ O&++ = B) 3 8;KLN(2 =M +C-A. % -A+C@@ -C + E +B@ ? AG@ BC@ @D@ " @A@ 2 E@ > @ - +B@ .C@+@ $- B@ 2 , ;=PN &1" ' < $ ' " 8%B " D ? $!! " B@C@ ? BC@ D@ C @ ->+ - E@ @ E #") - 3 . . L; E2 B@G G,, ,@@ +B@G ? +B BC@ @D UAG @ B + +B +B@ @> ,, AD >C @D +-A. @ $/OJ , 0 !" + P< - , + BC@ D !+@@,@ . A + ->C -,D@A %C- A@ D-G 0 - ? 0 $& ' 1 $ $ ' 8 CE (;KL A A+ BC# D +B A. ? A #C B CD2 -C . CD@A2 SD X - 0 SG 8;M=N(4=K B@ O> - 0 EG, -A2 +B@ BC@ D@ + O> -) 2 A +@A) C+ 2 A J C +> ,, J@C @ >+ -A

+B A. 8 B @ ,G ? ? +@C ,(# @ , A +>C@2 B C +@C2 -C A ,>@A @ 6 @-AD + -A@D2 E D2 ,@ 1 (

4L \ 7 5) . P ! BC@ D@ +E A., $ $] B>,@A E@ A +- DC@ D +B A. 6 9 0 & ;; 8!U@ +(QL $ .B+ - B@ BC@ @2 -A B- ?) C@>D@ +B A. @ AD E DD@ B A ? - + @C B A. @ , ;=NN ? "$ OM;L B@G B @ > +- ? 2 BC@ D -C +B@ A-AG \ 1 m@+ _ , $&>+ ' $!$, B <= + +B BC@ @D +B- @AG ? @ +- ,@ D 4P+L B7. ' $;; 2 PQ B@ @DD C2 +B BC@ + B@CE @D ;PS< ' !0 &) ! - 0 8@D &-,, CD(=LK B->.B E@ ,-U@ A@ @C - @,,2 : JC- EG - G-> B@ B +B BC@ D@ ?@,,2 .S)+ ?&" LKL B@ .--D G @ GD2 @C B + +B->-@ A -C@ GD J +BGAUG ?@ ;M== = . & 0 D B@C@ C@ BC@ D E -U 2 +B D A. @C-> 5C-A+ J @ @+ +- ,@ ;M<K A $) $! C$* 84KKP(;=N " 3 *6 D D B) ,G .A G B D J,@ >C@ . A + ! C 7 ,, ? -+ 3 E@C] B@ BC@>D @ @ + B@C@- E@ B A @ + +@D

_ E # C@J>+ + -A2 -J A -A2 ? @ A A. ,2

E D2 >A ->C E,@ 1 T

OJ & B $ - ;M;N2 1 .C >A+@ G- B + G@ B , B >@ BC@ D@ ?@ AD UUGD ,-- 2 X G A 5C->D@ 0 ' 0 8;KK;(PLL '& " ! - ?@ - 3 +@C / @ A B +B UA- A ,-A. + ?@2 B +B E D B) D A ?@ O %/ 1 $)) &- - & T - E@ ,, C@J-C+@D - +- B >@ BC@ D@ A ?@ X@J! *% 0 " LLL !B@@ @A C. @+B B@C ? C+B - CC@2 +B + +B@C@ BC@ D -A +C> + -A ? D@ - B@C SM 9 . . !!$ K 3 AG ? @A) >@ . - -D +B A. BC@ D AB JJ @2 AD C-A. A ?@ ;MM= " = * &!& " =<4 B + J C + A-+ - -D2 E>+ A - ?@ BC@>D @A @ -C -+B@C +B@ J C + - A+ BC +

N &--C2 >A + +-CG2 1 0

(;=LM C <) !0 C ! 0 O;SOM B- B + 3 D BC@ D@ ? C B >ADG @ ;=QN) P = .) S SS LQP B@C@ BC@ D@ B@CE@C- @2 ,-D. @ B@C@ G@ 6 2 -C ,@ A-+ ,-D. @ +B@C@ 4PLP) & 0 " [Q B@G ,, ? U@ BC@ D@ ? C B >ADG @ -C) +! ! " ;=M 8&-,, CD(" @ +B + B->,D ?@D +B ?D B ,, B @ BC@ D@ C@ + 8 $/%[1 $)) T & '$ - $!' ' 00T +- >JJ@ +B -C- AD BC@ D@ C- +) PKM) ,$ $ 8!- ? ?@C(OM E2 B@ " @,-+ ->,D B >@ . >@A BC@ D @, - ?@ +- +B@ ^ ? D A. C D A K ; 3 L !! & . G 0 0 < % 8;KQM(K 1 -> ? .B+ B > +--U@ E@++@C E@@D@2 AD + G->C - A@ >,+2 $C@ + - BC-D@ J, +@C -C .C@@A@ ->AD ;MSM $ d ' $)) 8@D OC--U@(<<N O G DG C2 G-> B >@ B D BC->D ->?@G - +

i D A E D JBG , -AD + -A 8+B@ JC@ @ ?@ A A. CG A. +B +B@ JJ, + -A(A E D -CD@C > . ,G +-> .B 1 (

%;=LN CE 0 " $ ' & , SS 8 KMN(;OL2 L A +B . - -D GA+>C@ @A-GA+@ BC@ @D@ B@@, +B + CG@+B ;P M . $ ' "%0 8 I I ! (; ;PP 7 +B BC@ D@ @) ! - $ &(;PQ; < .) 7 $! '&' C (S +++ D BC@ D UA-+ ?> + B >@ BC@ D @D. @ - $!& '& &D) 'T) - - $!) - ,) ') - H0)P<L ! & G 0 5+ < % 8;KQM(L= B@ G->A. +C@@ ,, +->J2 B@A +B@ -,D BC@ 3 AA-+ E@AD

+ ! # @ @A+ 2 C 2 -AD + -A Q 5 ? >) + -C ++@AD@D +B @ , -C ? -C+>A@ B) \ *>C + ? -C D A. @C-> -A @ I >@A @ @S + -A 2 CU - ?@2 B CD 8- + U(D >,+2 D A. @C-> 1 0

$0 ;PNK !+ / $ / O) ! & & 8 7 D@ 7 (O *2 + BC@ D +- , J@ +B A U@D @CD@ O/OJ B7. S S M= B@ @ C >,, J ? @A +B@C- JC-A- + +@ ! BC@ + B A +- E@+GD@ $/J$ -) - 0) * &' ' $, * 7 U 8;PQ (Q< B- @ B- ,G +B@C @C@ A BC@>D > @2 B B -AY + A> A. A,-A. J@A>C @2 A+ ,@ +@ ++B@GCD@J C+ J . 2 B , @ J@AA @ O/%J" J - L 0 0 ;<LM L2 D> @ +B@@ E@Y C@ - +B@ C@2 + BC@ D ? ++@C +- E> ? @ ;P<P 6& ' ;= B - ,@2 BC@ 3 A@ @ ;MSL - B

+ A ? @A+2 AD C @,G A + @A+ @ D ,@ 2 A - +B !B U@C ^ . >@a SM L : & - 1! A B2 OG C DG)) C@ D E> A@ 2 AD D A. @C-> XM Q - (SS + 8;M=N(OOO B@ 9 A. 2 +B + - ? @ +@C . @) &C@D@ @ ->C2 B +B BC@ D E>C+B@A >J-A B ? S + $- 7 1 C = ' ? I L2 ! C2 '+ ! BC@ D +) @ SK S J (8 0 0($ " < 0 ? 0 4 ? B@ + ? @ C@ BC@ D2 ? G +C@ >C@ J@A % 0 !" * $ * 8% ? D@A(S-K 7 @@ @C@ B@C@ +B + %B@C @,, E@ @EC- - @ J . @ +- BG O ,, A. +A C++) PLM

0 C$* ' 0 6 0 LPP2 JC- ? @ G-> ? A BC-GD @2 -A@,@ +B@ 9 A. @ B .B@ 3 *@ + D- @@ C@DC) @ ? > B@ > @ ;PLK ' !$ ' H0 Q< 1 +B@) ? ACG - A.,-AD @C@ A-+2 A +G ?@ - CC@ @ B-,D E@ A @EC-D@ @ ;PQL 8 ' 3 31.0 8% ? D@A(X B ,A.>, + A JA+,- -JB , U@ +- .C- +- BC-D@ ? ++@C2

. 2) - 5 ? E @ -> -C ? , -> + =$,) + E J @ @- ? -C+>A@2 A D@A+ =*1 0

;=M= C$ & ' ' (<< 5@E 2 " @ -,D D- / @E@AB ? BC@ D +>CA@ AD B@ ->D S) . 7 Q;O O2; JC- -U@ B ? +- D- EC@>D@ +->CA@ ;PMW 1 $)) &(' &) ') % ' % (+- B >@ BC@ D@ +>CA) ;P<L C$ & ' $ & , 8;KQM(QM D- . . @ D-+B +B + C@J+ A+- B-,@2 B > A. D-A@ BC->D@ +> ? @ SMX .) ((< B@G C@ @A+ +- +B@ B- -,@ +- U@@J@ +B@ ? C- ? D A. @C2 A * BC@ D +>CA@ ;M=L / 7 $$ - $ ' ' OKL B@ A>C @ @ @ ++@AD +B@ @@E,@ A A+2 -C @ C@ - BC@ D +>CA@ SMM- # .) , 0) 1 0) C>,@ P e L B@G A D-@ . --D +>CA@ -C BC@ D ;QNL ' !0 & * $) ON= -@A@ ? G - D@ J E,@ E>+ - ? @ + ? @ -C -+B@C B@ ? G D- E-DG BC@ D +>CA ;QL= - - ($ $! 8;K=N(O; ; B + +- A - @D > BC@ D +>CA -C B A. B AD,@D +B@ ? - C @,G

1 A A+@A @2 I> , G A. -CD D@A-+ A. - ? @+B A. A + @, E D2 CU - ?@2 -C >AD@ C E,@ C @ -> 2 @C -> 2 -C@ H

% - A*>CG2 ,- 2 D @ @2 @+ 1 0

;) Q 3 ' 8$-,, (LPQ JM@ @ @, E + B ++@) > 2 E + BC@ @D @ @, ;=M4 C$ & ' 0 = B@+ BC@ D C@ ,@ +- CD A +B > -+C@ ;P=L X) . . ? $ - 0 C&* 0 ; ;LO E2 " @ . >@ BC@ D B@ U@ +- GV A ? @ !>C E,@ JC @ S J &! - $ ' C 0 =OM BC@ D ,- @2 EG ? G +B2 C [P<L A ' 0 T ;; =; " > ? C@G2 6 >U@ - ,- +@C2 C @ E ? @, @2 B + E @) - BC@ D ? G ? @ SM-M 1 < ' (E . OP : B @ E@@A E A+@D 2 +B BC@ D @ @C SM-- A &>C B C ! - 8;MOP(;QL= ! - ? @ +BC@@ -C ->C@ D G@ +@C B@C2 ? @ A +B@ ! ,,- 2 AD B D BC@ D ,@ U@ SM M O # $*! 8 2 A+@CA QL # 2 E>+ +B@ J--C@ ? A B D . -+ BC@ D ? B A @2 -A@ D G ;M) 5 - S) OG S ==K 7 ->AD ,- @D >J2 B@C@ J @ @ - +B@ @ A G@+ >AB@ ,@D2) ,, > @ BC@ D ? J- +B> ? @ ;Q;L K ; 9 . , 0 C& - ;KN 3 @@+) +B E C@ 'D ? B A @ S&S" ! #CC $ ' & 4SS 2 B + BC@ D,- 8K 4=KL !" C$* 8% ? D@A(4;O " G++ -,, E@ BC-D@ ,- @ MSN ' . .) & ') G ? (==; 7 +B EC- D@ A@ @ + --A@ C@D->E,@D2 A-+ A @C@D MS - .) & . $ % = $ 0 0 C $ 000 P !. _T B >U@ ^% -> . B AD J + a C$ (!B@@ B BC- D@ C@ B2 @@ +B) S8) L) 6) C!" - &) C !$ ' (8;KPM(;PN " +B@C > @C@D BC- D 8 B@%U

E - +@ ? J+ + -A 1 0

X) S $ &10 % !) ' (, A " X, & ! " , , , O<Q : UA- +B-> B ,+ E@ - @C'D 7 @ ,+B2 7 B B BC@ D @A+ @ ? @A+ A D A+ ;9 5> +! $ C $? S 2 =LQ BC->D E + +- +@ ? J+ B B>A. CG ->,D +- C ,@D. @ M) 9 & " $ M; B@G @C@ >AD@C BC@ D @ ? J+ + -A - +B AU A. @CG ? @ A,G - +B@ O E,@ + @,

+ F> , G A. A .@A+ A->A 1 (

4PQM - . 7 C$ ' &* !0 * 0 ;Q; - $ 0T A+-C-> A@ @ BC@ D B AD@C@C - @A+@CJC @ ;P<; L ' (T ;OL B@ @ - ? @A C@ BC@ D +@ ? J+@C +B +B@ C +- A. >@ T0

) D T " CD +- E@ + -AA D E,@ $

SK S 8 $ ' & S 2 A- BC@ D ,U@C2 +B AU +- -A + A+ JC + @ T +) @ . >@ A+@A @ 0 $;M=L 7 8 7 S ' $ " 2 $ 0 " @ +BC@ + @ + @, @) !&) (O G 'C , DG2 BC@ D A AG ;

2 # J@C -A AD +B@ C + -A * ! @ @C@2 B C B2 +@ ? 1 (

;LKQ $ +!) 8&-,, (LQ< %>C@ ? @A E@@E BC@ @D AD A. CG J- +- B@ ? @, 2 E>+ A -DD@ @C> >A+@ E@G ,@G@ A@>@C@ A- E-AD2 , $&>+ ' $!!$, S ;=O= B@ J+ A@ +B A BC@ @D A >@C B ? . $ S KM) ,$ $. S 2 ! B@ E A. E CJ @+ J-A +B@ > ? ,, A. - BC@ D@ - @ A - @C ,--U A. &B ,- ,@ SM-- ' . .) " S4 , SSS MP= B@ E CD AD BC@ D D@ ,Y A. - ? A ->A+C @ S) . .) ' (;LW B@ / B-J . @ B ? > B BC@ 'D C@ ? @ ? EC A @2 J ? +,*C +B -CD 2 AD J C+,G +B B C- @C W+ @b W ! @ @C@2 B CJ2 B CD2 # E,- 2 ->AD $, (

?& O L " ' $ 8 CE (LQ B@G . >@A BG ? ? AG BC@ D@ +C-U@2 $;PNM ?) P<L B B ,E@ E- BC@ D@ + E- @+ E + @>@C +B- G- G + P<M) 7 > " 8;KQ<(? " @@ ^+B@ D@ ,a ,, . , >@ E) >D ->AD +B B +-A. >@2 4P<Q "A ' 0 T ;; OOK 3 @ +B-> . B+ B@@ - $ AC@ D +BC> + + G->C O@,,G ;M=Q .)) (10 ; L< 3 AG2 @C@ DC- A@D2 -C -C @D -A , ? C@ +B BC@ D A>C+ 2 AD EC> @ 2 $;QSL . 8) 0 8;Q;=(OLQ " @ +C> U B@C +B +B@ !+ U2 BC@ D O,- - @C +B@ OC@ !+ L > I = . &! $ 8;KKM(") E BC@ D +BC> + 2 +B@ . B A. C@2 +B B B +B@ B +@D -,+ C@ J> B@D -A B -CU - C> B A. +B@ A ? -> K) , & % ,$ S 8@D L(OL= # A@ -C 8 - . -+ - ? @ BC@ D UA- U

/ # -A , + -C @ -C+ 1 0

;PQM - . 7 C$ ' * * !(* (=L - E D@ -+B@C E ++@C ? +@ AD BC@ D@ U C ? B@ 4 . D>@C + @ ;MLN 0 6& ' & ' > V ' (G &- - 2 0 S X 5 ->C@ +B-> AD ? @A ->,D B @ ? D@ BC@ D D @A+>C@ +- B @ + U@A B AD @ C- ? B ?)SMKK B &!" $ 8;<NP(=SO 3 AG BC@ D EC> B D D - ? @ &% +B@ - A ? @A ? @@+ +B C- ? +B@ ? ;M<K - $ 0 ' $ C 0 O B@G D @A+>C@ +B E@++@C ? C@@2 AD A BC@ D@C O ++@,

!B CJ2 J @CDA. 2 U@@A # @ J-A -C +B@ , U@ ,) - J A $, 0 8 +@C !B U @@ I >-+ A L (

$ &J 0 - 0 " ;<P + A. - BC@ D@ + J A $ A BC @,, A. +BC- ? @ S!GS $ . . $) !!) 6SS6 P BC@ D@C + ? >,> C ? B@C2 A. @C2 X) 8 7 C& & , ;NQ !B CJ@ + BC@ D@ + +@@, +B + @ @C + EE@D - D@ +B ? J- +>C@

E # +B@ C2 AD2 @ +B@C 2 [M=L / / $$ ' $ ' NM B@C@ - ? @ BC@ D C .B+ AD@2 AD .@+ A+- +B@ B-,,- - +B@ +C@@ ;QK= # O$ > $. ;;; PK; ,, J, A+ +B + A @AD>C@ B@ A+@C' - A2 C@@A'D C- ? B BC@ D E +@ ;KL= 7 C) 0 > $ 0 : OL B@ C .B+ BC@ D AD ADG ;K=< /) & ' ! ,$ < B@ UG B C B2 AD +B@ @ BC@ D AD U ;KM= M > $ 0 LLQ B + BC@ D 1-CU B C@ + ? - JB@C@ ;K<=# 9 $ S B@ C BC@ D + EC@ +B@D C- ? +B@ A-C+B $ 1(U% J 9 $ - T 88) (=NN B@ GC@ E +@ BC@ D ^8) - ;MN= BC->D,Ga + A @ .@C AD A A JJ A. AD@

- # ->AD 3 C B2 $ 0

$ >% 8 B SIk)) 8C3 SX- B@ -A. A-+ - ? C @ C2 !BC@ D A-+@ AD BC ,,2 A-+ ,@ C -C*-G >6 ->AD A.

32 # . A2 +-U@A2 @+ # ,, - ?@A2 - ? A-> B@A @2 +C-A. ,G AD + @ 8- - ? @+B A. >A ->C E,@(

!!! < 7 1$,) 10 8;PKM(;QQ O@ >C@ +- ? A @ +B@ ? @,, B@+B@C +B@G . - ,, ->+ -C A - -C +B@G D- @) + BC@ D@ . A@ +B@G ,, G XMX< . >) Z O ++@CA@ @ ^ a BC@ D . A@ - E D > @ LMLN &$ ' - 0 S 8;M=N(;LP ->C - A B@ C+2 -A D@ ? A@ > 2 +B BC@ D @ D@A @2 ,@ ! ,-BA XMJX -$$+ C $, (, 0 ;KM BC@ D !G ? J+- ? - A ,, B E + - O-DG ;M< I J &) , & ' OMO 7 @ B@ C AD+ -CD - 5 +B@C +- ->A+@A A @ +B / - +C A@2 B B BC- 'D . A + - C C- ? E@ A. A @A+2 +B + +B@G J@ U D C@ +,G . A + + A>JJ . , * (0 : ;Q 7 B@A ? A . A + C@ -A2 + BC@ D .A C@ -A . A + B ?

E # JC-E E , +G2 @+ 1 (

$/&J) . $ - 0 *&* 0 . ;=< . --D J, A ? A@C - UA- @, .@ .@>GA. + \ BC@ D B @,GB--D ;MS< / \ 0 (LP= - CC G ->C @,>@ E->@ ->C % ,, A. m a A- ,@ @ +B@A &C D@ + ,@ + BC@ D J@ @ AD JJ@ C A @ - + ;QN< & $! ' 0 PO) A E@ , " @ B @ BC@ D %B A @ -A +B@ + , D@2 E>+ A-A@ + ,, -A +B@ E@++@C

; ; 2 (J @ @ - @ D@A @ " CD +- .@+ - @C2 T U CD 2 D ? . A. 2 $, 0

XM-M " - E) & ' (AA-+ = E 8(>@ +->C -C C@ Y >C@C B D E@@A@ -AD@ ? A@D2 + ->,D B >@ E@@A@ BC@ D@ + C@ @D@ + -C E? -A + -A , - ? +B@ ? @ > @ OMLL H$0 $%%& 5 bO L : ? ,C D +B + ? AG - +B@ ? ,, E@ ->AD > ,+G 1 -> . @ ? @ -A@ BC@ D A + A @ A +B@ O B-J - 7 +@C -CD) ;M<L ' $ $ & " L; B@ J A B A. C+ ,@ . A + B ? ^ ! +C -CDa +B@ @A+G +B>D D C@ D C+ ,@ A- D->E+2 AD > @A+,G @ D@A @ +B@ C %C ? @ SK=J " 2 = . . && * ($ & [0 L;N BC@ D +2 B B +B@G B- @SJ@ + ? - + C- ? +B@ >+>C@ - +B -C,D ->,D D- @,, +- -A D@C

i , / @A +- C , A. -C -,D A. BC@ B 1 (

$0 8) ' 8$-,, (.$ OMP @ @ BC@ @D H! & - $ H @ B + -,D@ , G B D@ AD +CG @ [=KL L <0 !$ &) G E B@ + ,@ AD ? +@C@ - +B@ @>G,,@ AD BC@ D@ G>@ ;PPN 3) * C ! 5 T " ^! - C +@ 'a >C + AD BC@ D @ [!<< 9), & ;; ON B-> ,+ A@>@C .@+ +B@@ B>) AD2 +B-> E@ - BC@ D - +BG +-A. >@ ;MNP) ') 8;MOL(OPN ! - ? @ B + BC@ D +- B@C !@C> A+ $ XMM - B . . & T &* . (8;MMO(O B@ &-@+ A,A. : >A-2 B +@ AD +BC +G2 I> , + @ B B - ? ? -A,G ++@AD BC@ D A +>C@ K OSPNN ? & ' ? . (B@ JC-J@C+@ - BC-D I @A GW T0 +- B @ B C G,, X. . - Cb C & !(0 # N C& - T - + 2 8;<NL(PK B- @ B ,+@ E@++GC B + @ BC-D@ G @ +B ? GC+B@2 +B@A +B +C-U@ - C ? G+GA. OP<M 9 > $ - (T (QN - ,D ! E@,,2 AD >C + AD BC- D ! - C +@ [@A+ JJ@

E # -CD 2 , A. > . @ ! -,DU . 2 C , A. 2 E> @ 1 0

;PLK # " M A 3 @CC ? A 0)%&RN. ;OK G@ B D - . B+ >,,G +- A +C> +@ ? @ A +B@ ? ++@C2 +B@A +B> +- D@ C@ +- -A I >@C ? @ EG BC- D@ b D@ OPMP # $ > $)) 2 & ' % &T $! ,%$ ' ' $! D) - T +- C G,@ + -A@ & . @>@ BC@ D@ --CD@ XM-M ( ) & ' 0 XD !B@ B D C@ ,@D B ? \ . @A B ? BC@ D -CD 4NLL 7 8 $ (4 =KK 7 +B BC@ 'D @C E -> J@@ ? 2 G-> A +B@ ? + X@2 $ XMMX , & T & ' & ' 8) MMO(;<Q !BC@ D -CD C@ - ? @+ ? @ ? JC- @D A+- ? C+ E,- E@+ S+ +B@ ?

A @ C,G > @ %>AA A. 2 C+ >, =*1 0 - -A,G A ->C E,@ @A @ %,@ @C -C U@@A ++@D A JC + , C +>+@ -C . -> A + -A -C

J@@ B 8 B@ B @ > +@A+ @A @ (

;PLN $! &= E10 A " X, & ! " : MN !@@ ? A. +- E@ B@@J2 AD @CJ@A+,G) C@ D S) !J J ,8 V " ' !(C& ;; SS 8 CE (OPQ ,G@ + +B +B@ C BC@ D + 2 B@A @C@ ? C,@D +B@G ? .B+ E@ - ? @ , ++,@ +-- JB A+ + ,, 7 >@ [MLK R , C$ ' (' , ' =Q O G + A. B CJ@ -,D ? @A2 BC@ D @C A+ 2 AD ,, > B J C+ D D C@ I > C@ - ? @ A- @ AD + CC@ O;QNN) ! $ " 0 [: >A@ ;MQP2 " , DG) D E@A @CG B AD - ? @2 AD @@ ? 'D BC@ D >AD@C + AD A. - ? A 4QNM $ C$ $* . 0 : : : LL; B@ 3 @A - +B@ 7 I C,D C@ E>AD A+,G ? -C@ BC@ D A +B@ O> A@ - +2 +B A @A - -D 3 @A C@ A +B@ 3 A . @ ? @A+ - +B@ C . C@ + AD @+@CA , %-A @CA OKNQ K 7 C) $! - $ 0 4 + OOK BC@ D -,D . @A+,@Y ? A2 B- +--D , +@A A. EG +B ? B @ -> ,G@ I> - , ,--U [KMQ ")) '& ' 0 8XKK-() OP & , G EG A +>C@ BC@ D -E @C @C AD A AD@J) D@A+ +B AU@C XKK- $ C&* ONO - ? A - BC@ D A+@,,@ + AD ? > " A@ B C +@C ;KK= 8 ! $!,0 ; =MK DG2 AD G->) C@ D E) ? @S $1 &!0 OKNQ M $ - > & " LMN " CD B@ D@D AD ! - + B@ C+@D2 G->'D C @ ? @@+ U> D@C ? S+>C@ - +B@ BC@ D AD @@+

2 XW<= (E ' & 0 $ 0 O =E2 B@G +-,D +B@ 9 A. B@ --,@2 AD +B + - ? @ BC- D B@ B D UA >, B,G C->. B+ -A B ? ;MNP 1 &&! " O2 ' $!0 1 ' >@ . -++@A ,@ CA@D -+ C @ ! . A -C %-CA@, - & - (" @@ BC- D @,,- AD@@D X - 9 = d 0 > O<M " @ B BC- 'D +

E # + -A2 J@@ B %>AA A. 2 C+ >,

B C +@C X@D EG J@A@+C + -A -C JC + , . +G

OPK< (C$ D ' !! $ & !) ? 2 7 E@C@>JJ-A +B@G

!C@ >?@'+-'? U@' BC@ D@' C>J,@'-'+B@+C'-E@D@A @' ;M=<
' #' .&'0SS 'PN' B@' BC@ D@+' AD'+B@' >AA A.@+'
-E,-I>@'+B +' A'E@'+BC- A'>J-A'+B C' +-A ' ;QM;' ' B '
-C' B ? @,' 81 ' $1! (#8\' B@' >@ ? G'
G@+' @,>D@'%-A*@ +>C@' AD' C@? CUZ B- @ @C' BC@ D' ;K;=
7 'Q 3 7' ($ 0 ::' OP<' A' @? A@A+' ? AZ B-' B D'
S@D' @ ,+BG'EG'DC A.' BC@ D'E C. A' '+B'+B@' AD A '
SKK ' : " ' .B ' %0 .(' ' ;SL' U A.' BC@ D' D'
A+ .@' - '+B@' -CD' %B A @,,-C '>A,> UG' ? + U@' ;KK=
$ '7 ' B '?$,&''+ ,'P)' "@' ,U@D'+-' -E @C @Z +-' .@A@'
C , @' A' BC@ D' AD' -?@+ ?@' GA ' ,'@J .C ? Z
-' # '+B@' @'-C',--U
SK M'! - P) , T E' ' BC@ D' AD'J@A@+C +A.'@G@';KQQ'
= ' - '&'' Z 5C@D'%-AGA.B ? B ' 'J, AZ
BC@ D' @' ;KQQ' . '< ''C$ (Z B@' B ..GZ
D CU' EC- A' @G@EC- ' . @' B D- ' AD' A+@A +G'+-'+B@'
BC@ D' AD'J @C A.'.C@G'@G@
' # ' ' >J -A' -C' .>@ ' ' %-? A.' 'D AY
.@C->,G' 'A@ C'+-'+B@'+C>+B'-'+B@'? ++@C' 8'& C+,G'
C A.' C-?' @A @' ;N(
' 3 ' ,0'C &1!0';OQ2'D@A @'A-+'E>+'+B@' @ +'
'J-,+I>@'? G' . >@' ' BC@ D' .@ @Z AD' .-' A@ C@'+B@'
? CU@' $-0'C& ' &- ' ;NOP !B->,D'G->'E@'
.>,+G'-'+B '+' '+B 'G->C' ,.B+'B +B' .@A' BC@ D'
> J++-A' SM-)' ' .0 ?' ' =Q<' ' ' BC@ D'
D->E+Z+B->.B'+'E@'E>+' '/C@ ?@' SM)' " ' = ' (
.0,+'S 'e'L' +' ' ' BC@ D'JC@ >?J+ -A' +B +'B@'D-+B',@'
+B'+B@?' AD@@D' K)' 'C$'0C$ ' ('B @'
' BC@ D' D@ '+B +' +' 'B'>?E>.
' &-10(' 2 .$ (3 3 $ (!&&. ' (
^*$ (3&') (H32 (32&. ' ' D*
%4==N C &-*0 C$ 0 ==< ;' ! BC@ GD' HH 5" (* $,& 0
;PK' B ' 'A'8 CE(=Q B@'JC@ +'% ,B ' '
EC-.B+'EG'+B@' BC@ D G+' " @ Z ;MNQ' ' . 0 : ;<Q'
' BC@ D +-Ae>@D' -? A' SM !' -)' 2 >' !0 2 0 Z
' BC@ DEC A@' 7 B-C -A'+' +B@C@'' J +B' A' B ' A+- CD'
J, A@A@ @' ;M<<' = L8 ..' +C' ' & $'' 8;MLP(;<<' '
A-+ E,@' EC@ D J +@D' 5@,,-' SK)' 'C ! $-'S '
!B@' ''JC@++GZ C CZ BC@ D ,--U .'J@C -A' KMW: 7 K
0 >' 2 0 5(B@ BC@ D@ + B@ D) O@C @CU@C' A'+B@'
-C+B'!@
!BC@ DZ -E ' -C?'-')' '
+!EC@ DB@ D' ^' 8)' i")V
7 U@DA@ Z D@JC +G
;L ' <)"' C$ 2 0 8;K<;(P;N'5-C'B ' E@C@ DB@D' C'O@C CD'
J@?J@C->C'B B'? D@'B ?'B ' +@ CD' L;L
PQ=' $G)+'D@>@,@A' -' -C' C@ @D B@D@' >@C' ?-' -C @'
B >,@' EC)@' ;=' 0' <!&),0 &' 0 PMQM 8 3 !' G(' " '
EC@ @DB@D@'^ @@'I>-+' 4ONQ ' ' 8)V
!BC@ D ,' 8*CbTD *(Z $0 ^' 8)' " " V
!-?@ B +'-C' C,G' BC@ D
L J' * 'C)1(" ' !0 =KP 7@'B @' ' BC@ D B' >J '
-AZ ;KQ'T . ' '*81@,DB ?(' $" ' N" +'LL'
@>+@A A+' $>D.@' ' ' BC@ D B', DZ -+'@ G'+-' E@'
*-,@D' ;KQL'%'3 3 'E' & 0' ' (8;KQM(;KO'!-?@'
BC@ D B' -C@ +A.'-'@ @A+
!BC@ D,G'8:C)'D,(Z $ 0 5-C? ' @@ 8)'
$ ' ,-'M C-D@,GZ M Q' BC-D,G' ^' 8)'
$0 i', 1';:
i' ,,GZ ,,: U@D,G' ? , ->,G' 1(
;L' C&!(' &% '8% ?D@A(LOM "@'E +B@AU@+B' B ?' B>' E@'
? G' BC@ @D@6 E@ +' -C B@' %4LKN 'C)-10 OKMN
6@' J'B@C+@'.C@+@Z \' BC@ @D 6 B@' J 'D@D@' BG?'U>,,@'
;LKO 9 . 15 5L' ';M'$@ +@+E'+-'D-' EC@>D@,GZ,@CA@+E'+-'D-'
,@ ,' %%'<& &2' 0 LO= "@')' >" .A-C A+' ,>6'\'
BC@ D@,>')4=P@ ! '' SS' LSL' -' DG@' ' - CD@'
BC@ D@,G'--A' +B->+@' A-+B@C' ;POL' . '<$!(
MON& ,' , +@C@C'+B + *3 U@' GC@'E@ -C@'+B@' AD'
BC@ D,G'E@EGAD@' ;LLO= ' &')0' $!'7 U 'POK O
B@G'? G' @?@'C@J@A+ >A+'-J@A,G@Z AD'G@+'+B AU@' A'+B@ C'
B@ C+@ '>,' BC@ D,G
i' ' # ' ->AD A.Z B>C+A.Z >++A.' !B CJ,GZ
@ @C@,G' # +@A' A' .' -A+@S+' 1(
@N!' ,0 0 $' 'S, '=')!$'&+' KN F>B@A@' @'D-'
A- A+' ,' B ' ,Z B@' .@CC 'DGA.@' ' BC@>G+,G)')V==N
* '&%' $!' '=L;' "@ ' BC@ D,@' - ADD' +B'
J \'/@ ' $/>%'< 7 ' '!'<!$ '7 U ';<;N '4=Q
3 G'E +C@D'EC GA@ Z 8 B B'A- 'E@' BC@ D,G'EC> D@' ;988'
'. . ' " +'OO=' /@@J@' D@E+' ' C@ B CJ@' .- D Z AD'
JC U' BC@ D,G' SM- ' $-(' 'X B@' GC@'E +@'
BC@ D,G' ' +' @CG' -,D' SM-M]' 0 =' A' >' ' OOKZ
' @@'?G'C@J>+ +-A' ' +' + U@' 3 G' ?@' ' BC- D,G'.-C@D'
L%LJ' 7 'O' +C' , $! T' 0' $,(' +-A@ @,,
J-A'B 'B@ DZ AD'D D' BC@ D,G' >+'B ?' SM)' ' 5-S'
) 0') (+ ' S'O=' ' @A+,@? A'B D' ' +B'B
B-C @Z ')C@ D,G'EC> @D'-A'B ',@+' D@' 4MN< 1 '
&"0 '+ '<<2:'UA@ '-A@' BC@ D,G'.-C'D'EG' 'O>,,
%'L '!B CJ,GZ @ @C@,GZ B C B,G' 1(' # ' J@@ B'
, %9' B ' &-*'((PLN -'G@+' B- ' BC@ @D,G'
A +J'?G' -A @ ->C'+-'D G'B@' C U' ,';=SO' . 3 '
'C ,0 LPS=' ' ? A +-',> >' %@ C' -A@' %C EE D,G'
@ DZ AD' BC@ D,G'^@+ L' ;=KL' L '<&! 0 0 ;L= L'
B@' ?GAG +@C ' A @CD@A' +B->' J U@ +' BC@ D,G'+-' GZ
G?@A' ;P;L' B7. ' ' ' ;L=' +' AD'C B+'
AC@ +,G' ,D' B-' ,@J@' AD' CG' 4P<L'('
-'$DC Z B ' -CD' 3>?? X'D' A'+B@'E@. AA A.'-'?G'
C+' J +,@' ' BC@ D,G' ,,@D' A)'I>@ + -AZ $'SKMS -B.. '
& (&- ' 8;MMO(;M' ! C' $-.@C >C.@D' +' ^ ,@'
B--Da' BC@ D,G' . A'+B@' &@C -AZ B-' A'+B +'J, @Z C +'
C@ @D'+B@' J@C -AZ
E ' # '+C@ +?@A+
';=K<' L ' &'' '& "-&''S 'OPQ "@' ' ' @CD@'
,@'+B@' B-,D@'E@'G@+'?-C@' BC@>D@,G'B AD,GD' ;PK<<
)!! ' &)' 7 U' 8 C- C+('ONL' '' C@ B CJ@,GZ
E, ?@'?@'A-+'+B +' ?' @D' -' EC- D,@' SM-S 'C$ .2(
$ 'O=!-?@'- ' -DP B ,DC@A C@ BC@ D,GB AD,@D '
AD'EC->.B+' @CG',- Z @>@A' A+-'D@ +B 'D--C@' ;M<Q
'' D0'< ' ' S'84Q4P(=M O@ A.'-' #J A -AZ+B +'E@'B D'
E@@A' BC@ D,G'B AD,@D'EG'+B@'/V)@' @A.@ A@'
'O D,GZ ,,Z J--C,G' 1(
'4=LNCE (" $'& ' ;'S 6 +'8;KM<(KO B@ 'J @A'
+B@'.- J@,'+B +'+'B >@'B@CD' @GD' A'->C@'+->AZ AD'U@@J@A'+'
BC@ @D@, B@' S)L' . '<$!($) !', -'!BC->D,G'
+'D-+B' -CD)' &'JGU@'->+'B-A@ +G'-' > B@' 'J-+ E-CD@

4P=4 0'C$* ' '0 (: MPK #CDC@'?> +'E@'+ U@A' A'
,G?@' -C' +B@' J G?@A+' -'+B@' -CU?@AZ -C' @,.@ '+B@G' B ,'
-CU@'E>+' BC@ D,G
M ' F> , GA.' ' -CD' -C' JBC @' @SJC@ @' -' '
J A>,' -C' D @C @' -AD+-AZ ?@A A.' -C' D Y
I> @+A.' +-AZ -,@A+' -C' -JJC@ @' +C@ +?@A+'
J A. A+-' '?@C@' A+@A @' C@ -> ,GZ A+@A @,GZ
@C ->,G
xZ S)S' '+C' & >'E &*$' ' '8;K<P(O=P 3 - +'
-C B?.' AD' @ ,+B @' J@-J,@' E@GA.' -?@' -' +B@?'
BC@ @D@,G' B U@A' $' X ..' &" ' 0' ' Z B@A'
C>@J@AAG ' C@ -CU 6B ?' BC@ D,G' C G' SM-S
' ' !!" ' '<;' "@' ' BC@ D,G' @S+' +' -?@+B A.)' 'SM -'
&- '' $ ' ' PQ ' .C@ +@' A>?E@C' -' ECD' ' ,.B+ A.'
A' B@C' @,D '- ' -?@Z AD' D@>->C A.' +' BC@ D,@' S PO
' &-& ('5'O '5 ? A@Z B B' BC@ D,G'C .@D'
?-A.'+B@'%-??-A ' MMS' . "!' , * '8;MQP(OON
-' E@' BC@ D,G' +@?J+@D' +-'E@' ' J C+ ',C@, +-C' -'+B@?'
;MKQ'<&& ' ' ,' =L' !BC@ D,G' . A +'+B@' ,,'-'+B@' B .B'
%B>C B ?@A' ;MKQ') ' GC0' ' ;LL'1@+' @@?'D'
B@'A-+'+- ' A BZ +B->.B' BC@ D,G'J A'D' ;QSN 6 '
&!!&D)"' 'e'O ;=M' !BC@ D,G'D' JJ- A+@D' ;K=K %' %'
66)' &* $' (C & ' = 3 G' B->,D@C B@+B'
BC@ D,G' ;KPM ' ' ' ?&!" ' ' ' '7 @ B ,,' E@'
BC@ D,G' >5)' ;KKL' 9 "= .3 .. ' '<!$ $& 'S6 Z
B@' ++ U' -'G@ +@CD G' ?> +'B @' B U@A'+B@?' BC@ D,G
'5 ' 7 ' - U8 .. ' A' ,, ' 0' '!@C'?'
'OK= 7 B B'B)J@AGA.' E>,D@' BC- D,G'D -? -C+'B@C'
;P<M (' $%%&'' $! ''N=E2`' B >@' EC->.B+'B ?'
-' @Z AD' BC- D,G'EC-U@A' B ?' ;P) ' '((
' ;ML' B@ @' A., B' C@' BC- D,G'->+' -'O@@@' ,'SK--'
' ? (? '$!!'< 0' ' 8;KK;(KL' "@'' BC- D,G'
C .B+@D'EG'+B ' ,@A @' ;MOO' A' 5-+@C' % 0 $, & '
) (8S)(' 'PQ "@@' +BC@ +A@D' >' BC-D G' ;MLL' '
' &"(QK B@' @'D D'DC >@' . A +'+B@' !B JZ AD'
B U@'B@C' BC- D,G' 4MPN -B.. 'C $ ' 'PM'!BC->D,G'
BC>EE A.' +B@ C' EC A B@ ' ;MQL' = 3 ..' 0' $' *(
'QL' #+B@C @'B@' ->,D'E@' BC- D,G'D JJ- A+@D'
i'E' A+@A @,GZ ??@A @,G' 1(
$IJ' :..7 8'C$ &'>' ' ' Z ' ,U@' B@C'
BC@ D,G' 'E +@' ' @A B'+B +' ,,' B-C@' AD'A-' -?J AG
u ',!@@' 8 '$(;70 AD' ,-E
(I> , GA.') * ,( ) *E ,) ( ) (% $ (
-) 0
;PP< ($ 0($ 2 ,' Z B '? D@'+B@' 5C@A B'
U A.' BC@ D,G'+-' > J@ +@' 4PQM -. 7'C$'&*0 * (
OQLZ ' ? +C>'+'GZ JC@ @A+' @' - '/@?- C+>' ' BC@ D,G'
S KK : 'X .' & * '8 CE(OO "@' .@ @+E' BC@ D,@'
->C' A+@A+' O%%A' .. 76.' ($, ' . 'e'X 7 B B'
? G'? U@' +' BC@ D,G' > J+->' +B +' +B@ C' A+@A+' '-A,G'
+-' ?J- @'-A' ->C'>AD@C +AD A.' ;MQ=' '- 6 L'?)!.'
#' ! 0QL' cC ' BC@ D,G'+-'E@' ? +C>+@DZ +B +' -?@+B A.'
'.C@ +'D@ ,' >C+B@C'- 'B ' -?@U AD'-'+ ?J@C A.' B@C@'
O> >' 1' (SS Z ;' BC@ D,G' > J)+' +B +'B'
$-LC ,' " .BA@ 'B 'E@@A'+B@'D>J@'-'+B +' @A+ ?@A+' SKSL'
' &.1"' 'SZ' ' BC@ D,G'.>@ 'D' B +' $@D?-AD'
C>,@' +B@' D ? @,'' EC@ +' ;K=Q %' ' 6$' ' " '
S '!B@' - A@D' JC@+@S+'+-' .-'D- A+ C Z A' -CD@CZ '
BC@ D,G' > J@ +@C@ +-' ' ' +'B@' ,EC CG
+E 'I> , GA.'* &1$1! (10
;MP<" ' & !--& ' &)!H 0) &]:' ' BC@>D,G'JC-E E,@Z
+B +',> D'J@C @J+ @' 3 ++@C' ,,'A-+' ,'+-' AD'+B@' -,->?'
+A +>C@D' C-?'-A@' A-+B@C' ;MM=' 8 ' &*(C !& (' 'QO
' '+A-+' BC@ D,G'JC-E E,@Z +B +%-,->C' C ' A-+B A.'@, @'
E>+' ' C->' ?-D +-A'-'+B '?-+-A'
2Z 7 +B'U@@A' A .B+'-C'J@C @J+ -A' +B' BC@ D'
+@,6.@A @' -C D C ? A +-A' +>+@,GZ . Y
->,G
O/OO) .' &' ' ' K= %-C A' G->' JJC@B@AD'
J A.' BC@ D,G' ;QS< 9 . '$(>' (
SS 'L;N' B@ ' >+B-C'-E @C @ Z @CG' BC- D,GZ +B +' +'+-'
" ?' ' 3G +@CGD' ;' 8 ' $(#' (! 0 ;' '
LP' B@'!J C+A 'B@,D'+B@ +' +-'E@' AA- @A+2)' ' ' E>+'
BC@ D,G' -?? ++@D' ;KOW ' $! -(SZ '!BC@ D,G'
C@J,@D' Z D' +B@' ?-A C BZ $'$ /0 = B. ' ' (
SS+' ' S-' "@' BC@ D,G'JC-J->AD@D' 'D,@?? ' B B'
,@A @D'&-?J-AA@' AD' -C G' 4KQN I' ' & !%'
. !0' :: 'OPK'!BC@ D,G'B@'U@J+'+B@' @ C@+'+-'B ? @,Z
E '%,@ @C,GZ U ,>,,GZ $ 0
SK S' Z Z ' (&' ,$ '8;KQO(;<= 3 AG' '
C->.B' +-A@ ,,'+ U@' ' A@'J-, B '+'E@' BC@ D,G' >+'
AD' C@ >,,G'C>EE@D
$ 1 ',?0$.< -=/' 701=F=--' 6 ''
$(0 (4=7' '=760-<- -=' 0?' 6 '$([!
' 7 U@DA@ Z D@JC +G' @ ,'D J- +-AZ ,,'
A +>C@' ? , .A +G' ? , -> A@ ' 1(
H,';LSP ' A'LQM "@' ,(> @Ca' BG 'B@ >@D'-'
BC@ @DA@ @Z ' . S,'EG ' E@ '- ' ,@ & ' 0 ' ;LK=
B 0' $-' ;KPL' .C@+' '\?@'E A' BC@ @ -C'
BC@ D@A@ @Z ' .-)' -,U@'E A' -C .-D@A@ @' ;=OO
AD'? , @' ,'+B@'& . A@ @' AD'?G E@,@ GA.@'?@A' ';=PN
<& &2' 0M;M B +'BG '.C >A+' B-,D'A-+'EG'-AG' BC@ D'
A@'E@' D@ +C-GD@Z BG+' +B'BG' @A.@ @' $I&'
L ' $1! '&%')$'HH(' B@' BC@ DA@' AD'? ,G @'
-'+B@'D-..@' $/JJ = ' *&!(SSS +'7 U '<NO O ;J>C'
J- @'+-'J>C B @' > B@' 'JC-+@ -A' -C'+B@?Z+B +' ' G,'
@ >@'?G' @,@',@ @'+B@@A'+B@' ->C+B'J' A+'?@>@A'-' BC@ DA@'
+B@ C@C' +B@@A'@>@C' ' G,'J G'+B@? ' 4!L!' <&& !"' C - (
C - ' % &) '& ' SS Z B@?'+B +' @ C' G-?' B@C'
C.B+' G'>A+-' BC@ DA@ ' ' ;P=N ' +C' 2 ' (
.(& '0 8;P=;(Q<' +B@'B->,)AD@' @C@'G,,Z G@+->.B+@ +'
+B->+-' ' @C BG?Z A-C'+CG>@' +B'B ?'EG' EC@ D@A@
i'E' A'A+A@-'+B ' 1(
>7X # ' & .0 0*0 0 8;KMK(O=a'' +V@ 8 BC@ @ (
E@A' -A +C@GA@D'EG'EC@' A @,GA@ @' 'B +' -.@A' AD'?-@A'
AD'J@C-C?@A' @,-AG@' AD' BC@ @DA@ @' '%;LKM]'C$ (
! '==O A'B C@'B->@'E@@A' A I>+@@' AD' BC@ @DA@ @ '
$5\' ' - ' '<&!' ?.(') '8;P=M(/ Z B@'
BC@ D@A@ ' AD' C>@,+@'+B +'/-A> A'D D'+-'+B@' C. A'
@+,@
+' ' >.B+A@ Z? B@ ->A@ ' 1(
') 7'A':@ @,' %(*&!(8C CC(L=' B@GZ E@'
>E@ @'+-' ,,' EC@ DA@ @'-'+B@'E?@--'+A@'+C@@+Z B-

@' -??-A,G'+-' ?- U@' AD' C@>,@'+B@?' MS ' . 3'
) 0 ('< '+B@G'E@@' J+'?> B'E@-C@' >@'G@@C@ - ' .@Z
+-',@ CA@' EC@ DA@ @
+'D ' 'JC@+@AD@D'+@C ?' -C ' ' -?J AG" -' J@ '
%4=PO - " '& ' " (,(8 .@C+-A' 3 ! ' 4<<P(A' :Z
" -D.U A'C &* ' - '8;<N<(PO ' ! BC@ D@AG '- ' JG Z
=KM'?.0 (!1$' ' ' 'EZ '!BC@ D@A@ '- ' J \' ^"@A @'
A' C ->', +@C' -CU a2
O ' ! . +G' -C'U@@AA@ ' - ' ?@A+ ,' J@C @J+-A' -C'
D C ? A + -A'' +>+@A@ ' A'JC + , C
SM-M' ' ' ' (7' !(;;' ' M<' "@C' CE- ,@ 3 D@'
->+' -'B@C' ?J +@A @' B'B' A-+' A+@D' !BC-D@A@ @'-'
J-, @'+-' ;MQM' ' & (8;K=K(' ;OM' !BC@ DA@ ' A' A'
@A+ A.' AD'D - @C A.Z ' 'J C+ >, C' . +'- ' -D' $>>+'
7 'C!) $, ('5',-' 7 +B'B ' BC@ DA@ ' AD'
J +G'B@'B D' 'JC-J@C ' ' J C ' ;KSM' ' ? (
2 $ % Z !-?@ 'C@I>@ +@D' D @' >J-A' -+B@C' ? ++@C Z
B B' BC@ D@, @C@D' +B' A' -C >, C' BC@ DA@ ' $ %&'
' ' (OPN' -+'E@ A.' EC@D' ,-' E C+@C Z A-C'
-?J@A +A.' BC@ DA@ ' $ >%' <.) 0
C - (&- ' ;ON' +>C ,' BC@ DA@ ' ' +B@' .>D@' -'
+B@' 3-J,@' A'+B@'E> A@ ' -'@S B A.@
+'!BC@ 'D-? ' (^' 8' 1(' ") V'
7 U@DA@
4L ' C&!0' &' ' 8% ?D@A(L=N B +' BC@ @D-?' +B +'
C@.A@+B' A'+B@',-AD
+!BC@ D B J ' 1(^' 8)'$0N" 1V
JC@
;L ' 0' 0' '! !'C'0 O'PKN J +' B ?@X -C'A-' BC@ @D'
BGJ' B@A+' ?-+'B@' -C+B@' ,'O=OP ' 0 $ '8&(;QLQ
^! B-a' EG+B->+' B C@' ,' EG' +B@' G' JJ-A' ' BC@ GD'
BGJ' -C'+ G
+'! C@ ,@ D' 1 0 A' L =' -BC@ @ Z
C@ Z BC@>B@D@Z BC Z C@ @D@'^' 8'
0'i' " /a' f JC@
,';O<N' ($2 ', '=' A' 0' ' ((L=N /@ >'J@'
>?J@C->C AD' ',>+ @' ,@C A' J +-' ,@' BC@ @'
B@D@'DC-*' ;O<Q'$'<. B '8$-,(PMQM)>+' -C' ,,@' C@ @D@'
"0 (BC@ @D@Z BC@ @B@D@Z' EC@ @DB@D@A@ ' ->,@' -?'
A'+-'E + Z ,';LSP' '3 '%J '^"@a'D@D@'BG?' A' A'
DDC@' @D@Z J +'E@ +' '-'?@ +' EC@>B@D@
!BC@ A.' 1!0 10 $ 3 0 ^' 8
10'H' -;%/L' 2'' $
;K=Q = ' ('S 'B D' +@D'J +@A+,G '
;'? .B+'B @' J C@D'G->' 'EC@ A.'
'!BC@).2'**!($(10 $ 3c 0 A'=' BC@ '
@AD@' 6 @D'+-'C@AD@C' ' % '$' - (
;LKO 7 % 5' $(S' 4= B@' -CD' B ,' +@C@' C-' C @,'
+B@' B@D' AD' +B@' + ,Z +B@' AE- @AD@' AD' +B@' BC@ @AD@'
& %& 'J@ E@ @AD@'F 8' .*' ;LKK E BC@ GA.@a
!, C@ B' -' ^' 8' N"Q ' V
+, ' 7 U@DZ ,,D J- @DZ? , .A A+' 10
'4LQ!' ,(($ ' ' 46$,&1) +!#9#' J+' A ?@'^ '
!)*$H' . GAG+' BGC' +,Z -C B-' @ ' BC@ Z @,->A' \' ;;'
S)S' L ' " 0';S 'D'+'EZ B +' -A@ E ,'B GA@A' +-'
E@' G @' AD'D C@+@' P' +B +'-+B@C' -, B' -C BC@ G B'
;=K4']' "'$ '8 CE(OL' B- .B' ?G'@CA@' @C@'+ G@' -'
E D' AD' BC@ @ B
' # ' ' -? A' &@C+ A A.' +-' -C' C@ @?E,A.' '
BC@ 'B A.'+B@' B C +@C' -C'D J- +-A' -' '
BC@ '. @A'+-'-C' B C +@C X@D'EG' -,DA.
)Z <ML' : &'" &'C$ ' ' !!' ;M;<' B@CE@' 'A-?E@C'
,> A.@'+B +' C ,, 'B >@'+-'A ?@Z O>+'G@+' @CG' BC@ B@'
EG'A +>C ,' BC@ J- G-A' ;PQQ'< 7 '<&! '' * & 0 @ +'
$' *Z ' BC@ C E@'+-A.>@' ' ') %%' '=Z
!B@@' ' BC@ EB' A JJ B'E DZ +B +' -,D'E +@'-' '
? A'A-@' +B' A' A G@C@' OMNL' '?$, (?$'D) '
'7 U '8 C- C+((O-P)' -+' C A.'+-' JC- D@'->.B+'-C'
B ' >JJ@CZZ E>+' -A+C C @' + >A+' B ?' +B' B CJ' AD'
BC@ B' J@@ B@ ' 4M=4' :'# ') ' $' 0' (;;;'
OOP' B@' 3 +C ' ' ..-D' "> @Z E>+'-' BC@ B' -A'
D+-A' XKSK' ' 'SZ' --D' -? A' D'+B@'
? . +C +@'+-'+B ' BC@ B' >JJ, A+2] +@,,'> ' B +@' +'
G->')A+Z AD'D-'A-+' A+@CC>J+'+B@' ->C+' ;KO=' 7 'Q 3 7'
($ ('=O 3 G' @'E@ ?@' ?-C@' AD' ?-C@' BC@ B'
AD'+-C?@A+' BC@'?-C@' A+@D' -? -C+' $ &+'
?$-( ) 'HHH(!,@AD@C' AD' BC@ BZ ' AD' +B->.B'A-+'
E -,>+@,G' ,3--U A.Z -' ' B CJ' AD' D' .@Z)S'
' 2)-'L' # +'==Q L'"@C' .-C-> Z ' -?@ B +' BC@ B'
D ? , -'+B@'%->A ,' '@A -G
E ' A' D@C' @A @' "EA +>C@DZ ,,+@?J@C@D'
- ' 'B CJ' -C' C- .C A@D'A +>C@
!" '(' $%%&'' $! '' I L Z' , !' $$' '$* (
BC@ B'!A JJ B'?>+ CDZ '&, >+> ' ' +
SKSM' ' ' D0 SS' "@'+BC@ 'B ' '-C ,' AD'E@,,' ' +'
?G'B@ D' -C->' A'B ?' 'E +-' >. C V AD'G->'B @'+--'
?> B' @A @'+-'? AD' > B' ' BC@ B)G' ;KO=' 3 ' = K
6)' !!$ ' !@C)' (8;KML(;<=' ' , ++,@'D-.' J@C2Z ,@@U'
B CJZ AD' BC@ B' SK?' 3 ' ? ' &2' ' Z
1'C@'+B@' BC@ E@ +'-,D'D-,+' A' >A + ("5-C@ +
' $ ' ;KML'$ '5' B ' (% ,$'H(' B@' BC@ B
>+' +-C@' +-' J@ @'+B@' @CG' +C-A.+' B- @C ' ;KKO
Y 8 ' A' &' - $'>)' $ (: =L' ' ' BC@ B' +@CY
A--A' ,+@' A' JC 6 B@' @ -A' ' @CG'DCG
"@A @' !BC@ B,G'$ ((!,C@) EA@
;P<N ' (' ? ' 'LN; :' 'A@>@C' >C +' 'B >@'
A-'. + +' ,,' A' EC@ A@ @' ' ;MNO']' >2 !(0 .'3 '$>+'
"@' ' @C @' @,6 >->C'DZ AD'B@' J@ U@' @C @' BC@ B,G'
$599' -B.. ' & (&* (8;MMO(O "- ' ?>B'
BC@ BA@ '? G'E@' ,,-)' A' ' 7 @' ;KOM' 3 ' = K
'' !!, ' !@C' +' 8;KML()MK , C' @' B- @ -C B@C'
@ J@ ,'. +' A' -,D A.Z B@C' A +>C ,' BC@ BA@ ' ;KPP'
= ( ) ' *(+' '8;KMM(QQ<' B@ @' AD' ? , C A'
- '-? -A' AD' -?? -A' @C@' B CJ,G' AD' BC@ B,G'
@+' -C+B' A'+B@' F>@@A' '@J +,@' 4KK=' A '!' 9 ' (
(;M<' B@'B C'C@DZ+B@' @C +B@C'J- A+@D,G'- ,Z +B'
A'@SJC@ -A' - ' -?@' BC@ BA@
!BC@ ,G' 4)3HHH$ (^' 8 W> N". AV
@' 8). '8-C B BZ A' -?@' A+ A @ Z +' ? G'
E@' '? JC A+)
$';PO< ' ' *0'C$ &'=LN $GA' -DZ CGAA@' /@ G,''
G@+'+B@'D +@'-'- @C' -CD' AD'+B@'D +@'-'+B@' /@ G,,'D-+B@'
BC@ ,G 5' -CDZ ';MPO' 'A) ' ' $, (;;'V1->C'
>C->' E CJA@ @'-'+B@'A- @Z B B'B@C@

[illegible]

:-BAA -A' 'D ? GD'-'B ' BC@> ,+@@' !<M ' 0' & '
8 3 ,-A@!- (DD' ;ML'!B ,,' @'B@ C@' BC@@'?--C' J@ U@'
&!' ' @++' B@ C@'B ?' 'U@@J@' ' J,@A+G > ,' EC@ ,+CG
' 8)' ' !0' $ (' ;2 A'+ ?@' !+Cb'G->' ? G'
U@@J@'G->C'!EC@> , @' AD' E@'-A@'-+B' !@C A+' ;MML'
13 ' $ "'OK'!@J+' !' C'$'5-CD'E@. AA A.'E ' BC@ ,+G'
+- D G'),';MKL' ' B ' 0' $ ' &) 0' LK B@'
!BC@ ,+@'B D'A-+' E@@A' E@ -C@' .C A+@D' A' 5@@' $%OA'
B .' 8;KPQ(' P<N ! C' B-? '%--U'B '
, D' EG';N2NNN)' +-' J@AD' A' B ' BC@ ,+G2 OQQ;' ") ' '
0' :' OP<' 1->C' A@S+' JJ@ C A @' A'- @' ' ? CU)' +B'
B '@,@ + -A'+-'+B@' BC@ ,+G' ;KQ ' 8 .' '* &' -"'?. (
!@C' ' F KQLVPO' B@' BC@ ,+G'-'+E@ ->A+G'-'%-CU' ;KKQ
$2' *0' 7 @@U,G' -+@ 'O;P O' B@' A G'-'+B@' BC@ ,+G'
EG'C@ -A'- '+B@'D@ @ @'-'+B@' B@C
$ 1(;K;N' 8;KO;(;O=' A'+B@' BC@ ,+G
G@ C' ;KNQ K

! BC @ @' @@' 66f' 3
! BC @2'-E 2' -C?'- ' 3 '
! BSC E'% C +(2' 0 - '$, (-C'? ' 5-C?
; P' -C + ' O P' @C +@2' P M' K@BC6 @V 8O' - +F)2' L'
' 2 BC !+2' CG ' 2 = BS@ +2' BCA +2' C F)2'
*JG +8@2' C +@2' = P' @C 2' P' -B@CG +(2' = P'
-BC +@2' BCG +@2' -,> G +8@2'= M' ECG U2' BC +@2
L ' EC + ' ^# ' , %'? 2' -CC@ J'+-'#5C ' . %
? ' AD' 2 3 /> ' , %' = , , +' ' AD'A 2' 8 />'
, %+(# " ' , %' '8 3 , 2' ' , %+ ' # 2
. * ' %'!'8! 2' %+ ' E,'A2' ' 3 'A!f
B@' ?@ A A. ' 'J@A A @ 2' ' -A @ -A" $' -)A A@D' +-'
A., B' AD' ! AD A A2' C A.' JJ' C-?' A'-C. A ;
?@ A A.' - 'JC@ C E@D' J@A ,+G' B@' -+B@C' , A.> .@'
B @' -A,G' +B@' @A @') ++ A.' !'.C JB ' C+' ' C J+>C@'
' C++@A' B C +@C' a

' &@A A @' ?J- @D' EG'+B@' JC@ +' +@C' -A @ Y
-Aa' B @ ,G' A'J?2' ' &' $. (' - ' %' :' &' &'
%T ' &' ' %0' 1 (
,'4#LN $2 ' ') '>' S >'8 @E@C? AA(LP=')P*V@C' ? A'
@ ,')@'-A'.-D >AD A' C,+ A'.@'-A' -C>,D >AD A'D-? A'
B ' B'+-. '+- @ D A)' ;NLN PN , ,!(&- * ' $ &' ' 2
' J>AD'+-'E-+@' ? D' .-D >AD A' C +@' %4;QP' $ - 1(
& '(B'J@+'J>' ,+' . A'+-'E-+@' AD'A ? A'W C +'J@C'- '
') ' JC-@ +' J@' +@ B@+2 1 0'<W 'B ' ' ! ' >A >, '
J@+'A>6@' -C'B '->@C? -! 'B ' C + E ,D@A ' ,' [#8&' , '
) ' ;<' 7 AD@+!' +-' ?@2 AD' A@A D!' AD' D-')')+'
C ;ONN 8'<OMO' -' +B J@AA' "B%A) D' ++' B ' B AAD2
\' -CC'+-'+ U@AA' EC +@' $';LNN) & ':"'<N<N ! A' 'B '
@C>@D'+-'B >@' J@' !) 2 N;W ?@' ? ' C +' 1 (OM;<=' #A'
@U-' ,6 A' .B' A' C + :)' , D' 1 0' OKLNN2 :' EC U@' ?G'
C +@' ?!> ,@' ? '\,,@' ,' ;=NN)!' 0' ? ' '8JC- @('O;'
>@CD'. >@' ' > ' C@' C +@' +'D-2 J +'7@' ? G' G'C@A.A@'
>?' +-' $570\') & ' /'OLO<Q8 C A ('5-C'J@' -,D@' A-'
EC +@'+ U@' AD' +'B@C'BAD@' ?@AD@' ?)@

O ' B@' ?J- + -A'- 'J@A A @' ?J,G A.' E -, '
+ -A2' %' ?@' +D' E@' JJC@B D@ ' A' @C+ A'
-A+@S+' ']' E -,>+ -A2
$ C& ' ' $!' ? 1 ')' 0' A' ' ,0' $2
8;K=N('4QO! 'E@ @ +AG @'E @ D' J@+'B@' C +@' GCAD@'
\'B> ,@ ' ,'4NLN MN $2 ' & .) - 1 0' C ' 2
JC@- +' >,,>B+@' -! @' C +@' -C G?@' ;O<Q' $' <. B '
8$-,,W(KMM;' "@ D@ D@' J->+@' J@@E@' 7)>+@' C +' \'
E# @,' 'S --' $!&' ;KO<^" @.-Ua' ?-+' ??' -A@' .@GA'
+B@' B) +2' B +'B >@D@' E@')>@C@' BC +@'-'JC)+' @S=N#'
)! '? 0' ? ' % 5& '!@C' ,'B@'D-'-A'& ?2 AA '
-C' +-'@ ' O%+J ' $ 0 & ' 0 3' 'OOL :' ,,' . >@'
B ?' 'JC@ @A+') C +2' AD' D> @'B ?' -C' 'E@++@C'J, @' S) K'
9 '? 0' - 1 0' ;MK= :' ,@ @' +' +-' @'B@' E@' # '
+B@ C' # A@' -A @A @ ' OKLP' C B ' - 1!0HHH0' 50' ;M; -'
A@@D' A-' -+B@C' BC +' B?' ? A@' A@' -J @A @' ;KOK
'C0' 0'C ' 6" 5 +B@C'5C A '+B@'&) A A2' C-?'
B-?' ('B D'B@C' BC +'+-) G ' ;KMQ' &' ' ' S' 7 B@A'
+B@' +?D -' BC +'E 'E@@A'-++@C@D
J 2' ' -A @ -C' 1 0
0>' " .6)' < &%% ' C$ 0' 0' S ' J-W "@' !-AA@'
-AD@ +@' @, @' - +>A.@'J@' B ?' -A' E@ >?@' K @?' ?-D@' E '
C +@' 'E@'-C A'D @?' +@?J,@?') --' 8 B.6' ;LNQ
@' ? @' &) CB' J @+ , ' @' C +' S@ @-A' -A' J @' ,@'
'44Q!' $ - 1 0' & ' 0' 4<JA'! ,+'B +' E@+@A' +'W '& A' C +@'
J@+ E@+' $';OOP' '' , 0' 0'=;K' '@' ? D'EC@C@ 'A@'A@'E E,-D.@'
B C@' >, ' !>+@A' @EC +@' '@,@ >@' ;KLK 2' $ ' " A'? .0
,0' C$ '8;KMK(' PQ' 5C- ?'E- @' 0 B-J ' +B->+'-CD@C '
'? +@C' BC + ' A' +B@C'E-CD@C' @+@ a')8SWK-' ' h% '
'1* 0' ' '=NQ ' ' ? A' 7 ,' ' -A @ 'B ' A '+-'+B@' BC +_
! ' &' &(,& - ' &' %' ' +-'C@ -C+ +-' -A @ -A2
@@U'+B@'? A +CG'- ' K' JC @ +' A' +B@' C ?@A+' - '
J@A A @' , -' +'&' .' &' %(
4#NK $2 ' B ! ' ' SS 2' !G?@' B+' %C +@AD-?@ '
S@- ?@')@ >A)@' @,-?, @' +-' @A%+@' $' +AJ 9 B.6
& '(SSS S ' 8;KKL(SKS ' ? A' +-' C +@' B ' $ - 1 0'
& ' 0OP' ' >,,@' . A' +-' C +@' -C' -?@' 6 'D-"'-M@C'
?@A' ';OPN V ' 0' - 0 A' 0' 0' ,0 LO%-?@&'+-' C @@2
-C,@+@D'G'>C@' @AA@A2 AD'J@C- 'E@J' -,@D2 ,'OLSP' K
' = 4<=K 7 AA@'B@'A@'? G'+-' BCG @' -?@ 2 ,;=NN)!'
0'? ' '8 @C @('<KK -' E@' + ' + C' ->C' VA' +-' @U@'+-'
BC +' S) L' - B. ' ((, * (';<O -'? U@'+B@'
.A-C A'+'E@,@@>@' +B +'+B@' J@-J,@' @A+'+#' >C >, C' BC +'
;P<N $!&'T ' 2 'C) $ & ";L' B@'A@S+' ?@' @++'
?@'+-' BC +2' +@C' B@'B D'? D@'B@C' --@) -A2' AD'B D'
C) @ >@D' E -,>+ -A' ;P<O' ' & - 0 B ' %) 0' ;;' ';<O
O D'B@C'D@> @' -?@'? @+-@ '+-' -?@'+-' BC +'B ' +@CA--A@'
;MLN & 9 9 $'#' 'C 0' &' 'C 0' 0' ;'9'=2 @+'B@' @A+,@Y
-? A' ,-A@2 B@' ,- A.'+-' BC +2' $'SMK-' B , ' -0
8;QP<(' :'OPN A'+B@'%B>C B'- '$-?@' +-' .-'+-' !BC +' ' E>+'
' -'J>+'+B@'!->,'-A' ' ,@ A' !B +' SKK-' ' ' 9 '<& > '
$) ' ' 2^"@a' .-@ ' -' BC +' +B' A-+B A.'+-'D ,- @'
M ' %-A @ -A' +-' ' JC @ + ' >C >, C' -A @ -A'
, -2' +B@' C ?@A+' - 'J@A A @
3 -C@'@SJ6D+,G2 '&%'- &) (
, 5 B ' $ - 1 0' & '(S' 3> B@,' ' >' J@AA@' A@-D -D'
C +' ,'4ON# ' 0' &!!0' & ' 0QL' / C@D@',@++@B' J@' ? AA@'
EC +@' ;SLNN) & ' 0 OPQ=< "@ ? U'+-'JC@ +' B '
-+@' ' >+E2' 7 +'C@>+B'- 'B@C+' AD' C +@' -' +B->+E' 1 (
OQ==' +'@ ' , AD@C' @,' N' C + B ?' @>D' ,'+-' -A ,
4L=N " '1 0' ;=' %C +A A.@2' -A @C? A.@2' J@' C@?@A+' -'

J@' G@ D@2' -CDC@2' J-> B-D2' J@'B-,G' C +@2' AD' +B@' , +@'
A-G, A.@' %4LM<' B ' >, ' ' 2)BCLC +@' G+B- +@'
+BGAU@+B' G@'B >@' >@E@' ' B >A @' 2)BCLC +@' G+B- +@'
C@J@A+ >A @' ,'S) ' ,' $!OQ<' J-A' B@C) +' G+B'
?- +B@' AD' +G G-A' GA' D@D@' ? (' 1 0
0' $ '' <ME2' !BC +@' A' +B@' @ C@' ' @C@,G' ' -CU@' - '
! +B A' ;P) ' .. ' %0' C && ' O;P' &C > +@' EC +@2
7B B' +B@G' ,' A- @' >C >, C' -A @ -A' O%+J '
& ,0' *0' ' <O ' :' B->,D' *-G' +' E -, @' +B@@' +@C'
!BC +' 4MPO' < ' '&- 0 =N !-?@' &-J B' &C @!+2
JC@ A.'?@A' +-' BC +' SMK ' ' $5 'M B@A' @ @CG'
J + > C' B@@J' 2DC@ +' AD' B-CA' +BC@@' -C' ->C' +?@ '
) C' AA>?' EG' !BC6H' 4K=< = B. ' ' 0' :P='
!BC +' 'A-'J C+ - 'B@C' G +@?' 1@+' B@'.@A+,G' A +@D'
+B@'DG A.'J@A +@A+'+-' -A @ 'B ' A '+-' 'D A@2
E ' &BC @
+'8 (E ' '& ' ' ' % ' A' ' + +@'-'J@A +@A @'
,'44QP $ - 1 0' -0Q)@' @'E@-D'>AD@C' -D' C +@' ,'S@B-'
'4N=QL2 \' $1 '^> W ,@AA @JJa' J ++' C* 'J ++' @'C BE+'
"@C'@AD@AA'>AAD@CC' BC +@' ,'OA+/ @ ;)=LP' ? K1'
& ' C B+@' D>D@' 3A@' D@C' C +@' ' ' 0'W 50'7#'
A'B>ADC@D'L@C')+@C' 'D@ D' D ?' +#'@>@' A)) +@' E@) '
,'4=NN)!' 0' ? ' '8JC- @('=' J +'B@C@' "> ' A'D@A@' C +'
'J ' ,'B >@' J?+' 'B ?'
1+' (' ' %>(+2' A' -A @ -A'
'4;QP' $ - 1 0' & - 0'#h' " @+' >,@' ? -A'@+' C +@' E>+@' B@'
7>,,@' -C,@+@A'B ' ? D@D@' $'OOOW ' , 0' 0 =M! B@ @!'
' -+@' A@' C +@' - @C' *@?@,@ +@' B@C' E>+@A' '4LLN * ,0
<" ' $ 2 ". 'Q<))'& +'J>'B +'? ,+' A' BC +@' @@' ? ,' ;=PN'
&) ' $!)$, & -'89 -SED' PK 7 B@A' 7 @' A' BC +' C@B@C @'
->C@' GAA@' ' OPQ< . '?)*') 'OK / - +'+B->' A-+', >.B'
-2 +-' @@' ? G' .B- +,G' +B@C'U@@J@' 'E@@C@' - ,-A.' +'
BC +@' ,'S J ' = 8 '6 2'&%' $!$';;' D' A2' '
+-,D'?@' A' BA +' B->'UA- ' +'+ 'D@ +B' AD' +'E@'C@>@ ,'D'
$'OMOP -. ' & 'C! (' 2 :' B @' ,,@D'?@' G' -A'
@A @'+-' -A @ -A' AD'@ @CG' ,, E,@' +B +' ? .B+' - @AD'
:'B @'B D' A' BA +' 4Q<L' ' !' ::' ;==' C ?@' !#
@A-C?->' +B +'+B@G'D-C@D'A-+' -A @ 'B@?' A'D>C +'
'4,+' $' %0
) '9 ' !10'C ' 0' S '+S S -@(' O<;' @+' +B 'B#
!J-U@A' A' !BC +2 -' 'U' J-U@'+-'?@'
'+4 +' %>' ' 'H !BC- @' >@ D G'
;P ' &!. !1 ' *'<=L' A'?$' '$ "' ' # '8 ">A+@C'%,>E('
mN=K +' BC + ' @ ,A' >?' @' - 'E ++ ,J> ' B +'^@+ a
M ' A' A + A @'- ' +B ' ' -A @ -A' -A' 'J C)'
+ >, C'- -A')
c&BC' &'- $. '&' T' %"' &' $ '$' %0
,T' " 'C$) -) & $ 0?0 7 0 #!* # % $0 '
+' @' C +'J A@' @-AD' B@AD@' $'S N-') & ' 0OQ=<<'
B@' ^ JA@ +a' . '+-' C +@' E@C@)'J +'B@' ? G' J>' ' C +
B 'JC @C' ,;LQP' ,0' @' $ ' ' ' '$' , &' ' , &'
k ' ,'BG?' J+' B ' +'J>' ?' ;' ' ;PKW B ' 0' <' C 0
Q=P' 7 '+B' ' - A' !' - -AG' BCG +@' ;PL=' = ' &' %0'
$ 0 , 1(' 7 U 2' OSKL,0' 7 B@A' +' +-' +B@',J@A, A @'
.@>] ')] C * +] +

7 C 'E '%-A @ -C' OKOK ' 0' 0' C ' ' 5-C' ?@'
J>CJ- @'-'? ,DA.'+B@ C' @ @C ,' BC +'A'+B@' -A @ -A ,
L ': '& ' 9 E ' &1' & %'?& 2 'S4S 2' A' +B ' +@?J@C' B@'
B D'? D@'B ' BC +2' AD' E*>C@D'+B@' ,@ ' , @ ' A'+-' B J'
B 'J -A'+ 'B D'J,>A.@'B ?' ;KMP : 7 . ' &((
"@' D' +B +2' G->C' BC +' B->,D'E@' - B-C+' AD' ' ,@ A'
' / ' D '
i' !$ '+B A.' -A @ @D')9 0 , T
A l '9 ' ' , 0' 46' S S ' 8OMNO(O<O' 0 E D' B@'
E>C!BC +'+-' -?@U-'C ?J, +@2 -C' J .E+
+'@' 'J, @'N;' +A @ -A2 FB @ -A ,' $ /'
+D-=' ' 0 , 2 6 'O=' 3 G' - D B ,'A@>@C'C@ + " !'
O@D' B ,' @@?@' ! B--,@2 E' O--CD' !BC +
' A' D@C') J %-A @ -A'8) A'-C' C-A.('
D? -A' .> ,+(' C@ @, +-A' 8)' - ?@+B A.'
JC +@'-C' @ C@+(
SL=-' ' 1 . 5l @5Wm 9l3 B LK :)' BC ,, 'A -) '- ' GA@+@2
B-+- 'C .B+ A@'- . -D' ;L<N' < 8 ' d '%0 " ';QL' >J-A'
+B@' BC +@'-' '+B" ? +@C@' ;PNK B ')$' $ '
' 'OP; ;' B 'LN72 ! +@C ' A' BC +2 :' @' ' BC@ '
@> C' SP') O ' :- !# ' 0' $' ') - 0' C' 2 "@' +>D @ '
, ' , ?G' -AA@' B+-' 'B JJ @C' BC +' OKLL' -)'> '
C "' " ' 5L2 " ' AU,@ ,' B AD@C ,,2 AD' ,' B '
%->X@'+-' BC +' !KMK $ ' 2 ' 7 ' 0' A) 0' 8;QNK(
4LL' '+BE' ,, A+' @C@'+ U@A' +-' B ?' ;KQK] ' ' , '
- & 0 2 - $DC 2 @+ 'L< B@A' D-' '$@ -6@ + ,+' +B + :
B @' D(-C'D-A@' +B +' D G2 AD' +U@' ?G' @, '+-' BC +'
1 0 A' 'KN #>C' @' ,' E +@'- '+B@? @, @ 2 '+B@G'
E@'EC->.B+'@ @CG' G'+-' +B@' !BC +' OKKP !' 3 ' ?
$1 $'>' 0 KK ' C@ '>J' E@+ @@A' +B@?' > B' '
+B- @' ? G'+@,' 7 B-'B @' ? D@' BC +'-' ,'- @
O2 c ' 5 ' ,&'% &' - '+B@' >,. +@ ' UA- K'
,@D.@?'@A+'- '+B@'J- @C' AD' .,-CG'=(;' -D' 1 T'
$'OLNN 0'? 0'C ' ! 'S" 'P' A' +@>@A'-,') B J' AD'-@'
BC +@' ,'5 &' 9 B6' !0' 6 . 0' 'QO J ' -A.'- 'J@W
B ,DC@A2 B@C@' @' ? U@A' A' -J A' BC +'J +' -D' '
J) ,A.,' E ,@ D' L' $ 'S'K AD'A- ') >@+B
BC +@2' AD' .C@+' D- A.'+-' +B@' -CD' J-D' - ' ->C@' DC '
$' ;=NN C " ' '8;K<;(' <L' A+C +B'B '* + ' A' BC +
' & ' %'[-C.' ' EC @' J @' - ' +J @'
,,- @D' -C' ' C*, A? ' ,' +-' ? U@'A ' -A @ -A'
E@ -C@' @S@ >+ -A 'B@A @2 ' EC @'C@ J +@' &' \'
& ' %' &(+-'? U@' B-C+ -CU'-
YA/O&' (' ;;' ' <Q 3 U@' ' B-C+'!BC +2
B@' -A. '+-' @@'G->C' "@ D a' ;KS=' ! -CC' 0'&%' ! ' '
SSS ' !B-C+' @C@'B ' BC +' A'+B +' D@E +@ ' ' -CA' @A +
->A+@C'D' OC> @' ' ;KOL']'A) ' '' 0' 2 B@G' C@' ,U@ +
+-'?@@+' B-C+' BC +' AD' '+ @E+' -CD' ;KQ< 7 ' " ' L '
& ' 'SSS 'LSP' !B-C+' +C ,2 B-C+@C' BC +2 B D' E@@A'
. @A' +-' +B@' B@ ' C?A , ' SK8)' - ' ;P' 5@E ' = L'
@CG' C.>?@A'+ +@,,') +B' C,' .C@ +@C' -C @' . A' +'B@'
$'@ @A+'?@ >C@2 AD' +' '+-' E@'B-J@D'+B +'+B@' "-> @'-'
%? ?-A ,' . @' +' B-C+' BC +' +- A .B+' OKK< #
& - ' '&%' $ ' ' KO' 'B@' @C@' EC->. B+'-'E '+C ,'B@'
7->,D'B @' ' B-C+' BC +' AD'A-' ->C
%R$ $ 1(' ' ' / -A@' B-' . -@ ' +-'
-A @ -A' +-' ' @C+ A' JC @ +2' 'J@A +@A+' BC + '
D +C +' (U' % ' !BC + ' 3 -AD G

f' & ' ,' $"' ' BC + B C@' (^C@JC@Y
@A+ A.'# ' %' , %H(+B@'D +C +' A' B B' 'JC @ +'
@S) @DBB+ +) -A ' ' B5) , @C2' '@@'J D2'
-A' C@ @ A.' JC @ +,G' E -,>+ -A' BC + +D) A@'
*) &3$, 0(@A+' ' !BC +' >@ D G']' & '
) $"(
> !!' ?) E ' >' ,$ ' PKN 0G'+B-@' -A @ -A'+B@'
#/ @ ->C' ->, @' >AA A.,G CIEE@'+B@GC' BC + E6DC@A'
' -'+B@GC'!>E + >A @' OMOP'+C'<&' $ ') ' *0' 'D) 0' ;OP'
B +' A?' #+B@C .B- +,G' 5 +B@C'B DD@ ,+' A' A @' !> B',U@'
-C+' +B' ?@- 'B ' B C + OKQO' '7 '
0' 0' ;<M B@' @ >, C' JC@ + 'A-+' @SJ@,,@D' C-?'
E 'T')C *C + D +C +' ;PKQ A' $ .0' ,0' $,0'C) 1!0' ';LL2
' ?@' -A' !BC +' 3 >AD G' , +' +-' 3C' & ,@+' - ' "@CG-+@'
OKLK !- 3 !' ' !&3 $5&' ' 0 8@D' O(OMO '& ($ .B+' 'U'
+B +'A-'JC @ +'D-' AG'- '+B- @'+B A. '+B +'E@,-A.'+-' A-+B@C2
@+B@C'+-'B '? A +@C2'-C' A'BE' BC + B C@' OK==)'
' !&3 $5&' ' 0 8;KPK(' ' ;=' & 'O2 B@ @' DE+C +'
,,-+@D'+-'JC @ + ' @C@' ,,@D' JC @ + E,C@ 2 BC + B C)' AD'
U CU B C@' ' O=NO *!"'&%' $ ' $' A'C & 'C& - '
8$-,, (::' =M B ' J C-@E@' JC@@ +2 : U@2 +B +' AG,' A-+2'
-,@A'B@?'-'B@C' GAA@' +B->+@A' BC + , @C2 +K)'
? ' 0 &%' $ 'HHH0';;' S 'OOL' ,,'+BC->.B' BC +b+ ?@'
-C' @A+' OP=O' !!'& %%0' &O "' '&% $' ' ' & '8 3 0(V
#A' !ECG +@' 7 @ D G'
!BC +2' T $ 0 ^ 'JC@ a' $' 0 -' BC @'
' SMSX %-$1 +') 'LL :' ' '. C G'5C @C' BC +' ,C@'
@A+,@ ? A2 B B' : ?@A+-A' E@ > @' ' +B@' C +@'
DC + A.'+B +'@6@C;' ' $'A J .) '. 0 8DDD(;O<'
B> ' :'B @' ? D@' ?G' BC +@D' 3 J @' -A @ ' OK<<' $'
2 7 ' $1!' ';;' 2 ' @ ? CCG'D' %->J,@'B D' '
-G'+--U'+B@A(' A'+B@ C' "@ D 2 '+-' DBC +' -A@' A-+B@C'E@ -C@'
+B@G' ?@'+-. @+B@C' O) <' ' 0 & %' $ ' 6 '=M;'
B@' ->,' ? .B+ A.' + ' , .B+' -C' + 'D--?'E@ -C@' -D2
BC +@D2 # +D2 A@,@D2 AD'B-> @,@D
1 0 @S ' $, 0 , -' ='
@BC@ D aC2' .' K8D Q =@ ' ^+' ;1 ' 1(N'
- ' *2' 8 @A @' M' (' % ' # ' . * $%$1 '
' -A @ -C
$'OOOP)' ' 0' 0'L;M A->B' B +'E'+J' . .@A' -'J@+'J@' BC +'
@D@C' ++@C, B@'>AD@C +-AD@'B +' +>' >,,@' ?@A@A' OL=N
" '10'LK " 'W -,,@A'D-'E@' J@'C@D@' M 'B-,G' B@C B@'&8' ' E@'
B C@' C +@ > D@C@' ' O)Q' 3 ' ''8$-,, (1, ' =PQ
9GA.' DC@D++!00' @A+@'+-'B ' BC + -D@C^ !'G' BC@' D@Ca'
/ -A + A' C&!0' ' B ' 0' *& - ' 8O<NL(OO< -'D-
> B' J@A >A% - J' BCA+ @DU'J@@' -? A D, ' $'A&/+'
' 'OLL' " - ' AD' B@C@'B@'D-+B'& +' GAA@' -'EG ' %BCG' '
-D@C'B@' ?-+@' J +' ?GAA@' 0)LL'C B' , ' $""8SKKK(L'
F>E->'+E G' ,+ UU A@' ,'+B C' AAE'+-'+B C' BC +' @D@C'
SK--' - 6 L' $ &'5 0' S2 A' ,- @' AD' JC> +@' @,,2 7 B@C@'
8E>+' BC + +B@C (' A@>@C' ? AU AD@' +C@ D@ ' OKPL' '
0 &%' $ ' ' 'S ' ;< B@' J@A +@A+ ,2 ' E--U'
B B'-A,G' U + @+B@C' '? .B+'C@ D@' OKKO 5 ' :' %6 #'
?$!!$ '+'OM + -> @'+B@C'+A@ 'B?'DU + +B@C
+'! , X T 3 ' 1 0 $ (I ! " 7 5 i '
G' 7* ?-== 7
%;=MN' C & - *(' C $ ' 0' =N; ;' 8 7 A%B ' 3 ! (! BCG +A@ @2
,& '% &(
!BC .'8 C .(2' 0' $!0' ^% ' ' V' $' 0' -'
,-J'- ' 8EC A@A@ (2' +C J' - '8,@ @ (' +-' +C J' 8 '
+C@@2' C--+2' @+ (' - ' + 'EC A BG'-C' -, .@' +-'
+C J'8 J@C 8?(') B 'J- @ ! --
XM-X ' . . 'C! ' "'S C'S ' ' P;=' '+B@' EC >> B@'
+B@C@- 2 -C'- ')G'+C@@' +E A -C+B'E@' BC ..@D' 1 0'S S'
' 'O;' " A.' +B@ C'>JJ@C?- +' ,@ @' .B+,G' EC ,,@D'
- ' 1 (SS + ' 'OQP' B@' ?@'C--+2' + @+E' ,' D @2' A'
@' +'E@' C + BC ..@D' C-?' +B@' B C@' +C A. ' '+B@C@- '
OMN<] ' - -0 $, !!0 S S 'S 'OLQ' ' ,,' ?@A' @C@' BC ..@D'
- '+B@ C' .--D ' OKQL' 7 '& ' 9 . X = ' ,' 9 ' '# ['<!& (
C % (& - 0((+-' BC->D' -C'+C ?' '+C@@
1 (a*% ?T WJ >D)+-'!@`)M &5'
'#5C ' .' ,. (3 ' , '4 = ' E>+' J@CB J '
8 A'+B@' M+,U % (>. .@ +@D' EG' -?@' J .@' , U@'
?@' -,,- A.)2 B@C@'%& ' f @ C ' 7 +B'
BC @U A.
,'OLQ=' B ' &"!) ' ' ;;=Q8 " C,' 3 ! (2 7 +B'EC-UGA'
- ' ,'B- ' (0 B-C a' -C' BC .E+'^ C ' -C BC .B+B%C !@GD@'
-' C- ,>'DD @' , U@' -CD@' @GD@E'
!BC @U ? . ' ' BC @U
A//% ' ' ' ' 9 '* ' AD' ?->A+ GA@ 'B @')@G'
?' BC .E+' OP<N 1 ' 0' A 0 A' ' PQ' 7 +B' +B@ C@'
J ++@->' ' CG@!2 AD' G@,, A.' BC .B+ ' OP<M 1 0 ' ,G'O'
/C A@' +B'+B + D @' , ->D' AD' J +@->' BC .E+'
! BC . , , + ' !!0' 1 0 ^ +B@C' ' JC@ 2' #C' +B@'
J ' +-' - ' Q ' + U@A' ' A #' - ' BC @U
OSP=O 9 'A' & ' C@'8 CE (LK' AD'G@ C@' DG'
.B@ 2 +-' ? U@'?@' BC .B+' B@A' C@'G@' , U@2' B@A'
G@' B->,D' ->+ +?C+
!, C U@2' 1 0 -C' $!0 ^ ' ' ' F '
! $ 9 ' 1 ' ' 1(8 A' C +' !>-+ 2' BC ,,'
A-+@ (
' 0' &"' 79 ! ? ,,' EC DD@! 7 +B' BC U@' >,,'
BC ,,@' A' +B@' !B C@' E- @ ' ,5 " ' !' ' ;P' 7 B' ? D@'
+B@' B ,D@' +B ' BC U@' , +' +B- '!,@A' +' ' $';P=Q !> .1'
B ' ' C' 8OPPQ(%'*' E ' B@' J , @' +B A' -A -C?@D'
+B'C> >,' BC U@' ' A ' CG@' S) ' &- 0 ") 0
' =Q - +B -?@' ?@, 2 AD' BC @@' , U@' 3 ADC U@'+#?@'
->+' - '+B@'@ C+B' OMOL' 8)' ! ' ' ? C >'
B@ C@' +B@ C' , ?->C' AD' +B@ C' BC U@'= ." ' +C U@ a'
OMPO# ' - 0%& ' $ ' 'S;N< B@' C'E@) ?@'
>,,' - ' BC U@' - '+B@' D@ -, +@' ?-+B@C' - 'O@+B,@B@?' -C'
+B@ C'DG A.'O E@
!B ,) @'8 C U(2' 01' , -'q Q' E+@@U8@' ^ 3 '
C@JC@ @A+ A.'# ' , !,0') ,'8.,- A.' 'T +ACDA 'H'
B B' 'J@CB J'> @D' .@A@C ,,G' -'C E CD 'B A.'
BC ,' C @ ' . AD' . 3 &, ' C@'D ,2' A ?@'
-C'+B@' ? @, +BC> B' % ' !'
' 1! . . $(B B' B 'E@@A' -? J C@D2' ?@ A' A- '
E>A+ A.' 2 A- +' BC U@' a
AG' -'+B@' ! ' -'+B@' A>?@C-> ' J@ @ '- '+B@
' "&

2 $ ' - A !2
! D 5 2 I
3 / ! 3 /),
+ . , 2 / 4 + 8%+ 2
! D + , * !$
' !) $ $
5 , B ! F M M
$ I D E U8@D !BC U@2 $ ') ,&!!) &0
5 K2 / @ 3 - ,,CDJ +@ A.,)
BC U@2 AGA ?>CD@C ;P<K - . ! <00 *$)E "
U AD - , A C@+ B >U@ ,,) BC@@U@2 -C A A@ ?>C+B@C
;MQK !!) 1 "> - 0 KQ # +B@ 0>C-J @ A $ J Y
-> E CD + +B@ ,@ + A A., B + ,,@D !BC U@
QQM I ? 0 N&& MN= B@ 5,> B@C2 -C C@D E U
!BC U@2 AD +B@ .C@ + !BC U@2 EC@@D +B > ;KP; 5 #
= ? 0 ? OO< C@ + !BC U@ ^!GA a C@G
!BC U@ C@ + C@G !BC U@ E -,->C@D !BC U@ C@ +@C
0>+ B@C E CD 3 >CD@C) & @ !BC U@ !BC@@U ;KPP
8 $) ; 2 B@ 3 G ,G +-CA EG +B@ ,,- 2
+B@ J CC- J@ C D EG +B@ BC U@2 KMN
<$ ' $) 0) $!0 OK) B@ > +C , A !BC U@ -C
0>+ B@C E CD2 , - ,,@D $ A E CD EG +B@ -,-A + = $ ' $
), & N $ E $ 0 0 O< B@ "@,? @+@D
7 --D !BC U@ =C &'& +0
! S / 1 0 ($ $!0 '] b !5 /
2 /] M 2 $ KP 99
* D +$ T , ,$ '
) $ 9 1(+ C - 1$ . .$ E $. !H #
^J + (! G $
0&& ' 0 &!!0 & ' 0 K , B ?? A B A B @ E@
? D B ,D@E +#AD@A BC U@) AD C@>, B@E,. AA@) , ;LNN
C& (& ' 8% ?D@A(;PK "@- E . AA@+B +- BCGU@2 A+
C@ ? @+B A-A2 , ;=NN 0 & " ;O<QL !B@A@ EC DD@ A
B @ !BC U@D >,, ,- D@ ;=Q; L ,)" ! A - 5 5+
=KP B@ , D @ BCGU@D AD CG@D D-,-C-> ,G ;PLN
. QNP O !B@ BC U@D - ,-> @ +B + ? A ?G.B+ B@C
B@C +@AA@ B-> @ - ;LQM 3 ' OLK^ + C>++ A.
+ A@a 0 D.@CD BC U@+B P<L : ,.!!" ;KL
.B+ 8 / , BC U@ ;)O< < B. &!" $ 0 OKL - EC AU
AD BC U@2 + @>@CG J> B AD JC U@ <MQM ' ! $
SS+ ;L C @ -> + +- E@ C+B@? .C- A AD BC U@ ;KOK
$ ' <!& (SKWW $!$ ' <!& (5
! 9 1!0 1( ) **!0 $(
, ;LQ= B &") LKO $ >@A@ I> ,? -C ECGU
" ' [0 (BCG BG-.@a - E@ @- ,G , 4═NC & - *0C$ 0
==< ; ! BCGUGA.@ ;PLN . < OMQ O ! BC UGA. -CC-C A.
->+2 , "(;PQ< 9 <!& (& C ' * 0 $! 3 G
P= & +@-> ->+ CG@ 2 AD DC@ D >, EC U A. ;PKL 7"
# & - - $ ' ' (;= %BC + D--+E C @ JJ-A +B
!BC U - . ->JD@ ;M=K < 7 ' (K< :>D. A. @ @CG
CG2 @ @CG B- "A. \ EC U A. A , C? +- ?G D@ +B
MPN ' 8 .. < $ T ($*! ; QN !BC U A. 2 AD
E- , A. 2 +B B-CC D >C @
3 ?)5 .$ K $ 9 (*
' ! +
KM)& +2 ! U\! ? I0C Q #) 3 ;L &!$ ')
- ! &* " 8" -A@G EC- @D !BC U@,@+(
8*C ,(2 ^ ! U X % .
BC ,, ->AD2 CG2 B +,@2 @+
.J 1) ' & - PK;2 B@ CD -G @2 B B
,->D,G +-+ ?@ ,,@D2 B + +B +B@ >DD@A BC ,,
JJ ,,@D ;KLL 0 I $ $ ($ ' ;QN B@ CG
BC ,, - +B@ :@ ' B CJ 4K<L & ' * 0 ;< A@ @ @,@
BC ,, - CB- % , 2)NN= = B7 < % 0 2 B@
,, @ % 6>? @AD@D +B A , BC ,, - +B@ J J@ 2
B % - ? E BC,6 @ A !! ' 3& $ '(
;K) ! & ' , $ " ;M) A & ') $
+B@ BC ,, @ A ^ a ?J,G E- @D A +@ D - ! B J@D
(=)5 ./ " '] S /] b
2 / b ? / 2S / 2 / M 2 /
+ , / M _ ! / _ $)
C K8+$ O , $ %
/ , $ %) % $.=
% 2. $ B(
%$ 2 /
>G $
, ;LKM B) ' C ((;QP 8" @A. C+ 3 ! (2 @ ? D@
B@ A@>@C@ B- +@ B , - BA,,@ % !! - 0 = $ ' 0
8 (B 68@a 7 B@A _V + +B@G -,D@A AG ,@ ? GA. U ,+@ , ;=NN
^ @@ 1((S = &5&* 0 8;<N=(;P ,, -G @ 2
.C@ + AD ? ,,2 E @ \ BC,,2 @U@ -C - +@ 4P<M
$ - (. (AD =K BG B->AD B ,, @+ B BC ,, @ B- @
C- ? +B@ B-, J @ C+B MMS 3 .. 0 ' - 0 P ' 0
.-.@2 B + ^)C +B@ AJ @a - +B@ E@@ B> ? ? A.2 E>+ +)
BC ,, A +B@ A @B-JJ@C ;MMQ = . C((3! > B@
BC ,, 3 + A !JA. # 0 CD 4Q=O .. !0) ->D
,-A. +B@ ,@ B@ CD BC ,,@C BC @U SKM- ..
<!$,(OO< B@ BC ,, B CC>J A. - AA>?@C E,@ A @ +
SWKW K = . L) 2 ?$" 2 @@+2 , .B+,G BC ,,
DJC$A-
;$ +
/ / $
9))! $ $ 87 D@ 7 (0 E2 3 G EC@ +
BCG,, &5 - $ ' & '& $0 SD-S 0 ; ;M2
B@ C@ -A.>@ BC ,,@C +B@A ,, +B@ 3> U@ %CG2 %? C
SM- C (" & ' - & ;;; 2 7 @@,@ E@ BC ,, G-> +C U@
: C>?2 DC>? 4Q) 9 . 3 S, S2 @+ +B@ BC ,,
0 CD B " -A->C C @ ;QK= 81 $. PM< B@
C + +@C>? - +B@ D- U' BC ,, +BC- + ;KLQ Q .3. 0 (
" !BC ,, -?@A CG B ?@ -A > ?99 " &*
ONQ %B>C, AD A-E,@2 ?C, DG AD BC ,, , B @ 4<-S
$, - ($ 0 JC ==Q S #A@ - B -,,@ .>@ E@ ?@ BC ,,
-A +B@ >E*@ +
!$? d", !5 /
S.DG $) 8) $ ' & ' # C . $ 8;PQ;(0 > ,) 7 B- @
@C+>@2 +B@ BC ,, 6C>?J - ?@ - CC@ E +B E,- A@ ;MNL
I - 6 L !(2 ? E, A. ,-A. +B@ ?@ D AD C @C
BC ,, L% ' < .(A LP; 5 C@ @,, +B@ A@ .B A.
!+@@D2 AD +B@ BC ,, C> BJ@ ;QN= 1 ' & &
7 AD +B@ BC ,, E-CA SKS- $ ' & SSS2 B@ E, +
BC ,, E>.,@ % < = 3 "$,&1 $ %)!,V55) \

B@ BC ,, B +,@ - +B@ E- + A AD B ? +@ J J A. ,,
B AD +- >A? --C
%B C +@C X@D -C -?J A @D EG B CJ B .B
J + B@D ->AD
!> 1 " 0 + ;N;L !BC ,, @ + C @ - *-G2 SKS
0 $ (2 S 2 @+ AD E@ BC ,,2 ,@+ @ C-,,
B .B ;KLQ . . (0 2 BC ,, @A@2 E>+
EC @ -A@ ;K== : 7 . & . ' A BC ,, AD E> G
B-+@, 4KMP) ((2 B@ A .B+ E, U
AD BC ,, OK<L C!$ & & A.,@ D G - -?@ B +
BC ,, . @+G2 E@+ @@A + - D G .A A+ ?->CA A.
! A C -> +C A 2 JJ, + -A 9@@A B CJ
J>A.@A+ J- .A A+
SM-K 1 .. * ' PQ BC ,, AD) I> U@ @A @ -
B@ C A. ;MPNS B7 5 , ' 0 D? -A2 " - 7 EC ,,
C@ ,@A+ +@ C ` 4KM= &"$ OO B@ DG'
B@ D >J-A +B@ JC- % >.B+ +B@ BC ,,) + 4NN= 3 ' 8R
. A) ' > A) & '(2 B@ %->C+ @A+ +B +B@C ^ (+-'! +2
ADC@ a +B C -> .C@ + C A +C A2 B- @ -AD +
+BC- @ A +B + BC ,, C
P & - 1: !!3$,, ' (3 - &) (3 & ' (
3 & ') (3 & , D* BS ,, E +@D2 +B
BC ,, ->AD - - @ A +C @ BC ,,Y
EC@ +@D2 .-C.@D2 BC ,, - @D2 BC ,, +BC- +@D
;K<M V0 ' $;MO A-JJ-C+>A@2 BC ,(V @A+@D2
B@ C D + ? C+B ;PKO B ' 0 OL
+@ +B +B@ ?@+ , D--@ C@ U@ A BC ,E +@D B C B A.
> "# (! ' %1 0 $ (" OE2 ? AG -C+@ - BC ,,
EC@ +@D E,CD@ +B@ !>??@C E +B ,,- @D -C C A. A. ?@A
A B C ,> A@ B JJ@, ;KPP $) . 2 E@
BC ,, @D.@D BC @U - ?-+B@C SM-W !(($
PK B@ EC ,, .-C. 'D CU@ SM) 8.) +C &)% >
$ 0 ' (<PL + ? U@+E BC , , U@ A- @ +B@ -+B@C
U AD@ - A + D- MLC C B . $!) # C 0 m;MQK(K=
B@ E) ,, ?->+B'D 3> U S! 9 . C& - d"L 8:) (
BC- A .B+' D ? C B)+B@ BC , +-A D SX A C A. ;K=K
$ ' 0) + 6 2 B@ BC ,, +-A@D E@,, - +B@ D- U2
S*) ' 0 = (K=- U@) BC 6 +-A.>'D J +@C AY
@C A. @>@C @ ,, 4Q=L . < $ P) B@ BC6B+-)>'D
!BC@ L O = . ?) 3. ;QM B@ @ .@C2 B> +>A.2
BC ,, +->.>@D C- D - +B@ -,+ U@ A .@ $ $%&O B
- ' 8 C& - 7U 8SQ (LQ B@ . DG B>A+ ? A
AD B) BC ,, +>$ 3 B-CA ;L<L , . 0 %
QP 7B + BC6, -,J'D !>JJ" A+2 J U@ +B @ .@C CG
;MOK $ " 2 ' > * $ - - ;PM LL B@ 7 -C,D' =N
>,, - BC ,, -G 'D A., A. ;Q K =M * ' P)
B@, C +2 !BC ,, --@D AD ,->D SK = 9 . (
' $ OQ T 3 G B> E AD +B@ BC 6 - @D C@J,G
O $
7 +B BC ,, - @ -C+-A@ BC ,,G -7C C)
;L & (L<<< 5-C -?@E@. A +- , .B@ BCG,,@
4# & (4LQM T 3 @C G`" B@ CG@D ,->D@
AD BCG,,@ , b & , . & ! ?0 ;= B@ E-+@ ! GA@
E,@ @B ! BG +@,, >,, BCG,, ;P< :)) (? 2 '
7U 8;<N[(OKQ B@ E,--D - D @ > + E@, C @D ?- + BC ,,
A +B@ @ C@ - +B@ C .B+@-> -D ;MLO = . !! &
PM BC->.B +B@ B .B --D @ B- A. BC , 4Q= ..
!0 + S- !BC , C- C'D +B@ AD SK X V ' !) T0 SS
3 @A , >.B@D ,->D2 AD ? D@A . . . ,@D BC ,, ;KO<]
' ' &*<(S 2 JC-? @ G-> +B@ AD E,@ BC ,,2
E F> , G A. JJ, D* > @D ++C E 8- +@A
BGJB@A@D(
PM : ' 8) C & 0 8;KMQ(;PO BCG6 BG +,GA.
@A B@ ;P) ' 0 (1->C BC ,, BC U A.
/ >.B+@C SM- $ - 0 ;P; B@ %- U@ +B E
,- +G AD BC 6 ->AD,A. ^F- ;MNL BC ,, C- A.a BC- +@
O%/A . 8 &* 0 ; aS 2 ! B), >CU +B BC ,, B CJ+
3 ++@A C->+@ C- ? 0@D ! -, -C @A+ "@ D P O %> =
$ & ' O<K 7 B ,@ +B@ B CJ +C A. AD BC ,, J J A. C@@D
+ ,, ->AD@D ;KQK $ D) & % C& 4NP B@ BC ,, E,- A
+C>?J@+
O %,@ C,G2 EC .B+,G 1 0
4L 0 (! $ 0 & KN 7 G+B BG?@CGA.@ B@A@ >,
BCG,,@ E G BGAD@
! +- 6 8 C *(2 T , - = BC 6 @2 = M BC 6 @2
P BC@,,@2 ^ U+ ,,@ a2 ,>) ^ I Q.. $(
% 2 , !! ' !H
' 0 # - @2 G+ - ->AD BC ,,G
"@A @ - A- @ 2 +B@ AD2 -C +B@ , U@2 -C J,D @
@ B- A. +B ->AD
4L VT E 0 QQQ 0>, ,A @D # ,->D@2 B + B + BC ,, +B
A+- +B@ ,->D@ m O / I B ' LP B@ AA@C
,-D) A DGD BC ,,@ +Ej , ?-? B- + A. 4P<4 1
(< ' $ P;K B@ C ? .B+ @ +C-U@ !- BC ,D2 +B@ .C@ +
, J - +B>AD@C ;M=Q " = & ' &% &)! JJ
+ +@ C A. A- N - +@CC ,C G D D BC ,,2 B + + +B@ B@ @A
D D B U@ ;QK< = . C &% 0 A 0 - - $ 2 7 B@A +B@
@? ,@ C@ ? @AD@D2 !BC ,, A. -'@C +B@ C- D@D , A
+KSS & ' & ,. 2 0 S S2 5 C + BC ,,'D A>AC@J@ +@D
@? ,@ BC @U S! & , 0 ON[AD2
+B + BC ,, ,, A .B+ A +@ , AD ;KK= 9 ..
? ' 3) " - @ BC ,,@D +B J -A
O - J@ U2) 2 -C A. +B BC ,, - @ +-
? U@ BC ,, A- @
$ # J@C -A -C A A ,
, ;=NN ') & 0 S, + 2 J@A@ B ,@? ?) -A@ ,- +
UC ,,@ AD UC U@ a 4═N !& 0 ?!(83 ! (QPM &@
? GD@2 , -C DC@D@2 0G. A +- BC@,,@ $! (A@2
BC E@Aa AD +- .C@D@ OP<P 1 * $ K B@
>X@,, BC ,, 2 +B@ $>DD- U CE,@ - + ;L<K - . !
A)) !$ 0(& BC ,2 +- B CJ ;ML< " 8 ' ' &%(
C 0 OA E- +2 BC ,,2 -C CG ,->D -C ?CC- ;KLQ
. . 0 0 C 8;KQO(K; B@ C E>A@ DC-A@ 2
+B @ B-,@ " ,, BC ,, A. >J C->AD + A+- JC@++G C@ I>@A+
C +B AD JC- - + -A ;K<M B ' !$ ' > ?) ! '
2 B@ ? @,+EC> B B + BC ,,@D - .,@@ >,,G2
E # A A +C>?@A+ - ?> 2 B +,@2 @+
> ! " 1 . .0 $!0 - QO OC@ U@ @ ->C JGJ@ 2
+B + BC ,D ,- D@ W CU@ OP<N) 0 A 0 A ON
B-?@2 +B + BC ,,@D ,@ C@ BC->.B->+ +B@ --D ;QSN
. 1 C$ & $! PM BC- ,, +B@ 7 --D B & J@
B@ CD +- BC ,, ;K= < $!$ $ R B@ B ++@CY
A. +C>?J@+ BC) 6@+E B .B2 I < & 2 C& - ;NN

B@ C + B CJ A- E BC ,, A. +BC->.B +B@ +C@@ O<NL
: 1. 7 *C $ & ' 5 B@ B +,@ BC ,, +- +B@ J U@+
&% (- >++@C2 . @ -C+B 8 ->AD2 CG2
-CD (A BC , +-) +- @S , ? -C JC- , ? +B
BC ,, - @
> " 1 * $!0 ;O< " CU@2 B- +B@ 3 A +C@, . A
+- BC ,, ,->D B@ C ?@CCG 3> U SM-M 0 0
6 K= " CU@ " - 7 J#-C@ ADC# ? E@C > , B@C D-,->C
-C+B ;MSL ' 8) ! ;;; BC->.B ,, +E
EG @2 B >@) EC ,'D +BG D >.B+@C M @ ;M;L] ? $0 ' 0
;; 2 7 B + E ++@C A D@ C E@ B B J@ AD +@CC-C
B@A ,, +B@ J ++ -> , ? ->C BC ,D +BC->.B C@@ @
SK-S) ' $ ' ;QL B@ +@CC-C - +B@ @ +B@C@D +C E@2
BC ,,@D ? +B@ -?@A - A JJC- B A. +@?J@ + SKSQ . R
) 7 ? & 0 0 SS 8;KKO(ONP A + 2 E@@+,@ 2) J 2 ? G
BC ,, +B@ C + AG J J@ >A B + @D AD >$A-+ @D $ J>
. . 0 0 2 T 3 @ @>C '2 BC ,, D@ ?59090
O<N= 3 ' 8 . A) ' G A) $; 2 ,6+E A.+-A , U@A@D
B@C +- / A -A G.@+> BC ,, A. B -
! - C@AD@C BC ,, $ Y (
BBO - $1&1 &C-, 7 U ;Q<< OKP .@ -A+C +
A ?>W ,@ 2 BC ,, ?G +-A@
. - >??-A +B !BC ,, ->AD2 $, > 0
K /O = ? 0 & ! 6 ON= B@ J EC- B BC ,,
+B@ ? +- +B@ -CU +B@G D-
! B C 6 @ D 8:C ,D(2 * * !0 $0 $ P0 ^ ((
AD $0 i / a ! ->AD@D BC ,,G2 E 3 D@ BC ,,
O 0 = . 8 G ! ;; M 5-C :-A. BC ,D
+C>?J@+ ,@+ G#>C A-+@ C@ ->AD SKK- 9 .. ? ' 3)
==M --U + ?G C AU,@D @ 6 +@A +- C G BC ,,@D - @
! ,>D 6 A . (0 10 ^ 9 " 0 + 0 i # ; a
B@ >++@C A @ - BC ,, ->AD 2 B ,, CG A.2
B +, A.2 B CJ A.2 @+
OML< " 8 ' ' & 0 C 0 S, O !B->+ +C >?JB A+,G
) 8*- +B - @ - BC ,, A. ;QQQ C& 0
8@D O4OQ B " @S >C @ BC ,, A. - -?@ 0>A> B +BC- +
;QQK 9 !1& ' S, 8;QK<(OPO B@ BC ,,) - +B@
@,D C U@+ ;KKQ / % = B \ ' $ 0) '
S OP= B@ ? D@A @D +B , ?-C-> BC,,6A.
;K<L $ &% ' & ' O; 7 , A. CG B A
+B@ E + " U@ BC , A. - +B@ / @ D ;<N4 7 F . B B
*> 0 2 B@ BC ,, A. - +B@ @
& - 1(BC ,, A. -C. A2 +B@ ->JD) JC-D>
) -C. A - ? ,@ % D 87 @E +@C !>JJ,2 ;<NO(
! B C 6 . 2 , , ^ .. " 7 A V
6 ++@C A. -C JC-D> A. BC ,, ->AD ->AD A.
BC ,,2 +C D>,J>!
A I %). 7 WTW *)! % SS =M !BC ,, A. [@JBGC> S) -
1 0 A 0 M BC ,, A. +C-?J@++ 1 (.
O< 7 +B BC ,, A. !EC @U@ ;MLL & - . C (0
(B@ , D 2 7B- @ BC ,, A. J J@2 -C - @ +B@ @ Y
E-CA ? D@A ., D OQS= < S * 0 . 5C D G +-O
!BC ,, A. %C U@+ A +B@ B ?A@G C @D A>%% < .) ,(
(SS 2 - ! ->AD @C@B@ CD J>+ - +B@ BC ,, A. &- U2 AD
+B@ D@@) ? ->+B@D + B D-) K-K $ - 0 SS 2
B@ B-C @ " +C ?J AD + A., A. , AU2 AD B C.@C' BC ,Y
, A. A@ .B OKQP :- C !$ & 8@D O(" ! < B@ ->,
6 EA,, A. CG2 J @D , U@ ? -U E@A@ +B +B@ @ C+B
O<NK ,$ - " OL 3 G KN< ; B@ +B- ? E6 B@ E@. A +-
C> +,@ E@ -C@ BC ,, A. AD
! B C ,, : S 8 C " :(2 $0 ^ ' ;X i O a
!-?@ B + BC ,,
#/ J & - * $ ' - 0 ;=; %C @C +B@C J +@ B@ >@A
+B BC ,,, B BC U@ OP) 3 2 < 3 C !&* * %& (
8OKQK(MK 7 +B B ,, E A-+@ ->,D J@ !+ G A-C +@A+ -

! , C 6 A 0 ! ^ ' $0 N ") V B@
I> , +G -C -AD + -A - E@ A. BC ,,
O) J SG +C <) $00 0 & ' 0 > 8OPKM(PK E2 B- @
- & @ ? ->A+2 B- +B +B@ BC ,A@ @ - +B@ C -CD@ .-@
+B-C- -A@ @ C@ ;MM= " = " 0 ' D0 OL< B@
BC ,A@ ! AD J@C +G - +B@ A- @ +B@G ?) @ OQN< $!
- 4PQ M B@ !BC ,A@ AD !B CJA@ - +B@ !J>AD OKLQ
. I 0 (;; 2 B + ,,A@ .@++ A. @ @C
EC 6 ?C OKLM : $ * !0 E M< T A.2+ A. +
? @ !@ -AD C@J-C+ ; UA@ + +B@ E ,@ 6A@ EG +B@
BC ,,A@ - +B@ A. <NL = . < !$ & ' + LL<
% CD @,, DD A. +B @C+ A BC ,,A) +B + ^@+ a
! B C 6 G 8 C , (2 % B @ , G _6 7% %
i a f ! "
4P<= $ Y 8 V FL D<L ! - J U@ B@2 AD +B B ?
@,UV C@ ,,2 -A -CD A. A.,@ A BC ,,G ->AD OQQM
= . +C $ - & ' T %) $;OM B@ +C>?J@+' BC ,,G
, A.-C ->AD , C? SK M ') - $ & % $ $
SS +2 B@ ,D E CD EM>+ B ? ,@ 2 7 +B BC ,,G C@ ?2
OK=Q %$ % " SS2 E) 2 BC ,,G !->AD +B +
C A C- ? @AD +-@AD - B-CA @,D " , OKKQ = " (
4 =NK B@C@ ?@ >J-A > + + B@ BC ,,G @ + ,->D
J J A. +B +B@ C> B - ? .B+G 3 +
! B C ,, G 8:C , (2 $ (^ ! *+ $(N ". O a
7 +B BC ,, ->AD -C > +@A ? @@ A) J ,, +-A@
+WK ! , ' . OL B@@ >+ B >, BC ,,G@
C@E->AD@D 7 +B ,> B , B E>S A.) OPKQ B 3 $ 0
$! OQ D-,@ >,, A-G @2 # -A@ +B + A +B@ .C->@ >,, EC, G
CGD@ ;MNQ 9 - & ' OPP B + E@ ? G A@>@C
? -C@2 ->AD B F> ,,@+ BC ,,G XM) " : & ' & %
& ! ? S, 3 ->A+ >J ,- +2 ?G 3> @2 AD A- ? -C@
BC ,,G A. Q<< .) 7 ' & ' , E && - 2
B@ .,>+ J@,+ A. -A +B@ ->+ B-> @ B@D 3 U@ +B@ - U
BC6,G) ? +B@ C)>A +-C? C- XKSK T ' - &) 2
B@ J J@ . - BC ,,G2 +B@ , E + -A ,- O<O< ' ((
: A NL " @A@ ? @ @C@ BC ,,G JC-+@ + A.
! , C ? 8 C ? (2 0 - $!0 ^# , - - $ '
8-A,G -A @(= ! 1 .AD " '1 AD
*$ 0 - BC AU -C BC @, A- B @ ,G A *$0
**! 0" B ,,@D2 E@A>?E@D
, ONNN $5(3 0 M ! A-AA@ - + +- B-??>?
! C ??@ \ C A @ OK=M 8 7 ( ) V * (&* $!0
OK " @ I> AA @D2 +@,, : @C@ A .B BC ??@D +B B ,--U
O) Q ' .. 9 ..! - - (B ,,@D %-CA OK<N <!&) (

[illegible]

[illegible]

[illegible]

QNP O' " @ C U@D -C@ @ ?@ BG+B@C +B + B@ -,D@ D-
? C G,,@ 2 E>+ A- @ B@ BC-AU@ GD@ A- ? A A +@,,
BG+B@C ;PK L 8$B@? (:-BA 2 ;L ,@) BC-AU@
D@ C-?+B@ ?>,+ +>D@ ;PKQ X) 8 +C ! & &)
8;K<P(; 7 B@A WB@@ B D +B> D-A@2 B@@ ->,D@ B @
BC>AU@ G ;MNL : . .) . ;NLK B@ " >AY
. C A @C@ ,?- + ,, BC>AU B-?@ ;MNP 1 !!
&&E ; ;2 <& 0 7 B- +B + !BC>AU@ + ?G @A+CG B@C@
00 " ' 0 " @ BC>AU@ A-+2 C2 B E> A@ ,,'D B ?B@A @
;MMN 5 +C ?!$ ' , $ / LPP B@G +--U +2 AD
BC>AU G - A +B@ +) -A .2 ->,D A@ @C B@ C ?-C@ - +
;KOP ? & 2 " @ ? AU C-? +B@ B ,, +- +B@
@ ,> -A - B - A -A @A+ ;KLQ . .K / (
3 G)C 0 ,,G ., D,G BC AU +B A D--C ;K=K
$ ' 0 $ S, 2 +@C B@ B D B-?@ ->J,@
- -A 2 ^ B@a BC AU G A+- , @ - D@ ->+ @ ,> -A
i E & ' . &) & % \ ,&!!$ +- E U -+C+2
@ J - A @A+@CJC @ 1 0
;MLM 8 & - 0 - % 0 LKL !-?@ J- @C >,, &C-
+@ + A+ -?? AD@C B- BC>AU ->+ - +B@ -,+@C -
-E@D @A @ ;MMQ 1 $ " Q 3 G2 ! C 7 &@A2 , U@
,) C-.>@2 BC AU A. ->+ - +B@ -,, C22 - +B + +B@ B-,@
-D >? ?> + ,, -A ?@
$) 0 # +B@ AD - E,- + >,,G -C
A .> + 1 0
;MOQ 1 $ < $-0 S L< B@ AD BC AU@ 2
+B + 2 B@A G-> ?> + + U@ A +B@ !JC@+ ,@2 AD .@+ +B@
+ U E#-CD OM<K - $ (' $ C 0 ;N B@
7 AD BC AU >J-A 6 C-? - +B@ %- + - A@ OQNK
&& ' & ! 0 8+G-!(O; 7 B@A +B@ ,@ -
--D 5-C+>A@ BC AU B@ ,+@C B ->C @2 % O I %--9
&"0 / $ LM B@ 7 AD BC AU A.2 AD E,- A. - +B@
, AD A !I> ,
2 - DC 1 ,. -C . @ 7 G - +- - D
JBG , -A+ + -C -A , + +- C@ - , +BC->.B
JBG , @ UA@ -C , U - ->C .@ -C +B
EB-CC@A @% & - 0
OPSL 4V#6 ! ' 5 S + 0 , 2A-C ,+ BCGAU AD
-C +B@ ?-C+ ,@ DGA+)OP=K ' B. &'0 '(!!
;P)N(M- -+ ++@+ ADGA. +B + +B@ $-? GA@ B-+ .C@ +
-+D A >A @ 2 G@+ +B@,?J@C ,,J@C -A@ A@>@C !BC AU@2E>+
? A,G @A+@C@D +B@ OG, CU@ KWM ?) &' > $ " 8;KOK(
: OMP " @ J>+ ->+ E +-A.>@ @CG ,, A.,G2 B>+ BC AU@D
, ++,@ B@A +B@ CJA ?@ >J ? A -C@A@) OMQN = .
0 ' (OLQ + E ?@ +,, -C 9) +- E-))+
E,@2 AD BC AU A).B+ OQQN < .) * 0 !!0 =<
!BC AU A. C-? +B@ J- ,@C' B AD 5 C2 + G2 +BG
B ,DC@A ,@ @ +B@ , AD OQ<= = 9 . . 2
0 T : ;LL + +B@A >CJC A.2 +B + @CG D@ C E,@
-? A2 +B A.> A@ -A + +>+ -A2 B->,D BC AU EB-CY
C@A+ B-? B+ @?EC @ ;KN< 7 Q 3 7 V% ,. 1T 2
2 7 B@C@ @C B@ @A+2 +B@ @A@?G BC AU E@ -C@ B ? \
V ' 2 0 2 !B@ BC>AU 3 U C-? B W .C J U %
.3 . K $ ' !0 8;K<=(M= !+C@@+ 2 B B --+
- +C @,,@C BC AU C-?2 -A B-+ J, +@ BC AU +B@ E@ C
OK<O <)) ' > (' 0 ;= B@ -,D @C @C@
+@CC @D AD BC>AU E U
E -. @ G +- -" J @ 1T
OPNN 1 0 A 0 A S ;N " @ A @,G +C-D@2 +B-?@
, G A B G2 #C +B + +B@ ,-C@ +- BC AU@ B@ D D >G @*
AD -A EC-U@A C@@D B@ + ,, D D + G " @@E,@ +@J 2
B B BC>AU@2 B@A B CD +B) -A B@ , G OMNQ [
& 0 ON B@)->AD)>?U@ E@ -C@ B6 C@ D A.
@SM - C &- ' $ ' ;<= $@ -A E@ A. -A I>@C@D EG +B@
@S @ @ - -CC- @ BC>A U@ SM K $ $ 8" U,
!- (OOK #>C A@ , BC-BU -@ + +B D G 2
J>,D D- A@
K -C@ > @ -C B@ + +@ +- + A +B@ @ - AG
+ , A. CU -?@2 .C @ -> 2 B-CC E,@2 -C D + +@ >,
+- C@ - , ?@A+ ,,G -C ?-C ,,G
, ;=QN <&!(D <$ &T ONQQ B@ @.@ +B + BC@AU -C A
E ?@2 +B@ B@A+ ? .BC BG? !%B@AD ;PNN" 3 B
C& - SS O< B@ +@,)->C ?C+) ,6+ ,, BC@AU + ;PLW
3 . @S + K " B@C+@ + E, ,) 2 B@ 6 A-+
BC@A U@ OPQM <I:OD 7 < %8 6&" /@D 2 ,, +B@A
BC AU@ -C A- J GA% >A+ , B @ +-> B@D ,+ +B@ -??-A
J, @ - ? A J@CG,-> J,@ >C@ OSMOK 2
& %0 8 ML=(LNN ? A J@CB J ,, E@ C@ ? AG +B A. -C
$@, . -A2 E>+ + M?@ +- D@ +B2 +B@C@ B@ BC AU@ OQK=
81 $. WOL 5 A G BC) U + +B- +B->.B+ #
> B .>,JE B@ D@ .A3 B .C @ OK O . . 3
&'& , 2 7 BG, A.@C2 BG +>CA E U2 BG BC AU2 ?G
" @ C+ CKMK : $ 0 .B %0 0 ' 0 P;P B@C@
?> B B B ? .B+ ? U@ .--D ?@A BC AU AD B@ + +@
E C@I -A +% & - 8- +@A .- @CA A. .@C AD(
: . . 1 C$ ' < !! KP< - CI>+A UA+.B)
A@ JJ A A- 2 B ,, > @ ?@@ BC AU@ C-? D>@+ @ D>@
) 8& + -++ @(' 0 ,& 0 8! ! (L;; LN
- > @ B ? >@C>@ #C BC AU C@ -AG J C+ - B +B+
A %BC + :@ > 0Q=0 0 < % =K B@A +B@
+ ?@ - BC AU C-? D A.@C OK;L .0 $ 0 8@D O(?
-A A) +B@C@ C@ ? AG2 B- ->,D BC AU C ? T+-?B .
->+ A +B@ ? AA@C G-> B @ D@ C E@D SK K 0
0 &CD 2 B- E +B >?E@C@D +B@ -C,D +B B D@ @ 2
E>+ BC>AU@A C-? +B@ C@ J-A E 6) +B@C@- ;KM< - K
3 & - 0 &'D0 8OKQP(OSP B@C@ A- C @
C-? B B 5C@A B J-, G - A + A + @,G BC AU OK<O
(? ' OKP #J A -A 2 B B B@ A@ @C
BC>AU C-? @SJC@ C A. 2 ;<;L - ;<# + Q = B@ J-, G
- @S ,> -A C-? B B +B@ O- CD / .C >,+>C@ B AC>A,>
-A +2 $ 0
A/>% < 7 &&- &&- $" 7U ;<;N =L;
+B-> J@C @G @) G ? A +- ECGAU@ + D@$+B B@A
-??@+E $ A%A/ - .) - 0) (:B @ @@A
B ? D- > B +B A. 2 E@, @ ->,D BC AU + A>JI 1
0 $' OO< B + B JJ @C A +>C@ BC AU + +B
C .B+)OQKN & - Q; B + D@, G B B ? D@
B ? BC AU + +B@ D@ - U A. J@ >A CG ->C A JA
$ ($' (S 2 B@ E + ->,D A-+ BC AU + AY
@ + A. >J-A ?@ +B@ D@ +B D>@ +- A J- + +@ A>- O)
') 6& ' $" S + , + B@ ? D@ - - EC@ U ?
E@ A. ' , AU H 5-C B@ - C@D> @D A X@ + A-+B A. B@
->,D BC AU
D -A +2 A
OP== C , * $ A SS> E2 5-C +B@
@A C@ @ - B C@A- ?@2 +B@G G,, A-+ BCGAU@ +-

E@ +- @ AD J@AD@ +B@GC ,G @ OP=< 3 . ! @+
$ - 0 C$ 0 ; & 0 =L -C BCGAU@ G@, & + U@ J GA@
;MNL ' 8) & '0V !! 2(V ' '0)) - ->,D A-+
BC AU@ +- J@AD +B-> AD J->AD2 - . >@ +B@ 3 ->A+
-CD A ?@ - D@@J o ->AD OKM< 5 7 (8 0
;NQ - @, + D- A-+ BC AU +- +@,, +B@ -C?) - B@C- -C
B@C- A@' @ +>C@ OKQK 8 $ $ $0 OL 7 ->,D
; BC AU +- ,@ CA ?G (* @ + ?@' , ? +] D G 2 @@U 2 ?-A+B
-C G@ C
; " 7 3- (<-=-0*-0 70 0-3-4U *7 ?(44 *
<E*+ 70 (44@(D-@ (L-0=7
!!K 2 9 . 0 8;PKN(90 1->C ! +@C ->,D A-+
D--) @C D>@+ @2 E>+ BC AU@ @ OPMN B +C !
$ ' > & - - 0 ;OL B@G A A-+ -C U@ A-C BCGAU@ C-?
+B@ +C>@ D- +C A@ 0 OQM E2 7 B A B@ .-A@2 +B@
@,,- @ - +B + -A) C) BC AU@ G ??@D +,G
OPQQ " +A>?+ ' ,0 0 0 ;SK !> B BC AU@D @C@
+- # JB-,D@A AD >C@D ;L<=) , , 0 !!T
OOO " @ J, G +B@ @ DC-JJ@C2 - B@ C@ AG ?@ A@ +-
BC AU@ C-? ?@
C 0(=*)- ,1(4+ D(E=(*)-/ =- =-=
: 7 D(E=- *7 D7 *0(D* 3- 0-< --< = I-
)74E1- 70 -R*- *U *7 D(E=- *7 D7 *0(D* i3+ 17 =[
E0- 6-(70 D74<U *7 D(E=- ,(4 13 = -W L4(*/
*7 W *6-0 70 ,*6- XJ / *7 W0 J4- 4=7 W *6 +,
AJO 3 ?$ 0 C 0 0 S SSS 2 8;=<P(PLK A
E@CE@ A ?GD J >?C > +B + AD * @
[?@A $ O=OW +C - 0)!$ " @+ MO " @X
,,D M : BC@AU B- +- ? U@ $ Q J+ # ' 8 *)
<QK 8OC AD (2 : ,->@ A- , >AD@C +) + BCGAU@ ?G .@C@ A
@++GA.@ OP<L : J ' 0 !0 OPM - BC AU@
? A@ C?@ J , U@ +B@C'D !BC6 / OMSO B , - .
V ' 0 ?) ' ' C ! ;;; ;O @+ +B@? !+ C+ + B D- 2
AD BC AU >J +BC C E,->D S)Q = B " , $;LL
$@+>CA ,JB@> 2 +B@ DC@ D - @ ;W J +2 B + B?AU +BG
K+C@ ?W L% % 8 & * & $ & SS 2 B + +B@
C@ + A.@,, E,,AD A. , .B+ B->,D BC AU@ " W E, X@2 +-
B A@ A J--C@ !B@JB@CD @G@ OMQ< = L 0 5 ,0
S ;PP +B@ $ A @+ +B@?2 A +) - BC -UE. +B@?2 +
,, @,, +B@? SMKN % (0 0 ;Q -D BC AU
B A@ 2 AD ? U@ B ? + AD , U@ A A+ U + +>@2
OQ;O O= 1 $* &, . 2 ;LO ,>? +GJ+ +B -A
+C +) J- 'C !BC AU B +B A @ @A @ , U@ C @,'D ,- 'C
OKLO $ $'$ ' &) 2 B@ +@ DG ., C@
!BC AU -A@ U -, @ @C@ AD ? ,, OKMM$ #$ %@)
C$ ' MNO B@ 6 E + C@- +B@ J +@ B C) +B@ J-+
- A +- B B + JJ, @D ;KQP 5 B .)
& 01.0 PQ B>? A B@ D B B B EG -?@ JC- @ -C
-+B@C E@@A BC>AU +- E->+ +B@ X@ - , C.@ -C A.@
3 * ,0 7 *0-(* ,(*-R* 4- 1 (*-0 (4/ W *6 W(*-0
=7 *6(* * 1 (+ 7*=60 J (?*@ * = 1 (<- EL
;KPM ^ @@ L1!0 10 5 E(;KKL ! > 6) $ %
<) - $. ' ;OO OC D ` +B@ E@ + +C ?? A. -C 2
C- U + B->,D , G E@) BC>AU " E@ -C@ E@ A. J>+ -A +B@
DC@
(- > @ 8 J @ @) @ . +B@ + C@ -
B@@,2 +B@ * U@+ - AA (+- E@ D + .B+,G
A-+B@C 8 B B + A+@AD@D +# +(EG
B@ + A. +2 , JJ A. + A+- J, @ B@A > @A+,G
@SJ AD@D2 AD +B@A C J D,G --, A. + , - +B
8 D (AD -
OKL< ! ' ' 0 , 0 6 E 0 ==< ; - ? , +B@
B@@, A +B@ > > , $G AD +B@A BC AU +B@ C , G + C@
>J-A + OKMO B . . A - OM # +2 ?J,@2 J @ @
- C+ ,,@CG2 +B +B U C-A E AD BC>AU #A - @C +B@
EC@ B2 C $!! $!! <$00 OP :) @ $ 9C JJ E@. A
+B -, D .>A AD ->AD B ? @, #E6.@ & -?@ +- +B@
A., B ?+@? - E> ,D A. >J .>A EG +B@ BC AU A. -A -
B--J + +B@ JC@ @A+ + ?@ 5C A @2 @C? AG2 + ,G2 AD
$> BC AU @ DJ
< 7 0-<ED- E13-0 !
A JA<))7 &"0 0 $ MP 7 @ @AD@ ->) D +- BC AU
+B@? A C-, EG D@!6)EG A. ??@A @ I> A+ + @
- DC 8+B@ E-DG2 +B@ , ?E 2 -A@ @, (A+-
(=1 (44-0 D7 1L(==
, OLQ= B ?& 0 JC 8 WMK(P ! B@ -A +C@GA@D@
AD BC-AU B C @,>@A ,G B@ +- B@ -?>A@ ?@W6+@ - ?@A
OMNM .3 ?$ $;; &C ;NKO " @C , Y
E +C A@ 7 @,, B J+ ?E B@@ C C AU L% 3
& 8W &'0 2 B@ B +@ AD A J, A+2 B + BC AU
AD >C @ B E B >,, ,@ @ + +B@ JJC- B - ? A OQNP
. . ") 1 B0 0 8;QN<(S-- ?-D@ + 3 A2 E@
-?@ B + ,,@C +B A B @ .BE->C 2 ->,D B> @ +-
BC AU B ? @, A+- +B@ / ?@A -A - +B@ %-?J AG OQSO
)) * 0) L C ;L B@ 3 >,+ +> U AD `) EE,@ -
!J C + ??@D +@,G AC>AU +B@? @, @ A+- ? ,, %-?J
OKQP 3 -$$+ ' S+ KM; " @C E-DG B> .@ B@ BC AU
e: ; 11 (*-0 (4 =- =-F 7 0-<ED- *7 =1 (44-0
4 1 *= 70 D7 1L(==
OMOK - . & % + SM +B@ @*@ @C> A+2
+B + >) +B@ -CD + V!BC AU@B D@ @AD A. >->C OM=L
= . > $, 0 7U)+KP 2 ;QM B + @C@ JBC @ +-
BC AU +B@ .,-C -> -?A JC@ @A @- -D J@ U A.2 A+- U AD
- C >? C J+ @ E @A @ OK;O $ ' T *) 0 S ==
BG +C@A.+B !BC AU A-+2 E>+ C @ D , +@D OKLQ . .
0 0 > 2 - . , -E @EE@CG BC AU + @, +- .@+B@C
OK<O = B = (&C@ 2 +- +B@
D C @D AD ,+@C@D +B->.B+ E D +C @D +- BC AU +B@ .C AD
-,D , A.> .@
: : 7 D(E=- *7 W *6<0(W 70 < =(LL-(0U *7
<0(W ,*6- 671K *6- D4(W=/U (4=7 W *6 %;! + ,
- D- (44E=)- L60 = K ?+ K W *6<0(W(4 ?071
(L7= * 7 7? L071 1- D@ ?071 (E <-0*(J K -*D
, OLQ= B & "!) 0 S88 AD E->.B B@ @C + B DD@
J->C@D J AD D->A2 " @ E- .,) D B B-?@ GA +-
BCGAU@ O=SO ON)7 . &'0 &" O;<<%-?@+B ! E ?@
A--A AD > @+B ->@ B-CAG -C +- BCGAU@ OP<=
:) & ' !$ A 2 B@ B@@C@ >,, %- U / -+B A. +- @@
B- %GA+B BC AU B@C B-?@ O!N 2 0 T ; ;LK2
: ,, ? U@ G-> BC AU@ G->C A @ B-?@ ! S -&
YB 3 . . V < & 0 PQ E2 B@ G-A G-A2 +B->.B
B@ BC AU J B , @ ;MO< = . " - ' $ 0 S
B@ EG " ??-A EC AU EE B-? ;M=O / 7

$$-$ ' O= 3 G C@+ B@D ->,@ ? G JC- -U@ +B@@ +I
BC AU@ A +BG .C @ 2 4M=O =S <& ' ' &) ' QM B@
C@ + 8 B- ?-C@ @,G !BC>AU A +B@ C E@ D 2 AD C@ A+@D
+B@ C -C?@C - @C .B+(2 SMKS X *$'0 $ 2
B@ /@ , J>+ ->+B " -? +-D-@ ? B @ 2 AD +B@A
BC AU '@?EC-U -C @+G2, U@ !A , A+- B@C B@,, OQSL
B 7 $ $" ;; LN; G ? U@ +B@ !>A BC AU A B E@ ?
! - DC 8+B@ B@ D2 +B@ B AD2 @+ (2 $
1$,.(-C 2" A >C+ @2 6 B ?@D2 -C C@+ C A.
? AA@C - $ 0
L è &' ' & % " - &' S OPQ 7 B A E G CD
@ 3 . 2 B@ E@. A +- BCGAU@ B @@C@ ^-C . '
! & !! W0 A/>/ < 7 !& 2 7 U ;<NQ MP -
++ D@ AD BC AU@ " B CEC ?D B@ D +B ->+ D ?@
D A+ @ D-C@ ;PKO +C2 A) $00& > 0 & ' 0 ;;;
8;)M(SMM E2 " @ B D BC>AU@ E B@ D ->+ - +B@ -,,@C -
+B- @ A 6 3-C+ 6V,@J?A@ OM L bM 7 8 ? 0 C$ 0
D AA 2 B@ $ >@C !BC>AU@ B .C >@ B@ D2 E@A@ +B
B ,>@C >@ OMOP 1 " 0 SS =PP B>
A + B+ B@ 2 @ + --+ AD +BC@ + + ,G @ B-2B
B@ D !BC>AU@ I> @+,G D@2 , OMON - . ! @+ & G
C & 0 ; ;2 7 @ ? D@ +B@? B>A> 2 AD BC AU +B@ C C>..@D
B@ D SKK- =) $, & - 0 8) D (M= !B@ BC AU
B@C B AD E U2
0H 0 & ' . ' ' , . +- , A B 2 C@ - ,
OPK; &.++ O +C <) $00& > 0 &' 0 A 8;PKM(;O= # A@ -
+B@? U@D B ? B + B@ B- J--C@ ? A BC AU A. A
B A@D 2 DD B@ UA@ B@C A-+ F . . & 0
)1 B0 OW 7 B@A D D +B@G C@ > @ +- @G +B@ C BC- + C2
-C BC AU A +B@ C @ U +B@ D J + B A. E,-
-) B 0 & ' . E* 8- ' + &'
&)! +- BC> . -A@) B->,D@C % 0 8 +B $ +
+- C@. CD +B D J \ W>C @2 @C -A2 -C >D @C@A @
OMNP 7 E+C# A % 0 8;<<Q(: LLM B@G BC AU >J
+B@ B->,D@C2 + @C@ .C@ +@C ? ++@C +B A @ C@ C@
- , A%&/ ' 8 . . 0 8;QP=(;;P ? -A. -+B@C +B + BC AU
A +B@ !B->,D@C + + ; @ C$, . 0 ' $% 10 QM
G@ + ,U - !+ +@ %-CA ?-?+,@ 2 +B@G BC AU +B@ B->,D@C2 AD
G A-+B . OQS< -) & " 8 ,-E@(P=L " @ BC>AU
>J B !B->,D@C + + $%% ' & ' 8;K=N(M;
A @G EC) U >J +B@ C B->,D@C 2 5C@A B?@A D#
0 - B>A2 - D 1 0
;PSL X Q. ' &C-, M; G @E J? A ! BC@AU
+B@ BJ>C2 AD @++ +& B-C@ B '
L= A +B , + EG UC A. BC+?@U A- D A.@C -C B X CD
59 ' . .) - - 0 $, !!0 L<O +>+ A> W G@+ E>+
+C J, A.2 BC>AU@ A-+ 3 ->,D -C 4MKK - &) "
S 8$#SE(;;K O ? A C@ -,>) +- E D@ +B@ >+?- +
B X CD - 0 ++,@2 AD A-+ +- BC AU E W D>@C CG
E & ' . ,&!!$ M E 1 0 $ 0
A/>0" I (C!) $, ;P<P(<NQ " @ E@. A2 2+- C- o
B ? @, @2 JD +- + C J B B @) ?+ B@ BC>AU o B-,,@C
. A@ --$@ +@C
0 - I> + 1\0 $ 0
$/O& & ?&-1 B-> UA- @ + @@ C@
+- A@ E-CA@ B ,DC@A2 AD , A-+ BC AU@ +B@ +@
2 &' C B. - ?@+ , +B +
BC>AU #A C A. A +C> +>C@ +B + E@ C +B@
+C A - @SJ A -A AD BC AU .@
O<NO L 6 - !0 ' 0 ! 4 0 ' '0 4 4) " 2 =;< 7 @,, ? D@
BC AU C A. *- A+@D ")@@, ,G B@@, 1 0 =;N - +
+B@ E- A @ + -A B @ + - @CG B@ G BC AU2 C A.
C->AD +B@ E-
! B C A E,@ 2 $L ^ JC@ i " . V % J E,@
- E@ A. BC>AU2 , E,@ +- BC +U
OK<O A ' (0
8 C .U 7 (%0 N" 7 V
B@ + -C + - BC AU A. C@D> + -A A +B@
X@ -C -,>?@ - >E + A @ -C ? +@C , D>@ +-
-A+C + JA > B > @D EG B@ +2 -,D2 -C @+
SK-- %- J6 "#6 & - - 0 $- QM /@ @A @ -
.--D C E@G-AD B + A C @ C-? A +>C , +@ -C
BC AU .@) , &! &' > ' , " , , E 0 Q= ,,
+ ?E@C , E,@ +- BC AU .@ EG +B@ @ J-C + -A - +B@
?- +>C@ B B , G JC@ @A+ SK L . . C ' ,0
< &E 2 0 S) 8@D <(LOQ B@ ?>D -, D , @ 2 AD E@ -?@
+C @C @D EG C U 2) @D EG BC AU .@ ;KK= &' - *0
(:>,G MO B@ BC A,>) @ - +B@ , U@ B J@C? ++)
G +@? + @S + -A +- E@ ? D@ A+B@+C -C?@C,) OKK<
) ' 77) ! &*$ $ A+C-D 2 -+ +B + AD A. +B@
BC AU .@ - +B@ ,@)B2 ; +B AU +B@ @ -A@ - +B@ ?- +
?J- A. AD E@ >+ >, +B + @ @C
O BD ?->A+ - > B JA+C + -A -+ ,- A
E>,U2 -,>?@2 -C ?@ AC@?@A+
OKMO $ $!0 ' - $ 0 5 10 S2 OQ C -> J@ ?@A
- , G ? D@ >J A+- I> C@ +- B- +B@ C C@, + @ BC AU
.@ OKQW : 7 0 .0 O;MN ; OC %-A+C +
C +B@C ?-C& 8+B A + C-Aa2 A B BC AU .@ +- +B@ --+
E@ A. ,,J) OKK= , 0 - 0 !>JJ, 4 : Q;<Q ,,
A+2 >E + A @o +B + +@AD +- D@ C@ @ +B@ C@ C + bG B C +@C -
+B@ E EC U A C@ & +B@ C BC AU .@
E <) '3-$. ' 0 A BC AU A. -A B--J -C +>E@ 2
+B@ D @C@A @ E@+ @@A +B@ AA@C D ?@+@C - +B@
->+@C G, AD@C AD +B@ ->+@C D ?@+@C - +B@ AA@C
G, AD@C
4K<4 A ' 0 (OK<= - L; >. M ; B@ -?J,
+@D , >, + -A -AA@ +@D +B +B@ BC AU .@" AD
+@A -A - +B@ C -> J C+ - E> ,+ >J .>A
?? +@C , +B A. / ? A>+ -A -C C@D> Y
+ -A A I> A+ +G2 ?->A+2 -C X@ D@JC@ + -A -C
D@ C@ @ A ,>@ +B@ ?->A+ M > B D A* A+9 -A
OKQ< " # *>A $2 & ' ;O< B@ BC AU .@ AD
@S+ A + -A - ? ,G ;KQ< $' $ O; 3 G S B@
,>C@ ++C E>+@D +- E D D@E+ 2 BC AU .@ A +B@ ,>@ -
.--D 2 AD +B@ +BDC , - J + , SKK- # 66
& OMM B@C@ B E@@A JC- @@D A. . @A@) BC AUY
.@2 + @C@2 - J@ >, + @ A @W+?@A+b OK<O -
< # + < M B@ +-+ , BC AU .@ =N2NNN2
! $ 10 V BC AU .@ C U < &!0(C U
-C?@D -A +B@ >C @ - E@D - C- U AD D>@ +-
BC AU .@ > @D EG @SJ- >C@ +- >A AD C

```
BC AU .@ +2 + ? D@ EG BC AU A. -A@ G, AY
DC , J @ @ -A +- A-+B@C BC AU .@ C>,@ b
,&' $, &' )! ) # L
;KMQ = B !) $ S =LQ A +B@ J@ ADY
+-A@ + - BC AU .@ C U C@ @CG -??-A ;KQL
A0 "- < & &<T 4 4 4 P< B@ @ A-D>,@ C@ B .B,G
? A@C , X@D -C +B@G @SB E + D@ BC AU .@ C U
!BAA \ @C 8:C IU ( ^ 9 1* :$L
#A@ B- BC AU -C C@ - , C-? +B@ +C>+B2 C-?
D>+G2 D A.@C2 -C +B@ , U@ A +B@ M+B @A+2 -A@
B- BC AU % & - +B@ +B - +B@ - J@, -C +
#E, . + -A 8% 9 **E $( # $.
LPP= V '&5 << " 03 B( -- @ C >,, BC AU@C C-?
+B@+C>+B@b -C @ C@ - -C,D,G+C@E,@ MLdKL -W8 (=
O;N) 0 $ B CD /@A+-A2 BC AU@C C-? +B@ - J@,, ; ) =
% 5$ - TTTTTTT +( 1 -> B , A-+ A@@D@ +- +@C ?@ G->C
E@++@C +- E@ @A@? @ -C BC AU@C SPQP K 1 )
%% 0 S, 2 OL< A-+B@C BC AU@C2 A-+B@C B , @ J J +
M %- #$22 2 $ ) , A B@C2 BC AU@C2 + C+@C
&51( ?$!!0 8 KKQ( =LL 7 @ C@ A- - CD,G
BC AU@C 2 E>+ A., B ?@A +C>@ EC@D Q;< 2X 6 C !!
MO .--D ,@ DC AU@C " @ A@ @C !BC AU@C
!, C 3 > . G !( V ^ N " 7 $ V
%-A+C + -A AD C@D> + -A A X@ -C -,>?@
+BC->.B +B@ + -A - B@ +2 -,D2 -C ?- +>C@ +B@
DC A. ) * -C +B@C A. 8- A@ 2 @+ (
4L<K 4 3 ?$ ( C 0 C 0 S 8 -,,@? 3! (2 0 G
C@>@,GA.@ AD B@C@AUGA.@ - B@ GA@ - @,GA.@ 1 0
S + 4SS S 8;=<P( KN[ !BCGA.GA.@ - GA@ @ , 4==N
C & - 10 C$ T ==< S ! BCGAUGA.@2 $ 0 4MQN .
A C !( $' ( ON) B@ 0, DD@C2 B- @ C@.>, C
A+>?@W @AD@ AD BC AU A. > @A+,G ? A @ +@D2 +B +
+B@ @ @, D D A-+ ,@ U X@Q4 7--/ " E 0 $
SSS OL4 B + BC AU,A. >J - ,, ?G AA@ ;KQ< . 1
! 'D0 A+C-D O0 7 @ ?> + ,,- -C BC AU A. A +B@
! ,U .C-.C) &BC @ - $B@+-C A $>+> =
) &( X - S @J+ B + + ^ -CAa ,- @+B A +B@ C + 1@ C'
BC AU A.2 AD ,- - 7 @ .B+ SKXM : C$ '& $ - $
0 = LO= B@ C@.>, C BC AU A. - , G EG B@ +
<&& > ) " 0 8@D =( ) LP % ?DA@ AD BC AU
A. - +B@ @S+C@? + @ 2 KMN . . <!$,0 ;; +* OM=
!> @ @ BC AU A. ^- . , @Ca B @ - >CC@D + A+@CY
, - @A+>C @
!$ ) 9 %R !$.
SK M 3 W 9 !! $ - ) , S _ B@G ^ - U a
->,DA'+ A+ BC AU A.
&BG ,2 ?@A+ ,2 -C ?-C , C@ - , A. % & -
E>CD@A2 D A.@+2 @+ 2
' . . ) $ ( 0 & ' " %%$ ' ' ( BC AU
A. JD@C .C@ + E>C+BC I I 7 ! $ &' )
, A B A. 2-C BC AU A. E U@ ;MML : 1 C &
;MMP( OL= U AD - JC-D . -> BC AU A. - +B@ G@ -
"@ G@ ?-?+B@ @ -+!-E, U U@DA@ ;QK; 8 1
C& ( @+ 2 99 " @A >C@ C@ B'D +B@? B@ D@ ,+ +2 AD
@ B EG BC,A,DA. B- 'D B@ @,+ + ;K=K
$ * $ +@ 2 ^ ) @a A@ @C ?@A+ -A@D B@C A ?@ E>+ +B

J %0 0 ' 0 A 2 ;LQ
C-? >,, D@ , C + -A - +B@ $-G , !>JC@? G
$ 1( ;K<; - $ . ' 0 = $2 ' SS 2 #A@ BC AUY
A. ?-+ ? _ -A@ + ,@D C@ ?
% ( !EC ) . A. 8- +B@ B->,D@C ( (
MLK R , , C$ ' 0 ' , ' O<L B@ BC AU A. >J - +B@
B->,D@C .@ +>C@ E@,-A. A. +- E @2 @C ,@2 AD
C ,) @UA #
! +C >.@?@ + m% A@S+ O (
A &A = 7 - 0 0 84K=K( ;L B@ A - +B@ B@ +B@A
-C,D2 E@. A A BC AU A. - +B@ B@ C+ C-? -D
! B C C A U A . 2 * * !0 $0 Y" 7 A V
%$ B + EC -U 2 -A+C + 2 C@D> @D A X@ -C
-,>?@2 -C +B@C@D -C BC @,,@D , -6 0
` $5 & 0 ;KPQ ! B ,U@ +E@G B-++@ +BC>.B@
BC@AU AD@ ? G,@X ; ) L ? ) ,0 ?$ ' 0 8;KKO( OQQ
1-CU BGC@ , G+B2 ,C G@ 2 AD ,, -C+ - @ECGAU A.
D G+B % & - ' ) T < $ & ) L; C$ ' '
!!) 0 B@ BC AU+ ) C--U@D , ++,@ @ &
$' ' %0 SS PQ B> >J +B@ BC AU A. J J@C2 @C@ +
E>CA 2 EC- ? + A+ ., D@ SKKL $ ! " 2 L # + O P
$@J@> + - BC AU A. JC @ A %B A
/ $@E@,, A. 8 . A + -D( E U ,D A.2
OP) S ) . $( 555( ; 7 - E@ +- +B- @ BC@AU A.@
B , C@A B B @U@ ->A @,2 E>+ A-+ + ?@ ;PLW ] " (
S B@G E@ ,, D>->+C@C AD BC@A U A.@ -C+@ 1 (
SSS, O " - ,-A.@ + +B-> . - +C @2 - +B-> BC@AU A.@
^4P8) < , $ C@C@,, -> a D->.B+@C ? % 5$ - (
" *E2 B@ BC AU A. \ C@ > A. 3 A +@C - -AD-A
^;PMP : " %C ML DD,
AD @U@ BCGAUGA. -C+@ (
E $@ - , A. JBG ,,G2 ?@A+ ,,G2 -C ?-C ,,G
C-? B + D >,+ -C D + +@ >, C@+ C A.
;Q= % 9 . " - ' 0T & - ( &) $ !! ) - '&2 '
7 B + +B->.B ?G BC AU A. ,@ B -?J, A R&R7 B
V $ - $ S S 2 B@ , ?@ 2 B B @@?'D +- D C+ B@ C

< & [0 OML +B@ ,, E@ - +2 BC AU A.2 A -A + A+2 AD
- CD,G K-S 3@$!/ + " ' & % &) & ' ( 555( "@C
?-+B@C' BC AU A. D + +@ C-? AG > B B@ + +B@?@
+B
N ' . ' )1 + +B@ @A + @ J, A+
$%&+ I . $ (?& 0 SMSK2 *$' - $' ) ) 5
- *$ ' 0 B@ BC AU A. !EC>EE@ MP< $2 - + 1$!
PO= ! BC AU A. BC>E2 $ - *$ ' (
!B @C A.2 B>DD@C A. 1\0
SMX : " % 0 LN B@ BC AU A. !, >@ -
7 A+@C2
"@A @ O E C 'A$ A.,G $ ( A BC AU A. ? AA@C2
+B BC AU A. ,--U2 A ? AA@C )SJC@ ) @ -
>A ,, A.A@ 2 D , U@2 BGA@ 2 @+ ! B C A U .
ON! ! = $ +( 2
```

```
;KSQ = $!!$ &&. % ! C &* + OLP "@C ,@ +
B AD2 BC AU A.,G B@ +--D "@,D ? ,, ,>+@ ;KLP
# : ) & & & '&' , 8 KMN( P=< B +
@? A A@ C@ @C @ AD BC AU A.A@) B B @ C@ -A+ EL
JC @ 4KP; 7 2 B ! & SSS 2 4QM B@C@
A- , .B+ @S @J+ B + >C -> D G, .B+ +-,@ BC AU A.,G
A + +B@,- D--C SK) 0 8;KKN( =Q 7 B@A
J@@J BC AU A.,G C-? ?G +>DG AD- ;K) *&&!
,0 ;K 5@E W O -CD ! , E>CG AD ! C !+ -CD -C+B -+@
JJ@ , BC AU A.,G AD AD C@ +,G -C +B@ C@ @C -A - +B@
+C> +
+ ! B C 'A U , A . 2 !( V 1 ( A M
^% I +- C AU,@G BC @, a %-A+C + -A
-C DC A. & 8- +B@ E-DG(2
;P=P . ) ? " $ ' . " ' <=1 B@E@ + U@A ? ? .
A +B@, E-CGA. +B -A>>, G-A -C BC AU@, +. +-.@+B@C
+ ! : C J G 5-C? L = BS JJ@2 =
BC JJ@2 P 8-(, CGJJ@ B@CJ@2 SGCJ o
^& C ,,@, -C? +- 1 ? E>+ +B@ @S +@A @ - +B@
+ - -C? D >,+ +- ->A+ -C % 2 B- @ @C2
3@C- A. A ; , % , AD I ) ) 2E@ D@
% ,,+ #5 %> , % , @ 1 L
, [O<N 0 ' ( 0 =; OP< -JJ@ - @,>@C + ,,@, B@ B
,>B@C@ 3 A . A EC A.>@ AD D>D@ A B@-C@ BC JJ@
- +@, B@ ;LM 7 . C ( C 0 OM ! >B / @>@C
& ,?@C@ +B JGU A@ +B ) BC JJ@ 0 ( C Ja ! > B @ A+
@@E@ E-+@ A- A B J, @2 , ?J & B 0 $ - O;OL
85 C (2 & ,.C ?@ 7 +B EC JJ@ -C@+ >, - ,@ @A.@ $ ;=NN
, &) $ ' 4LPQ &GU AD J??2 BCGJJ@ ? D , >@GA "@
DG.B+@ BG? J ,?@C2 I>@GA+ - .GA L& % ) 7
< ) !0 C ! 0 MOON - BGA. BGCJ@ \ E-CD->A PMK
B 1$! ;;; ;= B@J) C @ J-> B -C EC JJ@
! B C J 8:C J(2X c &2 $!0 , - ,B CJ ^ JJ
C--+ T . * @@ 1 ! - K 1 (
% F = + , & *$ ' +C E 2 +- B @2 BC@D
8 B@A @ J@CB +B@ & - * + : , - , *% '
. *% ' , ) *% '( D ,2 +- >+ - +B@ + J - 
.C- A. J, A+ a $' 0 - B @2 BC@D +- , J2
,-J2 JC>A@2 +C ?
`9& % 0 ?2 $ ' 0 &' 0 9 P B2 &>+ EC, ? +-A@ ? +C A
+B@ -A@@ D E@@ A. C +2 AD +B@ -+B@C@>D E@@ A. BC J+ +UU@
A+- +B@ D@ - +B@ B- ,@ $%%& 3 . " $ ON O@ A.
> @C@D +- DCG A +B@ !>A >J-A +B@ OC A B@ 2 AD +B@ JC G
BC J'D - E->+ +B@ D@ C@ @ A >.> + 1 ( SML OC> B
--D B B BC JJ@D - C-? +B@ EC A B@ * %-J @
--D 1 0 8;QQM( 4 !> B +B@G C@ @C @ -C J@ C A
!J?A2 +B@G U@@J BC J@D >J %,- @ qN +B@ +@? KKX ! &%
<!& 0" C" & 6J B@D.@2 -C >+B CD- @ ; ) L
2 ! 0 <!& 0( %*( & C" 8S( +- B CJ - 2+- BC@D -C
>+ - , ++,@ - A), A. 8O( +- BC+J >J) +- BC->D >J
+B@ ,- @C E->.B - C- D D@ +C@@ 2 +- >+ - +B@ D@ + .
- B@D.@ -C E> B
"@A @ ! E C J J A . !0 \ 0
;ML= 9 - 1!0 S2 B @ @@A@ > B + ..G -CD
+B@? B D@2 OG B-? +B@G @C@ +B@ A) A@ ) ? JJ A.
? D@2 # ,, +B@ 7--D ;<SN * , $ & ;9 JC DSJ S "
,( B@D.@C' ( -CU A -?@ B C@ WUA- A EC JJ A.'
+ ! B C + 6 ) 1( 1 ( 5-C? $0 P B ) E o 2
BCG-B@2 M KBC B8@2 Q BC -B@ ?0 Q EC@@-B2
BC@ + B ^ ! $CC "2! O %" ) : a
C@@ B2 BC @U
$0 ;=QN KP : ! ) 5 - 0 S > Q)P ! C > GA
) @+@ BCG B@ AD ?@C>@ ,,-> .CG @,G .C-A@ $ ;PKM
/ 1 ,$ $ 8;MOO( LKL ,> A. J + >,` E>+ @@+
BC B SM = +C ! - $ < ) - $' !%( ( ;=P
@++ A. +B@, .B+ ,, ->+ - B@C B AD -C @ C@2 B@@ . >@
+B , . C@ + EC+ B@ ;MPN ' 8 . . < $B%% >
$*! LN 7 +B E- , A. AD >A> > ,, EC B@
;P<M 1 0 A ( 3 SK 7 B- @ @ C@ +B- @
EC @ B@ BC ,, D D +EC > ;MPN ! 11 $' & OS
7 +B ,->D BC@ + B B@ ,@ J@D ->+ - +B@ E@D S #
! E & - & ( ;;; 8;MQL( ;N= O 7 +B +B@ C @ C >, BC@@ B@
C .B+ A. & @A.@C
; f ! "$ %" #7
N4=QP C ( &,( A 7 C 7 , U@C QML L 5(
B ) D @
! E C + B 2 1 0 &5 $!0 5-C? -B C-B o 2
= -BG B@2 BCG B@2 9 BCG-BD2 EC 8+(-B2 M2<
-BC -B $( ( AD *$( * * ! ( = -B C) + @2 B )
= P O8-(BC L+ @2 8-(BC .B+ @2 8-(BC + o 2 G 2
@S ., + @ = BC B D2 P ^& C ,,@,
-C? +- ! " X a
' 0 - BC @U2 C@@ B2
$ S - 2 != ( OOL &> @E C B@ + \ LM,,M + +- :VA@
@C@2 ;L V ( ! ( PQLK O G &-C>! -A @6 B-..@ BG +--U2
AD E@+@A B@? - +B@G BC .B++@ N;LL< ! !0
#! " -,U B C +@A H $ B C) +@Aa - B@ ) @ \ ,-6D@ aV +
: > * : 6 ) 9 ] B + \ ? D@
) @ " +B +@C
j j BCG.B+a ,,@ (V AG.B+@
+ - ,5 3 ) ' C ( 0 K-8% ?E 3! (2 AD +B@C +B
,, + ) EC B D \K B->+ D 4=Q< KP E V V ) 55 0
KPN B@ I>@A@ AD , DG@ @J+@ AD BCG E@D +B + B +
JG+@ +- B@C@2 4PPQ & ,0 8 CE ( OLK +- +B@
8*-D AD +- +B@ U @ +B@G BC .B+ ;PQP < 7
C& ( !&2 PK2: EC+@B +- @ @ ?G ??CA A. ? AD@
;P<N 1 ( A 0 ? LO / - A@ A B@C , J B@ B D B@C
@2 AD*->D,G BC .B+ SK) ! V?, '&V 50 $!&* $ ' ) $
PM= ! BC B A. --A C G- +#> B@A B ?
; $' 0 5 ' % , * *% )"
S!L*+ &V O &'%($ 0 0 ? 7 U X @ B + B D@->
B- 6A. +B + +B- @ B@, B->AD@ B-,D ACG A@
"@A @ % ! B C +-B A. 1!0 1( AD ** !0 $(
NSLQ= B &"!) LKO C >@A@ I> ,? -C
BCG BGA.@ - +B @ - , L<K 3 ?$ ( C( (
A SSS 8;=<P( =LM 4 :,>, ->,@ +B + E +B@ +B + A ?@
- BC EGA.@ AD CG@A. 4PQM < 7 C. !& - ' " >
B@ BC- +,@ B@2 B B ? ) @ +B@ --D +J C A. 7 +B
BCG B A. ,- D@2 2
! B , + ,c3 ,b 1 ( M ,>CG B o 2 ,? + E
BC @ B 2 -B) @@ E 2 M Q BC -B@ 2 Q BC@@ B2 K
```

```
>-S -A ) 2 i # B 1( % 2 "
- ,2 a fb "78 .
$/J . (( ( BCG B@ ->,@ $ S 7 )
,$ $ 8;MNP( 4PQ % + A. -C+B J + >,, C @ AG
BC B - ,@ $/O/ 1 * $ L=P @+ A-+ +B@ BC @ B
#>,@2 A-C +B@ ! -CU@ E@ B@ CD $/O% J ' 0 ( ;;
PM B + + ,, ! BC@@ B- ,@ $%+J $
S" 4;O AD@C B @ >@ +E E>XX A. BC@@ B- ,@ A.
$>%$ . U A - 0 8;KNK( OLN 7 @ A+@D +-
B @ +B@ .C->AD J, A+@D +B G@ AD GJC@ 2 AD C@ +-C@
+B@ BC 8? - , AD C @A
H $ 1 0 , - Q BC@ .B+ ^# -E >C@
-C . A ' AD 1 B ,$ f
? @, +BC> B( a B@ ? @, +BC> B
!%% 9 . $! $ ( L ;=< 3 ,@ O CD2
!,)@ .B+ ;MQK !!) 1 " > - 0 ;KQ B@ 3 @,
E CD -C !BC +@ >CD> -C> ? *-C ^SK- = 7B
. 0 0 $ JO = * . . 3 ? 0 ? 2 ;;= a
! E ,+G 2 -E -C? - 3 .
! B C @ 2 ^ A@S+a 6 @D -C 6 O
;KMQ B ) 2 $!$ 2 7 B@A +B@G ?@+ . A2 B@ -C@
+ B->,D E@ -C B-C+@C BC @ AD D@) , @C 7-CU
! B C @ 0 $ , 0 & 2 + BC- @ 8:C)A (2
& JJ,@ B C @A 8:C' 'A( 5-C? C A2
O M C @2 8L C @(2 L = C @2 G 2 C@ @2
-8B(C 2 @BC @2 G 2 = BC 8@2 BCG 8 (@2
@ BC@ @2 = P -BCG 2 = M BCG @2 8P BCG @2
BC@+CG2 M -BC E2 ,0 BCG 2 O#B CCG @2 M2
K < * - &3$ , 0 BC @ @2 Q BC@@ @(2 = BC @
& + -CD 2 L = C- 2 = P @BC-8-( 2 8=
!BC-@ 2 BC- 2 BC@ 8 (2 P BC- 2 BC- @2
+B -@ 2 -B@C-52 BC- (2 = KBC- o '& ( L =
C 2 = 8 (BC 2 = P BC @2 P BC 2 BC)@2
,BC @2 - JBC o 2 ( = P 8-(BCG @D2 Q <
+BC @D C$( * * ! ( @ ) @A 2 -C @ *2 L
, BC o 8A2 Ld= 2 G 8 (C @2 = P 2
G 8 (BCG @8A L BC @F 2 L = C @A2 =
BC o 8A2 JCG @A2 @"G -BC 8 (GA@2 -, CG
GA@2 = P BC @2 -BC@ @2 GA2 = M 8 (BCG @2
@A2 8P BC @B2 -BCG ,A2 BC A AC@ GA2
B C ) @ 2 C@ @(2 P M BC@ @8A2 8M -BC@ @B2
A2 B@C@ @B2 B@C -A2 BCG ( 2 .0 BC o D2
BC @D2 < BC @D ^%-? 2 J>+ 8 A+ A. A
-+B ( # %$ ' 4T , % , %&'( T , '+(
+- ,,-+2 .A2 D@ C@@2 D*>D.@2 ?J- @ @AY
+@A @2 ?J- @ J@> , @2 C@. CD2 C@ -C2 -CC@ J +-
#5C 2 $ = . % . '+B +- C +@2 ?J- @
J@A A @ 8 7 5C . ' 2 ( . $)( . $) '( 5C
. 2 " . 2 " . 2 '( 5C , ) 2 +- C +@(2
# ! . $' +- C +@2 8 3 ( , '( , (
, '( 3 / > , '( , %( , ' +-
C +@2 J A+2 D@ C E@ 8 / > , %1 ' " , %(
. '+( # " 1$ '( 3 " , 1 E" , *(
, 1 ' +- C +@2 DC 2 J A+2 D@ C E@2 JJ- A+2
JC@ C E@ 8 2 , 1 E" , 1( , '+ #
AD @,2 8 @ U AD 7 +B B-C+ + . %$( $ $"
^, % & J A+2 C +@2 3 ! 2 . $( G& ' ( 3$ )(
8 +C-A.(2 . %" . -E" ! . %&$" . % . %) '0
/ 2 . ,( . . ' 8,- ,,G , - @ U(
D , 1 +- C +@ a
2 $' ( A# 8 -A +2 D + ( - ?J- @ J@A? @
BJ-A 8 J@C -A( B@A @2 +- D? A +@C E -,>+ -A
+- +- B@ C +B@ -A @ -A -
$ QQM C& ' 0 , 1 S A B-CJ@ ' ,0 $2 8;K=N(
XKK "@ B C@ A A JC@- + C A A@ ?-+ B@- B-A@
A DJ@ -C, @%@ $ <Q! $'&' & % $ S E D )PK 7 @
, @C aV + U Q JC@- + C @ \ D @DE-+@ + @J@ E ? B ?
AD@++@ SM!QnL= $2 ' ) ;; *S e S ? A @ ,
E ? >A 6C A. A ?@A , E@, #C D@? A \ C -F E-AA@ E ?
!+C A. A [4Q! $ - 1( % & ' 0 OP ) -C,@+@ E@ JC@- +
7 (D@ @ U @A -A @ +@C D@ B ? @ C >@ , 0&& C
;POPL J ++ U@C%D@ .@>.@2 J ++ *> @++ E> @AA - J@,
@AA *> - %C +-A-D-?2 - EC @AA L> \ B> ,@AA
, X -P ;KL<O ) ?-A C >@A -D@C >,- B + @-C@A
B EC-U@C2 S C&!0 C& - 8$-,, ( OMP O@ C +B + A-
C@C :??) CG \ 4=QN KP = . 0 S4+ S KPP "@ 2
JC G@D +B@ EG BDJ +- BCG>@ BG? AD -)@ BG>> 4!Q<
' 2 &) & % CP 2! 6KQO( % **2 7 G @ ? A G->
C@ A- D->E+2 +B@ ) - A+ 5@?@ - BC >@G-> ;MLL
- ) C " I 2 # >@ ?@ ,@ >@ - BC A@ B@C ,@ +
B@@ B->,D DG@ A E -,>'D $>O . ) 7 ' ,( $ (
S, 2 BC @ @ ?@2 BC @ @ ?@2 B-,G ? A SK-K
$ - 0 SS 2 "@ B ,, BC @ @ J@A +@A+ A- ?-C@ ;K=;
WV 0 & ' 2 ,, . - +B G-A 2+- BC @ +B@
DG A. '2 ?D +B@ JC @ + ;K=< = B . ( ' 0 : =LM
"@ ->AD +B +A-A@ - B@C B J, A UA@ A., B -C 5C@A B
@A->.B +- BC @ +B@ U A. ZZ # 61 & - ' & % $
OS< B@C@ A-A@ +- BC @ ?@?
-A + ) 8+B@ A(
, 4KNP ,) 1 LONQ= "@ E @ , C >@A - E A@ @-C,D , @A
E + E A@ >A@A ,,@ >,,@A E C-? ,,@ $ S.-- ) & (
OLSP; AA@+B@ , ? A AD A A ,@D@ E) + @, ,, C >@
E ? & U@ : > E C$ * ' ( ! 8;KLM( 2 =;<
- BC @ -C E -, @ G +? - +B C@ GAAG
W+( +B @S+@AD@D JJ, + -A
L% > Y I :V , 9 . % ;K BC@@ ) + A.
.@?,@ -?@A ++ A. J , +@ -A@ @>@A A. E@. A +- BC >@
-A@ A-+B@C2 AD +- UA- B + ? AA@C - . >@C @ C
-+B@C B D $ AO - $ - !$' &-@? 8;KP<( ONM C+B
? G BC @ ?@ - +B@ A 6A@ C+B,G JC D@ B +B C@ @,,@D A
;KK; 2 B 3 &' % & . ;Q - +@,, +B@ -,U
- ,- @2 - ,- @ +- @ @ B@ E>CD@A - +B@ C , E->C AD +B@ C
B@ C+ # ,- @ +- BC @ +B@? - +B@ C A <SO ' !(
( / @ ;== >C-J@ B E@ -?@ -C +B@ C + + ?@ %BC Y
+ A , +?A2 BC @A + , + EG +B@ >A BC + A ? +@Y
C , ? - 0 ? C U A E,--D AD C-A
```

93 /' 1!0' 0' K$ 3 ' H" V'
G ' ' ' @CE' 3 !' ' $' > I
'D !$' ' ' ' $
$3500 ' ,' 0' OMK @ @' @ A@ 2 \' ,@' E@ > A.@ '
' BC > A.@ a' $';LNN 3) & ' 0' OM;N;' -' l> ?' @'
M ,' C' C > ?.' ? U' ,';=NN & - (& 'M==K' 7 B-' -' B +B'
B' @,GA.' B@' -A @ l>@A @' - ' > B' BCG>GA.' ;P<;'
!J09 $' 0' 11 'P=L'O@++@C' ' B-C+' + ,@2+B A' 'E D' ,-A.'
BC > ,.' 9 ' 0' " ' " 0' ' D0'SS+' K+' B- @'+B '+EG'
+B '!B+ A.'- 'J@C -A 'UA- ' ?> B' -' +B@ C' A+@C@ +' -C'D '
A+@C@ +2' I I = BL' $1 !$ ' 'S, S' ;<O' ' -C BC '
,A.2 + @C@' A' E@' A-' .C@ +' B C?' A'+' ;KLQ' ' (
(' ' 2' -'+B@'&C @ +'+B@G' @AD'B@C' B@'. @' '+B AU '
E>+' A@@D 'A-8' AG' BC A.' ;KQP' : ' %' %-S' !- '
1" (;Q;' +)' BC A.'B D' ->+' - ' B -A' +B@'
CA. A.' - '+B@'E@,,'^-A' !BC- @' >@ D Ga' ' DA+ A>@D
$' $ 1(' ' - D' ' 3 '
' 1 ' !2' D' 3 ' 1/'
/' /' ' $
;=KQ K' ,(0' $ "'$ ' !!'8;)=(';LN'5-C'A G,,@ ' -C',b@'
BCG GA.' J@ @' PNP' A' " ' :'C'@ @G' &!"' .0' -(
8;K<Q(<Q' *' G@CA@ ' +-@C+@GAGA.' +-' +B@' BCG GA.' +-,@' -C'
@?-A' ;PL=' ' !(.0') ') '8;KMM(ON=' A' ,+ C'
,-+B' ? D@' - ' BCG GA.@' ,-+B@ ' ;P=P') , 2 0' ,,0' 0'
[L - $'`' $' 1(83 ! ('5-C' ?@ADGA.'- 'G@'%BGC B ' AD'
? UGA.'- 'G-' BC@ GA.' @++'S + 'D' V)K< <N A': '%' %-S'
) , 2 0' , '8;<;L(;<L'& GD' -C' ?@AD A.@' - ' 'J@ @' ,,@D'
+B@' BC A.@' J@ @' + ' 0' ' $ 0' ' = Q' "@'
)+->,D' E@ C@C 'J>+' +-) -D A@'D@ +B2' -+' BC+> A.' + ?@'
,,- @D
/' ! $ $ M ' !)! /' ! $ $
J@J$ J! /' ! $ $ M ' , '
/' ! $ $ M' 1(
7 1' ' ' /' / XU /
/' /' G' /' $
K ' ' ' $ ' ' !
&' 2 ! ' ' + D' ' ' + /'
3 ' (' 2 ' ' ' ! /
#+!' A'5- +@C'6 / !0' $, & ' (8;<NM(K' B@' B@C " ' C@
J--C@' AD' E@.@C,G' '
CG ,' E>+' '
LPO' !BC- @
!B@C @' +B +' '?@A' +I' E>G' AD' @,'&@ C,@ 2 / ?-AD 2 AD'
-+B@C'JC@+ -> '!+-A@ 2 +AD'+-'@S B A.@' -,D' AD'! , @C')K'
- ' 0' (' ' $' ' (PL' ? -) +' B-?' @C@' !BC- 2
-C' 3 -A@G B A.@C ' ;QQM' $!'&8)' &,&- $ 'OO O' +' '
+B@' > +-?'- ' C- '+-'.@+'+B@' E-DG'- '+ @ E-AD' C-+@'EG'
+E@ C' -? + B 2)' AD' +B@G' .A' +' +B' +B@ C' - A' B AD '
K M' C B UK < $' ' $ ' ;K' B@'EC@ U +' --A'D Y
J + B'D2 +B@G'C@'D 2 -'E-CC- ' ?-A@G' C-?' ' BC- ' ;KKK'
: I 7' %$ - 0' '8@D'L(K;' /@@J,G' AD@E+@D'+-'+B@'
,0 .@' BC- ' <N= >& > '$' $!'OQ 3 G' ;;O; L'
' BC- '@?J,-G@D'EG' 3@ C ' 3> +@CE@C'.\'%-
$ 1 0' KK V!' ''V 2 $ ''$ ' $' &'PK)' B @'B@ CD' - '
?> B' ' G'+ @,'8 E->+'WQN('E@ A.'J +D' +-' A' ? J-C+ A+'
!BC- B#J' -C' !> B' '+C A +-A
' ! , ' ' ' , " ' (') ' ;
' , ' ' ' ' ! D'
$1\&0' D 1 ' (' ' 1(1(' %* ' $/ D'
&%% ' , &P!(' ' 1
' ' $
. 3 ' A') @AD.@' 0' ' $'8;KMO('P<O'^ A' A'
D D%, @'C@JC@ @A+'+B A'+B@' ?-A@G' ->,D' A-+' EbD D@D'+,,'
+' 7 ' BC- @D' KM-' ' ' < "!'< $' 'S 2
-' +- UD-EEB)':@ 2 AD' ' BC- A.' & C @@' SK)'" ' '
) '<!& 0' %(;O< 81>,@(!BC- A.' B--, ' C@' -??-A'
A'% A+-A2 B@C@'+@ B@C '- '+B@' C+'U@@J'E D'D-,, C ' -C'+B@'
J>CJ- @'- '@S@C A.'+B@ C' J>J, ' XK)' T' $'' V 2 $ '*
$ ' $' &'' PP' B@' JC- @ ' -) BC- BA.' B B' +' ^?'-A@Ga'
>AD@C @A+' E@ -C@'E@ A.' D@J- +@D' A' +B@'+C@ >) '
$ 0' 0 ;=' JC' =P; S' B@'J-+@A+') 'C@ @A>@' - 8) B A C@'
??@A @2 E>+' +B@G' C@' BC- @D' EG'@ @CG'B AD'+BC->.B'
B B'+B)'J
+ ? ' ? .$ ' ' ' ^ /'
= K$ = a' * ' > $ M ' $
' 5$ $%$ ' , $%$ &0!' G ' '
' ' $
SM J A' ' !0' $, & ' $ " , " +' 'LP=!BC V
.@' !'B ,O ' 'C ,,' J+ '@ @CG'+B-> AD'C ,E' ;MQM " '*
b 3' : ' $' '8;<;,(: L<=' B@' # />A @,,'D-@'UA- '
+B +' +B@C@' ' ' ' j j', -j j@D jA j j,j +B@j @' jJ C+
O>% 'OK' & ' ' (' ' =<C -U@C .@' ;)'J@C'%@A+2
A) . @' 'J@C' B-> AD' ;KSQ'?"3 $2 ' ' $" &0 O=
%-?? -A' AD' BC- .@'-A') B ' C@? ++@D' C-?'-A@'J C+
- '+B@'D-? A -A'- '+B@'F+ AD') ? -C'+-' A-+B@C ';'J@C' @A+'
-E!' C A+' - ' B6
!BC- + D@2' !BC- +' >@ D G2' -E 2' ' 3; "
3 / `2 * 3 ' '
!BC-. 2' '& ($!0 ^& C ,,@,' +-' 7E @@'
!- + a' 'E B ' , -'* 0' >AD@C --D
%4=MN & - ! "' ' 0' S ' =PP2 ' B >@' -.E+' +B' ?G'
D-.)' ,'B-CE@CG' BC-.G ' SW' '&1"' ' && 'P'<)"'&%'< Q
1& ' ' ;SL'4B@G >++'+B@'?'D- A'+ - ' >??@C AC-. 2 B +
A@ ' E-+B' >AD@C 'EC@@C@' !B- ' = B) 3' &2 %0 $!'
)' ' &' ' ('I'=E2 5C-?'O CA D ,@' EC- , 2 +-' -+ '
?.B ? 'C@D' 6 @ ' $>I' ' A' $ G'C !& 0' 0'
8;Q;K('LLM & "' ' -?J AG'- 'O> B@ 2 - ' " X@,2 B-? 2
EC@C ' L &Y V $ ''<!& 0/ & "'E> B@ '#C>AD@CY
--D
!,SC-.@2' -E ' -C?'- ' ' B7K
!, C-) B C@
,&1 "' &11 +' - ' ' @ + ? D, AD'
->A+G' - ' A., AD2' > @D' ' +B@' DE+ A.> B A.'
@J +B@+' - '+B A)' -? A.' C-?' -C' - +@D' +B'
+B@' ->A+G2' ' &* ' , ' $ - &' '* 0
5 'O')# O' 1$ ') 1 0' ,'8;PKM(;=QE2 A' A.Y
, AD2+B@'E@ +'%B@@ @' '+B@'%E@ BGC@2 AD'+B@'!BC-J BGC@2
+B@A'+B@' O AE>CG'%B@@ @' ;Q=Q' = ' < . ' &&. "' QL'
'!,+ -J B C@'&G@' ;KLQ'C ' '"' ",!0' 'O<K O' $- &'+'
3> B' +B@' D@ +' C @+G ' +B +' ,,@D' +B@' !BC-J B C@

E ' 8 (' A' -,D' EC@@D' - ' B-?@D' B@@J' J@ >, C'
+-' !BC-J B C@' ' 46L+' ' ?-D@?' EC@@D' - 'E, U @D'
B-CA,@ ' B@@J' -E+ A@D'EG' C- A.' +B' +B@'! ->+B '
D- A' , -2' A' -,D' EC@@D' - ',-A. B-CA' ++,@2' AD'
- ' A@
$>%' ' B 7' &) ' &) ' &) ' '8;QM<(' 53 +' B +'
A@' EC@@D' -'E-. ' B B' +' O CA@+' ? CU@+' C@' ,,@D' +B@'
!BC-J B C@' S!-.' . B.7 ' ,0' . &* (L=;' B@' -,D'
!BC-J B C@' -S' C@? CU E,@' -C' ' , C.@'D@ , J' ' ! 0' OMN'
B@' -,D' !BC-J B C@' B@@J2' B @' E, U' -C' ?-++,@D' @' AD'
,@. ') ;K=4' C ' ' "' ",!0' 4 4 , 'LL< O' C @+ @' - '+B@' B-C+'
-C' ? DD,@ --, @D' EC@@D' - ' B@@J2' AD' ? -A.' +B@'?' @C@'
+B@' -,D' !BC-J B C@' KKM%' ' *3C$ - ' ' ;O' 5-C'
l> , +G' # ' ?>++-A2' +B@' !BC-J B C@2' EG' >A @C ,' -mbA -O2
-?@'A@S+'+-'+B@'!->+BD- A
/' !/ -E ' MC?'- ' B
!BC->D' 8:C AD(2 1 3 5-C? ' + ; L' C>D2' 4 '
@C>>D2' L' C>D2' C>+(2' L =' BC D2' L M' BI>D2'
= P' BC- D@2' = M' -BC- D8@2' = ' B+->DO2' 8='
C->D2' BC->+ @2' P' BC++D@2' BC- OD2' M'
@BC- D2' BC- 'D2' B - DD@2' Q' C->DZ(2 P)Q'
BS- D@2 P <' BC- D ' = ' BC->D ' * 0'
+C' A@>+' ' # ' 'A@> +'8 , -' ! ' U'? (2
++ A. 2 >CA +>C@2' -CA ?@A+2 , -2' -?@' U AD' - '
+@S+ ,@' EC '8 -C ' '-CA ?@A+2 ++ C@2' 3 !
? 2 + +@' ,-+B A.2' -CA ?@A+ 2 ! '
? 2 ++ C@(' ' # @A+ 'T . 3(,-A. U .C D@'
- 'T .) 3 +-' >+'8 @@' ')' 1 + H'
, ' . C?@A+' A' C+ ,@' - ' ,-+B A. ' ' 0'
AD' 8#A@' (,-+B@ 2 ,-+B A.2' E E , ?@A+ '
,'S---I 5$ E)+A'7 C 7+ , U@C';P; M') S)))2 C>>D'
,'S---'] '< 'd S, 'OO AD'^B@a @ ,D@'B C ') >?'+ ' C>D'
,'S DF' ';LQ ,+' >@ BC DD' E_'E ,,' BC>D')OD@'B@'+,,'
-D@ ' ,,+@CC' = S -W 'PLMO J) ' @-C,@' E@- ?' .@CD@A'
? D' .-D, B@' C>D@A' ^)';LQP' C>D@a' $ OO 0' $. 0
4< 5@ C,@ ' A+' +C@A@D@'E@- - 'B ' BC+>D' ;L '(0' 0' !! 0
C 0' O '=QJ> ' B ,'B@'E@ B@A+' -C'B+' BC- D@) +@' L)'
7. ' A ')'&C-,'OZ ' B-J' ?W A +D ' @EC->D'^O ' A'
BC->D@ (' ' B@@J' ' ;' @C@2 ,'4==N & .' " ' M'SS S'LM='
-2 B@C@' ' BC- D 'EC ' ,>) B' ,'4=QN <&!0'#'< 2 0'P<<'
! B +J'+B@'@ A'+-'+B@'$ B ,U2 A' +B 'W EC->D' B@A@' VPNK
B ') $'- $ 2 - 'OPO2"' @' B@A@'A'?G' BC- D'
! ' 8 ' &'0 ,&0' 0'L)' B U @?@, @' BC->D'
,>@C' B@>@' ;P<= = . 8 ' , ' (&')' 2 3 G'
JC A @,G' C-E@ 2 C@' , GD' D@2' 7 B- @' ., ++@C A.' J-?J@'
/ A ' C- D@ ' >JJ, @ ' ;MLK ' () 'C$ 0'8&1'
SSS 2 ! D,@D2 'A@ E-CA@2' A' E,@' BC->D
+'E' A'.@A@C ,X@D'> @' '%,-+B A.2' @ +>C@ '
$'44!O 0' 0' &'08 >D' 3 ! (A' ;NQN! ' ? A@*'.@C'
>? '-A' @ +\-A' C>D' @+@ a2 , 5D ' $- 1 0' & '0'E 6 '
+-'E@' ,@ @ C>D' AD' - , 'S -'A 'Q ' 50' ;QM' ;'@C>@'
00& ' >,D@'B ?' B@C2 +J' -D@2 AD' C>D2 +-'B@,3 A'+(@ , '
$';LNN) & ' 0'LOPN O !B'.-,D' AD'W+ A' -C'? @A' C> B@'
$ ' %0 AD% 0"'-@ J '+B@'T @ +>C@'" A' B B'
+B@' 7 -C,D' -C' +B@' +B A. ' - 'A +>C@' C@') ,-+B@D' '
, -2'+B@'T @ ,' - '+B@' ,@ B' 1 0
,' ;SQP' $- 1 0' & '0Q<' "-'B A@'E+C@>@D@A',[0'aV@C@'?> BC @'
? E+@'E)+' IC +' B ?' B D@' @ @A' -' * J@C & * ' C>D@2 -'
J@'> @' J@' +@C@' AD' >),) ' J@',> @ , ' ' 7'
) '<P 7@'B ?' @'E C' ' ! + C@' C>D' -')U C'+@ ,'
E@ @++' A>D' * ? + A@ -' '.-D' 7@CU@' L Q ' !"C'
'+-EB' 'J@)SC@E JC@' ? A' AD'+B@' -C,Da' EC>D'J>CCB
%- ?-' @,' -+ A@DD' $'S : 0'V$ .0' <S= J> 'B@'
BC>DD@\'B>DD@'B ?2 ? D'>C@' ,@ E, B@' BC>D' SLN-'
) & ' 0'<LKN ' ,U A'+B A.'B@'. @2 & C'U AD' C>D' '
-C'+-'B >@' O ;SLMM B ' ! A ' & 'M=' AD ' +B@A'
E -?@+B'+B@'C->AD -'JC->D' B + +' -;'B @ A@ @ BC->D'
'D '&,>? .@' 1 0
$'4=NN C !!'&%') $''KP J@C' B@A@'EC DD@' A' B @'
B@ @A'B@-C@' @EC->D@' ,'S) -' ' .)' &2 !$ '<;=' ! -'
C' W ?G'@+B@C@?' ' 'A-' ,- @' 3 G' BC- D@' AD'?G'
@E@C@' @D' B C'+-'E@' B A
O ' B@' B +@' ,-+B'-C' B@@+' A' B B' ' -) @' '
, D' ->+' -C'E>C ,' ' AD A. B@@+
O/>+' 3 ' $' *(' BC->D@2'$- ,)!) -) ' $! 0
$/ ' ' 0' 0' 0' 3' .'=Q<'& @' B@A'G->' ,,2 ' ?- U@'
B ,,' E@' G->C' BC- D') SM S') ' Q;' B@'
BC->D' B@C A' ->C' ! > ->C'E,@)@D' E-DG' C JJ@D'
4M=<J ' & 'W &'0 ;;;' ' @+'B@C'? U@' ,- @'+-'
@S+-A2' AD' +@ ,@' BC- D ' S) ' .) ' $! ; 2 :'
CC @D'B-?@'+-'G->C'B-> @' +B@' BC->D' +B@'.@A+,@? A'
E>C,@D? A' ,+ A .B+' ;QNN 8 1 ' $'O$ %& ' $ '
SM ! --A'+B@'.C @'?>'+ E@'G->C'B-?@2' AD'G-?'-A,G' >+'
'BC->D' 4)Q ' 'C ')'8;KPN('OKQ' "'C@? A2
C-,,@D' A'+B@C'E,--DG' BC#>D' ' I' 3 ' $ &! ';;' ,+2
A., AD'A@@D 'D)@AD@C' B@A':' AD'%UA A' C@' A'- C'
BC->D
" OG' - + -A' +B' +B@' E, U' - ' ?->CA A.2
&) 'B 'C@ @ @D'+B@'@J +B@+' $1! 0
$%J>' = . ' $'OO AD' 'B@'J @ '+>CA2 AD' E D'
C'J@ 'E@'+-'?G' B C, E@' BC-7D' SG = / ' = . !!0'
=V $ 0' 2 %, G -,D' 'B@C' +6G' AD2' B +'B@,D' B@C'
E,@' BC->D' ;KNP' ' $ ' ' 0' ' SS, "2' B'
O C-A2 -C' E,@' BC->D' !B@ +B'D' A' B ' C-A'J A-J,G'
;KKQ'7 '!'< ') & ' ;;2 AUG' ,->D 2, U@ >A@ 3'
BC->D
& ' A' . 2 ,,> @2' AD' G?E- , '>@ '
;Q=L' B +' 0' .0'+ 'KN<' "- ' C + +B@' B>++,@' 6 2
+B +' @ @'+BG' BC->D'' ,@ -' ')) - ' = B@'
1@ C'#A'+B@'@ C+B'B@C'D@ +B E@D2' A' ' BC->D'- ' @ 'D@ D2
,'G A. ' ' 2'#' ' ! ' '&-@+'7U 2'8;K<;(
OKL' B@ @' . G' D,@C 2 +B@'E>++@A6@)' OC-U@2 +- D)2' C-?'
+B@ C' A+@C'!AC->D' SKM' B' @ ' 'e'<O :'D-'A-+'
7-AD@C' +'+B@' @A > , C ' , @2' +B' B@' BC->D' C JJ@D'
E->+'B '@@+' ;KM<: ' ' (8 ' A'7 '7 CD' '8;<;O(
'OK4' JC@ ' ?@'>J2 AD' G-> '7 6' --A'B @'+-' ?) @' ?G'
BC- D
$!0' B@' B CC@D' --+G' J @ @' +' +B@' +-J' - '
'E>CA A.' U' B B'C@I> C@ ' A> , A.' 8!>JJ- @D'
+-' E@+-U@A' 'D@ +B (
;KQ<' $'!" % & ' $-'<!& 0' SK-' " ' X O)))

< ! ' & - 0 B@'.>++@C A.2 AD,@ '?@,+@D)' C-?'+B@ C
E, U@A@D)' U 2 ,,'>AB@@D@D' AD' EC->D @A >C-A@D
' ' J, @' D @,,A.' B B' ,-C)' B@,+@C'
'C@+C@ +' ' B@,+@C2 @ J' -A@' - ' ' , .B+' -C' +@?Y
J-C CG'U AD2' ' ' +@A+'-C'.B@D' 1 0
%4LKN ') - 1 0 9' J@' J@ -AD'B>C@'(V@C 6 ..GA.' 2
AD@C' BC->+@' 1 0' LLPK ?@C ,' ++@'E' -J@C'E@' - G
++G ,@' AD@C' BC->%' ,'O& +' ' % ') ' $ "' S ''
8O=K=('9 *E2^ E@' -Aa' -' B@ @B ', .B+' A'@>@CG' BC->D@'
\' B D@' ;PPO' O '< .1^(' - (1 %0 2 0 '8;MLN(LL' ' -C'
+>C- A.'J--C@'A) A'->+'- '+B@ C'B-,D@C'+B@G'+ U@' -CA-'- @'
' B@G'+>?@'+B@?'->+'- '+B ' BC->D ' '? @' ;PQM < R
7 S,E@'6 A+-' ' @,,G' BC- D@' ' E@@J -+@'
,- @,G'E- ,+@' ? D'+B#' --DD ' 4!QQ KQ V[V >$ ' !$' '
'S S'ONP A' &!' ' "'#>C' ->A+C,@' -A @A@D2 A+-'+B@'
,U ' AD' BC- D ' # ' ,D' E@ + ' SM+M $ '%' ' '
! '8;KQ;('+PS' B@A' B ,,' @' @@'%BC +' -? ? A.' A'+B@'
,->D@ 2 7 B@A' -?@'>D,,' D ' B-,@'?->A+ A@)' @C@'+B@ C'
BC->D@ ' ;M)' = . ' &-) ' ;=Q' $>A'+-'G-6C' BC->D 2
+B A' +B@ @' OC U@' AD' C@@ '' ?) &')' $ "'
8;KOK(0' LM=' 7 B@A' ?@A' J>,,' D- A' +B@ C' B-> @' +B +' C@'
C> A.> 2 +B@G'+CG' B ,@' E@' @++ A.'>J' BC- D 2' E>+' AD A.'
+B@'?'DC-J' A2 +B@G'E>6D'+B@ C'B-> @ ' . A
! ' * ' 8C C@,G' ' 0+' ' CGJ+2' >,+' @ J' JJ, @D'
+-'+B@' %B J@,' !+'5 +B' A' ! +' & >,' '8) +B@DAD '
8% ' 8) ' . +' - '%% 0
XWP-') ' = ! +"' ' C> + >,,' !@C? -A' ? D@' A' &->,@'
E U B@' +' -AD-A' A' +B@' !BC->D@ ' SW. ' . ' ,%0"'
*&)% "' ' BCJ D@' ',GU@'E>+,D A.@' AD@C'+B@'.C- AD@'
> "&' ' .B ' &"0') ';PL' ' B>C B' AD@C'+B@' .C->AD2
, U@' +-' +B@' BC->D ' A' & >, ' SM- ' ' .) ' C! ' "'
SS ? ' S' 'LO;' !BD@' .-@+B' D- A@' A+-' +B@' >,+' -C'
BC->D ' ->+' - ' B B' B@'D@,+ @C@+B'B@C' JC-JB@ @ 2 +D S'
%- F$ 2 *& (' BC- D2 -C'D@AA@' >AD@C'+B'@ C+B' ;Q<N
J ' & %, '=;h S+'L<O' B 'JC@ B@C' +' & >, '%C- (
@A+2 A' @CG'E D' @ +B@C2 +-' 'J, @' ,,@D' +B@' !BC- D'
;KMK = . ' 0'* $ ' ' ;M=' -CD A.'+-' -?@' ->A+'
+B@' !BC->D ' @C@' '+B@'+C -C>?'#''+B@' B>C B
i'M ' !B D- 2 B D@'% 0' JC-+@ + -> ' 1 0
$'$/ %') ' 'S? ' '"2 ! - +'B 'D' +B' A.' AD'J,>?@'
B->' A'BE' BC- D' E ,+'G ' PKK':)' &) 0'C !('7U '
8+-,-('O=K -'C@+GC@'+B@'?' C-?'+B@'B@ +@' AD@C'+B@' B D@'
- ' ' '(C@2'-C')>->D@'- ' '%B>C B' SM-M ' ' ' ' !@
" 'S 'Q;' -' B@ C@' C-?' ?@'G->'B D' ,@ +' A+B-AG2 AD'
J>+'G->C' @ ,@' AD@C'E ' BC- D2'+B@' A >@C , ' AD,-CD
+'b' B@' EC B@B@' ' '+C@@2 -A D@C@D' ' -CDY
A.' B D@' 1 0' 8% '!' "J-/'))(
> "!'X S ' & ,0' *0'=<'7 B@C@' ,U@' '?->A ,A.'%@D C'
B@' B->,D'E@ C-' " E'J,>?@D'+ VJ2 ,- +' A+-'+A@' GC@' AD',@+'
+B@ @' BC>E ' +' AD@CA@ +B'E ' BC- D@' SMSS . ' O .0'
SSS L' B ' GC A' ' ' '%@D C' A' @E A-A' +B' ?C@'
EC A B@ 2 ? D' +B'), D- A.' BC- D' '^!-' ;KM=' $@ @D a'
M ' '+B A.' @C A.' ' - @C A.' -C' JC-+@ + -A'
' D@ @A @ ' - @C A.2 C@@J2' @ ,2 T ,- U'
D .> @' - ' -?@ B + & ,$!0
$// '<' 3) 'C& - '8 KOP_': : ' ;Q;2 ' B ,,' @+'?G'
BC- D' -C'?G'D@ @A @2 6 AD@C'+B@'? +@, ,' @,+' G,,GA.'
>DG@A @' ;PKQ' ' $* ' '=' .!& 'B K<N(' L' B@'
.C@ +@ +' -C CDA@ ' C >@+B' ' BC- D' AD' +B@'?)> +'
?, ++@C' A>8"'B>' C +B->+'D@ @A @' uXO 'R ' & *&'
2 - @ %->,D' A-+' A>@A+2 +' BAW@,)' ' BC->D' ?-+@'
!>E+ ,@2 -'J @ C ' '.> CD@ ' SM '<0 ' !
$-0' 8SMLO)' KM!-,2@E) 'D' A' BC- D' +@' '@SB ,B'
+-A ' SM)S #) 'C& T ' 'LL' B> ' C @, ,U@2 B@'
+C @,,' ' +B' ' ,->D' O -+B' ' ' -AD> +' +-'B ?2 AD' '
)C->' +' M<Q'&- + $' ' D0'< ' A'S'8;QSP(<=' B@E'
-J ' 7@C@' -@C@D' +B'C ' " D@ 2) D' -+B@C'BC- D2'+-'
JC@ @C @' +B@?' C-?'5 C@ E ,,' AD' ? C @'7 @ J-A 2 L% '
'6 ' & 0' ;NL'! +B'D' A' >E + A+>D' BC- DW
- 'A .B+2 B@' U' ? .' >A' B ,,' C-?'+B@' -C,D'C@'C@' SK-K
& ' ' $ ')' ' S 2 + ,@A.+B'+B@' C@ B@A A.' +@CA'
E, +' D@'+B@') ->D'- 'E ++,@' +' KS=] ' $0' ! ' '
QA+C-D2 O@A@ +B'-C@ '> @+' DC-JJ@D' +B' .-,D'
@@D' AD' BE' +C E>+ C@' ? A.,@' +,,' ;KPN' : 7. 3'
! &' ' &,.'SS 2 '.C@G' BC-> '-'C?A' @@mbA.'>J' C-?'
+B@' @ + CD' ;KMQ C B) 4' ,!' $! -$ ' 'M 'B@'
+B U@ +' BC->D'-'+B@' G
2' @ BA ,' @A @
' A' ') AD?,,2 ' JC-+@ + @' DD + -A' +-' B-C X-A+ ,'
, 2 E ' +B@C'-'+B@'+ -' AA>, C'J, +@ ' +'+B@'J@C JB@CG'
N ' ' 7 +@C B@@,2 EC? / .'+B@'@AD ' -'+B@'E>' U@+ 2
C ?'-C' , A.@' +'-A'+B@'@AD '- '+B@'+@@+B' - ' '.@ C B@@,
PQM' 0' 0' ,& (8;KKK(,-S '!> +@A+ AD-
DUb>?' ?-,) D?>A' A'-?A E>' >@ @ C 2 JC@+@C' A'A@ '
!@EC->DDE'+-'E@'?G,A@' @ ' XM J' $- > ' $ "'8% ?D@A(
"@C'^C' ' C- ' a'A@ +' , GD' E@+ @@A@'+B@' BC- D@'
A'+B@+?JJ@ ,@ - AD? "a' SMM@'$ " , 2
B $ 0 3$ 2 ' 'l-?@' -'+B@C@^B-C X-A+ ,'! , ' - ' ' ?,,a'
C@' ? D@'+-'.' +B' BC->D ' -C' B@,+@C 2 -+B@C' +B->+'
1 0' B->.B'+B@ ? G'U@@J' 3> +C? ' AD' G2
G@+'A@ +B@C') 'A-C' AG' +B A.' A' U@@J' +B@' C' G'
!QP<' C !0' $' 0' ;OM B ' B@@,' ' + -' A B@' A'
+B@' BC->D' -C'D@J+B' - '+B@' E>D@@+' Q<Q' : ' < 3 ' &$!'
2 'L;' ^!J@ + -A' -Ca'*AA@G ' -C' -A @G A.'+B@'
-C @ ' '!BC->D' -C'+B@'? DD,@2 ,' ^A B@(EG' *2' AD'S
D ++-' EC'+B@'OC U@2 ;KK=5 ' ' $, ' !&, . - 0
O<;' B@' J @' - >J @D'EG'+B@' BC->DW JC@ ,>D@ '+B@'C'> @'
A' + B@ 2'E>+' A'B@' & ' - A.'J C+'- ' ,-D?'+B@G' A @C @,
K ' $ 1 0' AD' & - 1(A' @A @' O2') T !& (
$;' &) 31&)' (T . ' W0' AD' 0(-$. (
T-$' ,) ' ,>C->D E + 2 ' ?@?-C ,' EC '
A' B B'+B@'D@ @ @D' 'C@JC@ @A+@D' A'B ' B ->D'
BC->D J, +@' 'QE
A %/' (' " - ' ' $ $ 0' O=' !BC->D E->AD2 +-?E'
B@,D2 B-> ' > +'C @'?@' ;K<N $!" ' 2 'O'# ?'PO
&@CB J 2' ' ?-C@'+C>,G' ?-CE D' AD' E-? A E,@ ')'A@ @C
DE.C @D'+B@' , ' - ' 'J, @'- ' -C B J'+B A'+B@) EC->D'
EC ;<; ' :' ! '3 '9)'? $ ' KO !U@,@+-A ' B@ @'
C@' A-+' -' -++>A-A' ' BC->D'EC @ 2 ';K=Q' . U ' # 9'
&' +-?@ C@ ' ' ' BG' '? . ' ? A+,@' ' *$- A.' C @@-2
O>C +' +BC->.B'+BG' AC->D O-+B' @C@' '+ !' @@A' ;M<Q
' ' 0'< & ('OP' B->?' B- @' " AD' +B@' !BC- D'
,U@% C@ 'C@ C' ;KLP' ! ' ' 'O'4' 2 A'B@C' BC->D'
6U@' . +?@>6' AD' ++@A> +@D' C ?@2 B@' @@?@D)' '
J@ +C@' 4<4L' ' !(0' 3 G'O== B@' C2 BE' >CJ, @

A@ @C -' @,' SK) M' . 8' A' ',",!(&*0 8;K=P(

[illegible]

53 !) ' !& ,$!0 , -'M Q' BC- D8@)

BC--D' ^' B)'; ' % ')' /' $' 0

-' ,-V 8 ' +C@@' -C' +' EC A B@ (' , -' +B' &%%H'

- ' $ &!(

[illegible]

607E<' -E ' -C?'-' 8)

B 3 ,,D + @'8*C > D) .('*& 0 ^')' 1 '

i' ! a' A@' !BC-+D' 8-' ' B J(

[illegible]

L 5 5T 0 C*!T$(^ !"$#6 /X 24' i' /) a' %-A'

),@Db' @ +) ' B@,+++@D' @A @,-J@D' A' ' AC->D

[illegible]

E' 8!@@' I>-+ (

[illegible]

!BC->D@C' $ V' ^')' T 'N" ; a'

#A@' B-' B+->D '-C' - @C' -J

[illegible]

!BC->D>. 2' 3' 10 ^')'- ' i'" J'MV

[illegible]

C@@A' JC-+@ + -A2' -A @ ,?@A+' , G A.' A' '

BC->D

[illegible]

/' , (B@' BC->D'-' ' +@C B@@,' -C? A.'

A' AA>, C=?' +'+B@'@AD' - '+B@'E> U@+

[illegible]

'$ 1T' E- CD2' ' JC-+@ + A.

E- CD' ,+ - > D A.' J, @2' ' B D A. J, @' -

&) ' 'H EC->D A. J, +@' ' &) '

*!$ '!".--/' 1['K' ' BC->DE .' E@@+2' ' ADY

A.' B@@+

[illegible]

!B -A D)2' 3' ^;' B) T /a' -JJ A.'

[illegible]

!,>C-A D .2' 1!0' 10' ^' B)' 10' i'

?-', :' B@' BC-+D'-' ' B J' +

L@ / ' + ' , A+' +B' +C ?' + U,@'

BC->D A.'

! B C - A D A ! T))' Z ' i' ? -' O a

B +' BC->D 2 @, 2 - @C 2 JC' -A @ , '

[illegible]

!BC- ,D,@ !' ' I' B)' &e . V

2 7 +B->+' ' BC->D' -C' 7 AD A. B@@+

[illegible]

/' 6A BC->D@D2 >A-E >C@D

[illegible]

!BC- ,G)'-E ' -C?'-'I 8).

!BC->DG' 8: >D(2 $($ (^' B)' ['i'

1 a' -CD A.' B@,+@C

[illegible]

!BC- @' 10 1T@S' $!0 ^!B-+' -C' 3 R

) '-C' 3' B) V' !BC- @+D@2 -C' +B@'

?@A) ?) A.' -A>@ +@'+B@C@ +B

[illegible]

E' &-12' EC- @ -U@2' ' ? ,'@ U@'? D@'+-'

. @' B ,DC@A' B-'.-' 7- A.'8" ,, @,,2 ;K=Q()'

+' E+- @ -U' f' & ' ,&,. ' 8 @@' S '

1E' 10 E(' ' BC- @ JC@A+ @2' -Ao' -'T' ')' #'

C> A,G' @,,- 2') B-'+--U' >J-A'+B@?' +' !BC- @Y

+D@' +B@' A ?@' - ' -AD-A' &C@A+ @@ 2 AD' A' +B +'

B C +@C A D@D' B-> @' - ' , ?@'"8" +, @,,(

[illegible]

!BC- @' 0 10@S' $!(I ' & ' A' 3 R

) f*' % 0 -'U@@J' !BC- @+D@' +-'? U@'?@CCG'

+@A' A' 4%&' &+' $. & M' '8,- ,,G' JJ, @D' +-'+B@'

JC + @' - ' .-A.' *->AD' A. A.' -C' ?-A@G' -A'

!BC- @' >@ D G(

[illegible]

'!BC- @D G' 1 0 $ 3 ('P' BC-)'^!@@'

3) V' !BC- @' >@ D G

[illegible]

!,C- @' 3 -AD G' ' 1(, -' M' @BC- '

^!@@' 3";I V' B@' 3 -AD G' E@ -C@' !BC- @'

>@ D G

[illegible]

0BC- @ 6D->0@2' -E ' ?'-' 8" B f'

'!BC- -'!>AD G' 1 0 , -'P)M , C- 8 2'

I @2' M' E -+2' BC- @' ^!@@' 3 " Q) V' B@'

!>AD G' A' !BC- @+D@2' F> AI> .@ ? '!>AD G

[illegible]

+'!) - @' AC bD G' 1 0 $ 0 JJ'@CC-A'

-C' ')) ' f' 3 >ADG' B>C D G

[illegible]

! C- @ +S$o' , -' 2 BC- 2' @ 2

@')) - 8 (b'M'%& 0 8-(+- , 2'M Q' ,C- '8 (2'

BC#0+G' BC- @+G' ^#' '-E >C@' -C . A

B@' C +' @,@?@A+' E'>AD->E+@D,G' C@, +@D' +-' 3 ' AD'

[illegible]

B@' J@C -D' -? JC A.' F> AI> .@ ? '!>AD G'

AD' +B@' + -' -,,- A.'D)G 2)!BC- @" 3 -AD G' AD'

>@ D G

[illegible]

E' % 0 ' + ?@' - ' ?@CC ?@A+

[illegible]

'$ '1:' ' & ' '('T%&&!' '!BC- @Y

+D@' - U2' ' -)'+@D' >J' AD' J)+@D' +B' + U'

-A' !B+- @' >@ D G' '!BC- @+D@' B@A2' ' B@A'

@A+' ' JC@ @A+' -A' !BC- @' >@ D G

[illegible]

!, CD @' A@ D G' , -' P' -BC- +@ 2' P !'

EC- 2' M' BC- 2' - + 2' BC) ' ^!@@' JC@ a'

B@' >@ D G' ??@D +@,G' JC@ @D A.' B'7)A@ '

D G'- +@I' ,,@D'*$',$.' $"0

[illegible]

E2' $E) '"(' + ?@' - ' ?@CC ?@A+

[illegible]

'$ 1((' & ') $"' ('*$' $. H'

'!BC- @' >@ D G'-- U' & ' ,*,.0

[illegible]

0 C- 2' 1!(10 10@S' $!0 ^' & ' A'

3) E' ' 3' ' ?: 2a' B@'U@@J A.'

- '!BC- @ + DM' +B@' ?@CCG? U A.'8) $C +@C 6 ' -'

+B6' @ -A' ')+ @'C@*- A.' CA ,

[illegible]

=!$ $ 1(AD' & -10 ' & ' ' $"((

- ('2 $ ('2 .' EC- .'--@U2'B@A' & Q

',&,.(. '0

[illegible]

;M<;" ' I $ ++ !' $ E ' S + 'LQO' +B @' %>D.@,, A.'
- '!EC-A\. %- U' 'O' 0 CE C-> ' > +-?
607W 'DE ' -C?'- ' 8
4 07>W(0C 4+ ' "' % * ' 09'?' +'
5 (?*-0' * 2' "' 6 '(
& ' ''*)',2' - ' >@' 2' ->AD@D'
B@C'C@J>+ + -A' BC- CD,G
607W< -'73='?701=7?' 6 '' 8 ''
4 3',?00*3/'=3@ 701=F (+'=50E33-'# '
=,7/60 33-'M'=607E3' =4 0-W3M' M *' (60E33' Q'
(3073' ' (30E3' 0 LL' 0-L0' ' E?+33'?-0 '
,7DDE** K87 4+'7 D-/ L0-=E1-<'*7' -('>'=60E33-0+'
E <-0H7W2' 6-0-' 1(+' 6()-' 3-- ' (' L(0(44-4'
?701' >=D0E33' W *67E*' E14(E*' 9 '0 *' =' ('
L(0(44-4'?701 /

B@' -,,- A.' -C?' @@?)'+-'E@' ,,'C@, +@D' +-'+E@' A.'
-C#' 6D' +B@ C' ?@ AA. 'J- A+'+-' '.@A@C ,' @A @' - 'T'C->.B
, A+' -C'E> B' "5C)C))'+B@'EC--?' V A+<>AD@C --D2'
C) B --D(' 75,@?' , &11' , ?EA.' ,D' J@ ' -C' @+ B2'
DC7 ' . F)11$'D C' -CA@,2' / 'D ,2' .)1'EC> B --Da
: ' ' W77<+'L4(*' =1(44-0' *6(' (' *0--'U' , %' '
6 '('L-0- (4'L4(*' 6() K' =-)-0(4' W77<+'=*-1='
K07W K'?071' *6-'=(1-'077*

<Q ' A' 0 C B' $)!0' $50' 8;K<L(' ' MNL' # ' E)C@' + A'
+C @+@' AD, A.' -CGEE@' T'-C' , "11 "' +B@' 3 ! ' AD
+ A +''a' E @+' B +' G+A '+-' A+>A@' X ' 1 0' 'PK' 5C ?'
7 A@JC)+B' @ +C)+@' +-' -A@' @ @' V@' .@E' +-' 7 A B@ +C@'
E +' ' BJ+@A' BC>EE@ E@DD@' E + @A@' E ' BC>EE@' AD'
7 ABEC +

X WQ' 3 ' &'' 8$-,, (' ' M;' ! BC-G E>CG E ++@'
!)-EE>CG'- ' BC-EE@' AD' C>G'+'E +'.C@ @' -?+G?@'-A'E +'
E ,,@+' ;L<L' 7.'C0'C 0'% ' 'O'1' B-J'?@' A+- BC-EE ' 0' 0'
EC>E-)' 'G' ' B@JB@CD@' @C@' OL<K' 3 '?$ .0'
C ') S + >'8;=<P(MMM' 3 C+> ' ' ',G+G,,'+C@@' ' +' @C@'
' EC-6))' 4!LN' . 'OMQ O' !D C-EE@' 'E>))'$ 1 T'
$)0' + X ' $ 0' 2 ' ' 0'8 CE (';K' B '+C@@'8-C
C +B@C')>E-@(' 'D@> D@D' A+-' ? AG' EC >A B@ ' MX-'
' VE AF1' $- ' '? 0'8;MLQ('P<P' ' @CG'+B U@+'- ' BC-E '
>J-A' A'E ,,' $'W>++' 3 . ' $ "' LN' !)+ ' ;M==' $- @ '
0- CG2',))C2',@A+ 2' AD'+ ,@',U@' @@+' EC>E)' 0" '
7 ' +C ++' & ' , ' "' 0' <K' B@' B-+,G' A' B CD,G'E@'
+ ,,) ' '+C@@2'+B-' +' ' ', C.@' BC>E' K- '9 8 ' $ T'
2 !'++' B@' ,- @C A.'+>C>E '+B +' D@ U' ->C' B>?E,@' D--C'
'S ' 0' &- -0' ;<Q' B@' -++-A' BC>E' '
>,+ +@D' A' AD ' ;KQN' ' ') 0' !& $' W=O' ! , S'
B@CE @ B@' ? ,,@ +' OC + B' BC>E
&' 0' XMWL') ') ' C " & '0' ;==' #A' +BG' +B .B 2'
4BJ>.A' ?@ .C@2'>.,G' BC>E '- 'B C' C @'
+V '% T' ,AD' A'JC- @CE ,'> @
: "(' ! - $''='C 0' ' ,2' B@' BC>E' ' @' B@A' +B@'
%) C' B U@+B2' ;MN=' '9 7 'C$ &' ' ')0' W' 'OOQ'
B@ @' ?@A')>@ + -A,@ @' B >@' -?@' , ++,@' BC>E ' - 'JC D@'
AD' A + @' ' $%&%' < ' .'C& - . 0'8 C- C+(' 'O;L2'
' '!B J'+' #A,G'+-' ,>++@C' A' +B@',- @C' !BC>EE '# ' C+A '
E-?@' -,, @ ' 9"O' ' 8 ' (' ' 'e'LQ' B@G'
B-' +B> ' + ?@,G' D@ @AD' A+-' +B@? @, @ 2' >,+ + A.' +E@'
.--D' @@D ' B B' A +>C@' B +B' @+' A' +B@? E@ -?@' A-+'
BC>E 'E>+' @D C ' A'+B@ C' .@A@C + -A
?' ; ' '*W K' =L0 K' =L07E*'

,'OPLN' . '"&,'$ '&C-,'O' *'E2' +' .C@>@+B' +BGA@'B@C+'
-C'+B@',- @' - ' ')4-' BC-EE@'-C' JC G@' O)P'- '
+C ') %''&'3 , ' +,'LN' B@' +B U@C' +B@' E> B' 2' AD' +B@'
?-C@' +-C@' - ' BC>EE@' ' +' B +B ' O;P<O' <
8+KM 'LNM' B@'C- @' ,+B->.B' A' +B-CAG' BC>E ' B@' JC@ D 2'
' + ,,' +,+@' C- @' OM=Q' ' L ' ' 5>,,' - ' BC>E 2' &!'
*)" '(
: & ' ' 1-(' ?-0 70' =K ?D(*' L-0=7 U' ^>
D?4* ' '

&8+ ' $ 0' 'c$%' *'E2' !> B@' C@,@ 2'EC A,@ @2'
@A!,@ @' BC>EE ')PM' ! ' 8 ' -)' <L' -D' @G'
AD'B 'B@ C+' W'+- CD '+B@? 2'+B->.B'J--C' BC>E 'JC G '
A $' 8B@+@?J,@' OMKL' 0> G ?C) b ! 'b 8 M<S(' ;L;' B@'
G A+ '?'.C @2' @+ ' ' +B@' @ U' AD' BC>E ' OM<N'%
@ , ') 0' D' %" 0' 0' 0' 0' ' --' B@' J--C')C>E'
E D' J@D' !# @,,' A'JC G@C
@ ' ' (< &

S@! ' = I. ' 0' & ' ==' 5> ?+-C=@ ' ' E> E@' -C'
BC>E, U@' "@CE@2' ;PKO' B ' ' ' 'M;' J CC G,D'
A' BC>E' @) '+B-CAG' ,&') -' - '' * ' 0' ,0"5 .'
': ,' $ "'8;KKK('OON'1@' I> C@ ' C@' >,,'- '.-- @'
E@CCG'AAD'WBC>E +C@@ ' ;QKM' ' 0'L;Q
A' ?- +' - '+B@' +C@@' AD' BC>E' U AD ' ;Q<M' 9 7'
? 0' C!$' '8@D 'L(' '==K' !+@? 'C +B@C' BC>E ,U@ ' $';K;Q'
4 ' / + "+' $ 0' 2' ' 0"'@+ ' 8OKO;(' '=PQ' %>CC A+ 2'
.--!@,) +@ 2' AD' -+B@C' U AD '- ' BC>E' C> +' ;K=O' 8 R
7'C *C$' A+C-D '=M' ,,' +B@' B ,@' +BG'C A' O@ + ' @C @ +'
-A' B@C' !BC6E B-> @' ?D- J A@' S)-'%' : 7 . ' '
' 'S,(' B@' @, -?@' B D@' - ',- ' BC>E CA.@D' , '
OK<Q' = ' I 7 . ' (' ,$'PO' 'DCG', AD' BC>E E@,+
3 ' * ,0' (LL4 -<'*7' =6133+'L4(*=' (<'*7' 7*6-0'
(*E0(4' 73M-D*=' 0-=-134 K' =60E3= ' (=')1' ,& $! '
2 & - :' (4=7' =41 3'D7**7 ' (@)(0 -*+' 7?'*6-'D7**7 '
L4(*' *- 1-< (*-'3-*W-- '*6-'6-03(D-7E=' (<'*6-'
(0370-=D- *U' ?'&60E3>1(::7.W' 1(0=6' 1(447W'
E $:' ?=60E3. K3*=6(<-'W77<+' K6*=6(<-'
&!$') - ')!,$ - $ $'H =60E3' 7(J ' ^$,)1T&$."'
8 ' 1 3' 'DU' ?'=60E3'L-('*6-'=60E33+'L-('7?'
6-' (03(<7-=U' =60E3 =6 44 K' (')(0 -+' 7?' *6-'
L - **<-' =6 44 K' ,=--' O ' 3/' 7?' (==([
D6E=-**=' = ' T' 0+U' =60E3 = (4' (' E07L-('
= (4' 5'$ 1) &) - U' =60E3'*0-?7 4' +-447W '
077*',=@-' *27 ' ((6 +
`9 ' ' $ 0' ?& 0' KPQ' !BA E' J-++@D' C ? C+'
- ' . A+ ' SMKX' < 8 ') - - 'A' 'S' 'OQP' B@' !BC>E '
-C ' & $!!) - ,&) -0' A / ' ') ' ",!0' &- -(
=L= ;' B@'J-D' - '+E@' EC>E' -++ ?'D)@C C-?'+B +' - '+B@'
B@C-' A'E@ A.' . B)V@D' XM)' ' $('?&0'
ONK' !BCD+V' 3 ,? ' >B' ' B++@)-C' JACJ,@' ,- @C' ;MM='
) >E'A)+ B D@'8 @@' (7) ')Oa' XMKK' ' . ' T'
K -&) "' '? 'QP O' B@'!BC>E' B +B' 'D CU'EC- A
+-)' AD' EC A B@ 2'+B@' ,- @C ', U@' +B@' -??-A' .B+

B D@2' A'-A@' B +@2'+-' E,@ ' ;QPL' ' 8 ' $ 0
8;QMO(':'?' ',S44 4'=N!'& ?A.'+BC->)' @ @C ,' -C@ + -'
r BC>E'?U ' QK=' :2' . ' &) ' ' (8;KQM(';K
?-A.'+B@'EC U@' AD' AD ,, ' AD' EC E- U'-A'+B@'J+B'
?A@'J, A' D*- AA.'+B@'&-AD' XKMK 7') &''OSL'
3 UA.'->C') + C#F)'.-C.@' ,,@D' +B' BC>E - U '
H3 ! V' V !-) -"H 0'OQM<;;;O<;'&B @->'
O CE D@A*' ,CA++ ->'!?)AA' D>C +B?' ' B@ !@ @A'
1@ C'&@ 2' AD' SKMS' B. '50 &D) 'T
$' &''0) (;QP B@,)@6S CE> +-C>?2' ?A2-C EC>E'
A ' SMM!' . 3 ' %$-$ (PP') ,$ 0')r !BC>E'
-C?
6073' ?W3/' 0 (0(*' 7?' ' 70
1-*(*6-*D'(<' 0(3' + '<0 J'<0(EK6*G
: ' 'L0-L(0-<'<0 J'1(<'W*6'*6-'IE D-' 7?70(K-'
70'4-17 ',70'7*6-0'(D<'?0T*/'=EK(0'(< 0E1',70'
7*6-0'=L0*/
#+@A')% d) H' , -' +B'-+B@C' I> , GA.' -CD' AD 2
@ +A.'+B@' A.C@D @A+' ,,' B B'+ U@'+B@' J, @' - '+B@' C>?' A'
DC AU' JC@J C@D' !'+B ' G'+-' B B'+E@'A ?@'T BC>E" '
@S+@AD
OQ=Q' < ' !0' 0'=MK ' ?S+>C@'-'@?-A'*> @' AD'C>?'
8 BC>E' '+B@G' ,,+('? G'E@')C@D'A' AG'I> A++G2 ' ,,
U@@J' ,-A.'+?@'H890 ' &'(H ' ' 0'SK' BC@@' @ ?@A'
DC-J+'D- A' +B' +.>!' AD' +B + +2'+B->.B' A@2'C>?2' AD'
BC>E' @C@'. @A'+B@?' ,+@CA,+@,G ' ;QM=' . U '= L ' '
&) 0' 8@D' <I;=P -' V' #C A.@'!BC>E' ;KNK' *& '
$ 0' 444@' <<2)K'. ,,-A' -'C-?' BC>E' OKLP' '
?&N"' ' 3 ' A !' C@AD'' G->A.' ? A
->,D' B @' +B@' , D,@' .-' A+-' +B@' %C- A2'+-' + @' -?@'
BC>E' ;KML' 3 .S (' & '* 0' $!!$ '8SKMM(' OLK O@@C '
BC>,S'EC ADG B++ E2' !E@ CG BC>B2'! ?UA BC>E2'+@ BC>E'
SKKK' ' %" ' (&'S 2' '+B@C@' AG', A.'? A' B-'
A- ' ,, ' -C' BC>E' 7
; ' ' D70< (4'70 @0(L' 1(<-'?071' V0-'IE D-'
7?'*6-'0(@31*+' H*6) -K(0'(<'= K(0
SKM-'# ' 7 ' ' .=QI'?! ' 0' 2' 3C'&@ UB ?2 ->,D'
G->'E@' -'J-,)' ' ?@' ,.' ' C>E' ! , '&@ U
B) '+--U'C-?'+B@' A?,'. ' >J2 -A+?AA.'
,>3C@D ,+)?'B>@' AD' >E D'A'+ +@' 4KK=%' '9 '
'C! 0'S 2' JJA.'+B@C'C JE@CCG' C>E' A' 'C@+C@D'
@-CA?C- '>CA'E)1#-)
!, C E' %)E(2' 3' +# ' ? SDD' -C. A' J C+,G'
J C ,,@,' -C?'+-' ' J C+,G' B '
7 +U' @A @'=' '3 /> ' % '+-' C + B'-C'C--+'
A' *6-' .C-A+D a
Q' ' I & ^ L '*8*' 4'
4L 'V0' ! (' 8B >D' 3!('=L;N J@'UA >@' .C E@A' B@C'
B-C'\' BC>EE@A
'O' ' 0' -'C-E' 70'=D0(*D6'*6-'E-DG'*7?<K-*'
NS=MN' :' B ..'?.0')) 'LNN 7 +B'G->C@'E-DG'E@'
A-+' EC>EEGA.@' > "#'(' ' E' $ 0' '2' 'B- ''
'B- ' GD@')D- B2' BC>.. A.' AD' BC>EE A.
?' ' 7' =D0(*D6'
;MPQ' 7 '%) 0!' $- ' ' ' 2' @' ,- @' +- BC>E'
+B@C'E U ' +B' +'JC U,@'^+E@'+@ + B CC- a'
* # ' ' 7@E3'EL',3E=6-=/U' *7 0 < ,K07E </
7?'=60E3=' 70 =*E1L='
;PPL' & ' $, (H' '$ AD-,JB' ' 0' . &!0'8;Q<O(
MK A@'B> E AD@?@A'+B +' GC +' @'+-' BC>EE@' AD'C--+@'->+'
+B@'+B-? @ ->+@'-'B@C',@G', AD' OPQL' ' ! 0' 'PQL'
-' C>E2'+-' BC>EE@2'-CC D'C-?'E> B@'-C'+C@@ ' MXX' 7 F
6 , "'+-'.C>E2' BC>E2'C D'+B@'.C->AD' C-?'C--+@
: ' 747L' ,('*0--' *=' 30(D6-=/U (4=7'
> ! ' ' (? ,)'M=' B@' & J +@
+B->.B'+B@G'E@' -,,' !??EE@D2' AD' BC@D2'G@+'+B@G'E@. A'
@>@A'A- @'E@ -C@'+B@' JCA.@2'+-'E>DD@'SMX'!J O/'
< 0? 0' 4'SS 'KS B) ' > +-A2' @C@'C +B@C'+-' BC>E'
-'B ' +-J2 4!X ' -3 K 'C $ ' ' PM !BC->D:G'
BC>EE A.'+B@ C'EC ?#E@' (-D'C@A+'+B@?'>J'EG'+E@'C--+'
O <V %% '$(C$' '[9 0' C>AU 2' -?@'E@ A.'?-C@'
A+ C@2' -+E@A' OC A B@D2' -+B@C') ? E'D'
*- ' 7'DE<K-4'
;P<< ' 5 ' %' $? %! ' ' (7 @C@'A-+' ,(C
B ?@2' ' ->,D' BC>E'G->C' B-+DD@C' @!' OQNM B B L 6
W@D'V0 ,"+ & '1&' '+-') .@+'-C'E A.'A+? ->AD,G)'
!2 , (E@'JE?+3' +B' ,> E2
SKKM'$'5+' B '* (8 EC'@D(':;=N 'C>AA A.'
+C@ ?' B-@'E AU ' @C@' BC>EE@D' +B'E> B@'-'C- @' AD'
* ? A@' [K<4 ' 8 'T $' %%$ ' 'S'O=='
@ ,>D@D', J-+2 @,'+C@@D' AD', BC>EE@D'A
- D-' *E@33 K'
$%A$' 7 !' , $ "'+B@' BC>EE A.2-C'.C>EE A.' J'- '
G-A.' --D')WMP=' < 'C! $ 0' & ' A' '<O' ! A@E-'
?J>+@ ',E ' BC>EE A.'+-'B '3 +@C'J@C*>C @
60E444 -' ,07 H<R/' 4=7' &' =60E3 <K-'
0?' ' ' 2Q' G' 60E33-0+
4Q;L' &!!' (, - 0' $!1(& 0'8;KQL(' '9' -' @,,'
+B@'+- '!BC>E D.@S' - + ' E)'<N 'C@' ,G@A.' A' G+-A'
7 ,U' ;KNL'+0' 7 ') & ' ,$' OL=' B '@ @CY
.C@@A' BC>E- .@2
!BC>EE@D'8 CbED(2'$0'^ ' 8 ' -CZ' i'") V'
, ' !+>A+@D' ' !%$+000/'$0' ' , -2' BC>EEG'
3' &,. $' ' $)!0'8%B@+B ?'!- ('OON=' B@C@'E@'
'%%' BC>EE@D' #U@'\')@' C-JJ@D'\' BC@DD' OPK<
9 ' !10' ' 0'C ' & ' OPNE2' @@C@' +B AD' @C@'
.C- A.'D>@C!' BC>EE@D' C@@' ' ;P)'< ' 1$!' '
SSS + 'QKK' - $%) 5' !) 0' !BC>EE@D'3 ,- @'
> "" = B'?@ ' & $!"' +.C# @+B' A' +B@' @ ',U@'.
BC>EE@D' +>?J' OMKO' $ ': L' 0' E' '"!&'' 'S';MP
B@' 7--D' A' 6' +B@ @' ?+B@?' & C+' C@' B-C+' AD'
BC>EE@D
O ' &, A+@D'+C +B' E?E
>> ' & %"' '`9 5@E' M=' 'J +B +B' BC>EE@D'
E-C-?'-A'@ B' D@
!B? EE@C @D', 0*?3(0</' $0' 0?' 8
X 'J' %4(' *-<'70'370<-0-<'W*6'=6133-0+'
=< H 7(?=@' 6- =60E33-0 -<'
L(*6= 8& 3 <' 3 ' (0'=TY(' (*E0-L(0J='
?47W-0-<'=60E33-0 -<'(' <'0'*(*E-<
!! 2' 8: CE C(' 0?'# I 'CD 'Q'" V

' 'L4(*(*7 ' 7?'=313='M' ('L47*' L4(*-<' W*6
=60E3=
;Q)') ' BL B7 ' 0' &' ' ''+M'# +2' +>C@'
B 'E@@A -'C@? CU E,G'U AD'+B ', +' +6>?A'+-' D-CA' ?G'
!BC>EE@CG' UB' +B@' , @C '+B +' 66 ,,G'E,- ' +' 7B+ >AY
+D@' OQ<O (8 ' 4L) ' 0' ' ,&(J' 'E@ >+ >,'
BC>EE@CG)E C E2'- U2' AD' K &K ' ' ..'C$, 2& .
$ C$OPK' B@'B-> @' D'+@CC @' @C@' B@,+@C@D'EG' '+B U'
BC>EE@CG' OKQQ' '< ''C$ (+2'!B@'J @D'+BC->.B'
-?@'D@A @'3 C>EE@C @ '>6+,' B@' ?@'+-' A'-J@A' J @' +'
+B@'@D)'- ' ' --D
$ 10' A> % '<$ 0' 0'PM C ', A2'
.C @,' ,,E2' BC>EE@CG' -A+J +,@A+, OK<P B . 'V$%'
& 'PK^"@a' ,U@D' I> D ,G'D- A'+B@' BC>EE@CG'J +B
; '!BC>E ' -,,@ + @,G'-C' ,'?
OQQQ' '- ' &*0' &)' ' &!'';'M=!@ @C ,' J@ @'
-',X CD 2 , AD +-C+- @ 2 AD' @CJ@A+' C@!>@A+' +B@' DCG'
BC>EE@CG' ;KLQ' ' = B' ' ' 0';P'O C B' AD'
B' .C@ ' C->AD'+B@' E @'- '?@'J,, C 2 AD' BC>EE@CG'
+> +@D'+B@' D@ ' OKKL' * >' $ 0: A' ;<< B@', .B+'
+-A@D' ? @'- '?' J,@2 ,D@C2' >D' ? ,'!BC>EE@CG' ,-A.'+B@'
+@C D@
60E.33 E-==' 0?' H !' 6-'
=*(*-'7?'3- K4 J-'('= 0*'3'70'L4(*-<'W*6'=60E3='
OQQQ' ' -,' 2')11' "'5>,A@ '- '!BC>E ' ;KP;'
? ,$' !& ' 'OOO' +' '@ D@A+'+B +'A-' D A @ +- CD'
BC>EE A@ ' A'E@' ++ A@D'EG' C- A.'+B@'JC@ @A+'5,-C +'
C@+ @'^-'%, ,@-, C ' ?-A. +'+B@@?!@, @!
!,>?'EE BG' ' ^ ' B ' I'N'" V' U@'
' BC>E
;MPM' 7 '/-')'+C' &- ')'<$ ' $0'E '0'LL' B- @'
@AAG'-A@' C@'- ' '!EC>EE "'A+>C@2 '+B@'$> B' OM<='
9 ' ' * 0' 10OPO' B@' ,D'^J-?@.C A +@ a' C@'
' BC>EE B' ,- '+C@@
+' 60(?334-> ($ V' ^ ' B ' 1f' '
a' ', ++,@' JC->+'-C' JC G
OMQ=' '- 6 L'?)!.'#' 0' B@')@D'B@ @'>J'
C-?' ' JC->+A.'-C'D C>BE,@'+-'+B@' A+,A.'-'B@ .B+'
+B'+ A +>C@'B '>+'->+' #C'+,
0E*C>E,)' 6' B ' 'N" #
: " A.'+B@' .C- B2'-C'.*X@'-' ' BC>E'
* ,(B A.' J@C@AA ,' --+,G' +@' ? 'C) ,.' C-?'
+B@' C--+' A' @ C,G'>@' ,J@.')J, @D' +-' +C@@ ' - '
+>A+@D' .C- +B'8 ' !%$600+' ;(
A/ A' = '?.(&% B '3 CCB@' ' ,++,@' BC>EEG'
+C@@' A/0>' ' &)!* 'A T=') !!' '8 CE(';=K B@'
B--+@' -C' AD@C --D'+B +'.C- 'A) C@' .C@ +2 +C@@2' '+B@'
?-+'JGA@D' AD' BC>EE @' --D' +B@' @,D';MLN 1 '
0'C!$' ' 2' ' 0' $' BC%@-C' -6C@ B%C+' BC>EEG'
-,D'%@D'L(K B@ @' ^+C@@ a' @
B ,'D D@'A+-'+B@' C@ +@C' AD'?-C@'8 @D>->2'5C>+ A+2'
AD' !BC>EEG' OQ#' = ')18;QK;(' ;' MM &, A+'
JJ@ CA.'7 +B@C@D'-C0, +@D2'BC>EEG' AD'%>C,@D2' C@'+B@'
@ @+'-' '??-D@C +@'7 +'-C' "@ +2' AD'%-,D' A+@C@E A.'
E,G' OQQL' 0'? @ &-0' '- 0+2 '.O2'@D-' B@'+?E@C'
'+--' ? ,,2 BC>EEG2' AD' .A C,G2' XK-K ' &) ,
0'8SKS-(,, ' JJ'OK #A',,'+B@'!? ,' +C@ ?'+B@C@@'
C@' BC>EEG' -++-A +C@@ ' $ & 9 '' '?$ "> '
C $' 0'P<L' B@'+B U'? @'-' --D'-'!BC>EEG' AD'+C@@Y
,U@'%E@A-J-D @ @
E ' A' J@ 'A ?@ '- 'J, +++ 2'- +@A'C@AD@C A.'
(0%) ,&) (
;P<Q' <) ,$' 1$!' + 'S ' C&! -&')-' ' '
&!) -') ,$' 0' !BC>EE @' C@ -,@' A%&+'
$0'?&0';MQQ' B@' BC>EEG' ,D'0 G'#'% ADG' OQQP'
C !0' $'0 S ' ;P'& "' B@' ,$' "!' "'-C'
BC>EEG' EE .@ ' A /> X $' ' C0' '8;KM<(NK
!EC>EEG ,,- '-C' ,,- ' OKMO:-" !? (? '=OM B@'
)5 $'%) ,& $"' !BC>EEG' @ 'O"+@2 -'E-+ A+ ' ;3='
9! = .. ' C!, 'E'(PQ O' !BC>EEG' C ' B@' .@A>'
$- '&, &)@
+ ' # 'J@C -A 'C' !+>+++@D2'++D@C X@D' 10
$FIJ' 8 'C -1&. ' '8))K<;(=O U AD@-'J@-J,@
'AD@'+-'E@') bC+@'-'.C- +B2'EC- @2)' AD' BC>EEG)
; ' ' # '+B@'A +>C@'- 'C' BC>E
OP=/ ?)5)C) 9C !>C+@@'!-%('K=L' '%,- @'-'J +>C@
+B' ?G B@'+ C>EEG' --D' B??A' 66)'C$,0
1(C' ' OKO;(=L' ,- @' B +)B,@'E-)@' --D' MKX'$'
: L' 0' !0' "!&'' 'S'OMP E C --D 'E@. AC+-'E@'
@CG' >,,'-+-? 2' AD' BC>EE@C' ,) B ' QNK ';&)C +JZ'
" ' ;'K B@' .- + '+B@C'.C>EEG'EC->X%' A 'J@AD@A+'
A $%' ' $' & (S 2 C--J J- +@D' E@B AD' +B@'
-@C-'B@' BC>EEG -J@'- ',D@C ' OKM<' '9 ..
$!$"' ' *0' '8;KQ=(OOP' B@'6AD@C.C# +B' -A +A.'
-'A@'B@CE @-> 'J, A+'2+C@E @CA 2' AD' BC>EEG' ,,'
7)-0-<'L4(*-<'70'7)-0K07W 'W*6'@0E3=
;P<K' 7' $'$'==;' B@'E@ >+@ '- '+B@' BC>EEG ,'
OMN<' ...)' --0' $, E(4LP BC->.B'E, AD'7 G@ 'A'
-CC@ +' AD' BC>EE @' J, @' OM)'3 + #' &-)'LNM />@'
@ +' +'C @' C-?'+B ' BC>EEG'J- A+2 ' "' -'
&)' $!"' 7U ';KQ; 'P=M !+-AG2'C ' UG2' BC>EEG'+C +'
OKO=)7 '"-!0' A ' 2' &) $'$'OOQ2' AY
D@C@D' @ @C ,' ?' ,@' +B@->.B' BC>EEG'E ,, ' OKMP' 7 '
.7 3' 1' 'O;K 7 @' !+-JJ@D'A@ C'E--A' A', ++,@'
BC>EEG'J, A
#' 6(0(D*-0=' D' 7?' ('=60E3' 70' *=' 6(3*
A>>% 9 7'?&0' $' -((K#=' %)11"'"
-?@ B@' +' --DG2' '+B@' +@?' '-'+B@$- @' XKSM' ,"!0
C ('ML< S +' C @' +B' ' BC>EEG' + ,UK#C< @@+B .B'
$ >+' ' 0' !& $' ONL' A @+>? "@CE ' -+@A+
BC>EEG'E@,- 2' OKKO <$ '' +' 3 C'SMS +' B@' -, @2'
B B' !'JC-D> @D'-A' ' +C-A.2C->AD2' BC>EEG'+@?2 ' @CG'
D CU' .C@@A
!BC>E,@ ' 8:C+ 'E,@ (2' $(' ^ ' B ' 10' i'
!! a' 7 +B->+' BC>E '
SKXM 'C (' !!&'' S2'!BC>E,@ ' C . ' OKMO = '
1)' $ ' 0' ' $' L=' D?LC)++E,@W 2 ,- @C,@ 2'
D> UG2 .C ?2' AD' -C->
0 >34-*' 0 % ' '=$('=J0*3
!+9' %% ,0'%%5 11 0'#A('8b' &*' ' !BA E,@+'- ' '+-'O'
@@+' ;K7'0$ b @) =8)b:- # "A+ G2 - @ @D '
+U.+ ' -C' BA E,@, '++' -+' ++,@' + 3'0' ('#
& 0'?&0' - ( )!! 0' A'-AD C+BC>, '
\'K;;4;; M;;;K'^6 #:

KP=' +)) 4 4 =PM' B@' JC A . E@D@ U '+B@'J--CV @ +' BB E, A.

!,>?,)'8:C- (' 1 (5,($!('^& C ,,@,'+-' B11' @ > @)' @ J' -C' E>CA A. ' , .B+'C@ > @' --D2'

BD@C 2' @+ ' > @D' -C' >@,

!B +,)' ' 1 (, -' M' BC- @2' Q' EC-- '

)D ' 'C) 3) C . ? @A+' - ' ? A@C ,' 8: -E ?' A'

C ? ?(:' #,D'EC '8-C' -JJ@C(' , -'4E 1(A'

! A) . ' 8 C) . (b 10 , -'Q' ,? . . ' ^ ' ! " ++--' +

+ ' :6 +' '+>. 2' J>, ' E2' ' B U@'8- '+B@'B AD('

6'D6 K 7?*6-' 37<+' '? <K-*+'

17)-1- *' ,D?' E(" ' /'

! B C> . ' 8 Cb.V2' b2' 5-C? ' !' -BC>..-2'

BC UU@2' I Q' B C>..@2' ' BC-.@2' ,>C> U2' &'

EC>..2' - ' BC>.2' ^# '-E >C@' -C . A

: ' \ X 0 -' B @+' +-' B>DD@C) -C' -,D' -C' @ C'

- ' $ '-' 1 (

J' B ' B->,D@) AD' E + A.' +B@' , J' $%% &'

(' 7' W K3+'=60EKK K,*7 9 / '

3' 7'-RL0-== 3+' 1-(=' (' =*7(K'

(< ' (17)-' *6-' 37<+' ?07 1'

= <-' *7' = <-' (=' W *6' E -(= -==' 70' (=' (' K-=*E0-' 7?'

M7+' 70' =-4? =(* =?(D* 7 U' .*7 ? <K-*' (37E*'

(< ' 7' <0(W 7 -=-4?' *7K-*6?' @@

$'D* 0%' 7 -=-47EL U' *7 =60 J' R]

7' =60 6J 1-J 70'(W(+'D7W-0U' 7DD(X'

-A +2' A 2' *7' B@ + +@'+-'D-' ! -?@+B A. '

7'D7 *0(D* 70'M-0J'E -(=4+'

7' *6CU2' J>,,' -C' +A.' +,

>?>4' 6)-0 K'

@= 6K' (< 7 *0(D* K*6-' =67E4<-0=

Q'&' 60 J K'6-=*(*7 '

,,U ' 0?' ,C' 'Q> V; '

Q'; ' 9' (E= K'=6)-0='D6 44 K'

Q' 0 K K'

' 6(*'=60EK='70' X (DD71L(-<' 3+'('=60EK'7?'

*6-' =67E4<-0=

- D-' 61@K@0 K4+'$ (' W *6' ('=60EK

60 .KK =6' ' 0?' ?L(' " ' ' !' D4 -<'

*7 =60 K'*6-'\G E4<-=' U' D *-1L* 7 =

4KQQ' 2 =) ' $ ' (? ' SS62' ' -A @AC -A ,

' 6 0 E J' , 0$KJ/ YYY NR ' 0L(' LL4- ' 7? ' '5 1

: ' 7 *0(D*-<' 70'0-<ED-<' '= I-' U' <0(W '*7K-*6-0'

*7'('=1(44-0'D71L(==U' ?' @7<ED-<' 'L7W-0' 1-(='

70' *6-' 4 J->' 4=7' W *6' & ')*" 2"0

3' A' ++C E>+ @' > @' - ' - ? @ B +' $ 0

; ' ? D47*6F' 6(*' 6(=' 3-- ' =E3M-D*-<' *7' *6-'

L07D-== 7?' >=60 J K

A'8!BC>AU('

> ' **-<'<'3+' *6-' L07D-== 7?' =60 J K

0E A- ' , W MJ2 /' * * !0' C ' 0L(' LL4- ' 7?'

U A' JC@D + @' > @

60+??-' 6L+)@' D3=' ?? ' : : ' G '

& :'H 44C' '-R*- <-<' ?4' '

- D-' 3=J=6 K' " '

6E')(0 (* 7? '

0 6* 3 ' ,L23 /' 4=7' =6773(U' (K4 D I-<'

6* 67' , '=67E3- ' !'(3E3'&'=3773- ' " &73E38'

=67E3/' 0 E== (' 1 + (G' ' ?70'K7W ' 70'K0-(*['

D7(*' ?' 4=7' ('L -D-'7? ?E0

6E3%(76 ')(0 (*7? *8 [

6ED6F' =--' 8C ' 8

6 <D' ' '-RD' ' 70 1 =F' 4' =7 7D('

=7-7DD(@' <' =,D/**DJ- ' (76EDJ- ' (6(J<'

%+%% 'L-06(L=' ?' 077*' ,+ ' *7' *-00' ?+' ,D?' :+[!

? & 2) !%'<L< 8 Cb(Jb+' B @' D@ @CB!' ,@-D ' , AD.@ @-

j j j j j j > >?' AD' AA>? ' KKK' .6)
?, (SSS S ' 'M 0, ' GCD' B@') -AA@' G C !>CB' V C'
> @A ' ? , @',-+ C@A ' ',-- - ' 0' <& *0 3 ++' ',-'
/ ' "W@B)@AD'+-B A _' . A.'(V> @- '-A)E @ ' +0-'
'M!LK W ' >@,@' B@' ,>>@D@' B ' , 'E +' E@' W + U@' B,A@'
@A.@' $' W ")! $ ' $'PM A+'+>'E +' B> U@' ++' B> U@A
0 0 ?U@A+' B@C @A' A+' B@ @A' ,'S .-' $!' (P< J@A'
A+= B+2 E,'B@,,@A@', B> U@
?' ' '=L-D*0-'67E <' @

[illegible]

J J',?' J/' 0' 6 -?4+' # ' (#' J7'
67DJ ' 0 0 K ' E J 7W G
' 6E=J L7<' 70=6-44' , '*6-'7E*-0 -3)- M K'
0' *0 LL K='7?' < (' D70 ' D6-=* E*=' 6 DJ70+'
E*=' -69' -- ' B

[illegible]

*6- 6EDJ 7 '('<0 -<'D73'
3 ' ?0E *'@

[illegible]

6-'=6-44 7?(' 7+=*-0 70 D4(1@

[illegible]

6-'=6-44 4 J-' - @C A.'- '=71 -' ?%0)=-'

[illegible]

X ('*+L-' - ' - ? @+B A.')(4E-4-=='

[illegible]

0 ?73=DE0-'70 K ' ?'*6-' < (4'
% '@) -0 '(4=7 *7 =6 0J ,W70 D/G' 7'
0 J@<0(W 3 (@ '6-= *(*-

[illegible]

44 47J? " ' &G ' 4=7 =677J' 0?' 8 '
' 7'C@ ? - @'+B@' B> U ' ??7 1',D70 '-*D /'

[illegible]

(<@ ' (' 7'0-17)-'*607W 70=*0 L'
@'K-*'0 <'7?

[illegible]

U*0 L'7 -=-4?

$ & ' = ; '# ' :' - ';;Q :' B> U@D'->+'-'?G'-,D'

[illegible]

"@A @' !B> U@D' * * 0' $2 ' KB> U@C2' -A@' 8;^;'
B> U '-G +@C ' -C' , ? ' ! B> U A.' 1!0' 1(8 @@'
@A @ ' E- @(

[illegible]

!B> U2'D ,2' -C?'- ' ' ; Q' ' 4
!B>@U@C2'-E ' -C?'- ' B
+' ! U> @,D # ' 1 (JJ BG -C? - %" " Z0'
a' ' ! 0' -' , -2' +-)D> U

[illegible]

"@C@ (' 4=7' ' =76E<<-' "' =67<' m +@ D) '
% + '7?73=DE0K 70 K '

[illegible]

B@D') '

[illegible]

6E<' 73=' ?70 1' 7?' ' 6E=J' 7?7 (*= :
!B>DD@C' 0?' 8 : ' I. G

[illegible]

!BA DD@C A. 2' ' $(^' B)) ' ' i

[illegible]

6E<<-0' ,?$>#1/' "' 701=.F # =67<<-0' ?
(37<E0'(3(<7)'(37*-0'(6(<+0',9/' '(67D*70
(6E<<-40' 0 @' 'D7K (*-'W*6' V'
% '(4=7' ; ',AV' % + 'W6- D-'
$) !!+"' , E '"' ?0-TE-1*(.@
)-'?701(*7 ' ,&@'>;@@/'7 ' *6-' ' ; M' *7

[illegible]

SS S' &-@+' 7 U 8SF 0('S M' ,C@ DG' ' B>DD@C@D'+-' @@,'+B@'
;' '&' , 3) ((-' .-'& ' +B' +' B>DD@C

[illegible]

E ' $' 0 -' B U@') +B'>' B>DD@C

[illegible]

' $' 0 - ' > @'+-' B DD)' '&', 3) (

[illegible]

! " DD@C C' 1 ' ?(' ! " > C@C$'X ' i'

[illegible]

! *C$!$ 0&') 10 0'S%2 B>DD@C A.,X C E->.B+>C'

[illegible]

'E $0

[illegible]

!BA DD@C A. 2' ' $(^' B)) ' ' i

[illegible]

EB-CC@ @ ' I> @C A.2' ECEA0.

[illegible]

3' < B>DDC A.' @ C@2'

[illegible]

c';0 6(0(D*-0 I-<'70 (DD71L(-<'3+' =6E<<-0 K

[illegible]

(E= K'7 -'*7'=6E<<-0'

[illegible]

0BA DD@C > . ,G2' ED?0' 0?' V0-D'Q' ;G' '
'=6E<<-0 K'1 (-0 W*6' *' =6E<<-0'70' =6E<<-0=

[illegible]

!B> 'DD@CG2' $0 ^' B) M6 'KT" V' %B C Y

[illegible]

! $ $' %(

[illegible]

!BADD@C*C2' ! BADC C' @ ' ! -> 2' ' AD A'
+@' ! B>D@ ' @@')! ! 6D@C2 ! " / / 0 $'
0, ? @2' E - - 2 ' 0 ^! @@' ! # 0 2@+G? 'A-+@ a'
V ! 0 - ' A. 2' J, G' +' @@V ' "@A @' ! !A@'

[illegible]

!B>@2' -E ' ' 8 ' ' !B+ 2' -E ' ' 1 '
*(!B> @2' -E 2' J ' +' -' ' 3 'UT

[illegible]

B@' B> ' @C@' -,D' -C' A' A@C -C' JC @' .- @CA@D' EG
+A@** I> , +G2' ' +B@G' @C@' +@I>@A+,G' I> +@' C>++@A

! B > 2' $0' $!(8 @@' A. ' / , ' / @+ (' ^D , ' C'

- ! " 1A a' ! BG

[illegible]

! B > 2' -E ' -AA' - ' 1 '

! B > ,@' 8: -' ,(2' 10' ^ ' 833(' /

[illegible]

A+@C B A.@' - 'J- + -A ' 1 0

[illegible]

' A' @ @' +C U)@ -A2' >E+@C >.@

[illegible]

' 3 - @?@A+' -C' +B@' @@+' , -A. ' +B@' .C->AD' +BY

->+' , + A. ' +B@? ' A' .> +' B C +@C X@D' EG' > B'

?- @?@A+2

[illegible]

L ' ' D A @' - ' S>D@' U AD2' A' B B' +B@' C@'

B> ,)D' >, -A. ' +B@' , - -C ' &) ! 0)%%! ' ' -A@' A'

3 B' + -' ? - @?@A+' - ' +B@' ?@' U AD' C@' ? D@'

[illegible]

:/' 7 0 1 =' <=6 7? 7 =677?? -44'

= *7??44' =67??4-' 6E? ?-4' =6E?4-'

!=?-7?? K4/ @&4 E??4-' 0 (04+' 17<-1' EK0' : : :

D' + ' -*D ' (<' 70' D7KE' W' V'

% . ' (4=7' % + ' *7' W(4J' D4E1= 4+' 70' W *6'

<0(KK K' ?--*' ??4 R' ,D7 1 /' =6E??4-' ,D(0<=/' <-(4' < =[

67 -=*4+' L4(+' E ?(04+U' ?0-TE- *'?' -*' 077*' ! ;+ '

;+ ' *7' K7 ' , ?' ! >*&5 * ' (< 1 (6 ;/:

[illegible]

A- @' ! +-' H(4J +B' > B' _7 ? -+ -A' - ' +B@' @@+' ' +-'

- ' +B' D4 1=+=*-L=' -C' ' B ?E, A. ' . + ' , - ' D'

[illegible]

3' 7' 17) -' 0-=*4-==4+' 70' ? <K-*' ' 7 -2=' =-(*'

[illegible]

- ' 5 ' 7' 17) -' ,*6-' ?--*/ (47 K' *6-' K07E <

70' ?477 0' W *67E*' 0(= K' *6-1 ' @'

[illegible]

' < ' 7' L-0? 7 0 1' , (' <(D- 70' (' <(D- =*-L/' W *6' (

=6E?4-' 4=7' #C' ?

[illegible]

' 7' 1(LE4(*-' ,*6-' D(0<=' ' (' L(DJ/' =7 (= *7

D6(K-' *6- 0' 0-4(*) -' L7= * 7 ' W *6' *6-' 73 -D*' 7?

L0-) - * K' *6-' L4(+-0=' ?07 1' J 7W K' *6-' 70<-0'

W6 D6' *6-' D(0<=' 4 - ' 70 1 -04+' ?0-T' ' (44E=) -'

E=- ' + ' % ' C' *7' 1 (LE4(*-' 1 (**-0=

[illegible]

3' 70' ?0-T' (44E<) -4+' -=L' ' L60'

+ ' + ' !

[illegible]

D' ' ! " ' 7' L07<ED-' 70' LE*' "' , (' D(0<' 70' ('

D-0*(' =EDD-== 7 ' 7? D(0<=/' =6E??4 K' 6 -?4+ @

[illegible]

& ' 7' LE=6 (47 K' (37E*' 70' *7K-*6-0' ' (' < =[

70<-04+' 1 (=' 70' 6-(L' 70' ' (' 1(-0' =EKK-=* K'

6-' =6E?4 K 7??-

[illegible]

' 7' LE* 70' *607W 15) +)! ' 7 - 1 (= ' < =[

D0 1 (*-4+' D7 K0E7E=4+' 70' W *67E*' 70<-0U' *7'

6E<<4-' 70' E134-' *7K-*6-0

[illegible]

3' H *6' 1 1 (*-0 (4 3

[illegible]

2 ' $ " ' - -D' / G)' E D' / G ' - ' B> ,@D' +- .@+B@C'

[illegible]

D' ' 7' 1 K4-' 70' 7 ' < =D0 1 (*-4+' * ' '

[illegible]

' 7' 30 K' ' ' <-D- *14' *0 DJ+' 70' = 00-L'

* * 7E=@ 1 (-0' *7' = 1 EKK4-' , (' *6 K/' ' 70'

,=7 1 -*6 K' -4=-/U' *7' *60E=*' ' =7 1 -67W 70' 7*6-0

[illegible]

Q' 3 ' 7' 0-17) -' LE*' ' ' * ' ' (' 6E00 -<'

=-D0-*' 70' E <-06(< 1 (-0' 1

[illegible]

D ' 7' 30 K' LE*' 70' *60E=*' ' 70' + ' (' L7= [

* 7 ' 70' D7 <* 7 ' ' *' 6(L6(I(0<' E <-06(<' 70'

=6 0J K' *7(W' 70' 3+' 07EK6 = < 0-(<+' 1 -(=

[illegible]

% - + ' ! ' 4 ' !%' 6' K' A1% ' 0 / '

@!)4' %!6!6!2 : '1 % ' '! 3 / .'!)' 1' $ 6)2 E

') 1 ! 612 E' / 1)) L' '%! $ ' 6' A1 !A :EL'

' @! 3' 01' % E' ' :!41 !) .

[illegible]

6E=6 EL'

[illegible]

2 ! ' 1)%' ' - ' 4 ' I ' ' %+ ' ' 1'

$! !)' ' 2)%! !)' E' / ' / 1)' ' @ ' !)'

)')% @1)%' @!6 E' ' A1 !A ' / 1))

[illegible]

3' - + ' T ' + ' ' *7' L-*?7 1'

6E0* 7<4+' 70' L-0?E D*70 4+' K-*' *607EK6' =7 1 -67W

S L C$ & &C@ E2 +B@C@ B->,D E@ AG
->AD2 +B + ,, B>F@ - @C +B@ -CU MKS - . 3 . 0
< $, SS =;K / - + +B-> B> ,@ J @C +BG D>+ @ A
A+@CC>J+ -A +- +BG E> A@ AD J,@ >C@ K - 7 2 , , %
. , C . 0 : #;_ B@ @C @ B> ,@D +BC->.B 2
-,D,G AD >A @@, A.,G2 SK - : 7 2 A % C$ *
ON /@ (@ B D E>+ J-U@ ? A -C + - @ B->,D
B> ,@ +BC->.B +B@ @ -A SKM- < . &' 0
;; 2 - ? .C D> ,,G ,,- @D +- B> ,@ +BC->.B B
,@ -A +B ,@ .->C

- 7 1(J- =D0(134 K -@70*=@ =DE??4- 0

$%+0 . 0 6 S@ S !B> , A. -C G->C
C--?@ # @ @ -C B-A-C MSS " - E0 ;NP
1->C , @(.-ED 3 +@C2 3> + B> ,@ -C + @, @ $ SW
- . 3 $!. ;2 " @ +B +) B ,, + D- A C .B+@D
+B +B + --,@CG A-+ -C+B J +G2 ,@+ ? @ ,-A@ +- B> ,@

!@ 7 (D* (=6 ?* K70 -)(=)- 1(1-0U *7 =6 ?*
7 - K07E < (0KE1- * -*D U *7 1(J- *=- 7?
<-D- *?E4 L0-*- D-= 70 =6 ?*+ (=W-0=

O/0[, "CC0 A #R(? A@ +- B> ,@
+- B@D.@2 AD +-,>C B SM LVM ' . & '& 0 8;MKO(
P ! - B> , A. +B +B@ 3 @D-A A AD !GC A 9 A. 2 +B +
E@+ S+ E-+B +B@G +6, JC@ @C @D +B@ C - A @ + +@ +MKK
+ A ,,0 8;Q;N(MN 7 B@A G-> B->,D B @
JC-D> @D + ^ ? -A) #>A+a2 G-> E)) 2 AD B H D +
- JC@+@AD A. 3 + U@ S))" !3 % Q) C 8# " ! (
OOO 3C 3 6@ D D A-+ C AU,G - A +2 E>+ @@?'D +-
B> ,@ E->+ + S! . *& ' $ 3 4 ;MP - B ?
+B@G B> ,@D A +B@ ?@ ? AA@C2 , . @ B ? +B@ ,U@
, @ D@ C J+ -A - +B@? @, @. ;KPW Q4 B) I5S5 ? 0
;OP , @ D AD >A D2 .B@D2 -EE@D2 E@ + B W EC@ +2
B> ,@) ?J,-C@D2 +BC@ +@A)

3 7 &) %%!) * *

O JJ KN B- @ +B + C@ D@ -+@D +- +B@
%@C@?-A @ ? G B> ,@ >J AD D- A@2 C + +- -CD@C AD
B@A +E) C@ E@ +@A +B@A @2 +- /@ @A- @ , $%&[' 9 . .
0 R :>A@ ;MLP2 B@ 0 B-J - " , @C + D+ AD %->A+
3 - @,+ B> ,@D AD D- A .--D B ,@ SKQS :-6+ +C
C!$ $: 9 " @ B> ,@ 6J AD D- A !d *) $)TS ,SDC ,
A -CD@C +- -A @ , +B@ D >,+G A+- B B B@ B .-+
B ? @, 2a

i K - ? A J>, +@ >A C,G
$/ 0 FP . # C$** 2 0 $, 8;K==(L0 7 +B +B@ C
C@ C 6. AD B> , A. B-, @ 7 C +2 S) . + <& 0
% 0 ON< : B> ,@ AG C +@C -CD@ 2 -C D @, +B@
$@ D@C @ @ 4M=4 A !?@ +G?A>> ' 0 ' 2 0 5C@ 2
0E B >+E->C J6 ,,@D.@D2 3 \ %->A @,, B> ,@D
>J +B , ++,@ BD@, + @2

* 3> -) %%! + ,F *7 K-* 70 LE* *7K-*6-0 6(=* 4+
70 (L-0?E D*70+ 1(-0 U *7 L(*D6 EL

K = & ' % 0 ' $! HJ= 3Q ; 1@+ B >@ : B-+ -
, .B+,G @A@ A+- ? A@ - 7A2 A-C B- ,) U J - B +@, 2
B>+ +B + ^@+ a ;PK< (' $ 0 1) 0 0 =E2 !-?@
+ + B@C E +B B> ,@D -C ,>EE@CD J @ C ..@D 9)@
;MNQ/ 99 $ 2 0 & . 0 ;KQL , 0<P U@%->B+CG
++>CA @ 2 @@ C@ +- B> ,@ J ? AG ? ++@C A -C@A--A 2
4M=L & ' 0(' 0 !!" 8;MPL(- B> ,@ >J
!>?? CG JC- @@D A. EG @S ? A + -A2 +B->+ +CG ,, -
:>) $ " /) - " 2 ? D ? + B --A

1 01 /@ .!) 1) X !A 21: 61 @!)

$ I > < .. 1 ' (C&*(' (A P< " @ B> @,@+B
+B@) A+ D@ @ + >,,G 4Q M 9) 8 $ 0 8;K=L(2 OP;
B@ 3)@C +-C B> ,@D +B@ ? ++@C

" 11(*-0 (4 =- =-F 7 L6* ,(*6 K/

7 - (7*6-0 70 +, (L-17

L%LA F # 3 > " !$ ' @+ ;MK B@ CJ- @ -A
E@ A. A> ,@D AD B A.@D2 AD C@?->@D - - +@A -?
-A@ +- A-+B@C 4K=! U 1 5* ' , ==
--U@ B- +B@G B> ,@ +B@ ? ++@C2 AD . @ + C- ? -A@
B AD +- A-+B@C ?-A. + +B@? @, @ OM<0 $ 2 :
$1! @) S > ONL AG +B A. " +) @ + U@ + +- ->C
!D, @ 2 " + 3 CC @ 2 @ B> ,@ + - +- ->C @ .BE-C
>!# C& > ' !0 "$ - 0 8SK=SV: S! B@ ?@B#>!#
? A B> ,@ +B@? E U >J-A +B@ ,-+B @C +- , @ -C BE
->? ;KQP = X ' 0 !@C ;OP B@ +CG A.
+- B> ,@ - .> ,+ C-? B - A B->,D@C ;KQ< -
$ $ S, ;K< B- @ B- ?- + .C@@D A B +B@ E D D-A@2
@C@ A-+ B ?@D +- WB> ,@ - >J-A B ? +B@ C C@!J-A
E +@ SKK 0C$ - * $ &' : OK; 6 B> ,@
B ? - Fa3A +B@ .- @CA

Q3 7 LE* ,(L-0=7 / , (-RDE=- (
1(J-=6 ?*/

$%/0 . . - C 0 \ $ LQ= 7 ,, AG AD,-CD E@ C +B
B @AB>A+ +B + E> @, B ? - C-A+ +- G@ C SMM
: / +?!! +C ! $) T &"0 - 1) (8;MM<(OKQ B- @
B-? ? @ U A. B D W@6+ +- B ? ->,D A-+ E@ B> ,@D -
+B ++?+ A @C S I ' 0 " (0* (
0 : QQ + AA-+ -A + +B .C6D-> B@ C+ +- B> ,@
- +B@ .C@ + -D +B , .B+ @C @
i #2 - B@ + 8 J@C -A(&) % +B A. 1 0
L &! - & C$* !@C + 8SKKK(4PN " @ ->,D
J@AD B B-,@ @ + +@ E@ -C@ B@ B->,D E@ B> ,@D ->+ -
B EAD@ SKM- 1 $ " = :>,G2 B D .C@ + @ ?
+B + +B@G ,, B> ,@ +B@ ->+ - +B@? ,T B-> @ a2

: 7 =6 ?* ?071 7 - L4(D- *7 (7*6-0U
*7 17)- + *6 = W(+ (< *6(*
*

C ! ** +B@ . ?@ - B>F+ +B@ , JJ@C
;M<= C $' (4 ,,, <0 !@ @C , " -> @ A- + AD A.
@C@ B> ,@D AD ?- @D -?@ 1 >D C- ? +B@ C J, @
;M<Q 3) ' 4 SSMM J-,,# .C A+ A. B , E
JC G 2 !B> ,@D +A AD +B@ C@ +2 AD +# D A @?J+G C
;QMN) " 2 &&! & % A)$ 8;KN<(D #>C B@C-
E@ +@A + DC .,- @ AD B> ,@ +B@ , JJ@C 4QK4
%- J $) LON 1-A -++ .@C2 B-) @ @ + B@C - A
D--C !B> , A. B@C +BC@ D E->+ +B@ , @ -A. D G

. 3 7 =6 ?* + 6-= *(* K4+ ^

N SM= ' 8 . . 0 (3 LML \ B@ 5C) B B> ,@
G@+ @> @A->.B >J-A +B@ 5C-A+ @C - @C? AG AD -CC?A
;M<Q 1 8;QO<(Q< B@ 7 AD ->,D B> ,@
E->+ +- +B@ !->+B CD .?A2 AD , + , ?

7 7 L(== R R<(=EDD-== 7 7?D7 <*7 =

K%J/ . $ & > / =E2 B@ ,@?@A+ !B> ,@ A+-
AA>?@C E,@ B A.@

: : 7 LE* ,(*6 K/ (0-D-L*(D4- LE* 70

*(J- ,(*6 K/ -*D (D4E1=+ 70 ?E134 K
1(-0

;M<= +C $ ' > C&"(* 1 ' H$,,0 0 $ &"0
SM 0G + + AD 0-G +B + B> ,@ +B@ 5 + EG D@.C@@
A+- 0 . ;KLQ (((0 ") 2 " B->,D@C
B> ,@ +B@ ,-- @ - + # +B@? 4KL<J 2 &) 6 B :.:
M0 B@ @ C@+ CG B> ,@D +B@ J J@C B + ,G >AD@C +BD + E,@
- @C 4K=Q ($ ' , $ S 2 " @ B> ,@D - B
, JJ@C + +B@ +BC@ B-,D ;KMP 0) 0 0 ,>
7 B@A B@ B B> ,,@D B ,-+B@ -A >+!%0 .. 1
B FLKQW(LS< " @ ->,D -A,G B> ,@ B@C ,@++@C
E U A+- B@C J- U@+

3 7 K-* ((0* D4- 7? D47*6 K (
D4E1=+ 70 ?E134 K 1(-0

;KML E C (2 0 S, 2 ,, CD B> ,@D A+- B
B CA@) [KKL + 8 "* ' B@ AB E + A+ 2
B> ,@D ? +- +B@ C , JJ@C

7 7 ?E134-

K K 5$ - ' LN - QMQ 0 %-,, A.E->CA -E @C @D +B@
JC -A@C E> ,G B> , A. E->+ B J- U@+

: ; & =6E??4- 30--D6 -=,1-(K73=DE0-/U
=6E??4- D(L @(L4(+ (* W6 D6 17 -+ = =6(J-
(6(*. , /U =6@@ W K *6- 6-<KM- =L(00@W
2%% +

XKS & $,&'0 ,:&; / a : ! B@ -,D d B> ,@
EC@@ B@ E AD - +B@ F> C+@C,G $@ @ ;QS0 8?
"& ' ?)!! A 2 " @ ,- + E 3 -A@G + %B> U 5 C+B A.2
!B> @,% J2 AD ,, 5->C 2 ;QP< 0 $' "
A)- B> U ?+B B. AD B>?@ J +B@? @, @ +--D
% - + ,, E@ 8+B@ ,, .@ J C -Aa B D .-+ ->+ ,
SK) : / E : : " - !($) 0 S S B@D.@ J CC- 2 -C
d B>?@ A.)

! B > +@ E - CD @@ ! " - ? 0# 0 /
,, 0? '33(Q =F G

E< 4-< EL ME134-< *D@-*6-0

' J 1 "D D \2 A B> ,@D " @ J +B@G BUB@C
+@AD2 $ $% J .) . 0 8X , B - B> ,@D +- ?
D D *6- 7 @, E> ,+ W70J %- ?J- @ 2
6 4 " 0? 7+M.6 " 3 !

: : -W67 1 R-= EL 70 ME134-=

;M44 d" < 0 ? &) !!) D -CD@C,G B> ,@C2-C? A.,@C
- +B A. +-.@+B@C

; -W67 (D*= (@ ?*+ -)(=)- 1 @ -0U
(=4 LL-0+ =6 ?*+ L-0=7 ? 0=* TE7*

XM 1 = B 7X $ L04 + E@ +B + +B C +
+B@ @>@CG B@C@ + ,@D EG +B@ A $ @ - +B@ J G@D +
,@C> ,@ ? G->C @ -AD +B@2 -C #>.B+ @@2 ? G .-@
+ AD EG -C B> ,@C2 -C + ?> + E@@ -A ->AD@D +B +B@
C + ;MO< 9 B ") 3 =M !@@ E C CG
B> ,@C B- B@@ A J ?U@ +B ,- @2 ;Q) 9 .)
#' ' 0 3 ;PQ 6A,@ " @ @C@ +B@ .C@ +@ +
&C@ C +-C AD !B> ,@C ? . A E,@ 4KLM '
8;KLQ(@; ! -JB- ,@ A JC +@ , @ 7 JC- , . +@2 AD
A J>E, , @ B> ,@C2 AD +C ??@C 4KKL $' , (X3,$ - 0
OM - Y; ^B@a A-+ +B@ ?@ A@ + AD ?- + m)+ >,
B+ , +@C B- @ @C +--D -A J, + -C?

? & 9 <0 J-0

->> ") ;MPO >9 A & 3 (%
3 , . ?@A2 ,,@D A+A@C 2 ! U DC @C >E J +@C
!A> @C 2 $> ,@C 2 !B> ,@C 2 !>) J .-+ 2 !J@ +@C#C

-W67 0 1??4-= D(0<=

= . * !$ 4P= +B@ B CJ (\ @

" 0? %%3 Q 7 G

bI 6-(D* 7 7? 17) K *6- ?--* (47 K *6- K*7E <
W *67E* 4 ?* K *6- 1U Z - <0(KK K (< =D0(L K
7? ?--* 7)-0 (=E0 J7-

&)1 3) ' C +B@ j J@C -C? A @ - D->E,@ B> ,)
M) $ $ - 7U\ 8#C- C+(7B +
B> , A.2 B + B->,D@C A.2 B + :> +, A. ;KP< :
$) ' &) + =K B@C@ @A >@D >) +-@ AD+B@@, A.2
AD B>%U,@ - @C -.2 AD D->E,@ B> , A. XK+@ 8
.. 4 C $') - $ & $ << #,D B> , A. -A +B@) D-D
,- ? KQL 3 0$#J # -) 2 A- @ - B> , A.
AD C ?E, A. +- +B@ C @@+ -A +B@ J C+ - D @ -A.C@. + -A

; 6- 0- (00(K-1- *7? *6- D(0<= (L(DJ
5 3 (, 8;K=L(#Z B@G 6(E- =ED6
+B ,@ .B+@ A -C+ A. AD B> ,6A. - +B@ CD@ S.JS - .
') M< 7B) _(B-- , A. D-- G-> U@@J@ +B +B- @
CD@ ;MP< " (3 . = ! B !B> , A.2 %>++ A.2 AD
/@ , A.2 A ?@ & UI>@+ ' * VV T C $,
2 B@ >++ A. ? D B> , A. - % CD ;K=N
V !- $' ONN0 B@ C ++, A. - D @ (< +B@ B> , A. -
CD SK M %-+ 0 * , . 8;KPK(;K A B> Y
, A.2 +B@ CD ?> + B@ E- @ AD C@@ C- ? +B@ + E,@
% (OSMP0 : , 0 K< B + ,, +B@ B> , A.
AD >++ A. - +-? ->,D JC-D> @ > B D A@ J @ @ -
D-? +B

6- =6 ?* K 7? (*6 K (63E* 7? ?071 7 -
L4(D- *7 (7*6-0U D6(K- 7? *6- MM =*7 ,7? *6 K=/
W *6 0-?-0- D- *7 -(D6 7*6-0U 1 R K 70 ME134 K

XMM! $ - 3 S ;LP ! - + + +B @ @2 #C +B
6+D@ B> , A.2 G-> ? G B-- @) -CD AE +) MMS

8;Q;=(LQ B@ -C+> +-> B> , A. +-.@+B@C - + -?J-A@A+
3 +@C , ;M<0 $ 2 7 $1! S6 =L B D !B> Y
, A. - +B@ 0 + A +B@ & - +B@ 7@)`@) ;K<N $ 2 , . >
3 <& * 4 4 4=L 0 +@C -?@C D6A. - +B@ B@ D AD
E>) . - +B@ ? . K<S '$) - K > . QK< L
%B CG/D H +B@ ++,@ J @ @2 @@? + ?+) + B @
-?@ +- + JC@ @? A@A @ ?@C@,G EG B A @ B> , A. # +B@
,@ @

3 5 , -- I>-+ (

;K=; 3 7 C ' ' ( ) %%! ' 0 B J C+ - 3
+B@ JC- @ - 9A- U " . 6J B@A +B@A A@C , D A E)J
+@C B A. E@@A D- A ?
@ @A + +B@ @D.@ d

6 ?*+ 70 -)(=)- <-(4 K 70 D7 <ED*U ? %%
-)(=7 ,@=71-*6 K/

;PQ< 7 9 . <&') $ - 0 & H " @C@ A G-> D-
E>+ G @ D> +>D+B G->C B> ,GA.2 SM- $ - 0
" M; B@C@ A- B> ,, A 2 +B@C@ +B@ + -A ,G@ A B
+C>@ B +>C@ ;M=M @$ ' .. & $ $,3 ;;L B@C@ C +B@C
B> , A. - JJC- B A. D A.@C 2 8E@A JC@ @A+ A. +B@?
C-? CC@ OSQSM B ' 0 8QQ==(;;0 B@ ?E
.>) AD B> , A. - J C+ , B +-C A ;KOL ! $
C&& !$ &' B@ +C>+B ?> + J>+ +B->+ B> , A.
;K=0 =T . . &' , %%0 + S G J@%,@ - B> , A.2 B B
.-@ EG +B@ A ?@ - @SJ@D @A G V *) ;L 3 C LQP
,, +B@ C@ + B> , A. AD >E+@C >.@

6 .??4 @ **!0 0? %* 0 Q V: G
6(* =6W4-= W(4J KU *6(* <0(K= *6- ?--*
7 -0 *6- K07(< H *67E* 4 ?* K *6-1 - D- 7?
(W(4J L(D- K(*F 7 ==* K 7? 70 D6(0(D*-0 I-<
3+ (=6E??4-

L% Q %- +.$ 0 & 0) 0 ;; 8;QNL(=P B@
->CCG > +B@ J >C >++ ,, A U@ A + B> , A. ; 02<2
)3 .$ + 0 $** " 2 j * 0 PQ " @ j j j j 2 , A.
J @ !K;P .1 ,,0)1)! A+C-D 8;K=0(<
U AD - 3> , A. +C-+ ;K=K I : & - 1 " " @
+C-A.2 C->AD B-?D@C@D2 B> , A.2 B ..G @,,- ;KK<
16 1- ' 8 $, PQ C ..@D2 E> , A. +C ?J
-A +B@ C- D

? ?L- =7 =U V)- * j =6 ?*+ 70 -)(=)- (D* 7
703-6() 7E0

;)SM $ $ " 8" U, K< (<= B> , A. @,,-2
A-+ -C+BG +@C -C B B @C 5%"B 6 5 C$* 8;K<N(
;KO2 AD +B@? @CG E U CD B> , A. A ,, +B@ C
J$G? QSP -J, # "$! 1 $ " B@ %->C+
->AD B A , @2 B> , A.2 J? C +,A. C , ;KLL
" = 3 , 0 . 40 B@ ?@ A J C+)
B> , A. UA @2 S,) 7 3 X ' T% #Z ' (>
=L< WN A? D A D B.@C2 AD - B A A. A D >,+G)

3 ? (D* 7 7 <ED* =L--D6U)(=)- =6 ?*+

4M= \ 9 . ' ' > $! 0< %-,-A@,,
5 @AA@ 2 D A B> , A. ? A-@C2 -A @ B@
<&" && %$, &(2 6) 0 XMM- " =
<& 3 S ONL B@G B@,D +B@ # '@@D A +B@ J+ >A 6+?) ,
@A @ +B@C@- +B->+ AG B> , A. ,,@.-C @ SGX $06 "
J %&. ' ?)!! " S B->.B B@ 1$ - A-+ D C@ 3 G EC@ U
B JJ- A+?@A+2 B@ ? D@ ? AG B> , A. @S > @ ;QKQ
6 0 8S! -(;Q; B@ B> , A. -AD> + -
0 CC- ;KL; 0 &1 0 SS 2 B@ ,G2 ?E D@S+@C2
B>) A. J-, G - +B@ ?J@C-C SK 0
) - 0 >, 8;KQM(0=M + U ? D@ :+B- , A. @S > @ +B + E@
->,D A-+ @@ B@C

-@1 @ 66: 21 %

QQQ 8 6 V<$' 1! C@ +5 +B@C - +B@ !B> , A.
%C@ - $ ' 3 C2 " -G,@a

> @ *6 (
=6E??4 K K(* U> 1 =6E? E K 70 -)(=)- 1(-0

SM + : 7 , - * ,V X - " - B> ,,A. G
+B@ / - + E@B @ B ? @, SMKC) * &% 0 $
2 &@CB J ? G . - !B> , A.,G C + -C A@ @C
E@ -C@ ,U D A C ??@, X3) 0 0 ; S 2
B@ B-A@ + ? A B D B> , A.,G D@ , A@D KC =)
& 4SS 2 @CA-A2 J-,-. X@D +- B ? B> ,>A.,G

*E ??+ , @>? /? ! ?: 1O3 # G ? *DJ= F
0 (34- ?071 3- K 3(4+ 3E

$ /+ ? ,. D ! LK !B> B@ @ C@ >B ->AD
AD B> GV +B + 2 >,, - B U@ S,)L ' ' 0
& & +B@ A+@A +G - +B@ B@ + A+@C? ++@A+ +B@ EA U
,, B@ B> G , U@ J @ C> +

? 6 K 3 F ! $ (0 ? 7* =71- -0070
L @ (?70D-< CX- 7? + @ V W 9 7
?70D- 7 -2= W(+ =67)- ' 0

S)K !@+ E . &% - &' 1 ' 8;MPK(P)2 ?
-C .C@ +A@ A- 2 B@C@ ,, B> . E2 AD .@+ A-E,@
)A+@A A @ !@C @ -?@ OC C@ A 5--+ ,-+B +C D@C

?*?*K)(0 (*7?

4E*.KK - =44**-b E (< /
4=7 !8 " =67KK 7 =6TE =67W./ T0(6EKK+ =37-
=67) =677 . 6(W 0 ? (<
(< 0. 6- L(=* 1- 7?=W K KU (=W K ,-=L
(* (5 0* 88. %+ . *6- K(447W=U (4 7 (=--[
=(W - D- H 7*0* 0 =6* @ " *7 =W(+
(3-1* , --) D D

@. +0F " 9 ! !$. SS) B@C@ B@ J, G@D2 +
? +@2 . . @ -C !B- . . @ B-> ^ $!$ $ - !! H0 ;KLM
7)$ # 3 $!& &) $ S 2 G->'D " .-+ +J> B -
+B@) " & 0 & ,,-

3 KK4- 644K6)(?? CC(CC

' ($ 3H Z ? ' %!c =-<
(= (-R (1(* 7 7? 1L(* - D-

; =N ' & 2 "&"0 !B>.B2 . @ ?@ ,@ @
? " %0 ?> + + U@ B C.@ @@ - " +E" D ..@C . A

6 73=)(0 (* 7? 6 ?

=)6 , $! GT - * & 0 ;KQ) ' (
@@? >A+- ?@ U AD - ! ,? -A

6* 4*- 73= ?701 7? '
3E4<-0 <07 <* 0 73= ?701= 7? U 8+
6E4-F =-- ( ) 3
6) - K,- 73= ?701= 7? ((C
**. 7DJ -RD $!0 ! =D6 77J "
0 -067 77J =3E 7J 0 ?33=D E- 70 K F D?
< (6 $! , . (&E& .)3 *7 <4-(37(* *7 X 7 D6 G
=-< (= (*-01 7? D7 *-1L*

+ $%+J 8 7 & ' %) 0 - 0 0 0 8 M+K(M=
3 % A .C@U+ U ,, ->,D A-+ +B->+ E,> B A. -@
, U@D - > B E>6- U@ AD U J* IU@ G-> ;K=
$ 7 2# ' . $ 0 LP< &E&, .0 @CG D C+G
@,,+) 2] E D A ,--U E EEG A)@ C A @

/ 6E W?* , *24W4.0/ 4=7 =6E4W(E0 0%-0=
" ? 1 ((6 (! WW

%-0= (477=- *07*=-0=

J - V) ! $\ S -D " B>.@ !B>,
C 2& C D A. +C- @C) @), A - D - @C +B@ , .@ C@D
,@-+B) E--+ K= V&& d - , ! B@ !B@ UB'
,- U AD B>, !C

6 (- 6E 1 ((F ` X P #" # #
* / !1) A1 !1) 6 # K
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6* * , $ // U 0? *6-)-03 G 6-
(D* 7 7? E K U L60 +, +

SK C % ! &C@ @+ 2 #>C C @AD - ?> B
>J-A +B@ B>A2 +B + + ?> + E@ A- " .B+ +@ ?J+ + -A B B
6 +E) B ? C- ? B A - . A +-

B 6E 1 1)% $1 $$: @)) %
06! / %. / J 1 ! !!1!! 2)!)
0 1):)b @))0!!)!)) :! !!
C)) 2) R. @)! @)! E
@) 2@ / @K) K. 1@ !: 2@)
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*@ 1). @) L * 0)2 . @1)
=7-7 (, D7 1L7E <=/ ! , /=D+ (
=7-7 - # =6 I - =67R*+- , =6+ *-
0 %+ ,D6 7<+ D7 1L7E <= %+
(WJ>)-03 7* ?7E < *6- 7*6-0 - * 4(K= ?
73=DE0- 70 K

+B@ 3 >A CG @A @ +- B D@ -A@ @, 8 C- ?(+B@ E
? .B+ E@ D@C + @ BC- +B@) + AD AD-.@C ? A
C#-+ T .EG +- %- @C2 B D@
B@ Y -C ? C@ JC-E D>@ +- +B@ @ @ + - +B@ J , + , ,
-A +B@ - " - ++) - @, ,
> 7 (3670 <-*-=* 47(*6-

@ . A B-CJ@ * 0 8;)MP(L;K # @ ,, A A
? AA A @ > 5)@B -D@ E@-D ? D A@ ?-D@ >C! E@
.@ >AA@D bS -- E & Q J + L+@ B +@A AD
>A @A2 ->@C ,,@ J A.)D@ @)B@D@ @AA@ , +@--
<PPN / C BB+ A E>A@JJ ,,@ (V J ++ >, A , @AA@ @ -,BB@AA
) -P ;=K)QL 3 > D@C >A@D@ ^ S QP! -A@D)
J 3 @ C +AD-? P B D@A@ , @A ,>>@D@ (Q @ >,,@-
@@-A @A ;LQP B ++@* $ S .- " 2 Q (O<N 5-C G B
,V A. E + E#AG@B C B+2 B + U >G@J E> +@C \ B +@J ,GB+ 0
?G @ %C ?+@ ?@A ?@ ,>>G@E -C J A@ +C@A.J@ ?@A
E@ B>AG@J
? ; 7 =--J =(?-*+ 3+ D7 D-(4 1- * 7R ?4 K6* ?07 1
,(- -1+ B LE0=E * -*D /

$ B % <) !$, S S 8 -A @C(+- AD B A@ %@-,C@D @
UGA A. E D@+ AD E,D@C D@ AG?D@2 A B@ E @B+AG @
C D B +>A.@ +@ B AD >A-D@ ;MNQ & 0
2 == B@ 3 -> @A@ C@ B>AA D +B@ % +2 +B@G D D E>D.@
5C-? $, -C @+B@A +B) ;8)K 7 C @ E& &)
LM , A A. @)@ C-? D@ D .GJ+ A C A2 AD ,-A.
+ ?@ +B +2 B B - C D A) E> + B ?2)?C
> 3 7 -)(<-@ -4E<- , (347W ? ,@(

S.KD ! & !1 ,$ $ 8! -??@C(L;) E2 0>+ ?JB ,>
@@ A. +B@ B,- - C ?,B.2 B>AA@D + +B A ?E,@ +>CA A.
E -C+@ D@ ;P<N 1 0 A 0 ;; 2 = ^" @a , .B+,G
B>AA@D +m+B +C) @* = . C(4 + K;N : -C@2
CA +B@@2 B>A " D@ D,G CC-

7 ()3 < , (17< L07=- =- (4W(+= *7 ()7 <
L-0= =*- *4+ 70 6(3 *E(44+/ 0-LEK (D- ?-(0
70 D(E* 7 U *7 J--L (W(+ ?07 1 , (L-0=7 70 6 =
=7D -*+ (L4(D- -*D /U *7 ()7 - D7E *-0 K 70
-RL7= K 7 -=-4? *7 ,<(K-0= 7 <* 7 =/ E= K270
6() K *7 <7 W *6 ,(*6 K/ *7 -=D6-W (3=*(
D(0-?E44+ ?07 1 ,((D* 7 M (?* <E4K- D- -*D /
(W *6 73M (L-0=7 @ 6 = D7 1L(+ -*D

, 44QP $ - 10 & ' 0 QN : E B + !@ B@ -C.>,+@ @ +
^ > ?? a B + B ? >,@, 4 $ >,@Ba AD >A@D@)3 @-
0 7 X 5 0 9 7 % + -,U@ U A .-D E D B ?+>A@A ; S (0 6 T
C #XPQ 8 >D 3! (V I >@GA+ >A @- ,,@ ?@A B * B-A@B
;LQQ 7.) S+ =<Q >@CG ? A BG? B-AG@+E
S) L 1 0 % 4 < B ? A WB-A@(V B) -?J AG@
S) 3 < $ QM B@ UGA. ,@JC@ AD
- >C E,@ +B + B@ 3 A B-I@D B))%-?J@ G@ ;P<N
0 0 ; =< G-> 7 ,J +@A+,G D A @ A ->C
$->AD22 .-@ +B C A-+2 B>F ?@ ,AD ; J C@ G->C
B >A+ SM-Q $- + ?) $-& 3 #S !- @+G E@ B>A 2
AD U@@J ,-A@2 ;MMQ 3,+ -V* C 0 (L;N!-J) +B@G
A)@D -A2 A-C E>AD +B@ .B+ # -D A.) ;Q)
%- J $- B@A B@ +B + B CJ D 7 7 CU D
AD B>AA D -D -> 1 0 (L) B@ + ?C-> B C@
! C @ B>A ?@ ;KMP) 0 0 ;;; 2 !-
B>AA A. B>? + JJC) B2+B +C->E,@ -?@ -,D - ? A B D
B@C @, SKK- L + SS 1 LLK B@ A-E,@C
- % +B-, B>AA@D B ?

3 W *6 73M (*6 K (L4(D- -R*-0 (4 D7 <* 7 =
70 D 0DE 1=*(D- =<(K-0= (- -1+ -*D

S -- OJ0I + A ,+ >AAB , +@
>A@U: J@2)>AA@W EC EB+@ ,@?>@ \ , 0 0 WM
-C.)B@-B + ^E-C@ >,W@a +>AU@A2 B ? -,D@ J@- @A
,>+ >+ (V@C2 AD >A @A B + B@C@ +@C $ 2!= 0
P<N 8:@ > 3! (J C + -*?* DC > + \ B@C D@A@ +>D@ E>
B>A@ + 4LK 9 B1 0 S S) B> ,@A A+ D@@+B B-A@@B
,@ B -B@?2 AD +B@ A + -D@@+B)>,@ E-AA@ ^;LKK
@ B@ @a ,4=LD & 0 % ;P=K 0-+ @>@+G ?-A ? G
@,,UA- @\ G+@ 7B + B@ 2 EG) >@ (V + B@ BGA+@
\ DC@D B@ C@ @ ;PQQ< 7, +C , 1$, k 10 ,
G ? AD@ + @@+@2 + 0 .A@ - C B@ .C->AD@
E@ ,+)2 + + -E@ D AAA@D 4P<4 0 & < 0
4 QK B> B > C : E>AD +B@ B@C -C +@ C@ - E>CA A.
) ; ; $ C ,%0 &< " +B@C + +B@ +C>@ ? A
+B + B>AA@+B +B@ , .B+2E>+ +B@ ? , B +->C ;M<Q)
%) &@D 8@(2 : B @ B>A D +B@ $) $?> B
J- E,G ->D) 5-C B@C@ @C +B + > D + @ C->.BY
A@ + -+B@ @C @ =QSN); X $0 8;QL=(<L
+ A-+ >JJ- @D2 +B + @) -+DD B @) @C &, G +-
$@ +2 >A,@ @ E@ -C@ B AD D- B + A->C &- @C +-
!B>A @?J+ + -A ;QSQ ! - $ =KQ " @ B .@ +B@
) B+2 AD B>A +B@ -@ 4QK4 %- C $ $ " J) EG

, J B @ >.B+ ?@ B + J +B +- B>A AD B + J>C >@
;K=Q 8 C , &C-, LK # A-E,@ B@ C+ B- -C
E@A+2 A-C EC-U@2 A-C B>AA D - ,D @C D@ +B ;K=< = R
B. (0 :MSM B@G C-D@ -A ,D B> B>AA A.
+- A AD ,, .@ ;KMP 3 7 N$-1 S <N=
+C A.@ >J@C ++ -A ? U@ +B@? B> A +B C@D J, @
$1 &!0 ?+$) $ $!! LL B@
DC@ ?@C -A. A. +B D @D ,,2 0>+ A-J- @C +- @@U
-C B>A

D W *6 73M (17<- 7? (D* 73 -RL0-== 7 70
3-6() 7E0 (7DDEL(* 7 -1L47+1- * =E3M-D* 7?
D7)-0=(* 7 (1- *(4 D7 <* 7 70 *6- 4 J- ,7?*-
-RL0-==-<3+ ? 70 K-0E </

%44QP & - 10 & (S J@+ D@A@ gC >A !) +>C .@
X -- &/+A ++ A A-BB+ +BB+ -E@+@AA B@ , AA@2
\ -CC " E CCJ J@ B>A@AA)) - ,,@AA -BB+ 6@C AA@
S -- 0 &!!0 & 0 ;L &@ ? A E@ B+ ?@!@+: C B+ J@
>A@!,@D .@ +A A.@ AD DD - ;L=N)N ! 50 # 0
==< 7 E > E A@J @>@CG B ,U A E JJ> -C + - @)
$J 3 8$-,, (:::=P< 7 @ B-A@J AD -C
U@E ->,@ ,@ *) AD,@ B@C @ $5 $$ 2) & >@ (
0 < 0-+@ B@AG@ J-> I>@ +G -A@ - ,G);==<
L * 0 S OOQ B@ @ - +B ,U +B A. +- -@
E-A@D2 @ B@ D2 AD - D D $/&& C , *
$; S, " E2 %-?? >AD@ G->C ->,DG->C 2+B + +B@G
E>AA@+- J-G,@ AD C-EE@ +@?J,@ O/0+ 1 0 A 0 S
MN B@A @ -C+B +B@ > +- @ C+B,G -AI>@ + E-AA@ SD G
= 0 ;M :@ @C B>AA@D +-. -@ + @ -A@ @
$%O>) 0 C $ 0 S OX " D A-+ &B-@E> CA D
?@ - B>A D@E +@2 3@A , B D E@@A , A SQ= 0 $9
. 0 7 U ; KQ; OKO2 ->,D G2 B>A , +@ B->C
3 8;KK<(:; < B@ +B-CAG >E* @
B B +B@G @C@ D@, +@,G B>AA A. A +BDC -A @C + -A
O &> C , A ONP 7@+-> B -A->C D@ D @, 2
A-C B>A +-D- + XK)(1 ? &2 H=N B@
? *-C +G- +B- @ B- C@ .C- A. -,D B>A , --U A. E U
+
$1 &!0 4LQQ 7. C 0 C 0 ;M< ?-A.@ ?-AU@ :
? (+ E@ ? AG +G ?@ ;) AG@
< (< *8? *6 K=
4L 0 0 - 0 C(0 X -S !-D@A@ B B-AD@E ?
%B@ -CD>C@ B+ D-A @D SMS- - * (2 + + @
! C +G AD A+ J ,, B>A G-> 4QN4 0 0
$!" PN !@ B- +B@ -,D@A .C- @ C->AD ?@ ? ,@ B +
B>A +B@ - + OC+ A + +-C?G ,@ ;KSL .
A0 &1 , -S B@ ?@+@-C B JJ A@ 2+B + B>A B W .C J
7 -=D(L- ,(*60-(*- -< -) 4 (E W-4D71-
*(=J/ 7W 70

, ;!Q! & $! ;PN A 0 0 0 ML >C@ B@ ,D@ A
.-DA@ @ >AG@ 7 J J + B@ ?GB+@ E@,,@ >C@>@C ,@-A AD
B-AG@ 4=4LV=M DC @ 3 - & C0 ;< " - ? G @
+ -2 +B@ D@@+B @C @ -C B-A@ + ;L<L L (
;L B@G -,,- - +B 7 A. 2 AD @ U@ @ C@2 AD
AA-+ B>A J>C >+@ ;MS= < 7 3. <<P B +
+B> C@J>, + +B-> B>A + +B@ .C,@ @ - @@ +B@ , >.B+C@D
B@ J@ +B +,@ OMMQ = . C 0 0 ;NMO^ " @ ,,a+@ B
> +>C B@C " B + ?@ A +-- B>A B A ,@?@A+ !@ -A 2
$ A2 @2 " , AD !A- ;QK=# A ?& 2 !!8;NN=(
: PLQ ? A @C@+- .- EG B A @ + +B@ ?@+ ?@
+B 0>CU@ >AD@C B@D2+- B>A + B- @C ;KQN
!$ LNQ - ? A- - ? A E-CA %- CD -C EC @2
A B>A B D@ +AG

>33 7 L0-)- * *6- 7DDE00- D- 7? ,((D* 7
-)- */ *7KE(0<(K(=* ,=71- D7)- - D-/>
X))0$6 %)C Q3 8;Q<P(SSS0-+" @C CG / ?D -AA@2
%-A+@U -C+-B-A@E- !+@>@A @ >+@ ;MSL)
8 $ $- . 2 5-C B@@ EG E CC A. ? C-?, -@C+ @2
- E>AA@ ?G C A. A. 2 + >.B+ ?@ C + + - C A.@2 S)G
J$1/ 0< & (A L=P - B>C +B 2+B@ >AA A.
@ B-CD A - @@D +B@ 5@? ,@ 2 @ @C +B@ !>A C @
4Q<M 66 (8;KP<(;P= :D@ ->+,G B G->
? G E@ E,@ +- B>A -C> +B C OQ<K . 6 .)
$ - > ?&" ;P< &C- , A. $@GA CD - B>A
B- @ +B@ + # ,@C @ @A A. C@

7 =60 JW *6 <0-(<U *76-(?0(<
0;NNN) $-)$! LO P GA -) 0 OLNN
) & 0 ;PSQL &@ ,@ B@ D>+ AD -C +- D@ 2 +
>, -A AD -C) + @2 $;LOL $) E <= A " #C+C
!E 0 ;8;KQK(;ML 5-C B>@C B@ B-A@J) + B J
? + 4LQP ? @ $ + =0"$,&1) + ;M= J@ E>U
, B@ EC- B+ AD JC G+ B ? + ECGA@ J ? -A@)
D B@2 -C B-A@ E C@U -J A@ >,D A-G> E@) 2
%;==N & ." 0 S O== + -DD, ,2 + E@ ?GA@2
GA +@ B AD@ ;A@>#C ! B-A@

Q 7 =60 J 3(DJ L6+= D(44+ *7 17)- 70 K7
(= <- ,=7 (= *7 -=D(L- 70 -) (<- =71- L-0=7 70
*6 K/U *7 ?4+ ,?071 (- -1+ -*D /U (4=7 W *6
*

OJJ+ B & 0 $, 8$-,, (;=;<K J@G ->E@
A->.B+ .E+@2 A@ +- .GD@C@ -A) @ " $$ + AD@ A@
B-A@ $ OLQP "& * - 0 =N& O@+@C@ B + 7@C@ D->E+
,G B@ +-D 9 F -A -C->A)(A >E B@AD D>J@ +# B-A@
AD E UDC @ $ S) & (L;= @ A-?-C@
B->A@ -C@ E ! J@ - +B@ C@ B CJ@ >@CDD@ ; = !
-) 8#(LPN; 5C-B !@ +C-U@ G +B@G DGD B-A@ 4!LN
. 7 QN= ; AD B D A + B-AA@D GD@2E@ B DBG+?@
A +B@G @C@ ;PQQ 0 #C$ $, 8;QNM(@ G@ E@
.--D D-@C 2 E-+B >A ,@ A 0 J 0 + B ,, @@ C-? G->C AD
BC@ DG E@ + # 6 B>A -C @ C # G-> $ $/ %)
$ 8!-A?@C(OM< " @ B>AA@ ?> B E@ ->,D2
U@@J A. -A@,G B J, @ -C @ C@ - J>A B?@A+ OSMNN
!& ! S A %B ,D ? $!!$ LP+ S &->E+,@ @
B ,@G->C ">@ - ,D , +G-> -,D A@ @C B>A E@ D@ +B@
J, A@
6 0 ;PQ :^# ?$ &8 ?$ " A SKE B@
,+@ + +@ +B + B@ EG+@+B +B@ +-A.@ E@ E ++@C
+ +@ !+B +2 B B!@@?@6 +- B>AJ@ G C-? +B@ +-A.>@2
*3 J--L (W(+ 0-?0(((
OJI 9 B1 ,.!) T OL !-A ,\ +@ +G?@2 AD B-A@
@ C-@>@, ^ >, $ $-&0(4PQK B A C$ $ @
$ " O= - B-AA2 C-?EC ,) D@E +@ AD +C @
! & 0 7 =D0- 6 <- 7W JA,G $
;MLQ % = < 7 7 < 0 !& - $, &5# 5 A+ A
) ,)AA@D B ? C, C-? +B@) -,@A @ +B@C@ - :)@ - *E@

+B@C@ +- E>AA +B@ ? @, @ ;K<N <!& 0 <!& 0 . - " +-
C@@A2 @ . 2 BC>E J, A+@D +- E D@ E U JC@? @
& I L =67)-@LE=6 0%-06 (7*6-0 W70< G
% B J 4 W
$%>8 2 ,& ;QM 7 ,,*7=67)- ==
: Y # 7-0 ((=(E*D(=- (-K(*-
6-(0<< -D71L4((*=(+7? (1(W673<6E=*4-<6 1
T " @ U@J+ B>AA A. ?@ -A. -?@+ ?@ B@ B>A+ ?@ -A
+B@ C--D" ;KQP 7 0C) 5<!& 0 0) 0 ' 2
AA@D ?@ -++ +B@ J @?@A+ ;KQM) " <!& 0(2
E@G B A+ ? D@ +B@ B-,@ , C.@ @A->.B+-.@+ & + U A +-
B>A +B@ D>A. E U
K & E>A C@4D2 -A@ B- B>A +B@ E ++,@Y
@,D B>A J U@ ! 0 0 8 @@ I >-+ ;<;; 0>A
+E AU2 -6@ B- .C>D.@ +B AU
4P<L C$ & $! X 0>+ @C@ A-+ +B@G E-AA@
+B AU +B@G ->,D J@ U@ E@++@C - " -A@ +@ -AA@ ;MQP
$ 0 S G ;<< 3 G @C+>@ -A B@C2 A- B>A ,@,
^D G-CCM - a SKM 9 .. ? !& 2 C(!@C ;; OO
I G->C -> " / -A + A@ U +BC> B>A J U@ - + @ +B@
+), 4<4[" , !0 I I OOS S-PL + B>AJ U@2-CC- D
-A +C> +@D +- - + +@ @ -A - +-,, -A +>CAJ U@C- Db
? G E@ ,- @D EG A >A + -A
+ ! B>A ,+2 $ 0 A L -B>A-B@A ^#
-E >C@ -C . A C@, +@D +- B b a & 0 -+@CY
C G2 C .B+@A 8 G-C C- ? +B@ G(% 2 ,6 %
$0 ((L;O >B @ B>A B@" 0 0 E>++@A2
B>%B+@!a B A@ >@-C @ E -A @ D-M D@ D, B@ >AA@
O)OOP ") $ $S7 & DC DC B+ A J@A D@->@, J + @A@D
?@ +- EC@C B@A AD B>A@E@A -B@ @@
B> + D2 C A+ - B
OSDKK: 2 9 . , 0 " + <L) 1 6 +B@
D@ C@@+ J + EG +B@ 5->D
4 1 E 4-==, (8 4-=/ E Q "O KV
6(* D(T 7* 3-=6E -< 70 ()7 <-<
SD-G & 0 + ;;M ,-A@ B@ @A+C@D B@ ?-C+ ,,
+@ - +B % +@2 B B B@ J A+@D 7 +B B>A,@ @D@ +A @
4K<Q 5 6 2 C& - ;L< B + - +B@ B>A,@
CD@,- +,? -C,D @C @ ? G > C >C @D E? U
!B,6 ?)E,@ B > . !+($0 ^ B @ " . V
B + ? G E@ B>AA@D
$/>+ 3 $ *0 S 9 !B>AA E,@2) $1 0 SK =
9 .. " & * 7? " + Q0 1-> C@ B>A E,@
!U >? @D , 6 <8 * * !0 $0 0? B i !
)7 <-<
4P<4 6 (% 0 < $ LM= !B>A D D@ +C> +-A D-+B
D@ +C> + -A C@AD@C) ;KQK % 6) " -10
OO; B@ ,- ,G2 +B@ ,- +2 +B@ B>AA@D2 +B@ B@,+@C,@
!E> A +@C m b A (^ XV + $ a #A@
B- !B>A
SK-M 7 - 0 0 PML B@ C ?AA@C -
+ ++,@ ;KMO 0(& ": L=K ! - G AD E--A
-?J A-A2G@+ B> / A@C- A@,
E 1 E 1 = " 0 0? L 0 bb. Q
!# : a @ + -A -)
2P=M %- $$/ + 2 @ + $ - 0 C$ 0 &- 0 50 ; = B@
B-AAGA. D@ D CU I@ M<L) (") $ A+C-D
:++ @A 9 +G@ , A @ +-+B@ B>A A.) 3 -C ,
!U > A 89c <(V C 3 8 B i
17 M 6(* =* 1=
+! = B :C. 1- $ / D 2 # A+ ,2 +B + A
D@> -C@ + +-DC AU@ +B@ B>A A. 7 +@C
! > A +! 8: bA+(2 10 I B R
(D* 7? =6E * K ? ((D* 7? <0(W K
3(DJ 1 0 $ V
OL < $2 (= < 0 V 0 OOMK J + -J@C B ,U G J %B>A+
J@ B@A@ G+B B ,D@X
3 (4W(+ E=- (< $ %0 ?071 *6 = F =--
B = 2 P
;KK= " * & 2& ?@ m @ @C +B@G
J@C > D@ ?@ A+- D- A. A-+B? B>A+ XKKMC$E $!!
<$0(L; &@ S S B@ B>A+ C-? +B@ @C? A + +B@
> +C A ,, A@ D>@ +- +B@ D@ C@ +- >JJ-C+ +B@
JC A @ - 0 ++@AE@C. A B +C> ..@ A + $> 4K<K
" 9 . $ C 0 $;LO ,J C? + @ ?@A
AD ? - + A ? , @ C + A @? -+ -A B>A+
6 , 0 D@C @D D @ > A+C-D> @D +-D +A A B
+B@ #>CC@A+ - A. +BC->.B +B@ ? A C > + W J
C@ + A @ - , -AA@ +@D A J C ,,@, +B
DGA ? -2 @+ ? -C@ >,,G) ,) " ,& !0
) %-AA@ +@D - +- -C? > ?>,+ J,@ >CC@A+
4KML $! B.. 3 C $, 0 ! 0 << B@ T B>A+ T !G +@?
A& J J,@D +B D A+ .@ B@ B>A+ C@ -A
A@ + A. +B@ + -@AD +B@ , A-?@+@C -,, ;KKP & 77
$ 0 " 0 ! , 0 (,- / GA ?- ? BAO! +B
+B@? A CC >+2 #C) @C@ @,@ +C- ? .A@+ - , >AD -A
+B@ ?@ C? -+2 #C , ? E - +B@G@,@ +C- ? .A@+ %-A+ >A +B@
T B>A+ # , 1 0 OOL B@ +-+ , C@ + A @ - C >+
C- ? B B B>A+ ?C>+ C@ + U@A ! ,@ B A + - ?
C@ + A @ OK<L ! , 0 0 !) " (
T DGA ?-+ -C+ B>A+ ->AD B@A +B@) @,D ? A@+
C D A. ! A B>A+ #C A J) ,,@, +B +B@ AD A.- +B@
C A +>C@
3 - <-)D- ?70 <)-0* K *6- DE00- *
?07 1 7 - 7- *7 (7*6-0 (=W *D6U (4=7 $ 1(
;KQK 0 4 4 , 7 J--L
W0= L07L-00-L(E (<K)- 3+=W *D6D0@E *(00(K-[
1- L071L *(*- *7 *7=E3D03-0 7> -W 70J>
@% * =W *D6
OK=0 ! 0 = 2 % " - 0 KP 0 B@ >E -A
+C +-C B D +- , G D- A +B@ +@?J-C CG C- D2 A ,>D A
+>?)) >+ 2 B>A+ 2 C- A. 2@+
670* ?70 + + (4=7 (
DE0)- *6-0 ?4 K 7? (=6E *0 ?4-<KE ,=--3/C
OKM= $!" !(= 3 G2 B@ EC@@ B ,- D@C B D +B@ B-C+Y
@ +C A.) +E@ C? +C-A. B>A+ ?@ A@S+ SKMM $ 1(
!0 M<K O A B@ .C-- @ a C>A+ -.@+B@C -C BEC+
D + A @2 >A+ , B>A+ A CC- +B@ B-,@ .C-- @
$ 10 AD &-1T 8 A @A @ (2)
] :6#+

; K<L (' B A+' DGA ? -2' ' E>AE -+? D' 8 I ('
D*? ? - ' B>A+' C>AA A.' 8 @@' I>-+ (' B>A+'
gG->AD' 2 C)' B A.' +B@' B>A+' C > +' ->AD' A'
J C ,,@,' +B' +B@' ? A' C > +
;) K' ! 0" - !(;P' !@J+ 'LQP ; 'A@ . A-?@+@C BAA+'
E-S' . "=' ! , 0' ,0 ') ' '?&5 ' 'C@ + A @
E-S' D@ .A@D' -C'> @' ' '. , A-?@+@C' B>A+' B@' E-S' -Ab'
+ A ' ' @C @ ' - 'C@ + A @' - , ' B B' A' E@' J,>..@D' A' -C'
->+' $%' C@ I > C@D ' SKK+' $ ' 4 4 ' PLL' ' .@A@C +-C' - ')
@,@ +C +G' - ' +B@' U AD' A- 'UA- A' ' +B@' B>A+' DGA ? -2'
*+JSC' ' ' (' ! , 0' ' '0' ' 2' A' @A@C.G' ?@+@C 2'
>CA B@D' +B' ' C + -A' - ? J@A + -A' -C' +B@' ,- ' ,- D '
+B@9 ' ' ' +@ I) @A G' - '+B@' ?@+@C' +-' -CU' +B' A- >CC@A+' A'
+B@' C > +2' +-' B B' +' ' -AA@ +@D ' B ' ' C@ @CC@D' +-' '
Z B>A+' C>AA A.' ' ;K<P' C $, (' ! , 0' ' ' ' ' C-' !B>A+b'
++DAD A.' ?@ A ' +B +' -A@' EC A B' - '+B@' C > +' -A,G' @A C ,@'
+B@' 3C@ ' ;KKL' C $!!' $!!' <$00' ;7' !@J+ '= ;' B@' -AD> +-C' '
-AA@ +@D '+-' ' 3A.,@' B>A+ ->AD' DGA ? -' ? B A@
E ' B>0+' , A@2' C- D2' ' C , G' D A. ' , -'
B ? + C , .2' ' ?@+B-D' - 'C , A.' AA-A' -' +B +'
+B@' JC-*@ + ,@' >AD@C.-@ ' ' B>A+' -C' , +@C ,' B A.@'
- ' J- + -A' A' +B@' JC- @ ' - ' ,- D A. ' -') ' !'
) '0(') ' ' & ') ' ' " - 0
$!"' !0' ;K' 3 G2' +' ' ->AD' A@ @ CG' +-'C@ @A+2'
+B@' B>A+' .>A ' ;<N= - 0' <$00 ;N' 3 G' < O' '+B@' $@ DY
A. ' , A@' @C@' ,@ C' +' ->,D' E@' ? J- E,@' -C' +B@' (* ' LK'
B>A+' , A@' +-' E@' ,@ C' , - ' ' SKMM' ' 0' $ ' $ ' ;L' :>,G'
Q' B@' M-- J->AD@C' , D ' B>A+ C ,@D' .>A ' SKKK' *0'
) ' &' ' &%' $ ' 4=M B@' B>A+' D , A.' ' @ D@A+,G'
D@ @D' -C' +B@' E@++@C' @A+@C A.' - 'D @' B-+' ;KM=' $!"'
!T' K' 3 G2' %-AD + -A 'D@+C ?@A+ D' +-' +B@' JC-J@C' A .B+' - '
+B@' !B>A+' B-+' SKMM' $- (' ' , " ,!T' , , , ' M<K O' ! C'
7 ,, ?' C? +C-A.' D@ @D' +B@' ' ,>>>' " G +@?
6E * 8J>>+(2' 0' 5-+? ' TL =' -B>>+2' ='
E->+2' P' 8 I (B ->>+2' B-A++2' W ' E>A+ ' C$0' (
=' -E>A+2' @' E->+2' E#>>+ ' E-A+ D2' M '
B>A+@D ' ^# '-E >C@' -C . A'
B@' 3 ' @A @ ' -A D@' +B' @C+ A' @A @ ' - ' B ' '+-'
B B2' AD@@D2' -?@' - '+B@' E- @ +@D' -C? ' - '+B@' J '+'
? G' A' @C+ A' A + A @ 'J- E, 'E@,-A.' +' @@? 'A-+' ?Y
J- E,@' +B +' +B ' E' ? G' E@' 'D@C' + @' - ' B ' 7
' T' - ' + C+' -C' . -' D@' 8 -' ' +-' - D'
G' '+-'B A.' E U'
J A@' J@C -A' -C' +B A.(' ' +-' BG' ' +-' BC AU' -C' +@ ,'
$'S ' % 0' 0' 0=083 ! ' (' @' E@#' A +' U@CC@' B-C'
E@' 8V @' @E>A+@' ' 0 0E,@A B@ !' >-C' -A@' @E@ D@ @'>J-'B@'
B@ @' EC>..@a' ;L ' 0 (' ' 0'C0'O 'MNP' A'E@' BG*@' B@+@2'
" @' ' @E>A+' +-' E@' B D- ' AD@C' BGC@' ,@>@X' ;L '
<$20=' < 0' V' 0' 5"&0' "@'^+B@' -S' +?@U@D' +B' +B@' -CDa'
! B>A ' -C' E@' B CJ' 1 0 OOKN' F>-D'%+2' ' ; B>A+' -A@X2'
\'!# G,' < A-' ?-C@2 %$' ;788' ' 0' ;NPP' B A@' B@'
DC@ @D@' -A@' B ' B@,D@2' @E>A+@ 'A-' ,@A.@C@' ' ;=NN PN
$ ' ! 50' S ! - !@A' +' ' @++' +-'E@' -#' \' , J@' +A@? G2' @'
+ B@ D' +-' E@' A 'A-E C@' B J2' A@' @'+-' B->A+' A->E C@'
'[=NN 0' &"' MNN ' ," B>A+' -CA-' B ?@' - '?G' B@A@'
D@C' 1 0' ;N<<K @' E ?G' G->' A-+' B ,U@ ' +-' B>A+' -
J@' B D' %4==N & . " 0' S, ' PN)@' B-A+@' -C' A-'
. BJ>+ 'B ' B JJ@' -C+-' B@AD@' +2' J@,C D' BG?' -A' C-D@'
4P ' &' ' 8 '6& ' &1& "' ' A' ! +CGJ@' $' - ' 8;M<;(
+'C!&) B@A' 'DC@ ' ?@' D- A' A+-' 'D ,@2' B@C ' +B@' D>?E'
D@@C' +V D' B @C' -C' B- @C2' E>+' ;' B>A+@D' C-?' ' C@GU@
C33 ' - ' + C+2' ? - @' >DD@A,G ' 1 (
$';=NN PN' $ ' ! 50' PKN' A' E@' ' ?@'+G ?@B@' @>GCD' C ']'
? E@2' @CD' P' ,' E@' @,@?@A+' ' - '@. C,G' E--+D' 4=
A' 0' &%' '! "5') 10' 8;K<<(=Q'1@ ' ->C', AD,G'
A' ? CC@ \' +' E@' @C@GD' +-'D@J@)' E@ @ >AD ,- @ 1->C'
J,->)@' B ,' -?' +-' A-' E CD@' .C->AD@' E>+' .-' @E->+GA.'
$ ' 9-A+ A.a' ,' A' ? GCC@' !QQP') ' ' = 0' ' 0' $'
!&,$!' 2& +(+-' . @' ' >DD@> 3 C+
& ' 0' - ' @ ,>D@' 8 ' E,- 2' @+ (' ' , -2' +-'
+>CA' D@' 8 B ?@(' C-?' 8 'J@C -A(' 1 0
;=NN &2 !$' ' =' 0' ;LL=' " D@' B@' A-++' B->A+@' B '
)C-U@' +E-C@2 5-C' -+E@' B@' E D@' E@A@' , GA@' , '4=NN (
$"'OP==' @' BG?' +@.E' +-' E@' +@?J-,,' ' AD' ,@+' -B@C' ?@A'
'5-C' +-' B>A+' ' - ' B ?@)' B@-D' - ' ->C' - - ' ' 4=MN
' &2' ! "' " 0' SS S' LM;' 3 ' D@ B' +' I> UG' ' ,@' @' -A'
,GAD@) +-' B-A++' +B@' B- C@' B CJ@C' 6 @A' +B-CA@
D' - ' B- @' -C' J> B' D@' -C' ->+' - ' +B@' G'
6 - ' 0' - ' ' +B A. 2' +-' ? - @' - ?' ' + ' JC-J)
J- + -A2' +-' . @' G' %B @ ,G' $!(' 2
$>+%' . . 1 ' 8@D' 9@C @G(2' - ' ,) ' ' '%->A+CG 7 -CD'
-C' +-' B- @' 4QQP' %) 4 0 0 $! 2& 5& &"0(
J> B') ' ' 8 ' 2' $!&,$!' 2& "% & - ' B>A+' (2 . A.'
>DD@A' + C+' B-VDA.2' J> B A.' +B' ' >DD@A' ?-+ -A'
&' - ' # 6)' $!0' 0' $' V47=') '+-' . @' G'
+- ' ?- @' C-?' 'J, @' $!0' 0' 'A@' & T' ; ' =PN S' A' +B@'
-C+B' - ' A. , AD2' J@ U? .' - ' '+6A.2' , ' -C' ->AD '
6-A2' B B'B ' ?- @D' C-?' +)' J- + -A2' @' B->,D' G2' +'
B ' $>A+@D' ' -C' - ' '+B A.' B B' C@ I> C@' ? - A. 2' !B>A+'
+' ', ++,@' +,?+' G'H ' !B>A+' +' +' +B@' -+B@C' @AD' ;KML' !
$ ' ' $ $!&%' ",&&' ' S , ' +@C' E@ A.' J>A+@D
' ? ,@' - @C' +B@' B ,,- 2' AD' A-+B@C' ? @' B>A+@D' -C'
,@ .B@D' - @C' +B@' ?>D'
' - ' ? - @' 8 ' +C A' -C' - ?@' J-C+ -A' - ' +(' A-?'
+B@' ? A' , A@' +-' ' D@ +C U' -C' C-?' -A@' , A@' - '
C , '+-' A-+B@C ' , -'+-' ? - @' 1$, .0
K=<' 'C& ! &' ' $,"' SSS+' =SN' +B@' ?@A'
?@' >J' +-' ' B>A+' ' +' ^+B@' B-C @ E-Sa' ;K=< PN' $!G'
0' - ' ' 2 7 B@A' A@A. A@2% CS) V -C+C ?' '? - @D'
- '+B@' ? A' , A@' +-' ' D A. 2' +E2' B@A' D' +-' B@' T B>A+@D' '
L&I)' 5' ' ' OH!< V) ' ' &$' LK=' ^ a' J-C+@C 2
B ,@' B-,D A.' +B@' J- A' +-' ' +C?A2' ?D' BE' AU,@'
A*>C@D' KKS' ' ;< A'S- 0' +B@' +C A' ' -CD A. ,G'
B>A+@D' -A' +-' +B@' >J' , A@' AD' JC- @@D@D' E U' +-' +- A'
UJIQ' : ' " ' $' 3 $' ' &%' $ &' $$' JJ'LQK& Y
+C ?' ' B>A+@D' E U' +-' B '+B@' - +C B' B D' ,,@A
$1 & ' N ' 5 ' ! ' 9 . . ') & ' &$ ' JJ'LQK & Y
@A.@C' +C ?' ' ?@' A+-' - ,, -A' +B' A'@A. A@' B B'
B>A+ A.
E '% 0' - ' J> B' D@' -C' ->+' - ' +B@' G ' +-'
D@ +C U' , -2' +-' .@+' C D' -
4KPK' ! +2' 0' #S 3 C' OM; 0' &C + ,,G2' @A@C ,' &@@,' E'
A-+' B>A+@D2' E>+' B@, @D' ;KM<' T9 ' 8) ' K' '
'

0' 0 0' S S2' 7 B B' ^B-C @a' B D' @' E@ +' E>A+ -A@ ' '
.--D' ' +B@' -+B@C' +-' A2' E>+' +B@' JC @' ? U@' ,' D @' D @CY
@A @' 4KKQ 8 . ' ! ' ' 0' $- $ ' 8;K<O(' L' ! A @'
+B@A2 ' ?G' ? AD' B 'E@@A' B>A+@D' - '>J-A' +B@' +C U' -' -+B@C'
D>+@ ' 4<N= = ' ' ' ' ' ' ' O)P B + ' + -'
B>ADC@D' ->.B+' +-' E@' +BC@@' +B->' AD2 AD' ' +' EA' +' J D' '
B ,' B @' +-' , B>A+' +B@' E> A@
7 17)-' 7?? *6-' 1(' 4 -0' *7 17)-'
?07 1' 7 -' 4 -' 7?0(4=' *7 (7*6-0
SKWS 0' #' A 0' ! @A' ' 'ON= ' +' ' @C+ A' + + -A' +B@'
J C, ?@A+ CG' ' B>A+' ' +-' ,@+' +B@' SJC@ ' J ' ;KKL' $ 3'
* ' $ 0' 3 C' PLQ ;' B@C@' @' ->,D' +2' AD' E U' AD'
B>A+' AD' B A.@
3' ' (< ' 7' 17)-' 7E' 7? *6-' W(+
) B@' D ,' 8 A 2 @+ (>@f '+-' .-' G2' E@' - ' '? G' E@'
A' J C+' 'D C@ +' D@ @,-J?@A+' C-?' @A @'
4KM<' T 9 ') 8 ' 0' (' S S2' +' ' A-' > @' +'
6' -C >' + -' +-' C>A' . A +' @ B' -+B@C2' +B ' +' ->C'
B-C @' B ,' B>A+' -CG->C A2' 'G->C' A' -A' +' -C' ->C' ' ;K<
' $ ' 8) ' $-*' ' ,0 ' @ ' ?-?' B@C@
') % ' 7' <)-0*' ,(' L70*' 7 ' 7? (' ' -4-D*0 D'
DE00- */ 3+' 1-(= 7? (' =6E *' ,=--' ' ' ' ;/0'
^$! &>(' *7' <)-0*' DE00- *' ?07 1' ,(K(4)(71-*-0/
;KQL' 5 ' # ' ' ! , 0=' $ ' 0' S e' L' 8;KK;(OLP'
. , A-?@+@C' +B' +B@' C@ + A @' 'E@' B>A+@D' EG' ' B>A+
- '+B@' C@ E+ A @' (+B@' C@ + A @' - '+B@' B>A+@D' . A-Y
?@+@C' ,' E@' ^@+ a2' ;KQK' ! 0' 6 - !0' ;P' !@J+' LQM ;' B@'
A@ @ CG' J-C+ -A' - ' +B@' >CC@A+' ' B>A+@D' ' C-?' B@C@
. , A-?@+@C2' SJXS' ' 0' ! , 0' ' 0' 'M;Q ;'
' AD A. ' B B' B>A+' -C' EG J @ ' ' J-C+ -A' - ' +B@' ? A'
) J,)
! ' 7' *E0 ' *6-' =67*/ ' (' =6E * 0 ?4-< KE ' 3+'
1-(= 7? (' =6E *70' DE0)-' *6-' 0 ?4 K ,=--' 8 '
= 2' P' E(
SKMM $ - 10' ' , " ,!0' ' M<K O' 7 B@A' +B@' .C-- @'
E@ -?@' A C-- @D '+B@' ,B-+' ' B>A+@D' - @C' +-' +B@' ,@ +
& ' %;')8% , -' TE7* /
;<NK - 'OO : A2 5-CE DD A.' +B@' ?' +-' B>A+2 -CD A.'
+-' +B@' D@ A + -A' - ' B>A+ A.' B B' @@? ' +-' E@' .@A@C ,G'
C@ @ @D] A ?@,G2' D@ , A.' E@+ @@A' ? CU@+ 'EG' -AD-A' AD'
JC- A , C? ' -A' *- A+' ->A+2' AD' +B' 'D -A' -
JC- + ' AD' ,- @
6E>*** <? , ' ' 0?' ' O ' (< ' Q' Z G
: ' =- =-' 7? *6-') -03
<& "G' ' $ 0' 5@E' L<< O B@' B>A+@D' B@C-' 2'
B@' C' +-' ' -A>D@C E,@' -C+>A@
; ') % ' %07) < -' W *6 (' =6E *
4KQL' ^ @@ B ' ' 4<SS ' ' 0' ! , 0' ' 0'
'L== O !B>A+@D' 3@+@C2' A' @,@ +C D+G' ?@+@C' JC- D@D' +B'
' ,- C@ E+ A @' B>A+' ^@+ a
3 @0' ,?)2' *7 / ' 0?' 8 ' ' ' ' !
: ' '0(' 4W(+1(' -1L47+-<' *7' =6E *' 0(' =' 4=7'
(' 1-D6(D(4 <-) D-' *7' ?(D 4*(*-' =6E * K
O / ' ' 9 . ' ') ' &' ' &$ ' JJ' LK;' 7 ,, A'
@ C2' B>A+@C2' --' C> B@D' ' *&&!' $!"' C& ' L' # +'
P S' %(A@' -' +B@' , +' A@ ? @ B A ' A @A+ -A ' E'
'C , G' B>A+@C' +' E' ' --D@A' ,@ @C' ^@+ a
' ' %;)8% , -' TE7* /
T' ;KKK' <!$ &2' ' 0' 'O= >.' L M ' ' B>A+@C' T E '
'EC-U@C' B-' E>G ' -C' @,,' ' +- U' A' -A@' ? CU@+' A' +B@
E@, @' +B +B@' ,,' E@' E,@' ' ?@D +@,G' +-' - @C' +B@' +C A Y
+-A' A' A-+B@C' ' JC- +
- D-' ! > A+@C , J
L ' 1) ' ' 0' S+S' ;=< &C-?-+ -A' +-' '
B@ D' B>A+@C B J B->,D' E@' -> +@D' 'B .B' @A->.B' ?Y
E+-A
6 * 44K' ;2> * T/' " ' ' 0?' 8 ' '
'4 6-' (D* 7 ' 7? *6-') -03
$>>/' !' !>JJ,2') ' +B@' +' - ' . A. ' >DD@A'
+ C+') S& &' ' ($ ( ) ' ' ?- A.'
+CDA' A+-' ' D A.2 -C' -A' +-' A-+B@C' , A@' 'C E' S& ' $ 0'
0'B' !@J+' OL<' +' @ @CG' + + -A' +B@C@' E' ' ?>,+ J, + -A'
- 'J- A+ 2 B>A+ A.2 AD' .A ,
$ 1(KKW C$!!' $!!' <$00' ;=' JC' M ;' B@' -?J AG'
A+@AD' +-' -A +C> +' -A' +B ' ' B>A+' A.' G CD
6ELL K0-' 6ELL- <0' =--'
6E03-*' 6E0-' 6 0J ' 6E04F =--' F
6 4 ' & 0' ('
* 6*1 ?' (' ' # ' ?76E0 ' '
=@71-' ' 3E1-' ! =6-0 - ' 0 4*-0-< ?701' 7?
DE ' 06' 7' ()7 <' =6E
$'SO--+=NN') & ' 0' ;<==M8 D++(' "@' > B ?')E@D'
(+' # @+>CA' ,VB' B@' -C' + A^Aa.' A,D' A-.B +' ! B>CA' 1 (
ON<M ' 1 (' IL' LLW' ' 4=)' C & - ' *0' C$ (==K S ! B-?GA2
-C' B@ GA2' ' $ / I ' ' &2 ' ;' ' 0' *2 '
A-A' - ' +B@' +C-,G ' O>+' A>CA@' +BG' >?J AG@2' ' , -D-' +B@'
D@>G,' - ' E@,,@' 1 0 0 E2' G@ G,' B>CA@' +B@' B@ D' ,@@'
;P=K) ' (& $ ' ;' 8;PMN(ML' E2' B@' +C@+@' E>+B@' E' @C
@A @' E@A@' E>CA@D' A' ,' ,@A@C ,' JC- @ G-A
&6**1 , - ' 3E00(4 ')(0' 701=F' 0' ? ('
* 6 @' ' 0 1 . 701=F' ' 4 ,(' =73* 0*'
' =76 0*' 9 > ' =6E0*' 00-L0@ ' % ' *7
=670*- ' =]L0-6 =*70 D' ' ?' ! ;+ ' ' '
70 *6-' <-)-47L1- *' 7? =- =-' D?' ' ' (<
' ' *7' (1E=-' ?' ; =670*G' 7'
(1E=-' 7 ' -4?' *7 L(==' *6-' * 1-' 4=7' 0' - D-'
*' 6 * K' 1(' 10" (1E=- 1- *' L(=* 1-
<6-(E?? 4-*(4-E=D6E0*- 7E *7 K<-0-=' CR 7T) &
(@# ' ' 4! ?E*-=' 6- L4(*-<' @*' L4(D-' 70 63 =-30'
K(<6 =-D@D-' R 8C(' ') ' %07 ' !@E K'
?7 D*6(1' =-3E0*3 W *6 K(1 =74(D- (<L4(+ ' ' (
<(+' 6-0-' W(=' 1(<-' ('=6E** K3+' *6- 6K6 W(+'
* 6 H ' ' 0?' ! + ' , 0] ' % F
=--' DE %' 10>' ' ! ' $ DE0?+
$'4!K<' ' 0' < $- ' ; L0 1->C' =J+ ' =D(33+<'
(' <'=DE0E+' (W +' *(' +<' (<'=6E0E+
6E*' ,?@*/' ' 700-=F 7' ! &' =6E**' & =677*
! =6E*0' \' ' =76-**' 0? 8 X !W' U

' 71-*6 K W6 D6' =6E*-' 7?? 70' D47=-=' EL
C+' 2' ' 47DJ K 3(0' 70' 374*'
%;=MN' C & ' * 0' C$ 0' 8 7 A B (' L;P' #A D-GA.2 -C' -AJGA'
AGA.@' B@++E' -C' J@C@,,G 2 & $, &0' S S' 1) ' (
< 0' ? 0' 4' SS 'e' MQ' 7 +B' B +' U@G' 9 ' "@ACG' -J@A@D' +B@
.-,D@A' B>+' -' +B@' &-J@ ' %-A +-CG' -C' B+' ' C@@' @ @2
' :' AA-+' G' 0 . . 0 & - ' ') ' " $ ') $' ' (' ! ' (S--'
(G->' -?@' +-' ' +B@' . +@ ' -A' E-+B' +B@' D@ ' C@' +B@' J- +'
AD' A' -A@' - ' +B@?' +B@' B A.@ E>+' A' +B@' -+B@C' C@' +B@'
B>+ ' 8 B>++ A.' E C (' ^ ' ,!$) $H0' ;K=P ' "1 ! .'
2 " @' UA- U@D' +B@' -CA@C' - ' ,- U A+-' ?G' B@ D' + @2
-A @ +B' ' E-,+ AD' #A @' ? +B' ' B>+' G->' UA- ' B +'
+B +' ' +B@' +B A.' B +' A>E' A+-' +B@' + J,@
3' ' =6E**-0' ?70' (' W**<7W' 7W $!0 , --'
) ' D ' D;
S ' %- $2 $ 0 E- ' !) + ' -C' --DD@A' AD- '+-'
B>+ ' ->@C ., C- @' +C' & !G ' & - 0' 0'C> $' , &"'
;;:' MQ' ' A) / 72 B B' A@ @C' E D' ' B>+' ^-C.' &! H
;M<N 7 ' 9 . ' & - $ 0' ' !&3 $ 0 =;=' # J@A' +B@' B>+2
- ' ' B A.@D' -C') D A.' D--C' -C' J, +@' -C
D47= K ('(L-0*E0-0' Q()64)-' 4=7 U
=--' TE7* ' :&&
;MP;' %' ' $ * ' 8;MQM(K' B- @' A CD' B>+' -C' ,D '
+B +' C@' +B A' +B@' @ ? ' S) ' ' -&) "' A'S 6'
8$-SE (' LNP O' ' 3-C -A +B' ' B>+' +-' @ >C@' +B@' @
;M<;' / ' $ & ' ;' 8+!)#(' LN=' B@C@ -C@' @C@' +B@C@' A-'
!B>+' -C' !+-JJ,@ ' ? D@' -C +B@' C ' ;QLP' 7B.
' * & 0 ;0;' 1-> ' ? G' B @' + -' !B>+' ' G->' ,,2
? D@2' +-' B>+' >J2' -C' -J@A' E-+B' "-,@' 4K=' " ' 1
?.0' $ -' !!0' OMQ' ' ! ? ,' , DA.' B>+' B->,D' E@' ? D@' A'
+B@' J C++ -A' S ' 0 -A 3 ' (' ' ' ' MN
) (? -) U' -C' 3A.@D 6JJ%C+W' -C' +B@' .@' +' ' J +B@ D
? ; ' - <7=**0-' ?' ?70' ? =6'
L% /)H(' -0"0 %\$- ' +-0' !B-+' -C' !B +2' '9@@J@'
^3>A +@Ca' MM &- ') T' $')$' ' 0' ! ' 0' KP' B@A'
J C+' -' +B@' B' E@' @,, ' J C+' E@' B>+' >J' A' BE' B>+
6- (D* 7 ' * 1-' 70 L4(D-' 7?' =6E** K' 6 -?4+'
* & 0(*6-' D47=-' ,7?' <(+/' o6-' D47= K' ,7?-)- K/
O%%>' = . ' C0' 0' +9 ' MQK' ' A' ' B DG' A--U' :' +--D' E@Y
B AD2 :> +' +B@A' C@+>CA@D' +' WB6+' - ' @ @A A.' ' @C ' 4M<N
' - * 0' +2 2 ' B @' E@@A' A' A' .>' @@?' +2 @ @C
A @' B>+' - ' @A A.' 4Q=' ') ' < $ 'QM=' +' +B@' !B>+'
- ' 'A2 +B@' @ CG' 0 CD') '+B@' D@' C' 4K;<
" * & ' ;;' LM B@A' +B@' B ,,' C' A' E@. A' +' B>+' - ' @ @
= ' =-' 1 ' +G' ' B>+' - ' D G' ' %BC A ' @'
UA .B+' 6J-A' BE' B@A B?' A',@ A@D' ;K<<' =) ' $ '
' &-@+' 7 0' +0' 8SJX (' WOO) 7 B@C@-' +B@G' A2 5C-?'
B->C,G' C@ +, A. ' >J' +%) > +' D' 6D 2 " @C' C@ DG' @ C@+
' ' M71 ' 1- <8 @ 7-0' (' W-4<' *6-' 4 -' 7?
ME D* 7 ' 7? *W7L -D-=-' >?W-4<-< 1-*(4' & ') (
(' 1L-0?-D* W-H <E-' D3 0' (' 1L-0?-D* 7 '
'D(=* K' D(E=-<' 3+' *6-' ?47W 7?4 TE < 1-*(4 7 ' (
D6 44-<' =E0?(D-
$>A$' ' $ ' 0'C $, ' MN' -' - A' D- @' A+-' +B@'
C- - @ AD' ?) @' A' @ @ +> ,' !B>+' , U@' -A@' @A+ C@' !B@@+'
- ' ?E@C' ;KL;' ; ' " - + / ' $ ')%0' $!' ' ;;=' B@'
@A+ C@' ,@A.+B' B ' 3 ' 7 @C@' JC-D> @D' +B->' ' B>+' S GQ'
9 ' ' $ ')%0' <$ ' OSQ' B@' +A. ' ?> +' 2@ @'
C@@' C-?' AG' ?J@C @-+ -A b >' B' 'B-A@G -?E2' ' ,D'
B>+ 'Z C U 2 -C'
M' $!(' C DD A @' KJ' A' JBC' $' && ') 0
8%+' B' 0 ' AD' ! "G % (
6E*' ,M 2*/' I8' %(' *' (< L(' LL4-' =6E*'
7 1=F B 0' ' ' =(+**(' # =-3E**-'
' =,D/4 **-' # ' =3(*-' ' &3+**,-' =3+*'
,(4=7 "' $!0W =3 *@' ,' (76+ - ' =D6E*' =6E*-'
=67*/' !' =?(****' @' H 0' *0' M' #' K=-**-' , ' (
% 0' ' 0 #' ==-*' - * 0 ' =7-*-' #' ==-*-/
# ' ' =76-**-' # ' =3-**7' , ' % =767*/' '
0 =3-*0' ! # ' =730 *-' # ' =6-*-' ' =6--*'
5 ' 0 (' ' ' =7+**-' # ' =-3E**-' =,7/6 **-' ,#
=6E**-' #' ' =6+**' ' =3+*' =,7/6+**-' ' =6E**/
' =6E*0' ' ' =6-**-' # ' =76-**-' ' =D6-*,*'
=67*0' "0 #' =D6 ** <-' K =6+**-<' "N0 6' =6E**-<'
5 ' ' ' =7E**-<' # ' =6+*' ' =6E**-' ,#
&76 *,*' =76+**-' ' @+=D6E**-' =6+**-' =6 *,*/-'
' =6+*,*' =6 **/' =6E**-' ,(4=7 " $!0+' =6 *
Q =6E**' ' =6E*0' # ' =D6-* ,#' +=,7/6-*
+=D6-7*' +==-*' =76-**7' =D6-*,*/ $ ' =6-**-'
=D6-*' ,(4=7 " ,@ /&6-* =3-**0' ! ' =6--*0'
K' P' $ & 2 !B+(' 9' =67**' M2' " $!(=67*' ' Q'
' 7W $!((< E**- 0 ' " $"'
,170-' ?0-T' ' *6-' D71L7E < B D
L0-6 =*70 D T .) B$' ' ?' T 3' WJ' K0(<-' 7? *6-'
077* 7? ' ' ? 0 =' . $,H 0 ='
. (B +(, / V ' / E' ,) "' *7 =6E*'
=6E* EL' 73=*0ED*' , 3 ' ?701(4D7 D<- D-' 7? *6-'
V' (< 17< V' , 0 "' *7 L07*-D*' = L073'
(DD <- *(4 /
B@' A-C? ,' C@JC@ @A+ + -A' - ' I ' ," $ ' ->,D E@'
D- A' +-' +B@' M+A' ' +B ' ' +B@' JC@ ' ,A.' -C? 2 +B->.B'
+B@' 9@A+ B? ' ' 8> @D' EG' %B > @C' AD' - @C(' , -'
@CG' -??-A' B@' ?-D' -C?' JJ@' C' +-' B' E@@A' -C . A'
,G' 7 @ +' 3 D, AD a
: ' 6-' = 1L4-') -03=
' ' J>+' 8 ' , - U2' E C2' E-,+2' @+ (' A'
J- + -A' - ' +-' +@A' 6' D--C' @+ ' ' 8% '
' : /
' ;NNN) 5! ' < $-(SSS ' 8[(' OON &'4 $ +' ' G'+@'
>?' ,- ' - ' @ B?J)@' %;LQ#' < &) ' 8 " -C +?('MM<' J@'
5 B@C@' -A' B ' @ C@' @@+' -U' @E>++@' >' +@' '
;=OM) 7' <) !0' C !* >0' LNK=' A B@++@A' \' +-' B@++@'
.@)' / -UUG ' @ B-A' SM)' : B 6) ' (A' 8;MQP('
;<L2 ' B @' .-++@A' A- 2 B-A->C' +-' ?G' -CD2 +B@' . +@'
-J@A' +B +-C@2 AD' B>+' +B@' E C' - 'B 'D--C

?; 7?($*-**,(<770 70 (L-0*E0-/ W*6 (47DJ 70 3(0

%;L!N ?) LML; 2) B@++@ 2) D-CM (V (@ U@ @)
,C=NN _ AD +B A@ + G B@+ +@ +B
)>U 4=Q= # GP6 "6 , 8;K!L: ;=< B@ B@ +@
B@++@ G+B ,, ,- U+ +A 7 ,6 \ %, CU
=QQ +C-A.@ %B@ +2 B A. *,- U@
AD, F U@G@ +-B@+@ AD -J@A > @ ?@V +MKM +C $ '>
$*0 C Q= +, @ /--C B>+ +B J @ @- &@,+
SW ? & SS V 0 G U@@m 3 A. D--C B>+
$%J> = B $ SSS - ? + GU@G B@ E-C@
- ?@+ : + A 8 B@ .-,D@A -J@ 2 +B@ C-A B>+ ? A(

7 480 K,(<77 K(*- W #7W 4 < -*D / *7 *6- L7K * 7((W6 D6 *D47=-= *6- (L@** 0- - + *7 =6E* X *6(* *D((7* -(= 4+ 3- 7L- -<

7 -CD , U@ && $E @+ > > ,,G D? + - -@) > @D
-C +B@ J@C+>C@ +- .@+B@C +B +B + B D ,- @ +2 +B
@A @ J @ A+- @A @ Q
,S -- , 7F) ;=L A+- 3 A@ E@DD@ AD @+-
!@D>C@ ;L ! LKL; 8 7 () B@ ?@A - +B + +@ 2
C-AA@ C +- B@C . +@ - + AD B@I B@++@A @, -A B +
0 M;KP A +B@ +@C ,) C@ . +@ 7 B ? B + B-D2
G B@-+H $) G B@) B@G E@-+B %$ B B V
& PL< : -AD (U@+ ? , !- B@+ +B + ; A@ ? .E+@ A
.--A2 , 4L!< ?!$) ', LLP 3 G GAD- @ @C@
!B@++@H 0 B@+b EG+, @ B-A , 9 B1 C (8;KKN(
MQ J@C AG A-#A ?+ B ++ B C@,G B@ D-C $ E@ +@ ? J,@2 ,$&$J
' B 3 ? /C ',0 , B-.B B)C@ E@ A-.B+ B +
,4==N < ' " B@ . +@ C 6 B@++ - +B + % +@@
;=KL %" C 88) *AD@A(;= B@G BG++@ +B@ . ++@
4PL4 & 0 ? G .0 MD- B@ . +@ - +B@ % +!@ B ,VE@ B-+
@>@CG JG.B+ + + - +B@ -U 4P M .). S 2 Q
- @ +B@ D-C@ A@++ S !L< A , - &!& $ 4 , PL
B + D--C@ -A+G 3 ,,G +- + AD BB++B@ +G ? @ - DG GA@
@C> @ L/ = I< 7)) (A ; ;< E2 B@
AD- @ E@ A.2U@J+ B>+ A A+@C SM) = L 8 B! +C
& & 8;MLP(PL B@ % + X@A 2 B>+ +B@ C D--C@ ;M=Q
11 & - -(10 2 7 B@A +B@ . +@ B>+ ;MMQ
= . T L=N 5 + @ ->AD2 + B>+ B@ D ? ,
+@ 2 AD E C @ D-.# +C " . ;QLQ < ' 0 $ (MNK L
B@ +@ > @D +- E@ U@J+ !B>+ ;KO< ! -+C ' ' & % <(
SSS 2 "@ ->,D A-+ @ @A @ ?,D@ -@AD +- B>+ B . +@
;K=K $'(C$, 2 B@ J>E, A B>++ A. B
B>++@C ;KNP & ' 7 8) & % "* U LM
@CG B-> @B D + .C@@A E, AD %,- @,G B>+
$ &!0 ;LKK) 7 % & $(SU + ; F @ 3 -J@A@2 AD A--A
B , E@ +B + B E @E >@ SK . ' $" ' !@C ;;
) 6) A- B@ @C ? + EG +B@ C J- A+@D , + @ 2
+B@ C X@ ,-> + +G A @J@- A. AD)B>++ >.+ D@ , C@D
+B@ *-G-> ? - ?@A+ +B AD

3 D7 =* I 0 , I <(*)-/ +, ,(L-0=7 -*D *7 L0-)- * 6 K0-== 70 -R * 70 (DD-== *7 6 1/

;L=N " '1(LSN "> AA@ BE> @,+E DD@ .-D A@ B A@
B@C+@2 @+@ E@ D-C@ -J@)@ %4# '%(!$ &) ;=P
B@G JAD@ +E@)+ _ AD ,- @D G@A + B@? ;PSK
$ $ - 1 $!-%(;LO 7 G,`G ? 2 BG++
+B@ D--C@ +- BG) ;MLL +) >X *(C (R0 PKN
B@ -CD B A)C@ B>+ +B@ D--C@ - +B@ CU@++J-A " ?B
QLQ ' !0 $ 0 ,, =MQ C "@ AD D @ +@ B>+ . A +
B ? ;K=W $'0 $ 5 (!B@ ,U@D ->+ -
+B@ C--? +B ? - + ? + C2 AD B>+ B@C - A D--C
EC U,G -A B@C %, ;KQM : \ e <&! ' ?) %!"
5C-,2 2 D ? A-+ ?-C@ D@ + +>+@ B@A +B@ . CD@A
. +@ @C@ B>+ &' 3 ?

7 (< 0(< ? KE0(*)- D7 *-R*/

;L=N ;K< -B@ -@ ? GD@J@ .-D B ? @++@ B@
. +@ - B@ J- G,@ = % 0 $ %(1(
7 U 40=M L 7 @ E , A-+ +BG @ +- B >@ D--C@ B@+ J-A
B@C@ @ B >@ A-A@ B@++@ -A A- 4QPN < ! "
MK AD B>+ +B@ . +@ E A@C G -A ? AU AD ;)QN B
C 0 ? ,&) 0 P; $@ + A @ +- J- @C2 B B>+ +B@ D--C
- +B@ "-> @ - %- ? ? -A +- -A@ ? A 4KPN % '
- 0 S, O@ -C@ F-D B>+ +B@ D--C G - EE B@ D
SKMS . 0 , "!) '$0 L($ - (;LML '& 3 @A C@
A@ @C + +@D +B JC- J@C +G2 AD A@ @C B>+ D) C D--C
. A + + V

< ?70 ? (<770 *D F 7 <7=- 7? *= 7W (DD7 < 70 L+ =71 - E =-- (K- D+ 4=7 *7 (<1 * 7?3- K =6E* 70 7?3- K =6E* (=L-< -< 1(-0

J&>+I / = .) S + MSP 6@ +B@ D-C@ \
GAD- @ - +B@ J , G B>+ EG +B@ ? @, ;M=K ' L
/ .)"% (C ,A. AD- @ +B +-J@A AD
B> + 3 .'+C) $*(2 ;<< B@ &--C
B>+ +B +C-A.0 C E@B AD + K) -(
2 B@ , + B-C +@C B D A- --A@C DC-) +B@ +BC@C -,D
+B@ D--C2+B A + B>+ +B , ->D !->AD LKQ B H.B
$)!!) S =N^ DDC@ A. +B@ D--Ca ">A. +-+B@ E@ ?2
G-> B>+ ? +) -C-J@A)>

7 D47=- , 71-*6 K/ 3+ 30 K K *7> K-*6-0 *6- 7 *W(0< D7)-0 K L(0*= (7 <7=- ,7 -2= -+-=/ 4=7 -=L 7 K 70- 0-?E=- *7 0-D7K R- 70 D7 =<-0

B & -(& L<M !B@2 B@++@ B C D@A -C
D D@GA L+0X VP 3 - &? N385 B@G , -@
\ B ++@ -@ G@A # B C ? GAD% ;PQW B 3 $)!,& '
ONO B@ E U@ 6 ? @- +@A AD E@+ B@C) @ +- CD
A.B+ MMS ' "!' * (8 MQP(PO B% J, A@ +
C> + 2 +B) ,,AJ+ , >,,G B>+ +B@ C @G@ 2 ? G2 EG
+B@ E@A@ + - + .B+2 D C@ +B@ C +@J 2 $ 2 (
C $, 0 ,(8;Q;M(LP : AAJ+ B>+ ?G @ . A +
3 A @ + >+B ;QLQ ' + (' < 7U
;KQ; LNL !B>+ G->C@G)+- +G->G ?@D + + -A LKP=
* . (8;KQK(=;L B + ? A +-E@ J + @D B-
A) >+ B @G@ + ' + L<NQ . " 0
$ & $ & S'S " @,@ @,,@D E C@ -, @C + +B@ D@ D
,@-J ?CD2 ?9 B>++ A. BB) @ + .B+,G2 C@D ->C B-+ A
C J D > @ C-

3 ,C / - + ,7 -2=/ + F D6 -?4+ L0 K (* =- =- *7 D-(=- ?071 =L-(J K ?D 674 7 -2= *7 KE- 7 17< =4(K + ,7 -2=/ % ,@/ - + ,(7*6-02=/ + *7+ - <-0

E (34- *7 =L-(J 0-L4+ < ?(E4* < =D47=- =-D0-*= -*D U 7DD(= *7 L0-)- * ,((1(4/ ?071 <-)7E0 K

LL=N " '1(;Q< J@ DG%>@, B + B ? X@+ E@>-C@ B@) ?@
B ?>-C+- @ +@ E A@ ?->B LPLW 3) . $(,) LP2
\ G U A.@ B , B>+ +B@ C ? - >A) E@ -C@ B ? LPLP]
$'(OO 3 G -D B +B @A+ B A.@,2 B B B +B ->+
+B@ 7 -A ? ->+E@ ;K) = . < ! ? $ S S 8$+,D. (
LQQ -A B C@+>CA2 B +B@C @A+>C@D +- C@ ? -A +C +@
J CD B>+ B ? ->+B + -A @2 +B A ?J@C+ A@A+
A @C LKQM T = 8 & - $ B" S 2 !B>+
G->C B@ D AD ,@+ - ? . - -A `

7 D47=- ?74< K EL 70 30 K K *7K-*6-0 7? L(0*= ,- K (377J ? (4-**-0 (D4(=L J ?- 7 -.= 6(</U *7 30 K ,*7 -2= (01=/ *7K-*6-0

+ $ JJ%% B & - 0 & ;NKO E->+@ B C A@UU@ -
.@A+ , @A+ ,@ 7 B@+ +B@ C B@ B@ @ ,@ 85Sh7
&"!) ;LOM !B@ B@++@ + 0 ,@++@Ca L=LO ON
& ' 0 & " ; ; ; PK J >A @ - J, +@2 B B@ - (V@ , E@
B AD@ 7 B@+ AD ,- ;=OL # : V ' A 0 2 3 G
E>U@ : B@+ ,J& I L & ' ' & % " - & ' S LLP
7 B A $GJ> @ +B + $G E CD -A @ @D2 B@ ? D@2
BG ? ? ->A+@ J-A +B@ , DD@C2 \ DGD B + +B@ B@GA B@C +
B@ B-,D B A. LPQM < 7 !< !$ J , 2 B>+ ? G
., @2 E@ -C@ G-> . D@ G->C ,, ;PKP 9 7
+C & !$ % &" 0 > LQ E2 G@ ,- %GJC@ @ C-> B+
J-A .-,D -, @2 B B +B@ B>+ AD UA + E@B AD +B@ C
-G @ LMS= < 7) ,$ '' == AD +B@A B@C C ? @ B@
JC@ D AD B>+ SKS) ' <) " 0 S, S2 B@ D J
J- A+@D / - ? A @ B>+ B J-AD@C-> +-?@ SK) = R
) .) ; ! '1 & ' ;; !B@ B>+ +B@ J A- ;KKM
9 . " < UL8 & ' ; ;QP - D@C
B->,D E@ ? D@ +- ,@ CA 2 A B>++ A. +B@ .>A) +-
C @ -@ +-D@ +- +E@ E) C@, ; K<= "< B.) V "
!& ' ;MO "@ B>+ B UA @2 SJ-. ('<. , (
$! ' OLL : A + B>+ +B@ , J- A *->CA ,
% (LQOO $' 0% - !0 OL :>A@ L O #A 5C D G , + @C@
B>+ +B@ C A @C O--U - @ !->+B !@ % - ? J AG2 $ LQP=
^@@ B 7 1!0 10 Sa

3 ?70 4=7 W *6 =- =- ?*7 3-D71- 7L* D(44+ D7 * E7E= *7 4-()- 7) = 34- K(L

LPKO 9 C$ & '$ ' (S'8 CE (=P !- B>+ -C
JC-> ' ? G -G D-B +B , - C@ SMMK) (
& ' 8;MQ (PM $ ' , 00 B@ ! @A@ !B>+ 2 LMQN
(B7 " - !(B , 0 ($ & " 0 (8;M<=(QO B@
!->+B JD B>+ . A + +B@ -C+B AD +- ' 3 A
.B+ 1 (R + % J@ F- D +B@ AD B>+ -A@ +B
+B@ --? C+B@C2 +B@C@ @C@ A- +C+B@C2 J . @ !> 5
C $ - $,&3?&(=P ,+ 5,- @C -J@A A +B@ 5 @A--A2
C-? @ .B+ + ,, +- CD - AD +B@A@ + B>+ LKQK
* B = . & ' &% $!" ;OM C+B AD -@ UG AD
-@ UG AD +B@ @ 2 !@@? B>++ A.+-.@+B@C E--U +B +
C@ D

* T > I 7 D47=- ,7 -2= 4 ?-/

LL<N F 8 & % (OPL B@ U .@A@C 3 " ' 3 +@
D G " +B B@ +- +B@ -C D@ G@
< (< ? *6- <(+ F 7 D47=- >
W *-0 7 =-* 3-D71- =-**4-<

LKS= & & % ! ' SS2 B@ B D@ - ?@D- A)
+B@ D G B>+ J /& 8 . ' $) - - ' TSS
C@ 7 A+@C B-,G B>+

7W-4< , ? * /% 8]U +
L=<N LPPP ^@@ B 7 1!0 1(SEU LMN=) , &(
, 0 , $! 5% 0 8 3 !(2 5-C B>+DA.@ -@ C-A -
+B@ J>? J@ LK== . 0 $ (4 LQM B@ E@ + ? @+B-D
- B>++A. + +@@ XKKM A % (& %.0
! 7 D47=- ,((L@07R-/ 3+ L4(D K =71-*6 K
.EL7 * 70 3+ <0(W K =71-*6 K(D07== */ *7 =*7L
EL ,(07(</ W *6 73=*(D4-= 70 3(00 -0=

LL 7. A <O - GAA@ J :V@ U@+ +
) + B@ @G ! B>+@ !L==N < $ %!& - (S > =OL 8 DD2
3 !(B@ +-E@,,@ B ++@ +-> ,>C@2 ;;=P< & " T
8;K= ;(LLK 7 +B +B + -A +B . C @ @ BG++@
9 7 +C & !$ "> & "0 S ;LN!+C-A. ?@A
U@J+ +B@ J- +@ AD J - E>++@2 +B +B@G U@J+ G
+B@ -?@ AD +> , C-? + , ;M<= <Y
?> , @ ' C OL< B@G +B@A A @A+@D
+B@ & ,,$ &) -@ B B +,)G B>+ +B D--C@
&1&>' 1" '4(@ C S ;=L B) ->,D
@ @) B>+ +B@ & .@ A+-' EG A ;KP FI
(M 0 C$) !8;KP<(=PN +@ C +B + ?@ +B@ @
B>+ AD -@ 7 A+@C B D E@@A +-C?G -A@ LKM<
- & - (& D(84K) (S 'L; -+ 'C- D
B>+ . A +B ? [<$ $!" < $* , 0 / @ =L @CG
@S + E CC@DZ @ @CG J @ ->+ +B B>? A E CC D
& 7 L0-)- * (DD-== *7 70 -K0-== ?071 ,(L4(D-
3E 4< K -*D / 3+ D47=- K *6< <770 70 (L-0*E0-= 2 =EL-0=-<-< 3+ + , = -- 4" - / -RD

LL=N " '10LP= :) AA@ B@ +@,X U@C AD G @+ LLKO
9 . 1 ' ,OL 7 @ ->AD@A +B@ JC J>A @E + +B
D, .@A @2 S) X L ,) " !!8!-??@C(PQ= B@ C- A
-++@D B@C %G+@ $/A% ') R A +B@D G@
-A "@,G 2 B@A B@ L? B@+ -C@ G@C@W) D GS@
?-A@+B@ J/O$ ' = % !(PM 0 @) B -,G
D G +B@ E@..@C B-J B>+ J J> ' ((:
' +6 B , ++@C ^+B@ 5@> ,, A+%,>E B@ B +B@ ! + Y
+-A +- @@ B@ $& ' ?&-1 " SS 2 $-E +B@
C AD@C ? D@ B - A E@D2 JC@J C +-CG " B>++ A. -@
B-J 5N1 ' & % $0 &0 $" SS4 8@D L(
L0= 0 AU "-, D G +B +B@ B-J - -AD-A B>+
/ ?70 % (
SK-X 0 - !0 ;MN B@ &- + - @ "> + - A.+- B>+2
?D ?K I - + ,(L-0=7 2=/ F *7
0- <-0 6 1 D(L(34- 7? =67W K ?--4 K . 4=7
!?70 . 7?*6-6-(0*
LLQ= B & " !) ;NKM B@C +B B) -C @ -
B B@C+@ B@++@ B @ B + C-? E % .B@) , B)C@ A- + +@C@
;L<N < 8 & %(L)K !@E@ ? E+@ A-.B+ - CD -A B+B
!J@U@ ->+@2 -C B C@ B@C+@ , @E@++@ ,
< - + ,+ -*D ?) F *7
0-?E=- 6-4L *7
LLKN 9 6 (8SKK- (; ! ;) -AG ? A @@E EC-B@
B >@ A@D@ \ B++@ B J>C \ ? @C G C- BG? $/>% < "
%# " ? &&- ?&& ' ?$" 7U L<;N :: LKN 7B- @

+ E,@ A-+ -A+ C- ? AG J--C@ -C A@@DG *C!- & '
- ; 3@A B- @ J>C @ C@ B>+ . A + +B@ C C@AD
" 7 - D47=- =-DE0- 70 D7 ? - ,(L-0=7 :
*6 K/ 70 * (L4(D- 3E 4< K 70 0-D-L*(D4-U
7 LE (L4(D- (< =6E* *6- <770 4=7
4=7 7DD(= D7 =*)< *67*6-0 L0-L= *
-*D U 0(0-4+ W *67E* D7 =* , ? + : /
;L ' " $ 0 8 7 (O=PP B ? J@C->C B ?), DD@ A+-
B B >? EC@ AD B AA@ +B @C@ +B@C AA@ B@+ ;L
<) " $ 2 (8;K<;(=;K * A +- B B >? E@C . A +-.-A2
\ B@++ B ? B C A A-A LL (0 !! (C(% =PO ,
-@+ A @E) @ % [LQ= B >&"!) -(
/ A@ B@C@ @B @A B@++@ AD@C) E CU ;LKK 9 .1) .
ON C->D@+@+C CU B ++@ :--A AJC D>A =;=PN b
!$ &) 552 0 L= E@ B@++@ BG? A B ? E) L=QL
O * .) " !!8!-??@C(=<= !B@ B D BG++@ B + A -A@
- B@C - C@ 4=KL]<&! 0((?$ 1$ $89@,? "
-++([NPN " C D@C +--U B@C EG +B@ B@@S AD DC@ @ES
D->A C-+B@ ? -A+ GA AD BG++@ B@C U +@ A JCG #A LPP)
) E&= $10 8;MNK(*2 B@C@ +B@A E@A. +B@ , DG EG
+B@ -CD - >A @ B@C -@C B>++@ ; ; +C
$!& >" &) " 8;PQQ(" "@ ,@J+ -A+ A
B@ + SPQe < 7) 1% $ 7 U ;<NL
; LQL "@C@ +B @ B D -C ?@ ,@2 A-C ? ,+2 A-C?@ ?
- .@+ > B @ C@ -A @ B-> D E@ B>+ ;M<
) 0 < & (O=N B@ C@ +2 A %@,, J C+2 +B
, I> D @ + C B>+ ; QO< # ? 3 +C &* &,! (
PO & (" @ B>+ A+- D? 2 AD !- + C @
+- / @ +B ;KMP B ($- e <; 1-> B>+ G-6C
@, @ +B A G->C J CU ,, AD . CD@A . +@ SK)$
)7 & C& - S XJ 7 @ , >.BC AD A.
A .B+ ,,2 B>+ 0 G +B@ C@ D@ .,- S!-! K=
& > & - D KQ + -A "-,X@ B E + +- B>+
B ? @, +B A B @ -++ .@ -C D G +) @+E@C
3 $ %(& % T # ? ? +@C ,+B - .
&JJ>& B JC 8SKMK(;QN + C J@C B@ ?
J, +@ B@ !->@C@GA @A @B +A A +@A ,- @D AJC G B@C
B AA@ A- E->AD@W =LLK=] 0 $ - PO= +B->.B
+B + C-+@ ,+B + ?@++@ AD A +B@ +C@ -CG@ BG+ B@++@ #+
?G EC GA $;P=O HG# C& - ' . % TL
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negative of *shutter exposure. **1892** *Photogr. Ann.* II. Advt. p. cclxxx, Plate-changing and *shutter-setting is effected by simply drawing out and pushing back the rod shown in block. **1889** *Anthony's Photogr. Bull.* II. 335 The *shutter speed was slower in comparison with the moving train. **1891** *Ibid.* IV. 323 For rapid *shutter work..the best plan is to use a medium quantity of alkali.

Shutter (ʃɒ·təɹ), *v.* [f. SHUTTER *sb.*]

1. *trans.* To close with a shutter. Also with *adv.*

1826 B. HALL in Lockhart *Scott* (1839) VIII. 360, I found the windows shuttered up. **1856** LEVER *Martins of Cro'M.* xxix. 309 The doors were closed, the windows shuttered. **1863** DICKENS *Uncomm. Trav.* xxi, Here is Garraway's, bolted and shuttered hard and fast. **1897** *Spectator* 26 June 909/1 An appeal to the people of Kilrush to shutter their shops. **1910** J. BUCHAN *Prester John* i. 15 Tam who had seized and shuttered his lantern, coming last.

b. *transf.* and *fig.*

1882 *Society* 16 Dec. 16/2 The basilisk glance..had to be shuttered down. *c* **1886** KIPLING *Other Verses* (1899) 102, I took a country twice the size of France, And shuttered up one doorway in the North. **1887** HARDY *Woodlanders* xviii, The windows of Fitzpiers's soul being at present shuttered. **1892** KIPLING *Barrack-room Ballads* 175, I barred my gates with iron, I shuttered my doors with flame.

2. *refl.* (with advb. complement). To close oneself *in*, shut oneself *off*, with shutters.

1878 STEVENSON *Inland Voy.* 60 A workman or a pedlar cannot shutter himself off from his less comfortable neighbours. **1880** *Athenæum* 14 Aug. 203 The farmers..would shutter themselves in and drink strong beer and gin for days and days on end.

Shuttered (ʃɒ·təɹd), *ppl. a.* [f. SHUTTER *v.* and *sb.* + -ED.] Closed with shutters; provided with shutters.

1845 TALFOURD *Vacation Rambles* I. 155 Green-shuttered white 'Pensions'. **1885** R. L. & F. STEVENSON *Dynamiter* ii. 9 Shop after shop displayed its shuttered front. **1901** P. M. JOHNSTON in *Archæol. Jrnl.* 68 It must have had its grated and shuttered opening.

Shu·ttering, *vbl. sb.* [f. SHUTTER *v.* and *sb.* + -ING ^{1}.] **a.** The action of the vb. SHUTTER. **b.** Material for making shutters.

1868 W. CORY *Lett. & Jrnls.* (1897) 253 This is a detestable practice, shuttering; I rebel against it. **1898** MACEY *Specif. Detail* 371 Movable sheet-iron shuttering.

Shutterless (ʃɒ·təɹlės), *a.* [f. SHUTTER *sb.* + -LESS.] Without a shutter.

1830 LYTTON *P. Clifford* i, A high, narrow, shutterless casement. **1885** R. BUCHANAN *Annan Water* i, The wind ..rattled the shutterless windows.

Shu·tterwise, *adv.* [f. SHUTTER *sb.* + -WISE.] After the manner of or like a shutter.

1880 MRS. R. O'REILLY *Sussex Stor.* I. 315 He swept the boots and all his paraphernalia off the board, and fastened it shutterwise.

Shutting (ʃɒ·tiŋ), *vbl. sb.* [f. SHUT *v.* + -ING ^{1}.]

1. In trans. senses of the verb; closing, fastening up, drawing together, etc.

? *a* **1366** CHAUCER *Rom. Rose* 1598 For ther is noon so litel thing So hid, ne closed with shitting, That it ne is sene. *c* **1440** *Promp. Parv.* 445/2 Schetynge, or lokkynge wythe lokkys, *seracio.* **1562** *Child-Marriages* 116 The shuttinge of windowes. **1670** G. H. *Hist. Cardinals* I. III. 75 The said shutting of their mouths. *a* **1754** SIR J. STRANGE *Rep.* (1782) I. 615 The day of the shutting of the books. **1779** H. WALPOLE *Let. to Mann* 7 July, The shutting of our ports against France.

b. Welding, splicing.

1490 in *Archæol. Cant.* (1886) XVI. 298 For schettyng of the..bell claper viij d. **1495** *Naval Acc. Hen. VII* (1896) 150 Shutyng & Amendyng of v boltes. **1555** *Ludlow Churchw. Acc.* (Camden) 62 For shutynge on of the old hynges..ij d. **1794** *Rigging & Seamanship* I. 78 *Shutting* is joining or welding one piece of iron to another.

2. Something which closes fast, a bar, shutter. Usually *pl.* Also, a junction, a place where two things come together.

c **1440** *Promp. Parv.* 445/2 Schetynge, or schettynge, or sperynge, *clausura.* **1450–80** tr. *Secreta Secret.* xxxv. 24 Than frote welle thyn heed, for it openyth the shettyngis of þi brayne. **1610** BARROUGH *Meth. Physick* I. xxiii. (1639) 39 You must..fasten cupping glasses to the shutting of the joynts. *a* **1679** SIR J. MOORE *Eng. Interest* (1703) 108 The Bar or Shutting [of the door of a bee-hive] is to be made four square, of some heavy Matter, as Lead.

3. In intransitive senses of the verb: The close of a day, evening, etc.; nightfall.

1598 GREENWEY *Tacitus, Ann.* I. v. (1622) 8 In the night, or in the shutting of the euening. **1699** *Relat. Sir T. Morgan's Progr.* 13 The Major-General desired his Excellency, that he would give orders to them..to keep themselves in readiness..for at the shutting of the Night he would fall on.

4. In comb. with various advs.

c **1440** *Promp. Parv.* 445/2 Schettynge in, *inclusio...* Schettynge owte, *exclusio.* **1577** tr. *Bullinger's Decades* I. ix. 86 In the shuttinge vppe and ende of all ages. **1583** MELBANCKE *Philotimus* Z iv b, The setting of the Sun, and shutting in of nighte, belong to Zephyr. **1642–4** VICARS *God in Mount* 191 A little before shutting in of day-light. **1722** DE FOE *Plague* (Rtldg.) 54, I mention'd..shutting of Houses up. **1798** in Nicolas *Disp. Nelson* (1846) VII. p. clvi, The thickness of the smoke at the shutting in of the evening. **1838** DICKENS *O. Twist* xxvii, The shop was not closed, although it was past the usual hour of shutting-up. **1875** SCRIVENER *Lect. Grk. Test.* 14 The deliberate shutting out of a large..portion of available evidence. **1891** *Daily News* 3 Mar. 2/4 The shutting down of the mines in America. **1899** *Allbutt's Syst. Med.* VII. 677 The sudden shutting off of the blood-supply to a limited area of the brain.

b. Specific uses: **shutting off** (see quot.); **shutting up** (*a*) see quot. 1852; (*b*) welding; (*c*) *shutting-up time*: the hour for closing the shop, etc.; **shutting together** = *shutting up* (*b*).

1884 F. J. BRITTEN *Watch & Clockm.* 240 *Shutting Off. A term used to describe the operation of throwing the winding wheels [of a fusee watch] out of action. **1852** G. W. JOHNSON *Cottage Gard. Dict.* 824 *Shutting-up is closing the lights of frames, pits, greenhouses, and stoves, which have been opened for the admission of air. **1883** CRANE *Smithy & Forge* 43 Joining two pieces of bar or rod together which the smith usually denominates 'shutting up' or '*shutting together'. **1889** 'R. BOLDREWOOD' *Robbery under Arms* xxx, It was latish..and near shutting-up time.

Shu·tting, *ppl. a.* [-ING ^{2}.] That shuts.

1634 in *Archæologia* XXXV. 197 Fower shutting windowes. **1803** STRANGFORD *Poems of Camoens* (1810) 52 When..night-drops bathe each shutting bell [of a flower]. **1850** T. T. LYNCH *Theoph. Trinal* v. 83 A shutting gate..we hear. **1900** ELWORTHY *Horns of Honour* ii. 143 The grinning opening and shutting jaws.

Shuttle (ʃɒ·t'l), *sb.* ^{1} Forms: 1 **sciutil, scytel,** 4–9 (now *dial.*) **shittle,** 5 **shotil, shetil, schytle, schetyl(le, s(c)hutylle,** 6 **shetyll, shuttyll, shyttel(l, shittell, shettle, shoottle,** 7 **shutle, shuttel,** 6– **shuttle.** [OE. *scytel*? masc.:—prehistoric **skutil* f. Teut. root **skut-*: see SHOOT *v.* Cf. ON. *skutill* harpoon; also Sw., Da. *skyttel* (of obscure history) and Da. *skytte*, Norw. *skyt*, *skjøt* = sense 2 below.]

†**1.** *OE.* A dart, missile, arrow. *Obs.*

c **875** *Erfurt Gloss.* 1177 *Jaculum*, sciutil. *c* **1000** *Ags. Ps.* (Thorpe) lxiii. 7 Syndon hyre wita scytelum cilda æȝhwæs onlicost.

2. An instrument used in weaving for passing the thread of the weft to and fro from one edge of the cloth to the other between the threads of the warp. *Fly shuttle* (see FLY *sb.* ^{2} 8).

The normal form of the shuttle resembles that of a boat, whence its name in various langs. (L. *navicula*, F. *navette*, G. *weberschiff*). Along the middle is an axis or 'spindle', on which revolves the 'quill' or 'bobbin', a cylinder carrying the thread of the weft.

1338 in Dugdale *Monasticon* (1819) II. 585/2 Item pro weblomes emptis xx^s...Item pro iiij shittles pro eodem opere ij^s vj^d. *c* **1400** *York Memorandum Bk.* (Surtees) I. 85 Cum instrumento dicti artificii vocato *shotil.* **14..** *Nom.* in Wr.-Wülcker 728/15 *Hec navecula*, schetylle. **1483** *Cath. Angl.* 338/2 A Schutylle (*v.r.* shvtylle), *nauicula, panus.* **1510** STANBRIDGE *Vocabula* (W. de W.) C j b, *Pecten*, the shuttyll. **1570** LEVINS *Manip.* 195/40 A shuttle, *radius.* **1577** HANMER *Anc. Eccl. Hist., Evagrius* IV. vii. (1585) 473 A weauers shittell. **1585** WITHER *ABC for Laymen* 131 The sliding to and fro of the shettle in weauing. **1613** PURCHAS *Pilgrimage* (1614) 736 The Fishers Boats are made like to a Weauers Shutle. **1676** HOBBES *Iliad* XXII. 444 She trembling stood, and let her Shittle fall. **1714** GAY *Sheph. Wk.* Prol. 71 Ye Weavers, all your Shuttles throw. **1831** G. R. PORTER *Silk Manuf.* 221 The shuttle is formed from a piece of boxwood. **1908** [MISS E. FOWLER] *Betw. Trent & Ancholme* 84 John's loom and shuttle could be heard.

b. *fig.* and in similative use.

1598 SHAKS. *Merry W.* v. i. 25, I feare not Goliah with a Weauers beame, because I know also, life is a Shuttle. **1742** YOUNG *Nt. Th.* iv. 809 How swift the shuttle flies, that weaves thy shroud. **1844** EMERSON *Lect., Young Amer.* Wks. (Bohn) II. 293 The locomotive and the steamboat like enormous shuttles shoot every day across the thousand various threads of national descent. **1896** KIPLING *Seven Seas* 4 Swift shuttles of an Empire's loom that weave us, main to main. **1896** A. AUSTIN *England's Darling* II. iv, When War's loud shuttle shall have woven peace.

3. *transf.* **a.** A thread-carrying device in the form of a weaver's shuttle, used for knotting, tatting and embroidery.

1767 MRS. DELANY *Lett.* 4 Jan., Ser. II. (1862) I. 91 Mrs. Jeffreys has bought me a very elegant shuttle for two guineas. ? **1770** MRS. RAVAUD *Let. to Mrs. Delany* 10 Nov. *ibid.* 309, I want to know if the inclosed knotting is what you would have it...Its merit..is entirely owing to the instrument with which it is fabricated, the nonpareille shuttle of singular service. **1882** CAULFEILD & SAWARD *Dict. Needlework* 476 [Recent improvements in Tatting.] The use of a second thread or Shuttle, which enables straight lines and scallops to be worked, as well as the original ovals.

b. A reciprocating thread-holder in a sewing-machine, which carries the lower thread through the loop of the upper one to make a lock-stitch.

1846 in *Abridgm. Specif. Patents, Sewing* (1871) 10 [The] application of a shuttle, in combination with a needle. **1860** *Ure's Dict. Arts* III. 647 A small shuttle, which has a horizontal motion beneath the cloth, is now caused to pass through this loop, carrying with it its own thread. **1875** KNIGHT *Dict. Mech.* 2116/2 The [Singer sewing-] machine makes a lock-stitch by means of a straight eye-pointed needle and a longitudinally reciprocating shuttle.

c. In a telephone (see quot.).

1879 PRESCOTT *Sp. Telephone* 388 One of its coils is connected..to a V-shaped piece of metal, termed the shuttle, which, in its normal position, rests with one end against an adjustable screw.

d. A curved type-bar (in some typewriters) guided into position by a race. **1911** in WEBSTER.

4. A shuttlecock. Also the game. *Obs.* exc. in *Badminton.*

c **1440** *Promp. Parv.* 447/1 Schytle, chyldys game, *sagitella.* *a* **1591** H. SMITH *Serm.* (1622) 252 Or like unto a Shittle, which flittereth from the hand of a child. **1895** *Official Laws Badminton* 11.

†**5.** = RADIUS 1 c. *Obs. rare*$^{-1}$.

Perh. only a mistranslation of L. *radius*, one sense of which is 'weaver's shuttle'.

1662 *Comenius' Janua Ling. Triling.* 48 One arm bone; two of the elbow, (the ell and shuttle).

6. †**a.** A trochoid shell (see quot. 1750). *Obs.* **b.** In full *weaver's shuttle*, a shuttle-shell, esp. *Radius volva*; also, the shell of this gastropod.

1750 POCOCKE *Trav.* (Camden) 46 *Trochi entrochi*...The trochi are many of them like shuttles..some are an oblong oval, which they call shuttles: the country people call them fairy stones. **1815** BURROW *Elem. Conchol.* 199 Bulla Volva. Weaver's Shuttle. B. Birostris. Bastard Weaver's Shuttle. B. Gibbosa. Short gibbous Shuttle; the Gondola. **1861** P. P. CARPENTER in *Rep. Smithsonian Instit.* 1860, 195 The Weaver's Shuttle (*Radius volva*). *Ibid.* 196 The creature folds its foot round the *Gorgonias* on which it lives, carrying its shuttle gracefully over its head.

7. A book name for certain species of moths.

1832 J. RENNIE *Butterfl. & Moths* 51 The Shuttle (*Agrotis radia*, Curtis)...Probably a variety of *A. Radiola*... The small Shuttle (*A. Radiola*, Stephens) appears in June.

8. A shuttle-train (see 9 b).

1895 in *Funk's Stand. Dict.*

9. *attrib.* and *Comb.* **a.** Obvious combs. (senses 2 and 3) as *shuttle-driver*, *-maker*, *-quill*; also *shuttle-shaped* adj., *shuttlewise* adv.; (sense 6) as *shuttle-tribe.*

1801 *Encycl. Brit.* Suppl. II. 796/1 From its lower end there go two small cords to the *shuttle drivers. **1412** in Riley *Mem. Lond.* (1868) 584 [William Blakeney] *shetil-maker. **1661** PETTY in Birch *Hist. Roy. Soc.* (1756) I. 59 To which purpose there is somewhat considerable in the winding the yarn upon these *shuttle-quills. **1802** BINGLEY *Anim. Biog.* (1813) II. 224 The eyes are lodged in a *shuttle-shaped band of black. **1869** E. NEWMAN *Brit. Moths* 317 The Shuttle-shaped Dart (*Agrotis puta*). **1861** P. P. CARPENTER in *Rep. Smithsonian Instit.* 1860, 196 None of the Cowry or *Shuttle tribe have any operculum. **1879** HOWELLS *Lady of Aroostook* iii. 38 The ferryboats thrust *shuttlewise back and forth between either shore made a refreshing sound.

b. Special comb.: **shuttle-bearer**, the lay or batten of a loom; **shuttle-bone**, †(*a*) each of the bones of the forearm; (*b*) the navicular bone in the foot of a horse; **shuttle-box**, † (*a*) the cavity in the side of a shuttle to hold the spindle (*obs.*); (*b*) 'a tray or case at the end of the shuttle-race to receive the shuttle' (Knight *Dict. Mech.* 1875); **shuttle-carrier**, the arm or other device which reciprocates the shuttle in a sewing-machine; **shuttle-crab**, a paddle-crab, *Callinectes hastatus* (*Cent. Dict.* 1891); **shuttle-kissing** (see quot.); †**shuttle-prick**, the spindle of a shuttle; **shuttle-race**, the ledge or track along which the shuttle passes; **shuttle-service**, a service of shuttle-trains; **shuttle-shell**, a gastropod of the genus *Radius*; †**shuttle-spire**, ? = *shuttle-prick*; **shuttle-train**, a train running a short distance to and fro, as on a short branch line; † **shuttle-trough** = *shuttle-box* (*a*).

1835 URE *Philos. Manuf.* 350 Exercising their arms and shoulders..by resting their hands on the lay or *shuttle-bearer. **1688** HOLME *Armoury* II. xvii. 417/2 The Cubitus ..doth consist of two Bones; the *Shuttle Bones. **1832** PERCIVALL *Anat. Horse* 60 The Navicular or Shuttle Bone (*Os Naviculare*). **1688** *Shuttle box [see *shuttle trough* below]. **1888** *Encycl. Brit.* XXIV. 464/1 (*Weaving*), A ledge..which forms the 'shuttle race' for carrying the shuttle in 'picking' from and to the shuttle boxes at each end of the lay. **1860** *Ure's Dict. Arts* III. 649 (*Sewing-machine*). At the commencement of the return of the shuttle, an inclined piece upon the *shuttle carrier bears against a lateral stud upon one end of a short rocking or oscillatory shaft. **1908** *Bath Daily Chron.* 22 Apr. 1/7 The practice known as '*shuttle-kissing'—sucking the weft through the eye of the Shuttle. **1688** *Shuttle prick [see *shuttle trough* below]. **1831** G. R. PORTER *Silk Manuf.* 216 A shelf, called the *shuttle-race, is formed by making the bottom bar broader than the side rails. **1868** MORRIS *Earthly Par.* I. II. 378 (*Cupid & Psyche*), As I drove The ivory shuttle through the shuttle-race. **1871** *Abridgm. Specif. Patents, Sewing* 14 Sewing by means of a vibrating needle and a shuttle travelling in a circular shuttle-race. **1905** *Westm. Gaz.* 3 July 6/3 This '*shuttle' service of electric trains. **1861** P. P. CARPENTER in *Rep. Smithsonian Instit.* 1860, 195 Family *Ovulidæ.* (Egg and *Shuttle Shells.) **1744** in *Phil. Trans.* (1746) XLIII. 194 There was extracted from him..an iron *Shuttle Spire, four Inches long. **1891** *Century Dict.*, *Shuttle-train. **1688** HOLME *Armoury* III. 289/1 The parts of a Shuttle are, the *Shuttle Trough, or Box, is the square hole on the top of it, in which the Pin or Shuttle Prick is set within two holes having Yarn..wound about it.

† **Shu·ttle,** *sb.* ^{2} *Obs.* Forms: *α.* 1 **scyt(t)el, scetel,** 4 **ssettel,** 5 **schettel, schyt(t)yl;** *β.* 1 **scyttels, scyttyls, scytels, scettels,** 2 **scutles.** [OE. *scyt(t)el*, *scyt(t)els*:—prehistoric **skutil*, *-isli*, f. **skut-* in *scyttan* to shut; the two OE. words have different suffixes, but their forms coalesced in ME.: see -EL, -ELS. Cf. WFris. *skoattel*, EFris. *schötel*, NFris. *sködel.*

The mod. dial. *shuttle* (*shittle*, *shettle*, *shottle*) horizontal bar of a gate (see *Eng. Dial. Dict.*), is perh. the same word.]

1. A bolt or bar, as of a door.

971 *Blickl. Hom.* 87 Ealle þa isenan scyttelas helle loca wurdan tobrocene. *a* **1000** *Kent. Gloss.* 658 in *Haupt's Zeitschr.* (1877) IX. 55 Scetel, *vectis.* *c* **1000** ÆLFRIC *Hom.* I. 70 Ða scytelses [*v.r.* scittelsas] to burston. *a* **1023** WULFSTAN *Hom.* (1883) 230 Openiað þas ȝeatu and þa fæstan scytelsas. *c* **11[illegible]5** *Lamb. Hom.* 127 Þet is þet [loc] þeðe deofel ne con u[illegible]lucan, þet is þet scutles þeðe deofel ne mei nefre to-cysan. **1340** *Ayenb.* 94 'My zoster, my lemman, þou art a gardin beset, myd tuo ssettles,' þet is þe grace of god, and of angles. *c* **1440** *Promp. Parv.* 365/1 Ondoynge, or op(y)nynge of schettellys, or sperellys. *Ibid.* 447/1 Schyttyl, or sperynge, *pessulum, vel pessellum.*

2. ? A shutter or a partition.

1614 T. Godwin *Rom. Antiq.* xviii. 15 By the drawing aside of some wainscot shuttles..a newe partition might seeme to be put vp.

Shuttle (ʃv·t'l), *sb.*³ Forms: 5 **schetel,** 6, 9 *dial.* **shittle,** 8– **shuttle.** [f. Shut *v.* + -le. It is uncertain whether the word represents OE. *scyttel*, *scyttels* (see prec.) in an unrecorded sense, or was a new formation in ME.]

1. A flood-gate which opens to allow the flow and regulate the supply of water in a mill-stream. Also a similar gate in a drain. Also 'one of the sections of a shutter-dam' (*Cent. Dict.* 1891).

c 1440 *Promp. Parv.* 445/2 Schetelys, or gote, *supra*, *aquagium.* 1583 *Inquisition of Sewers* 7 (N. W. Linc. Gloss.), The same sewer from the foresaid fields end to the shittle shall be diked, scowred and cleansed..by Mr. William Dalyson. 1738 *Phil. Trans.* XLI. 167 The Miller..went immediately, and let down the Shuttle. 1812 Nouaille in *J. Nicholson's Oper. Mech.* (1825) 111 The shuttle or gate slides upon the floor of the trough, so as to..determine the quantity of water to be let out upon the wheel. 1832 *Holderness Drainage Act* 13 Stocks, shuttles and other works of drainage. 1845 *Jrnl. R. Agric. Soc.* V. ii. 400 The sluices or cloughs used then being merely what now would be called shuttles. 1877 *N. W. Linc. Gloss.*, *Shittle*,..the shuttle of a drain. 'The shittle agean th' fish-pond is o' no use noo.' 1887 *Fishing Gaz.* 2 Apr. 207/2 The..field..opposite the 'shuttle' or flood gate.

2. A small gate or stop through which metal is allowed to pass from the trough to the mould.

1858 Simmonds *Dict. Trade.* 1875 Knight *Dict. Mech.*

Shuttle (ʃv·t'l), *sb.*⁴ *Sc.* and *Devonshire.* Also 7 **schottlle,** 7– **shottle.** [Of doubtful origin: perh. f. Shut *v.* + -le. Cf. prec.]

A small drawer, esp. one fixed in a chest, in which small articles were stored. Also 'a kind of box in the upper part of a chest, extending across; used for keeping money'; also 'a till in a shop, a money-box' (Jam.).

1626 Wedderburne *Compt Bk.* (S.H.S.) 142 Ane aikin frez pres with schottlles of aik thairin. 1699 Eliz. West *Mem.* (1865) 114, I thought they were like a cabinet full of shuttles and in every shuttle there was a jewel. 1719 Hamilton *Epist. to Ramsay* i. 32 Gin that my haff-pay siller shottle Can safely spare it. 1815 Scott *Guy M.* xxxviii, Those eyes..were now sharply and alertly darting their glances through shuttles, and trunks, and drawers, and cabinets, and all the odd corners of an old maiden lady's repositories. 1823 — in *Lockhart* (1839) VII. 105 Like the inside of an antique cabinet with drawers and shottles and funny little arches. 1832 Mrs. Bray *Tamar & Tavy* (1836) III. xxxiv. 80 And I thought of the old names by which the little drawers and boxes in such [old cabinets] were called,—the shuttles. 1866 R. Chambers *Ess.* Ser. i. 152 A set of docketed papers, tied up with red tape, and deposited in shottle fifteen. 1870 J. K. Hunter *Life Studies* 158, I had three white half-croons in the shuttle o' my kist.

Shu·ttle, *a.* Variant of Shittle *a.*, unsteady, shaky, etc., surviving *dial.* (see *Eng. Dial. Dict.*).

1542 Udall *Erasm. Apoph.* 307 b, Metellus was so shuttle-brained that even in the middes of his tribuneship he left his office in Roome. 1553 *Respublica* v. ii. 85 (Brandl), That shuttle brained, tall, long man. 1602 R. T. *5 Godlie Serm.* 200 To some shallow heads, shuttle braines, and simple wits, it seemeth to be [etc.]. 1617 Collins *Def. Bp. Ely* ii. x. 497 Howsoeuer our shuttle-pated Adioynder thinke of it. *a* 1649 *MS. Poems temp. Chas. I* (Halliw.), Nor can you deeme them shuttle-headed fellowes, Who for the Lord are so exceeding zealous. *c* 1660 *Rump Songs* I. 7 Is it not strange, that in that Shuttle-head Three Kingdoms ruines should be buried? *c* 1682 J. Collins *Making Salt in Eng.* 15 A mixture of harsh shuttle Sand. 1886 *W. Somerset Word-bk.*, *Shuttle*, quick, lithe, active...Also applied to any dry or easily slipping matter, as grain, seeds, sand, &c. 1888 Stevenson *Black Arrow* i. ii, See there how shuttle-witted are these girls.

Hence †**Shu·ttly** *adv.*, unsteadily.

1661 Petty in Birch *Hist. Roy. Soc.* (1756) I. 59 To which purpose the quill is too short for the axis whereon it rowls, and moves as shuttley upon it as may be.

Shuttle (ʃv·t'l), *v. Obs.* exc. *dial.* In 6 **shutle.** [Partly or perh. wholly f. Shuttle *sb.*; but possibly in part a frequentative f. Shoot *v.*: see -le.]

1. *trans.* To move (a thing) briskly to and fro like a shuttle. Also, to throw swiftly.

1550 Coverdale *Spir. Perle* xxxi. 260 He yᵗ hath an heauy burthen vpon hys back, yᵉ more he shutleth and moueth yᵉ same, yᵉ more doeth it greue hym. 1823 Galt *Entail* lxiv, He would hae grippit me by the cuff o' the neck and the back o' the breeks and shuttled me through the window. 1840 Carlyle *Let.* 17 Mar. in Froude *Life Lond.* (1884) I. 177 A face of most extreme mobility, which he shuttles about..in a very singular manner while speaking. 1857 Meredith *Farina* (1865) 52 Now general commotion shuttled them.

2. *intr.* To go or move backwards and forwards like a shuttle; to travel quickly to and fro.

1823 Galt *Gilhaize* lxxxiv, In the clear linn the trouts shuttled from stone and crevice. 1837 Carlyle *Fr. Rev.* II. vi. i, Their corps go marching and shuttling, in the interior of the country. 1884 *Harper's Mag.* July 270/1 It is as though a section of roadway shuttled to and fro between the shores. 1910 *Spectator* 23 Apr. 666/2 Faster ships shuttle to and fro weaving the political web more and more rapidly.

3. *Sc.* To ply the shuttle, weave. (See *Eng. Dial. Dict.*)

Hence **Shu·ttling** *ppl. a.*

1860 *All Year Round* No. 41. 344 The flutes began in a whirling, shuttling movement.

Shuttlecock (ʃv·t'lkǫk), *sb.* [f. Shuttle *sb.*¹ (q. v. for forms) + Cock *sb.*¹ Cf. Shuttle-cork.]

1. A small piece of cork, or similar light material, fitted with a crown or circle of feathers, used in the game of 'battledore and shuttlecock' (see 2) and also in the game of Badminton.

1522 Skelton *Why not to Court* 351, I trow all wyll be nought, Nat worth a shyttel cocke. 1591 Spenser *M. Hubberd* 804 A thousand wayes he them could entertaine,..With dice, with cards,..With shuttelcocks. 1599 Nashe *Lenten Stuffe* 74 This playing with a shettlecocke, or tossing empty bladders in the ayre. 1604 Middleton *Ant & Nightingale* C 3 b, His head was drest vp in white Feathers like a Shuttle-Cock. 1626 Breton *Fantasticks* Oct. C 4 b, The shuttel-Cocke with the Battel-doore is a pretty house-exercise. 1688 Bunyan *Water of Life* 116 (end), They toss their Vanities about as the Boys toss their Shittle-Cocks in the Air. 1777 Sheridan *Trip to Scarb.* Prol., Made up, like shuttlecocks, of cork and feather. 1801 C. K. Sharpe *Let.* 12 Jan. *Corr.* 1888 I. 103 With long stiff feathers stuck round their heads like those of a shittle-cock. 1838 Lytton *Alice* vi. i, Vast interests and solemn causes are no longer tossed about like shuttlecocks on the battledores of empty tongues. 1897 *Encycl. Sport* I. 70/2 (Badminton) *Shuttlecock*, the missile employed, which consists of a cork crowned with feathers, from 3 to 5 inches in length.

b. *fig.*

1602 Dekker *Satiromastix* F 2 b, What made these paire of Shittle-cockes heere? what doe they fumble for? 1700 T. Brown tr. *Fresny's Amusem.*, *Westm. Hall* Wks. 1709 III. i. 49 Certain..Sollicitors and Barristers, make it their whole business to keep the Shuttle-cock [Chancery suits] in motion. 1760–72 H. Brooke *Fool of Qual.* (1809) III. 130 The shittlecock of conversation may fall to the ground. 1858 Dk. Argyll *Autobiog.* (1906) II. 124 This Reform question ought not to be made the shuttlecock of party. 1884 *Pall Mall Gaz.* 5 Dec. 5/1 The best American securities are periodically the shuttlecock of unscrupulous speculators.

2. The game (more fully *battledore and shuttlecock*, now played only by children) in which the shuttlecock is hit with the battledore backwards and forwards between two players, or by one player into the air as many times as possible without dropping it.

1599 B. Jonson *Cynthia's Rev.* ii. iv, Shee can..play at shittle-cock. 1628 Burton *Anat. Mel.* ii. ii. iv. (ed. 3) 255 The ordinary recreations which we haue in Winter..are Cardes..shuttlecocke, balliardes [etc.]. 1711 Swift *Jrnl. to Stella* 20 Sept., And get somebody to play shuttlecock with you, Madam Stella. 1842 Lover *Handy Andy* xiv, Pray Mr. F...are you fond of shuttlecock?

fig. 1858 Sears *Athan.* iii. 20 They were only playing at shuttlecock with words.

3. A Mexican malvaceous shrub, *Periptera punica.*

1829 Loudon *Encycl. Plants* 588 *Periptera punica.* Shuttlecock. 1840 Paxton *Bot. Dict.* 1866 *Treas. Bot.* s. v.

4. *attrib.* and *Comb.*, as *shuttlecock-maker.*

1628 Ford *Love's Mel.* i. ii, A shittlecock maker.

b. quasi-*adj.* Light, tossed hither and thither.

1660 R. Burney Κέρδιστον Δῶρον Ep. Ded. ii. 11 He [Cromwell] brought the Shuttlecock opprobrie upon the grave Counsell of the Land, and called them together only to kick them out. 1754 Stukeley *Mem.* (Surtees) III. 191 Now our shittlecock heads think of nothing but France. 1826 Miss Mitford *Village* II. 83 Or any other shuttlecock pate, giddy with happiness and vanity. 1903 J. C. Smith in *R. Wallace: Life & Last Leaves* 137 Shuttlecock retort was a familiar game with him.

Shu·ttlecock, *v.* [f. Shuttlecock *sb.*]

1. *trans.* To throw, send backwards and forwards or to toss like a shuttlecock. Also *fig.*

1687 R. L'Estrange *Brief Hist. Times* i. 14 Transubstantiation, and Idolatry, the Bug-bear of the Times, has not been more Shittle-Cock'd, then this Argument. 1853 *Tait's Mag.* XX. 365 He is shuttle-cocked between London and Edinburgh. 1859 Thackeray *Virgin.* lxxvii, 'Yes, if the phrase is to be shuttlecocked between us,' I answered hotly. 1904 *Blackw. Mag.* Mar. 402 [Certain Companies] shuttlecocked their assets and liabilities from one to the other for balance-sheet purposes.

2. *intr.* To move or go backwards and forwards.

1790 H. Walpole *Let. to Miss Berrys* 8 Nov., A letter may have shuttle-cocked about.

†**Shu·ttle-cork.** *Obs.* [f. Shuttle *sb.*¹ + Cork *sb.*] = Shuttlecock *sb.* In quot. *attrib.*

a 1627 Middleton *Chaste Maid* iii. (1630) 38 Their short figging little shittle-corke-heeles.

Shu·ttleless, *a. rare.* [f. Shuttle *sb.*¹ + -less.] Adapted to work without a shuttle.

1888 *Daily News* 10 Sept. 7/3 A shuttleless lockstitch sewing machine. 1890 *B'ham Weekly Post* 1 Feb. 1/5 The shuttleless loom.

†**Shu·ttle-pin.** *Obs.* [? Shuttle *sb.*²] Some kind of fastening for harness.

1587 Mascall *Cattle, Horses* (1596) 119 Harnesses..and all things belonging thereunto, as..belly wanties with tack, or shoottle pin, tide to euery hawm with a string.

Shuttler (ʃv·tləɹ). *rare.* [f. Shuttle *v.* (sense 3) + -er ¹.] A weaver.

1870 J. K. Hunter *Life Studies* 155 He was the prettiest shuttler I ever saw. 1897 *Ardrossan & Saltcoats Her.* 17 Sept. 5 The shuttlers in the employment of Stewart, Moir & Muir..ceased work.

Shuttler, obs. form of Sutler.

Shuttling (ʃv·tliŋ), *vbl. sb.* [f. Shuttle *v.* + -ing ¹.] The action of using a shuttle (also *fig.*); the action of fixing the cop in the shuttle; *concr.* that which serves the purpose of a shuttle.

1874 H. H. Cole *Catal. Ind. Art S. Kens. Mus.* 217 He then prepares the shuttling, which is more like a long knitting needle than an ordinary English shuttle, winding on it a length of the thread. 1879 *Cassell's Techn. Educ.* IV. 399/1 To render the shuttling of the cop a matter of as little nicety as possible. 1889 *Century Mag.* Jan. 422/1 Those [olive groves] in the distance look more hoary and soft, as though a veil of light cunningly woven by the shuttling of the rays hung over them.

‖**Shutur sowar** (ʃu·təɹ svwā·ɹ). *Anglo-Indian.* Also **shuta-, shootar-.** [Urdū a. Pers. شترسوار *shutur suwār* (f. *shutur* camel + *suwār*: see Sowar).] A camel rider.

1834 Col. Mountain *Mem.* (1857) 135 A couple of riding camels and an attendant Shootar Suwar. 1840 W. G. Osborne *Crt. & Camp Runjeet Sing* 179 Sent a Shuta surwar..off with an express to Simla. 1849 Eastwick *Dry Leaves* 78 A body of eighty camel riders, or Shutur Sawárs, to use the Persian term, arrived.

Shuyster, variant of Shyster.

Shwanpan, variant of Swanpan.

Shwere, obs. form of Swear.

Shy (ʃəi), *sb.*¹ Pl. **shies.** [f. Shy *v.*¹] A sudden start aside made by a horse when it sees an object that frightens it.

1791 'G. Gambado' *Ann. Horsem.* ix. (1809) 106 [The horse] made a sort of a shy towards the cliff. 1857 Reade *Course of True Love* 166 In the middle of a great shy which her mare made. 1908 *Edin. Rev.* Oct. 472 We pass it by with a courteous bow which has in it something of a horse's shy at the uncanny.

fig. 1900 Mary E. Wilkins *Parson Lord* 35 He has stepped along in his path of duty without a kick or a shy.

Shy (ʃəi), *sb.*² *colloq.* Also *rare* **shie.** Pl. **shies.** [f. Shy *v.*²]

1. A quick, jerking (or careless) throw, as of a stone, etc.

1791 Brand *Pop. Antiq.* (1813) I. 67 The person who throws ..has three *shys*, or throws, for two pence. 1835 Dickens *Sk. Boz, Greenwich Fair*, Jack-in-the-box—three shies a penny. 1849 W. S. Mayo *Kaloolah* ii. (1850) 25 Swinging his cap round his head, he gave it a shie over the lee quarter. 1854 W. Collins *Hide & Seek* I. vii. 194, I never remember wanting to throw a rotten egg at any of my fellow-creatures before —but I feel certain that I should enjoy having a shy at Mr. Jubber! 1859 Jephson *Brittany* xv. 245 When he was a boy, he..used to think it good fun to have a 'shy' at these windows.

b. *Eton Football.* A point scored in the 'Wall' game (see quot. 1881).

1868 *Field* 28 Nov. 446/3 This match..ended in favour of the School by five shies to nothing. 1881 *Pascoe's Everyday Life Public Schools* 54 Once behind this [calx] line, the player's object is to get it [the ball] up..with his foot against the wall and touch, when he gets a 'shy'; that is, the privilege of throwing the ball at the goals, while the other side..defend them. Of course, if he succeeds in reaching the goals, he gets a goal...More generally the game is decided by the number of 'shies' got.

2. *fig.* **a.** An attempt to damage by sarcasm or verbal attack; a 'fling' *at* a person or thing.

1840 De Quincey *Mod. Superst.* Wks. 1862 III. 313 If Rousseau thought fit to try such tremendous appeals by taking 'a shy' at any random object, he should have governed his sortilege..with something more like equity. 1854 Thackeray *Newcomes* xvi, 'You are always having a shy at Lady Ann and her relations', says Mr. Newcome... 'A shy! How can you use such vulgar words, Mr. Newcome?' 1859 De Quincey *Pref. Memor.* Wks. 1862 X. p. xvii, The Doctor..resolved to 'take a shy', before parting, at the most consecrated of Milton's creations. 1873 B. Harte *Washington in N. Jersey* in *Fiddletown*, etc. 94 I'd like to get a shy at G. W. some time.

b. A trial, an experiment; a 'shot', a 'go'.

1848 Thackeray *Let.* in *Introd. to Pendennis* Wks. 1898 II. p. xxxiv, Sometimes I have a shy myself, and I don't lose or win twenty francs. 1857 Dickens *Dorrit* ii. vi, He would be all the better for a temporary shy at an entirely new scene and climate. 1881 C. Gibbon *Heart's Probl.* vi. (1884) 86 Have a shy at putting the case plainly to me. 1887 Henley *Culture in Slums* iii. 7 I've had at Pater many a shy.

3. One who throws, a thrower or shyer.

1884 *Lillywhite's Cricket Ann.* 103 A good field and shy.

Shy (ʃəi), *a.* Forms: 1 **sceóh** (? *inflected* **scíon**), 3 **scheouh, scheowe,** 5 **schey,** 6 **shey,** 7–8 **shie, shye,** 7– **shy.** [OE. *scéoh* (very rare; also in comb. *scéohmód* of timid mind), corresp. to MHG. *schiech*:—OTeut. type **skeuhwo-*; an ablaut variant (OTeut. type **skuᵊwu-*, *-wjo-*) appears in MDu. *schuwe*, *schu* (mod.Du. *schuw*), Norw. dial. *skygg*, MSw., Da. *sky*; the synonymous mod.G. *scheu* is a new formation after the related *scheu* fem. (MHG. *schiuhe*) fear, abhorrence, *scheuen* to be shy of, fear (MHG. *schiuhen* to be shy of, avoid, also causatively to drive away, OHG. *sciuhen* to frighten); f. Teut. root **skeuhw-* to fear, to terrify, whence prob. G. *schüchtern* shy; for other derivatives of the root see Shewel. The affinities that have been suggested for the root are very doubtful.

The phonetic development of mod.E. *shy* (ʃəi) from OE. *scéoh* is parallel with that of *thigh* from *þéoh*. Divergent forms in dialects are Shuff (:—OE. *sceóh* with rising diphthong) and Skeigh (with unexplained initial). It is noteworthy that the pronunciation (ʃoi) is current in many dialects in which (oi) does not ordinarily correspond to the (əi) of standard Eng.]

†**1.** Easily frightened or startled. *Obs.*

c 1000 *Riming Poem* 43 (Gr.) Nu min hreþer is hreoh heowsiþum [*read* heofsiþum] sceoh nydbysȝum neah. *a* 1225 *Ancr. R.* 242 Lokeð þet ȝe ne beon nout iliche þe horse þet is scheouh, & blencheð uor one scheadewe...To scheowe heo beoð mid alle þet fleoð uor ane peinture. *c* 1440 *Promp. Parv.* 444/2 Schey, or skey, as hors, or styȝtyl. 1648 Hexham ii. s. v. *Schouw*, *Een Schouw paerdt*, A Shye Horse, a Fearefull Horse.

b. *dial.* Of a horse: Skittish, unmanageable; high-mettled. Hence (?) of persons (see quot. 1840).

Cf. the OE. gloss 'scion, *peculantis*' (read *petulantis* as in Aldhelm *De Laud. Virg.* 4705, to which the gloss refers) in *Wr.-Wülcker* 517/16.

1787 W. H. Marshall *Norfolk* (1795) II. 388 *Shy*, hare-brained; high-mettled; head-strong; as wild colts, &c. 1840 Spurdens *Suppl. to Forby*, *Shy*, wild in conduct...A *shy* boy, or a *shy* girl is wanton, unsteady, amorous. 1860 *Hotten's Slang Dict.* s. v., *Shy* has also the sense of flighty, unsteady, untrustworthy.

2. Easily frightened away; difficult of approach owing to timidity, caution, or distrust; timidly or cautiously averse to encountering or having to do with some specified person or thing; suspicious, distrustful. Const. *of*. **a.** of persons.

1600 Hakluyt *Voy.* III. 391 Certaine souldiers..caried away captiue certaine of the people of the countrey, which caused the rest of them to be so shey and fearefull. 1606 Warner *Alb. Eng.* xvi. cv. 412 This noble lustie Gentleman ..Grew thenceforth shie of Women, and a Timon vnto men. 1622 S. Ward *Life Faith Death* 48 Yet is it but our folly to be so shye of this sight, for though [etc.]. *a* 1639 Wotton *Parallel Essex & Buckhm.* Reliq. (1651) 11 Princes..are (by wisdome of State) somwhat shye of their Successors. 1660 Ingelo *Bentiv. & Ur.* ii. (1682) 24 We should not be so shie of Death, for it is the only passage to Immortal Life. 1683 Cave *Ecclesiastici*, *Athanasius* 53 Men generally became more shy of his acquaintance. 1687 Norris *Poems* 36 But when we come to seize th'inviting prey, Like a Shy Ghost, it vanishes away. 1702 De Foe *Shortest Way Dissenters* 27 The primitive Christians were not more shie of a Heathen-Temple, or of Meat offer'd to Idols,..than [etc.]. 1718 Ockley *Saracens* (1848) 446 Abdallah was still shy of him, and did not employ him in any considerable post. 1824 Byron *Juan* xvi. xxxvi, The spectre has grown shyer. 1834 Dickens *Sk. Boz*, *Boarding Ho.* ii, Since the catastrophe recorded in the last chapter, Mrs. Tibbs had been very shy of young-lady boarders. 1885 [W. H. White] *M. Rutherford's Deliv.* iv. (ed. 9) 52 The women in the countryside were shy of her. 1903 C. E. Osborne *Father Dolling* ii. (1905) 21 He thought he could do more good as a layman, especially with young men, as so many of the latter are 'shy' of the clergy.

b. of an animal, bird, etc.

1674 Ray *S. & E. C. Words* 76 *Shie* or *shy*, apt to startle and flee from you, or that keeps off and will not come near. 1697 Dampier *Voy.* (1699) I. 70 They [flamingoes] are very shy, therefore it is hard to shoot them. 1748 *Anson's Voy.* ii. iv. 157 This place..abounds with goats, who, not being accustomed to be disturbed, were no ways shy or apprehensive of danger. *Ibid.* iii. ii. 309 The cattle..were not shy of us. 1772 T. Simpson *Vermin Killer* 20 Some have a notion that crows are shy of powder. 1816 Tuckey *Narr. Exped. R. Zaire* i. (1818) 31 Some covies of guinea fowl were seen, but too shy to be shot at. 1863 W. C. Baldwin *Afr. Hunting* iv. 99 They [sea-cows] were very shy, and showed poor heads. 1867 F. Francis *Angling* i. (1880) 58 If the fish remain shy, leave the swim for a couple of hours. 1908 [Miss E. Fowler] *Betw. Trent & Ancholme* 34 The robin is more shy.

c. *To be* or *look shy on* or *at*: to regard with distrust or suspicion.

1837 Carlyle *Fr. Rev.* I. iii. viii, The very Courtiers looked shy at it. 1848 Thackeray *Van. Fair* xiii, Hulker & Bullock are looking shy at him. 1872 Geo. Eliot *Middlem.* vi, How will you like going to Sessions with everybody looking shy on you?

3. Fearful of committing oneself to a particular course of action; chary, unwilling, reluctant. Const. *of*, *in*, *about*, *at*, and *to* with infinitive.

a 1628 Preston *Breastpl. Faith* (1630) 29 Be not thou shye in taking of him; for you have free liberty. 1633 G. Herbert *Temple*, *Brit. Ch.* vii, She..is so shie of dressing, that her hair doth lie About her eares. 1638 Sanderson *Serm.* (1681) II. 98 They that are guiltiest of folly, are the shiest to own it. *c* 1645 Howell *Lett.* (1655) I. iii. xxviii. 148 His Majesty..desir'd them..now that they had detected the Treason, to discover also the Traytors; but they were shy in that point. 1663 Butler *Hud.* i. i. 46 Although he had much Wit, H' was very shie of using it. 1683 Moxon *Mech. Exerc.*, *Printing* 81, I..have as good an Opinion of these Rules, as those have that are shyest of discovering theirs. 1711 G. Hickes *Two Treat. Chr. Priesth.* (1847) II. 395 Why then are you so shy in owning their rectoral power? 1712 Arbuthnot *John Bull* i. viii, A stinking ulcer, which made everybody shy to come near her. 1742 Blair *Grave* 514 That stood aloof, as shy to meet. 1815 Scott *Guy M.* xxx, The local magistrates, from timidity or worse motives, have become shy of acting against them. 1817 Jas. Mill *Brit. India* v. v. II. 506 Distrust of the English power, now violently shaken, made his father shy. 1848 Thackeray *Van. Fair* xviii, Be shy of loving frankly. 1859 Dickens *T. Two Cities* i. ii, In those days, travellers were very shy of being confidential on a short notice. 1890 W. Booth *Darkest Engl.* ii. v. 190 Families are naturally shy at receiving these poor unfortunates. 1913 Jane E. Harrison *Anc. Art & Ritual* iv. 91 Some of us now-a-days are getting a little shy of deliberately cursing our neighbours on Ash Wednesday.

b. Averse from admitting (a principle), or from considering (a subject). Const. *of*.

1641 'Smectymnuus' *Vind. Answ.* vi. 84 That which the Remonstrant would perswade his reader we are shie of. *a* 1645 Laud *Hist. Troubles* iii. (1695) 106, I see too, that too many Men are shye of Good Works. 1662 Stillingfl. *Orig. Sacræ* ii. vi. § 16 The present Jews..are grown very shy of the argument drawn from thence. 1662 H. More *Philos. Writ.* (1712) Pref. Gen. p. xx, At which Timidity of mine, none can justly wonder that considers how shie the ancient Fathers were of the Globosity of the Earth. 1676 Glanvill *Ess.* i. 26 Nor are we shy of their Informations, because they were hid from Ages. 1678 Cudworth *Intell. Syst.* Pref., So far from being shy of such an Hypothesis, as that they were even Fond thereof.

c. Phrases. † *To make shy of*: to be shy of, to be afraid of (doing). *To fight shy*: see Fight *v.* 9.

1638 Featly *Strict. Lyndom.* i. 152 They made shie of reading Scripture, for feare of being made Heretiques thereby.

†**d.** *Shy of oneself*: unwilling to expose oneself.

1722 De Foe *Plague* (1756) 103, I was..now to thrust myself in among so many People, who for some Weeks, had been so shye of myself, that if I met any Body in the Street, I would cross the Way from them.

†**4.** Cautiously reserved; wary in speech or action. *Obs.*

1603 Shaks. *Meas. for M.* iii. ii. 138 A shie fellow was the Duke. *Ibid.* v. i. 54 As shie, as graue..As Angelo. *a* 1691 Wood *Life* (O.H.S.) I. 152 He..found him very shie; but ..he was very free afterwards in his communications.

5. Shrinking from self-assertion; sensitively timid; retiring or reserved from diffidence; bashful.

1672 Villiers (Dk. Buckhm.) *Rehearsal* iii. ii (Arb.) 75 Shie Maid. 1782 Miss Burney *Cecilia* iv. vi, But shy, quite too shy; no drawing her out. 1845 Disraeli *Sybil* v. vii, A little shy at first, but he only wants bringing out. 1859 *Habits Gd. Society* 29 People too shy or too stupid to talk. 1884 F. M. Crawford *Rom. Singer* I. 87 Nino is not a shy boy.

transf. 1823 Wordsw. *Sonn.*, *'Not Love, not War'* 14 The flower of sweetest smell is shy and lowly.

b. of a person's actions, etc.

1713 Addison *Guard.* No. 100 ¶ 8 The Venus de Medicis ..is represented in such a shy retiring posture, and covers her bosom with one of her hands. 1722 Steele *Consc. Lovers* iii. i, All your Skittishness, shy Looks, and at best but coy Compliances. 1852 Thackeray *Esmond* i. i, Performing a shy obeisance to the mistress of his house.

c. *fig.*

1641 Milton *Animadv.* Wks. 1851 III. 191 Such an Anatomie of the shiest and tenderest particular truths. 1874 Green *Short Hist.* vii. § 7. 412 The shy revival of English letters during the earlier half of Elizabeth's reign. 1878 Browning *La Saisiaz* 27 Had but fortune favored, bidden each shy faculty advance. 1878 B. Taylor *Deukalion* ii. v. 88 The earth, in her shy embraces, Conceals the traces Of the secret birth of the Stream.

d. *transf.* Of a place, etc.: Retiring, secluded.

1822–56 De Quincey *Conf.* Wks. 1862 I. 226 *note*, Shy recesses of the lake. 1841 Dickens *Barn. Rudge* iv, It was a modest dwelling—but a shy blinking house. 1853 M. Arnold *Scholar Gypsy* viii, A heap of flowers Pluck'd in shy fields and distant Wychwood bowers. 1885 Lowell *Coleridge* Writ. 1890 VI. 72 He was the first to observe some of the sky's appearances and some of the shyer revelations of outward nature. 1899 C. G. Harper *Exeter Road* 124 These places are all shy and retiring, tucked away up bye-lanes.

6. In various transferred uses of sense 2. **a.** Of plants, trees, etc.: Unprolific, not bearing well. Also rarely of *birds*: Not breeding freely.

1823 J. Badcock *Dom. Amusem.* 47 The golden pippin has gradually become a shy grower in this country. 1836 Mrs. Traill *Backwoods Canada* xiv. 246 The plant..seems to be a shy blossomer. 1852 *Beck's Florist* 193 It is rather a shy bearer, though it blooms very profusely. 1869 Lowell *Study Wind.*, *Gard. Acquaint.* (1871) 7 A small foreign grape-vine, rather shy of bearing. 1905 P. C. Mitchell *Offic. Guide Gard. Zool. Soc.* (ed. 3) 7 An excellent table-bird but a shy breeder. 1905 Rider Haggard *Gard. Yr.* July 239 They are shy flowerers.

b. *U.S.* Short (*of*), lacking. *Betting slang* (see quot. 1895).

1895 *Funk's Stand. Dict.* s. v., Having a less amount of money at stake than is called for by the rules of the game; short; as, to be shy a dollar in the pool. 1896 S. Crane *Little Regiment* etc. 187 None..knew how an orderly sergeant ranked, but then it was understood to be somewhere just shy of a major-general's stars. 1897 *Columbus* (Ohio) *Dispatch* 21 Sept. 5/4 The police department is much too shy of funds already. *a* 1904 A. Adams *Log of Cowboy* ix. 132, I ordered Joe to tie his [the ox's] mate behind the trail wagon and pull out one ox shy.

7. *colloq.* or *slang* in uses derived from sense 5. **a.** Of questionable character, disreputable, 'shady'.

1849 Thackeray *Pendennis* xxv, Rather a shy place for a sucking county member. 1860 Dickens *Uncomm. Trav.* x, Nothing in shy neighbourhoods perplexes my mind more. 1864 H. J. Byron *Paid in Full* v, Hadn't shy turf-transactions been more than hinted at? 1865 Dickens *Mut. Fr.* i. xii, The two men, very shy characters. 1869 J. Roberts *Billiards* 254 Shell out is a 'shy' game for a public room. 1908 *Blackw. Mag.* Feb. 252/2 Gambling hells and shy saloons.

b. Doubtful in amount or quality.

1850 Thackeray *Contrib. Punch* Wks. 1900 VI. 165 That uncommonly shy supper of dry bread and milk-and-water. 1862 — *Philip* xix, The dinner, I own, is shy, unless I come and dine with my friends. 1865 M. Lemon *Loved at Last* ix, Any place will do, as her geography is rather shy, and I can make her believe anything.

8. *dial.* Of the wind: **a.** Chill, keen, piercing. **b.** 'Not exactly fair for the ship's course' (*Whitby Gloss.*, 1876). See *Eng. Dial. Dict.*

[The origin of sense a is not clear; it may be a distinct word. Sense b seems a natural development from 2.]

1828 [Carr] *Craven Gloss.*, *Shy*, keen, piercing. 'A shy wind'. 1891 *Century Dict.* *Shy* a., Scant. The wind is said to be shy when it will barely allow a vessel to sail on her course.

9. *Comb.* as *shy-breeding*, *-looking*, *-retiring*, etc.

1842 Loudon *Suburban Hort.* 447 The *shy-breeding black sorts. 1879 Alexina M. Ruthquist in *Mem.* (1893) 95 His *shy-looking wife. 1742 Blair *Grave* 328 From stubborn shrubs Thou wrung'st their *shy-retiring virtues out, And vex'd them in the fire.

Shy (ʃəi), *v.*¹ Also 7 shie, shye. [f. Shy *a.*]

OE. had app. a vb. *scýhan*, *scýan* to take fright (= sense 3 below) f. the adj. = OHG. *schiuhen*. Cf. the following quot.:

c 1000 Ælfric *Lives Saints* xxxi. 971 Þa scyddon [*MS. K.* scyhdon] þa mulas þe þæt cræt tuȝon, ðurh his to-cyme afyrhte.]

1. *intr.* To take a sudden fright or aversion; to make a difficulty, 'boggle' about doing something; to recoil, shrink. Const. *at*, *from*; rarely *to* with infinitive. Now usually felt as *transf.* from 2.

1650 B. *Discolliminium* 40 Why [do] they shye so strangely at this new Ingagement? 1778 S. Crisp 8 Dec. in *Mme. D'Arblay's Diary* (1891) I. 93, I mean such freedoms as ladies of the strictest character..perhaps would shy at being known to be the authors of. 1783 Mme. D'Arblay *Diary* 19 June, He was too well-bred to force himself upon me, and finding I shied, he left me alone. *a* 1814 *Word of Honor* iii. i. in *New Brit. Theatre* I. 364 A man who loves another's wife, Will never shy to take a wife himself To screen his base intrigue. 1838 Lytton *Alice* v. ii, The more publicity is given to this arrangement, the more difficult for Evelyn to shy at the leap. 1889 May Crommelin & Brown *V. Vyvian* II. xv. 248 She is shying from the thought. 1911 Barrie *Peter & Wendy* v. 81 The only thing he shied at was the sight of his own blood. 1912 Elinor Glyn *Halcyone* xxvii. 245 He was not buried in that outer circle of oblivion from which the thoughts unconsciously shy.

2. Of a horse: To shrink or start back or aside through sudden fear. Const. *at*, rarely *from*.

1796 J. Lawrence *Treat. Horse* I. 166 Thorough-bred hacks are..the least liable to shy of all others. 1823 Scott *Quentin D.* ix, The horse shyed from the boar. 1861 Gen. P. Thompson *Audi Alt.* III. 217 There is no use in being ill-humoured because a young horse shies. 1879 Beerbohm *Patagonia* 20 [The horse] stumbled on, occasionally shying wildly at the glimmering whiteness of some heap of bleached guanaco bones. 1897 *Encycl. Sport* I. 342/1 (Driving) *Shy*, to spring suddenly either sideways or backwards from fear, or from excess of spirits.

3. *To shy off* (rarely *to shy out of* something, *to shy away*); To slip away in order to avoid a person or thing; *fig.* to find a means of evasion.

1792 *Elvina* I. 38 We are obliged to shy off. 1843 Miall in *Nonconformist* III. 209 Men who desire to get rid of the question..shy off, with wonderful dexterity from all allusions to it. 1856 Masson *Ess.* iv. 101 The style of poetry..as all modern readers confess by the alacrity with which they shy out of the way of reprinted specimens of it [etc.]. 1867 Augusta Wilson *Vashti* xiii, His blue eyes rather shied away from mine. 1894 A. Robertson *Nuggets* 111 Elsie was shying off from Alec.

4. *trans.* To shun or avoid (a person, thing, or immaterial thing).

1802 Bentham *Mem. & Corr.* Wks. 1843 X. 399, I am inclined to suspect he shies the subject. 1806 Surr *Winter in Lond.* II. 75 He has shied me lately. 1830 Fonblanque *Eng. under 7 Administr.* (1837) II. 50 His Grace [Wellington] had shyed the City Feast, being frightened by a Donkey. 1834 Marryat *P. Simple* xxxv, Troubridge..was not a man to shy his work. 1872 A. Gray *Lett.* II. 623, I shy or refuse such applications generally.

b. *Pugilism.*

1812 *Sporting Mag.* XXXIX. 22 It struck us that the Black shyed his adversary. 1819 *Ibid.* N. S. IV. 236 He had too much of the Teddy Tay spirit about him to wince or shy it.

5. To render timid or shy; to frighten *off*.

1845 Youatt *Dog* iii. 84 A rate given at an improper time ..disgusts the honest hound, it shies and prevents from hunting the timid one. 1853 Kane *Grinnell Exp.* xxii. (1856) 173 A little projection of the main field to windward shied them off.

Hence **Shy·ing** *vbl. sb.* and *ppl. a.*

1796 J. Lawrence *Treat. Horse* I. 81 This was not the effect of starting or shying, to which she [the mare] was at no rate addicted. 1869 J. H. Newman in W. Ward *Life* (1912) II. 257, I hope my shying, as I do, will not keep you from speaking out. *a* 1900 Dk. Argyll *Autobiog.* (1906) II. 82 They seemed to go suddenly mad, like shying horses or stampeded mules.

Shy (ʃəi), *v.*² Chiefly *colloq.* Also 8 shie. [Of obscure origin.

The earliest use suggests that it may have arisen in some way from the expression Shy cock.]

1. *intr.* To throw a missile, esp. carelessly or by a jerk. Const. *at*.

1787 Bentham *Def. Usury* xiii. 164 He looks upon it as a sort of cock for him..to shie at. 1790 Grose *Prov. Gloss.* (ed. 2), *Shie*, or *Shy*. To shy at a cock, to throw at a cock with a stick. Kent. 1820 J. H. Reynolds *Fancy* (1906) 34 I've shy'd with stick, to win a bit The backy-box of brown japan. 1840 De Quincey *Mod. Superst.* Wks. 1862 III. 313 To shy at a cow within six feet distance. 1851 Thackeray *Stray Papers* (1901) 269 Raikes..justly prided himself upon shying at the sticks better than any man in the army. 1889 Bodley in *19th Cent.* Nov. 801 The Anglo-Saxon race alone is capable of propelling a missile in the method known as 'shying'.

2. *trans.* To fling, throw, jerk, toss; also with *at*, etc.

1828 Egan *Boxiana* IV. 159 The Birmingham Youth.. also shied his castor with a confident air. 1831 Trelawny *Adv. Younger Son* vii, He then shyed his gold-laced cocked hat. 1835 Marryat *Jacob Faithful* xxxiii, I wish he hadn't shied the cat at her. 1853 'C. Bede' *Verdant Green* i. viii, When you came to shy empty bottles..he couldn't stand that sort of game. 1857 Reade *Never Too Late* xv, H[illegible]..shied the pieces of glass carefully over the wall. 1874 [illegible]alch *Head over Heels* 74 We could shy up our caps for [illegible] feller. 1880 Mrs. Parr *Adam & Eve* 233 Her own glass a[illegible]d its contents were shyed to the other end of the room. 18[illegible] G. Allen *Maimie's Sake* xviii, I shied the s[illegible]uff away.

b. *transf.* and [illegible]

182[illegible] S[illegible]ott *Jrnl.* 26 Mar., I cannot keep up with the worl[illegible] without shying a letter now and then. 1860 Sir H. Acla[illegible]d in J. B. Atlay *Mem.* (1903) 290 Washington..has a few [illegible]al[illegible]ces shied down upon a rubbishy heath. 1868

Helps *Realmah* (1876) 245 He would merely shy barbarous words, half-Latin, half-Greek at us. **1882** H. C. Merivale *Faucit of B.* II. II. ii. 161 Then you bolted from Oxford, and shied up your fellowship.

Shyche, obs. form of Such.

†**Shy cock, shy·-cock.** *slang. Obs.* [f. Shy *a.* + Cock *sb.*¹] (? A cock that refuses to fight; also, a cock that is 'shy' or not easily caught. ? Hence:) A wary or cowardly person; also, 'One who keeps within doors for fear of bailiffs' (Grose *Dict. Vulgar T.* 1785).

1768 Goldsm. *Goodn. Man.* III, There is not a prettier scout..after a shy-cock than he. **1771** Smollett *Humph. Cl.* 6 May ii, She laid all her snares for Dr. Lewis..but the doctor being a shy cock would not be caught with chaff. **1796** F. Reynolds *Fortune's Fool* v. 59 The members rose, lock'd the door, and call'd me a shycock!—forced the pistol into my hand. **1804** *Naval Chron.* XII. 396 He is a *shy-cock.*

Shyer¹ (ʃəi·əɹ). [f. Shy *v.*¹ + -er¹.] A horse which shies.

1829 J. Lawrence *Horse* vi. 35 With affected shyers some severity may be necessary. These chaps generally fix upon some particular shying but: for example, [etc.]. **1886** *York Herald* 9 Aug. 9/3 The horse..was found to be a bad 'shier', and accordingly it was returned.

Shyer² (ʃəi·əɹ). [f. Shy *v.*² + -er¹.] One who throws.

1895 in *Funk's Stand. Dict.* **1905** *F. Sugg's Cricket Annual* 46 A good shier can save many runs.

Shyish (ʃəi·iʃ), *a.* [f. Shy *a.* + -ish.] Somewhat shy.

1754 Shebbeare *Matrimony* (1766) II. 80 Which Salutation he received with but a shyish Kind of Reception. **1825** Lamb *Let. to Wordsw.* May, Do write to Sir G. B., for I am shyish of applying to him. **1858** J. Blackwood in Mrs. G. Porter *Ann. Publishing Ho.* (1898) III. 31 [Tennyson] is a striking-looking man, with a shyish, almost awkward, but manly and not unbecoming manner.

Shylle, obs. form of Shell.

Shylock (ʃəi·lɒk). The name of the Jewish money-lender in Shakspere's *Merchant of Venice*; *allusively*, an extortionate usurer; also *attrib.* Hence **Shylo·ckian, Shy·locky** *adjs.*, after the manner of or characteristic of Shylock.

a **1818** M. G. Lewis *Jrnl. W. Ind.* (1834) 50 It had such a kind of Shylocky taste of raw flesh about it. **1884** *Truth* 4 Sept. 374/1 The terms paid for accommodation were so onerous that the bargain had been a Shylockian one. **1894** Gunter *King's Stockbroker* ii. 24 'Won't I beggar my boarders!' With this Shylock idea in his mind,..Lanty cries excitedly to a waiter. **1898** *Westm. Gaz.* 2 July 1/3 The essence of the real Shylock's business is that he extorts money from his victims on threats of various kinds. **1901** Skrine *Life Sir W. Hunter* xiv. 261 The peasantry must be delivered from thraldom to village Shylocks.

Shyly (ʃəi·li), *adv.* Also **shily.** [f. Shy *a.* + -ly².] In a shy manner; with shyness.

1701 C. Wolley *Jrnl. New York* (1860) 55 Two other Ministers..who behav'd themselves one towards another so shily and uncharitably as if Luther and Calvin had bequeathed..their virulent and bigotted Spirits upon them. **1797** T. Holcroft tr. *Stolberg's Trav.* III. lxxix. (ed. 2) 209 The buffalo cow shyly looks about her. **1848** Mill *Pol. Econ.* I. vii. § 5 Nations whose commodities are looked shily upon by merchants. **1867** F. Francis *Angling* i. (1880) 58 A very killing plan when the fish are biting shyly. **1884** *Harper's Mag.* July 209/1 Tadoussac..hides shyly behind its hills.

Shylyng, obs. form of Schelling.

Shymar, variant of Chimer¹ *Obs.*

1674 Blount *Glossogr.* (ed. 4). **1716** M. Davies *Athen. Brit.* III. *Diss. Author Lat. Drama* 35.

Shynd, variant of Schynd.

1809 A. Edmondston *View Zetl. Isl.* I. iii. 130 Documents ..established by what is called a *Shynd* or *Soind Bill.* **1866** T. Edmonston *Shetl. Gloss* 101 *Shynd*, a court of law.

Shynde, obs. form of Shend *v.*¹

Shyness (ʃəi·nės). Also **shiness.** [f. Shy *a.* + -ness.] The condition or quality of being shy.

1651 Davenant *Gondibert* III. ii. 78 But when he mark'd that he did from them move With sodain shyness, he sup-pos'd it shame. **1662** H. More *Philos. Writ.* (1712) Pref. p. iii, Men have a shyness and jealousy against such Truths as they have not been acquainted with. **1673** Sir W. Temple *Ess. Adv. Trade Irel.* Misc. I. (1680) 132 This both checks the growth of the common breeds, and gives them an incurable shyness, which is the general vice of Irish Horses. **1710** Steele *Tatler* No. 201 ¶ 1 The Woman..is treated with Shiness and Indifference. **1748** *Anson's Voy.* I. vi. 68 Vicunnas.., by reason of their shyness and swiftness, are killed with difficulty. **1818** Oxley *Jrnls. Two Exped. N. S. Wales* (1820) 328 By making them small presents of hooks, lines, &c., this shiness has soon worn off. **1825-9** Mrs. Sherwood *Lady of Manor* IV. xxvii. 285 A word, a look, the neglect of a salutation..have often produced a shyness among the dearest friends. **1853** Kane *Grinnell Exp.* xxvi. (1856) 214 The shyness of the seal is proverbial. **1909** *Spectator* 30 Oct. 677/1 There are certain shynesses which we regard as becoming.

Shynful, variant of Shendful *a. Obs.*

Shype ax, variant of Chip-ax.

c **1500** *Deb. Carpenters Tools* in Hazl. *E. P. P.* (1864) I. 79 The shype ax seyd unto the wryght [etc.].

Shyrpe, variant of Sherpe *Obs.*

Shyrrywyke, obs. form of Sheriffwick.

Shyryf(e, etc. obs. forms of Sheriff.

Shyst, obs. form of Schist.

1793 [Earl Dundonald] *Descr. Culross* 6 A stratum of Feruginous Sulphurious Slate or Shyst.

Shyster (ʃəi·stəɹ). *U.S. slang.* Also **shuyster.** [Of obscure origin.

It might be f. Shy *a.* (sense 7, disreputable) + *-ster*; but this sense of the adj. is app. not current in the U. S.]

'A lawyer who practises in an unprofessional or tricky manner; especially, one who haunts the prisons and lower courts to prey on petty criminals; hence, any one who conducts his business in a tricky manner' (*Funk's Stand. Dict.* 1895). Also *attrib.* or *adj.*

1856 *Knickerb. Mag.* Apr. XLVII. 434 (Thornton *Amer. Gloss.*) If these two 'shuysters' on the other side could get one more drink down your throat, you couldn't travel at all. **1857** *N. Y. Tribune* 13 Mar. (Bartlett 1860) The shysters, or Tombs lawyers, were on hand, and sought to intercede for their clients. *a* **1860** *N. Y. Tribune* (ibid.), When a man or woman is thrown into prison, a shyster leech gets access to him, and extorts from him his last cent under the pretence of obtaining his liberation. **1877** Black *Green Past.* xli, They..looked on a prominent civic official as a mere shyster. **1902** Boothby *Uncle Joe's Legacy* 98 The shyster lawyer.

Hence **Shy·stering** *vbl. sb.* and *ppl. a.*

1860 *Knickerb. Mag.* Nov. LVI. 458 (Thornton *Amer. Gloss.*) A kind of twopenny shystering smartness and snap-judgment smartness. **1872** Bristed in R. G. White *Amer. View Copyright* (1880) 40 At Tuesday's session an unprepossessing person..made a 'shystering' pettifogging speech. **1895** *Weekly Exam.* (San Francisco) 19 Sept. 2/6 Those sharp practices generally passing under the name of shystering.

END OF VOLUME VIII.

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